

17 July 2020

Mr. David Meyers
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

**Subject: Site-Wide Soil Assessment
Florida State Fire College
11655 NW Gainesville Road
Ocala, Marion County, Florida
Eric_6494
FDEP Task Assignment SOL-0A074, Subtask 5**

Dear Mr. Meyers,

Geosyntec Consultants, Inc. (Geosyntec) has prepared this letter report to summarize the results of the site-wide soil assessment activities at the Florida State Fire College located in Ocala, Florida. The objective of this investigation was to assess the extents of soil that was previously documented to be affected with per- and polyfluoroalkyl substances (PFAS).

In accordance with Subtask 5 of Task Assignment SOL-0A074, Geosyntec prepared a table summarizing the soil sampling locations and results (**Attachment A**). Geosyntec also prepared figures summarizing the results and depicting the approximate extents of PFAS-affected soil (**Attachment B**). The laboratory analytical reports are included in **Attachment C**.

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If you have any questions or comments or require additional information, please contact Eric Sager at 727-330-9952.

Sincerely,

A handwritten signature in blue ink, appearing to read 'ES', is positioned above the printed name.

Eric Sager, P.G.
Principal Geologist

Copy: Mike Lodato, Geosyntec
Olivia Cain, Geosyntec
Todd Kafka, Geosyntec

Attachments

TABLES

TABLE 1: SAMPLING LOCATIONS, MATRICES, ANALYTES, RATIONALE, AND CRITERIA
Florida State Fire College

Location ID	Sample ID	Matrix	Depth (ft BLS)	Drilling Method	Analyses	Rationale	Criteria
SB-201	SB-201 (0-0.5')	Soil	0-0.5	HA	PFAS	Delineation Sampling	Provisional Soil Cleanup Target Levels
	SB-201 (0.5-2')		0.5-2				
	SB-201 (2-4')		2-4				
SB-202	SB-202 (0-0.5')	Soil	0-0.5				
	SB-202 (0.5-2')		0.5-2				
	SB-203 (2-4')		2-4				
SB-203	SB-203 (0-0.5')	Soil	0-0.5				
	SB-203 (0.5-2')		0.5-2				
	SB-203 (2-4')		2-4				
SB-204	SB-204 (0-0.5')	Soil	0-0.5				
	SB-204 (0.5-2')		0.5-2				
	SB-204 (2-4')		2-4				
SB-205	SB-205 (0-0.5')	Soil	0-0.5				
	SB-205 (0.5-2')		0.5-2				
	SB-205 (2-4')		2-4				
SB-206	SB-206 (0-0.5')	Soil	0-0.5				
	SB-206 (0.5-2')		0.5-2				
	SB-206 (2-4')		2-4				
SB-207	SB-207 (0-0.5')	Soil	0-0.5				
	SB-207 (0.5-2')		0.5-2				
	SB-207 (2-4')		2-4				
SB-208	SB-208 (0-0.5')	Soil	0-0.5				
	Refusal		Refusal				
SB-209	SB-209 (0-0.5')	Soil	0-0.5				
	SB-209 (0.5-2')		0.5-2				
	SB-2091 (2-4')		2-4				
SB-210	SB-210 (0-0.5')	Soil	0-0.5				
	SB-210 (0.5-2')		0.5-2				
	SB-210 (2-4')		2-4				
SB-211	SB-211 (0-0.5')	Soil	0-0.5				
	SB-211 (0.5-2')		0.5-2				
	SB-211 (2-4')		2-4				
SB-212	SB-212 (0-0.5')	Soil	0-0.5				
	SB-212 (0.5-2')		0.5-2				
	SB-212 (2-4')		2-4				
SB-213	SB-213 (0-0.5')	Soil	0-0.5				
	SB-213 (0.5-2')		0.5-2				
	SB-213 (2-3')		2-3				
SB-214	SB-214 (0-0.5')	Soil	0-0.5				
	SB-214 (0.5-2')		0.5-2				
	SB-214 (2-4')		2-4				
SB-215	SB-215 (0-0.5')	Soil	0-0.5				
	SB-215 (0.5-2')		0.5-2				
	SB-215 (2-4')		2-4				
SB-216	SB-216 (0-0.5')	Soil	0-0.5				
	SB-216 (0.5-2')		0.5-2				
	SB-216 (2-4')		2-4				
SB-217	SB-217 (0-0.5')	Soil	0-0.5				
	SB-217 (0.5-2')		0.5-2				
	SB-217 (2-4')		2-4				
SB-218	SB-218 (0-0.5')	Soil	0-0.5				
	SB-218 (0.5-2')		0.5-2				
	SB-218 (2-4')		2-4				
SB-219	SB-219 (0-0.5')	Soil	0-0.5				
	SB-219 (0.5-2')		0.5-2				
	SB-219 (2-3')		2-3				
SB-220	SB-220 (0-0.5')	Soil	0-0.5				
	SB-220 (0.5-2')		0.5-2				
	SB-220 (2-4')		2-4				
SB-221	SB-221 (0-0.5')	Soil	0-0.5				
	SB-221 (0.5-2')		0.5-2				
	Refusal		Refusal				
SB-222	SB-222 (0-0.5')	Soil	0-0.5				
	SB-222 (0.5-2')		0.5-2				
	SB-222 (2-4')		2-4				
SB-223	SB-223 (0-0.5')	Soil	0-0.5				
	SB-223 (0.5-2')		0.5-2				
	SB-223 (2-4')		2-4				
SB-224	SB-224 (0-0.5')	Soil	0-0.5				
	SB-224 (0.5-2')		0.5-2				
	SB-224 (2-4')		2-4				
SB-225	SB-225 (0-0.5')	Soil	0-0.5				
	SB-225 (0.5-2')		0.5-2				
	SB-225 (2-4')		2-4				

TABLE 1: SAMPLING LOCATIONS, MATRICES, ANALYTES, RATIONALE, AND CRITERIA
 Florida State Fire College

Location ID	Sample ID	Matrix	Depth (ft BLS)	Drilling Method	Analyses	Rationale	Criteria
SB-226	SB-226 (0-0.5')	Soil	0-0.5	HA	PFAS	Delineation Sampling	Provisional Soil Cleanup Target Levels
	SB-226 (0.5-2')		0.5-2				
	SB-226 (2-4')		2-4				
SB-227	SB-227 (0-0.5')	Soil	0-0.5				
	SB-227 (0.5-2')		0.5-2				
	SB-227 (2-4')		2-4				
SB-228	SB-228 (0-0.5')	Soil	0-0.5				
	SB-228 (0.5-2')		0.5-2				
	SB-228 (2-4')		2-4				
SB-229	SB-229 (0-0.5')	Soil	0-0.5				
	SB-229 (0.5-2')		0.5-2				
	SB-229 (2-4')		2-4				
SB-230	SB-230 (0-0.5')	Soil	0-0.5				
	SB-230 (0.5-2')		0.5-2				
	SB-230 (2-4')		2-4				
SB-231	SB-231 (0-0.5')	Soil	0-0.5				
	SB-231 (0.5-2')		0.5-2				
	SB-231 (2-4')		2-4				
SB-232	SB-232 (0-0.5')	Soil	0-0.5				
	SB-232 (0.5-2')		0.5-2				
	SB-232 (2-4')		2-4				
SB-233	SB-233 (0-0.5')	Soil	0-0.5				
	SB-233 (0.5-2')		0.5-2				
	SB-233 (2-4')		2-4				
SB-234	SB-234 (0-0.5')	Soil	0-0.5				
	SB-234 (0.5-2')		0.5-2				
	SB-234 (2-4')		2-4				
SB-235	SB-235 (0-0.5')	Soil	0-0.5				
	SB-235 (0.5-2')		0.5-2				
	SB-235 (2-4')		2-4				
SB-236	SB-236 (0-0.5')	Soil	0-0.5				
	SB-236 (0.5-2')		0.5-2				
	SB-236 (2-4')		2-4				
SB-237	SB-237 (0-0.5')	Soil	0-0.5				
	SB-237 (0.5-2')		0.5-2				
	SB-237 (2-4')		2-4				
SB-238	SB-238 (0-0.5')	Soil	0-0.5				
	SB-238 (0.5-2')		0.5-2				
	SB-238 (2-4')		2-4				
SB-239	SB-239 (0-0.5')	Soil	0-0.5				
	SB-239 (0.5-2')		0.5-2				
	SB-239 (2-4')		2-4				
SB-240	SB-240 (0-0.5')	Soil	0-0.5				
	SB-240 (0.5-2')		0.5-2				
	SB-240 (2-4')		2-4				
SB-241	SB-241 (0-0.5')	Soil	0-0.5				
	SB-241 (0.5-2')		0.5-2				
	SB-241 (2-4')		2-4				
SB-242	SB-242 (0-0.5')	Soil	0-0.5				
	SB-242 (0.5-2')		0.5-2				
	SB-242 (2-4')		2-4				
SB-243	SB-243 (0-0.5')	Soil	0-0.5				
	SB-243 (0.5-2')		0.5-2				
	SB-243 (2-4')		2-4				
SB-244	SB-244 (0-0.5')	Soil	0-0.5				
	SB-244 (0.5-2')		0.5-2				
	Refusal		Refusal				
SB-245	SB-245 (0-0.5')	Soil	0-0.5				
	SB-245 (0.5-2')		0.5-2				
	SB-245 (2-4')		2-4				
SB-246	SB-246 (0-0.5')	Soil	0-0.5				
	SB-246 (0.5-2')		0.5-2				
	SB-246 (2-4')		2-4				
SB-247	SB-247 (0-0.5')	Soil	0-0.5				
	SB-247 (0.5-2')		0.5-2				
	SB-247 (2-4')		2-4				
SB-248	SB-248 (0-0.5')	Soil	0-0.5				
	SB-248 (0.5-2')		0.5-2				
	SB-248 (2-4')		2-4				
SB-249	SB-249 (0-0.5')	Soil	0-0.5				
	SB-249 (0.5-2')		0.5-2				
	SB-249 (2-4')		2-4				
SB-250	SB-250 (0-0.5')	Soil	0-0.5				
	SB-250 (0.5-2')		0.5-2				
	SB-250 (2-4')		2-4				
SB-251	SB-251 (0-0.5')	Soil	0-0.5				
	SB-251 (0.5-2')		0.5-2				
	SB-251 (2-4')		2-4				

TABLE 1: SAMPLING LOCATIONS, MATRICES, ANALYTES, RATIONALE, AND CRITERIA
Florida State Fire College

Location ID	Sample ID	Matrix	Depth (ft BLS)	Drilling Method	Analyses	Rationale	Criteria
SB-252	SB-252 (0-0.5')	Soil	0-0.5	HA	PFAS	Delineation Sampling	Provisional Soil Cleanup Target Levels
	SB-252 (0.5-2')		0.5-2				
	SB-252 (2-4')		2-4				
SB-253	SB-253 (0-0.5')	Soil	0-0.5				
	SB-253 (0.5-2')		0.5-2				
	SB-253 (2-4')		2-4				
SB-254	SB-254 (0-0.5')	Soil	0-0.5				
	SB-254 (0.5-2')		0.5-2				
	SB-254 (2-4')		2-4				
SB-255	SB-255 (0-0.5')	Soil	0-0.5				
	SB-255 (0.5-2')		0.5-2				
	SB-255 (2-4')		2-4				
SB-256	SB-256 (0-0.5')	Soil	0-0.5				
	SB-256 (0.5-2')		0.5-2				
	SB-256 (2-4')		2-4				
SB-257	SB-257 (0-0.5')	Soil	0-0.5				
	SB-257 (0.5-2')		0.5-2				
	SB-257 (2-4')		2-4				
SB-258	SB-258 (0-0.5')	Soil	0-0.5				
	SB-258 (0.5-2')		0.5-2				
	SB-258 (2-4')		2-4				
SB-259	SB-259 (0-0.5')	Soil	0-0.5				
	SB-259 (0.5-2')		0.5-2				
	SB-259 (2-4')		2-4				
SB-260	SB-260 (0-0.5')	Soil	0-0.5				
	SB-260 (0.5-2')		0.5-2				
	SB-260 (2-4')		2-4				
SB-261	SB-261 (0-0.5')	Soil	0-0.5				
	SB-261 (0.5-2')		0.5-2				
	SB-261 (2-4')		2-4				
SB-262	SB-262 (0-0.5')	Soil	0-0.5				
	SB-262 (0.5-2')		0.5-2				
	SB-262 (2-4')		2-4				
SB-263	SB-263 (0-0.5')	Soil	0-0.5				
	SB-263 (0.5-2')		0.5-2				
	SB-263 (2-4')		2-4				
SB-264	SB-264 (0-0.5')	Soil	0-0.5				
	SB-264 (0.5-2')		0.5-2				
	SB-264 (2-4')		2-4				
SB-265	SB-265 (0-0.5')	Soil	0-0.5				
	SB-265 (0.5-2')		0.5-2				
	SB-265 (2-4')		2-4				
SB-266	SB-266 (0-0.5')	Soil	0-0.5				
	SB-266 (0.5-2')		0.5-2				
	SB-266 (2-4')		2-4				
SB-267	SB-267 (0-0.5')	Soil	0-0.5				
	SB-267 (0.5-2')		0.5-2				
	SB-267 (2-4')		2-4				
SB-268	SB-268 (0-0.5')	Soil	0-0.5				
	SB-268 (0.5-2')		0.5-2				
	SB-268 (2-4')		2-4				
Laboratory Quality Assurance/Quality Control Samples							
Location	Sample Type	Matrix	Equipment sampled	Analyses	Rationale	Criteria	
Equipment Blanks (ratio of 1:20)	EQB-33	Water	HA	PFAS	Assess potential sources of contamination from HA sampling equipment	N/A	
	EQB-34						
	EQB-35						
	EQB-36						
	EQB-37						
	EQB-38						
	EQB-39						
	EQB-40						
EQB-41							
Field Reagent Blanks (1 per cooler)	FRB-16	Soil	N/A		Evaluate potential impact of sample cross-contamination		
	FRB-17						
	FRB-18						
	FRB-19						
	FRB-20						
FRB-21							

Notes:

1. ft BLS indicates feet below land surface.
2. SB indicates soil boring.
3. HA indicates hand auger.
4. PFAS indicates per- and polyfluoroalkyl substances.
5. N/A indicates not applicable.
6. EQB indicates equipment blank.
7. FRB indicates field reagent blank.
8. IDW indicates investigation derived waste.
9. VOCs indicate volatile organic compounds.
10. SVOCs indicate semi-volatile organic compounds.
11. RCRA indicates Resource Conservation and Recovery Act.

TABLE 2: SOIL ANALYTICAL RESULTS FOR PFAS COMPOUNDS

Florida State Fire College

Area of concern	Sample Location	Sample ID	Sample Date	Sample Interval (ft BLS)	PFOS	PFOA	4:2 FTS	6:2 FTS	8:2 FTS	NEiFOSAA	NMeFOSAA	PFBS	PFBA	PFDS	PFDA	PFDoA	PFHpS	PFHpA	PFHxS	PFHxA	PFNS	PFNA	FOSA	PFPeS	PFPeA	PFTeA	PFTriA	PFUnA	
Provisional Residential SCTL (µg/kg)					1,300	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)					25,000	25,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)					7	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
New Burn Building Block, Training Tower Block, and Former Drum and Tote (AOC 1) Areas	SS-1	SS-1 (0-1)	11/13/2018	0-1	17000 L	140	NA	NA	NA	NA	NA	3.0	4.4	220	14	3.1	160	6.4	86	31	NA	8.9	130	NA	5.2	0.62 U	0.58 U	2.7	
		SS-1 (1-2)	11/13/2018	1-2	14000 L	86	NA	NA	NA	NA	NA	NA	26	53	62	7.3	0.80 U	210	6.8	210	42	NA	6.9	42	NA	17	0.64 U	0.61 U	0.59 I
	SS-2	SS-2 (0-1)	11/13/2018	0-1	43000 L	72	NA	NA	NA	NA	NA	13	12	95	2.1 I	7.6 U	610	4.3	160	52	NA	2.8	72	NA	15 I	6.1 U	5.8 U	0.50 I	
		SS-2 (1-2)	11/13/2018	1-2	33000 L	200	NA	NA	NA	NA	NA	20	15	170	2.7	0.83 U	660	4.5	360	53	NA	2.1 I	47	NA	18	0.67 U	0.63 U	0.45 U	
	SS-3	SS-3 (0-1)	11/13/2018	0-1	22	0.84	NA	NA	NA	NA	NA	0.37	0.39	0.68	1.0	0.27	0.13 I	0.57	3.7	0.71	NA	1.5	0.83	NA	0.54	0.06 I	0.14 I	1.1	
		SS-3 (1-2)	11/13/2018	1-2	57	1.1	NA	NA	NA	NA	NA	0.08 I	0.12 I	0.04 U	0.06 I	0.07 U	0.39	0.24	2.1	0.25	NA	2.3	0.08 U	NA	0.21	0.06 U	0.05 U	0.04 U	
	SS-4	SS-4 (0-1)	11/13/2018	0-1	11	0.53	NA	NA	NA	NA	NA	0.10 I	0.16 I	0.44	0.65	0.15 I	0.08 I	0.33	1.7	0.45	NA	0.70	0.64	NA	0.33	0.06 U	0.11 I	0.54	
		SS-4 (1-2)	11/13/2018	1-2	65	0.27	NA	NA	NA	NA	NA	0.03 I	0.04 I	0.04 U	0.10 I	0.07 U	0.12 I	0.11 I	1.1	0.14 I	NA	0.79	0.10 I	NA	0.09 I	0.06 U	0.06 U	0.06 I	
	SS-5	SS-5 (0-1)	11/13/2018	0-1	25	20	NA	NA	NA	NA	NA	1.6	2.2	1.1	5.5	0.68	0.34	13	11	10	NA	12	19	NA	4.4	0.09 I	0.62	5.0	
		SS-5 (1-2)	11/13/2018	1-2	9.5	19	NA	NA	NA	NA	NA	0.42	1.6	0.10 I	3.6	0.07 I	0.12 I	6.0	3.9	19	NA	5.3	7.0	NA	2.0	0.06 U	0.05 I	1.2	
	SS-6	SS-6 (0-1)	11/13/2018	0-1	70	2.0	NA	NA	NA	NA	NA	1.6	1.2	1.3	1.3	0.37	0.38	0.63	12	1.3	NA	1.6	26	NA	1.3	0.06 U	0.06 U	2.9	
		SS-6 (1-2)	11/13/2018	1-2	150	2.3	NA	NA	NA	NA	NA	0.25	0.33	0.10 I	0.79	0.07 U	0.47	0.58	4.9	0.51	NA	4.7	25	NA	0.53	0.06 U	0.05 U	0.04 U	
	SS-7	SS-7 (0-1)	11/13/2018	0-1	40	5.3	NA	NA	NA	NA	NA	0.17 I	2.0	7.3	8.9	11	0.23	3.1	5.0	7.7	NA	0.90	12	NA	3.9	4.6	0.05 U	4.6	
		SS-7 (1-2)	11/13/2018	1-2	50	2.4	NA	NA	NA	NA	NA	0.06 I	0.91	1.5	5.4	2.4	0.21	2.2	3.3	4.8	NA	0.52	9.4	NA	1.1	0.99	0.05 U	0.04 U	
	SS-8	SS-8 (0-1)	11/13/2018	0-1	3.9	0.62	NA	NA	NA	NA	NA	0.10 I	0.15 I	0.56	0.99	0.64	0.05 U	0.43	0.61	0.40	NA	0.55	0.95	NA	0.29	0.17 I	0.07 U	0.86	
		SS-8 (1-2)	11/13/2018	1-2	4.0	0.33	NA	NA	NA	NA	NA	0.03 U	0.03 U	0.42	0.55	0.08 U	0.04 U	0.09 I	0.21 I	0.11 I	NA	0.37	1.5	NA	0.09 U	0.06 U	0.06 U	0.48	
	SS-9	SS-9 (0-1)	11/13/2018	0-1	21	1.7	NA	NA	NA	NA	NA	0.05 I	0.56	0.04 U	1.1	0.16 I	0.08 I	1.2	0.70	0.92	NA	3.3	0.09 U	NA	1.2	0.06 U	0.08 I	0.58	
	SS-10	SS-10 (0-1)	11/13/2018	0-1	16	7.7	NA	NA	NA	NA	NA	0.04 I	1.5	0.61	0.77	0.20 I	0.06 I	5.6	2.5	4.2	NA	2.9	1.2	NA	5.0	0.06 U	0.05 U	0.37	
	SS-11	SS-11 (0-1)	11/13/2018	0-1	41	4.2	NA	NA	NA	NA	NA	0.15 I	1.5	0.45	4.6	0.61	0.41	3.4	8.3	3.1	NA	5.5	0.57	NA	4.1	0.17 I	0.18 I	1.5	
	SS-12	SS-12 (0-1)	11/13/2018	0-1	18	1.3	NA	NA	NA	NA	NA	0.44	0.52	0.67	0.69	0.87	0.42	1.2	8.1	1.4	NA	0.56	7.8	NA	1.5	0.06 U	0.06 U	1.2	
		SS-12 (1-2)	11/13/2018	1-2	14	0.85	NA	NA	NA	NA	NA	0.27	0.24	1.6	0.74	0.48	0.38	0.59	5.3	0.78	NA	0.32	22	NA	0.57	0.06 U	0.06 U	1.7	
	SS-13	SS-13 (0-1)	11/13/2018	0-1	3.3	0.14 I	NA	NA	NA	NA	NA	0.03 U	0.03 U	0.17 I	0.36	0.07 U	0.04 I	0.03 U	1.0	0.10 I	NA	0.18 I	1.1	NA	0.08 U	0.06 U	0.06 I	0.21	
		SS-13 (1-2)	11/13/2018	1-2	4.0	0.11 I	NA	NA	NA	NA	NA	0.03 U	0.03 U	0.04 U	0.18 I	0.07 U	0.04 U	0.03 U	1.4	0.09 I	NA	0.25	0.86	NA	0.08 U	0.06 U	0.05 U	0.04 U	
	SS-14	SS-14 (0-1)	11/13/2018	0-1	4.9	0.11 I	NA	NA	NA	NA	NA	0.03 U	0.03 I	0.19 I	0.13 I	0.07 U	0.04 U	0.04 I	1.4	0.17 I	NA	0.08 I	0.35	NA	0.08 U	0.06 U	0.05 U	0.08 I	
	SS-15	SS-15 (0-1)	11/13/2018	0-1	130	1.8	NA	NA	NA	NA	NA	0.29	0.29	0.86	2.3	0.27	0.70	0.78	19	2.2	NA	2.5	2.2	NA	0.68	0.06 I	0.47	2.3	
		SS-15 (1-2)	11/13/2018	1-2	87	0.75	NA	NA	NA	NA	NA	0.06 I	0.26	0.05 U	0.23 I	0.08 U	0.26	0.23 I	6.8	0.70	NA	0.85	0.40	NA	0.42	0.07 U	0.06 U	0.07 I	
	SS-16	SS-16 (0-1)	11/13/2018	0-1	6.7	0.31	NA	NA	NA	NA	NA	0.06 I	0.09 I	1.7	0.23	0.16 I	0.14 I	0.10 I	1.9	0.46	NA	0.18 I	8.5	NA	0.17 I	0.06 U	0.13 I	0.79	
		SS-16 (1-2)	11/13/2018	1-2	120	0.32	NA	NA	NA	NA	NA	0.16 I	0.09 I	0.27	0.67	0.07 U	0.34	0.13 I	5.5	0.50	NA	0.75	2.5	NA	0.20 I	0.06 U	0.06 U	0.13 I	
	SS-17	SS-17 (0-1)	11/13/2018	0-1	76	0.41	NA	NA	NA	NA	NA	0.03 I	0.07 I	0.46	0.97	0.07 U	0.21	0.19 I	3.6	0.33	NA	0.84	2.3	NA	0.22	0.06 U	0.11 I	0.67	
		SS-17 (1-2)	11/13/2018	1-2	61	0.34	NA	NA	NA	NA	NA	0.03 U	0.18 I	0.06 I	0.18 I	0.08 U	0.14 I	0.11 I	1.6	0.26	NA	0.47	0.38	NA	0.25	0.07 U	0.06 U	0.10 I	
	SS-18	SS-18 (0-1)	11/13/2018	0-1	22	1.6	NA	NA	NA	NA	NA	0.06 I	0.53	1.6	3.0	1.2	0.17 I	1.4	8.8	1.8	NA	1.2	7.2	NA	1.3	0.21	7.1	19	
	SS-19	SS-19 (0-1)	11/13/2018	0-1	13	0.67	NA	NA	NA	NA	NA	0.03 I	0.16 I	1.3	2.3	0.49	0.10 I	0.49	3.4	0.58	NA	0.66	3.6	NA	0.29	0.08 I	3.1	9.0	
	SS-20	SS-20 (0-1)	11/13/2018	0-1	9.7	1.1	NA	NA	NA	NA	NA	0.12 I	0.36	3.3	1.2	1.4	0.31	1.1	6.4	1.6	NA	0.32	11	NA	0.63	0.22	5.2	6.2	
		SS-20 (1-2)	11/13/2018	1-2	15	1.1	NA	NA	NA	NA	NA	0.09 I	0.25	2.5	1.9	0.91	0.30	0.67	5.3	1.3	NA	0.34	31	NA	0.52	0.12 I	0.77	12	
	SS-21	SS-21 (0-1)	11/13/2018	0-1	8.9	0.37	NA	NA	NA	NA	NA	0.08 I	0.10 I	2.0	0.45	0.21	0.18 I	0.12 I	2.6	0.80	NA	0.27	11	NA	0.20 I	0.06 U	0.50	2.7	
	SS-22	SS-22 (0-1)	11/13/2018	0-1	35	0.70	NA	NA	NA	NA	NA	0.27	0.10 I	0.30	0.26	0.07 U	0.38	0.42	8.6	0.41	NA	0.40	0.70	NA	0.22	0.06 U	0.06 U	0.23	
	SB-217	SB-217 (0-0.5)	4/7/2020	0-0.5	22	0.45 I	0.23 U	0.47 U	0.23 U	0.12 U	0.12 U	0.12 U	0.12 U	0.33 I	1.6	0.35 I	0.18 I	0.43 I	2.1	0.71 I	0.99	0.85	NA	0.12 U	0.87 I	0.12 U	1.6	4.0	
		SB-217 (0.5-2)	4/7/2020	0.5-2	79	0.41	0.20 U	0.40 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.41	0.10 U	0.25 I	0.35 I	4.5	0.34 I	0.22 I	1.1	NA	0.10 U	0.40 U	0.10 U	0.10 U	0.12 I	
		SB-217 (2-4)	4/7/2020	2-4	29	0.16 I	0.21 U	0.42 U	0.21 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.21 U	2.8	0.28 I	0.10 U	0.26 I	NA	0.10 U	0.42 U	0.10 U	0.10 U	0.10 U	
	SB-218	SB-218 (0-0.5)	4/7/2020	0-0.5	2200	2.6	0.22 U	0.47 I	0.25 I	0.11 U	0.11 U	12	NA	3.4	1.6	0.83	8.5	3.8	640	17	2.3	1.8	NA	61	2.6	0.19 I	3.6	5.2	
		SB-218 (0.5-2)	4/7/2020	0.5-2	990	0.42	0.21 U	0.42 U	0.21 U	0.10 U	0.10 U	0.42 I	NA	0.22 I	0.12 I	0.10 U	3.4	0.21 U	29	0.80 I	0.15 I	1.5	NA	1.8	0.42 U	0.10 U	0.13 I	0.22 I	
		SB-218 (2-4)	4/7/2020	2-4	58	0.72	0.24 U	0.48 U	0.24 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.2	0.24 U	8.6	0.89 I	0.12 U	0.33 I	NA								

TABLE 2: SOIL ANALYTICAL RESULTS FOR PFAS COMPOUNDS

Florida State Fire College

Area of concern	Sample Location	Sample ID	Sample Date	Sample Interval (ft BLS)	PFOS	PFOA	4:2 FTS	6:2 FTS	8:2 FTS	NEtFOSAA	NMeFOSAA	PFBS	PFBA	PFDS	PFDA	PFDoA	PFHpS	PFHpA	PFHxS	PFHxA	PFNS	PFNA	FOSA	PFPeS	PFPeA	PFTeA	PFTriA	PFUnA	
Provisional Residential SCTL (µg/kg)					1,300	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)					25,000	25,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)					7	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
New Burn Building Block, Training Tower Block, and Former Drum and Tote (AOC 1) Areas	SB-228	SB-228 (0-0.5)	4/6/2020	0-0.5	23	0.33 I	0.20 U	0.40 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.63	0.39 I	0.20 I	0.14 I	0.22 I	3.5	0.50 I	1.1	0.43	NA	0.10 U	0.42 I	0.10 U	0.63	2.8	
		SB-228 (0.5-2)	4/6/2020	0.5-2	460	0.26 I	0.23 U	0.46 U	0.23 U	0.12 U	0.12 U	0.12 U	NA	0.12 U	0.12 U	0.12 U	0.26 I	0.23 U	12	0.41 I	0.12 I	0.89	NA	0.12 U	0.51 I	0.12 U	0.12 U	0.12 U	
		SB-228 (2-4)	4/6/2020	2-4	120	0.21 I	0.20 U	0.40 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.45	0.20 U	5.0	0.23 I	0.10 U	0.57	NA	0.10 U	0.40 U	0.10 U	0.10 U	0.10 U	
	SB-229	SB-229 (0-0.5)	4/6/2020	0-0.5	10	0.53	0.20 U	0.40 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.48	0.17 I	0.10 U	0.70 I	0.61	0.74 I	0.12 I	1.4	NA	0.10 I	0.81 I	0.10 U	1.7	5.4	
		SB-229 (0.5-2)	4/6/2020	0.5-2	13	0.44 I	0.29 U	0.58 U	0.29 U	0.15 U	0.15 U	0.15 U	NA	0.15 U	0.16 I	0.15 U	0.15 U	0.57 I	0.56 I	0.66 I	0.15 U	3.0	NA	0.15 U	0.96 I	0.15 U	0.18 I	0.38 I	
		SB-229 (2-4)	4/6/2020	2-4	1.9	0.15 I	0.21 U	0.42 U	0.21 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.21 U	0.17 I	0.21 U	0.10 U	0.78	NA	0.10 U	0.48 I	0.10 U	0.10 U	0.10 U	
	SB-230	SB-230 (0-0.5)	4/6/2020	0-0.5	50	2.3	0.20 U	0.40 U	0.89	0.10 U	0.10 U	1.3	NA	6.3	0.86	0.55	1.9	0.73 I	34	1.7	2.2	1.2	NA	2.8	1.5 I	0.14 I	1.1	1.4	
		SB-230 (0.5-2)	4/6/2020	0.5-2	84	1.3	0.24 U	0.49 U	0.24 U	0.12 U	0.12 U	0.47 I	NA	1.1	0.38 I	0.12 U	4.0	0.24 U	20	0.70 I	3.6	0.51	NA	1.8	0.49 U	0.12 U	0.12 U	0.55	
		SB-230 (2-4)	4/6/2020	2-4	94	1.0	0.29 U	0.61 I	0.29 U	0.15 U	0.15 U	0.72	NA	0.46 I	0.25 I	0.18 I	1.3	0.41 I	25	1.5	1.2	0.47 I	NA	2.4	1.3 I	0.15 U	0.15 U	0.28 I	
	SB-231	SB-231 (0-0.5)	4/6/2020	0-0.5	32	1.0	0.22 U	0.44 U	0.27 I	0.11 U	0.11 U	0.28 I	NA	1.0	0.65	0.35 I	0.50	1.3	6.5	1.5	0.34 I	0.69	NA	0.56	1.8	0.11 U	0.99	0.78	
		SB-231 (0.5-2)	4/6/2020	0.5-2	14	0.27 I	0.27 U	0.54 U	0.27 U	0.13 U	0.13 U	0.13 U	NA	0.45 I	0.23 I	0.13 U	0.20 I	0.28 I	2.9	0.41 I	0.32 I	0.34 I	NA	0.24 I	0.54 U	0.13 U	0.13 U	0.26 I	
		SB-231 (2-4)	4/6/2020	2-4	24	0.39 I	0.30 U	0.60 U	0.30 U	0.15 U	0.15 U	0.27 I	NA	0.15 U	0.20 I	0.15 U	0.18 I	0.38 I	4.7	0.93 I	0.15 I	0.19 I	NA	0.48 I	0.93 I	0.15 U	0.15 U	0.15 U	
	SB-232	SB-232 (0-0.5)	4/6/2020	0-0.5	46	1.0	0.19 U	0.39 U	0.19 U	0.10 U	0.10 U	5.0	NA	0.54	0.46	0.11 I	0.70	0.35 I	9.5	2.3	1.2	0.84	NA	1.3	3.0	0.10 U	0.15 I	0.35 I	
		SB-232 (0.5-2)	4/6/2020	0.5-2	25	0.66	0.22 U	0.70 I	0.22 U	0.11 U	0.11 U	NA	0.11 U	0.11 U	NA	0.11 U	0.20 I	0.11 U	0.53	0.55 I	4.5	0.53 I	0.44	0.45	NA	0.17 I	0.51 I	0.11 U	0.11 U
		SB-232 (2-4)	4/6/2020	2-4	230	0.48	0.24 U	0.48 U	0.24 U	0.12 U	0.12 U	0.15 I	NA	0.12 U	0.12 U	0.12 U	0.90	0.71 I	24	0.74 I	0.12 U	0.38 I	NA	0.79	0.49 I	0.12 U	0.12 U	0.12 U	
	SB-233	SB-233 (0-0.5)	4/6/2020	0-0.5	42	0.73	0.20 U	0.39 U	0.55 I	0.13 I	0.10 U	0.23 I	NA	3.3	0.67	0.55	1.4	0.30 I	9.2	0.93	1.3	0.73	NA	0.60	0.48 I	0.13 I	0.38 I	1.5	
		SB-233 (0.5-2)	4/6/2020	0.5-2	780	3.4	0.19 U	0.39 U	1.9	0.10 U	0.10 U	0.30 I	NA	0.25 I	2.5	0.10 U	14	0.48 I	23	0.94	4.6	8.1	NA	0.83	0.49 I	0.10 U	0.10 U	0.10 U	
		SB-233 (2-4)	4/6/2020	2-4	670	5.7	0.19 U	0.38 I	0.19 U	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.19 I	0.09 U	12	0.63 I	60	0.23 I	0.20 I	3.0	NA	0.58	0.38 U	0.09 U	0.09 U	0.09 U	
	SB-234	SB-234 (0-0.5)	4/7/2020	0-0.5	11	2.4	0.21 U	11	0.21 U	0.11 U	0.44	0.11 U	NA	1.3	2.1	3.2	0.11 U	1.6	2.9	0.21 U	0.96	0.11 U	NA	0.39 I	0.43 U	0.11 U	0.11 U	0.11 U	
		SB-234 (0.5-2)	4/7/2020	0.5-2	29	0.33 I	0.21 U	0.42 U	0.21 U	0.10 U	0.10 U	NA	0.49	0.16 I	0.10 U	0.50	0.21 U	5.7	0.93	1.2	0.16 I	NA	0.18 I	0.42 U	0.10 U	0.10 U	0.10 U		
		SB-234 (2-4)	4/7/2020	2-4	39	0.20 I	0.22 U	0.45 U	0.22 U	0.11 U	0.11 U	0.11 U	NA	0.11 U	0.11 U	0.11 U	0.57	0.22 U	7.6	0.55 I	0.22 I	0.14 I	NA	0.20 I	0.45 U	0.11 U	0.11 U	0.11 U	
	SB-235	SB-235 (0-0.5)	4/7/2020	0-0.5	6.5	0.32 I	0.21 U	0.43 U	0.21 U	0.11 U	0.11 U	0.11 U	NA	1.8	0.27 I	0.21 I	0.11 I	0.21 U	1.2	0.44 I	0.23 I	0.19 I	NA	0.17 I	0.43 U	0.11 U	0.11 U	0.48	
		SB-235 (0.5-2)	4/7/2020	0.5-2	10	0.34 I	0.20 U	0.40 U	0.20 I	0.10 U	0.10 U	0.10 U	NA	0.13 I	0.28 I	0.10 U	0.21 I	0.20 U	1.1	0.20 I	3.5	0.15 I	NA	0.10 U	0.40 U	0.10 U	0.10 U	0.10 U	
		SB-235 (2-4)	4/7/2020	2-4	5.0	0.25 I	0.24 U	0.48 U	0.24 U	0.12 U	0.12 U	0.12 U	NA	0.12 U	0.16 I	0.12 U	0.14 I	0.24 U	0.85	0.24 U	1.1	0.13 I	NA	0.12 U	0.48 U	0.12 U	0.12 U	0.12 U	
	SB-236	SB-236 (0-0.5)	4/6/2020	0-0.5	16	1.2	0.22 U	0.44 U	3.2	0.11 U	0.11 U	0.11 U	NA	0.40 I	3.6	0.24 I	0.30 I	0.51 I	1.5	0.56 I	0.86	2.8	NA	0.11 U	0.47 I	0.11 U	0.20 I	1.9	
		SB-236 (0.5-2)	4/6/2020	0.5-2	290	1.7	0.21 U	0.42 U	180	0.10 U	0.10 U	0.10 U	NA	0.10 U	1.3	0.10 U	0.40 I	0.66 I	2.2	0.36 I	0.16 I	4.2	NA	0.10 U	0.42 U	0.10 U	0.12 I	0.17 I	
		SB-236 (2-4)	4/6/2020	2-4	480	2.9	0.20 U	0.42 I	65	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.44	0.10 U	1.3	0.86	4.9	0.20 I	0.10 U	4.8	NA	0.13 I	0.40 U	0.10 U	0.12 I	0.10 U	
	SB-237	SB-237 (0-0.5)	4/6/2020	0-0.5	940	15	0.20 U	0.53 I	28	34	0.61	0.29 I	NA	3.4	1.8	0.28 I	2.3	2.0	7.4	2.1	4.1	8.1	NA	0.47	0.61 I	0.10 U	0.38 I	2.0	
		SB-237 (0.5-2)	4/6/2020	0.5-2	1100	12	0.18 U	0.37 U	10	0.38	0.09 U	0.09 U	NA	0.09 U	0.38	0.09 U	1.5	1.1	3.6	0.47 I	0.31 I	6.2	NA	0.22 I	0.37 U	0.09 U	0.09 U	0.11 I	
		SB-237 (2-4)	4/7/2020	2-4	1100	8.6	0.19 U	1.3 I	3.8	0.11 I	0.10 U	0.10 U	NA	0.10 U	0.17 I	0.10 U	1.4	0.62 I	4.2	0.46 I	0.10 U	5.5	NA	0.16 I	0.38 U	0.10 U	0.10 U	0.10 U	
	SB-238	SB-238 (0-0.5)	4/6/2020	0-0.5	100	3.7	0.20 U	0.88 I	1.8	2.2	0.10 U	0.23 I	NA	2.2	0.99	0.62	0.56	0.89	6.0	1.3	0.85	1.3	NA	0.42	1.0 I	0.13 I	5.7	12	
		SB-238 (0.5-2)	4/6/2020	0.5-2	220	4.5	0.20 U	1.6 I	3.1	5.2	0.18 I	0.10 U	NA	0.26 I	0.49	0.10 U	0.51	0.45 I	2.0	0.59 I	1.1	1.3	NA	0.10 U	0.40 U	0.10 U	0.52	6.2	
		SB-238 (2-4)	4/6/2020	2-4	310	8.1	0.19 U	3.1	3.6	0.41	0.10 U	0.10 U	NA	0.10 U	0.22 I	0.10 U	0.48	1.2	4.0	0.39 I	0.12 I	1.3	NA	0.11 I	0.39 U	0.10 U	0.14 I	0.89	
	SB-239	SB-239 (0-0.5)	4/7/2020	0-0.5	27	2.4	0.19 U	0.40 I	7.2	1.4	0.10 U	0.28 I	NA	3.5	1.6	0.97	0.44	1.3	7.4	1.8	0.81	1.7	NA	0.51	0.50 I	0.28 I	0.10 U	1.9	
		SB-239 (0.5-2)	4/7/2020	0.5-2	160	1.1	0.20 U	0.39 U	28	0.25 I	0.10 U	0.10 U	NA	0.84	0.80	0.10 U	0.43	0.31 I	2.7	0.40 I	3.8	1.1	NA	0.10 U	0.39 U	0.10 U	0.10 U		
		SB-239 (2-4)	4/7/2020	2-4	170	1.4	0.20 U	0.40 U	13	0.10 U	0.10 U	0.10 U	NA	0.11 I	0.35 I	0.10 U	0.71	0.38 I	4.1	0.21 I	0.21 I	1.1	NA	0.11 I	0.40 U	0.10 U	0.10 U	0.10 U	
	SB-240	SB-240 (0-0.5)	4/6/2020	0-0.5	130	5.6	0.23 U	0.46 U	0.88 I	15	0.20 I	0.26 I	NA	3.0	0.37 I	0.66	0.38 I	1.2	4.8	1.8	0.45 I	0.60	NA	0.55	0.53 I	0.14 I	4.3	2.4	
		SB-240 (0.5-2)	4/6/2020	0.5-2	130	2.1	0.22 U	0.43 U	0.67 I	1.5	0.11 U	0.11 U	NA	0.33 I	0.32 I	0.11 U	0.15 I	0.33 I	1.0	0.33 I	0.24 I	0.29 I	NA	0.13 I	0.43 U	0.11 U	0.57	1.0	
		SB-240 (2-4)	4/6/2020	2-4	61	1.2	0.29 U	0.57 U	0.38 I	0.33 I	0.14 U	0.14 U	NA	0.14 U	0.18 I	0.14 U	0.17 I	0.29 U	0.77	0.29 U	0.14 U								

TABLE 2: SOIL ANALYTICAL RESULTS FOR PFAS COMPOUNDS

Florida State Fire College

Area of concern	Sample Location	Sample ID	Sample Date	Sample Interval (ft BLS)	PFOS	PFOA	4:2 FTS	6:2 FTS	8:2 FTS	NEtFOSAA	NMeFOSAA	PFBS	PFBA	PFDS	PFDA	PFDoA	PFHpS	PFHpA	PFHxS	PFHxA	PFNS	PFNA	FOSA	PFPeS	PFPeA	PFTeA	PFTriA	PFUnA	
Provisional Residential SCTL (µg/kg)					1,300	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)					25,000	25,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)					7	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Storm Water Pond Area	SS-23	SS-23 (0-1)	11/13/2018	0-1	7.7	0.55	NA	NA	NA	NA	NA	0.70	1.4	0.55	0.30	0.23	0.10 I	0.39	3.3	1.1	NA	0.75	0.31	NA	2.1	0.08 I	4.9	1.1	
	SS-24	SS-24 (0-1)	11/13/2018	0-1	260	9.2	NA	NA	NA	NA	NA	NA	0.48	1.6	1.5	0.97	0.56	1.6	2.4	17	3.8	NA	1.3	160	NA	4.0	0.20 I	2.0	2.4
		SS-24 (1-2)	11/13/2018	1-2	51	7.0	NA	NA	NA	NA	NA	NA	0.29	0.61	0.36	0.44	0.10 I	0.99	1.7	9.2	2.5	NA	0.82	7.3	NA	2.1	0.06 U	0.23	0.54
	SS-25	SS-25 (0-1)	11/13/2018	0-1	240	9.1	NA	NA	NA	NA	NA	NA	0.63	1.2	2.1 J	1.0	0.70	1.8 J	1.8	13	3.7	NA	1.2	140 J	NA	2.4	0.24	1.9	1.5 J
		SS-25 (1-2)	11/13/2018	1-2	140	5.5	NA	NA	NA	NA	NA	NA	0.63	0.69	4.1	1.1	1.4	0.36	1.3	5.1	1.7	NA	0.98	370	NA	1.2	0.28	3.5	3.3
	SS-26	SS-26 (0-1)	11/13/2018	0-1	46	1.3	NA	NA	NA	NA	NA	NA	0.16 I	0.28	0.88	0.25	0.29	0.08 I	0.31	1.4	0.49	NA	0.26	130	NA	0.39	0.08 I	0.66	0.88
		SS-26 (1-2)	11/13/2018	1-2	44	4.4	NA	NA	NA	NA	NA	NA	0.52	0.72	10	0.84	2.6	0.24	1.9	5.8	1.7	NA	1.2	150	NA	1.2	0.27	5.4	4.9
	SS-27	SS-27 (0-1)	11/13/2018	0-1	15	1.6	NA	NA	NA	NA	NA	NA	0.06 I	0.15 I	1.3	0.21	0.28	0.05 I	0.44	1.1	0.46	NA	0.24	140	NA	0.29	0.06 U	0.57	1.1
		SS-27 (1-2)	11/13/2018	1-2	66	1.9	NA	NA	NA	NA	NA	NA	1.1	1.2	3.2	0.50	0.43	0.51	1.1	12	1.9	NA	1.2	13	NA	1.6	0.12 I	1.1	3.4
	SS-28	SS-28 (0-1)	11/13/2018	0-1	82	2.1	NA	NA	NA	NA	NA	NA	0.78	0.96	2.2	0.44	0.25	0.48	1.0	9.3	1.5	NA	1.1	51	NA	1.6	0.07 I	0.62	3.1
		SS-28 (1-2)	11/13/2018	1-2	20	0.88	0.21 U	0.42 U	0.40 I	0.11 U	0.11 U	0.11 U	0.21 I	NA	1.1	0.22 I	0.34 I	0.19 I	0.50 I	2.8	0.74 I	0.23 I	0.53	NA	0.21 I	0.56 I	0.11 U	1.2	1.2
	SB-201	SB-201 (0-0.5)	4/8/2020	0-0.5	100	1.4	0.33 U	0.65 U	0.50 I	0.16 U	0.16 U	0.16 U	0.40 I	NA	1.6	0.26 I	0.16 U	0.60 I	6.4	1.2 I	0.88	0.75	NA	0.54 I	0.65 U	0.16 U	0.21 I	1.5	
		SB-201 (0.5-2)	4/8/2020	0.5-2	370	3.9	0.35 U	0.70 U	0.35 U	0.18 U	0.18 U	0.18 U	1.0	NA	0.18 U	0.18 U	0.18 U	1.8	0.94 I	2.6	1.4	0.18 U	1.2	NA	1.4	1.2 I	0.18 U	0.18 U	0.18 U
		SB-201 (2-4)	4/8/2020	2-4	55	3.0	0.24 U	0.49 U	2.2	0.15 I	0.12 U	0.34 I	NA	5.9	0.57	1.2	0.40 I	1.7	6.2	1.7	0.68	1.8	NA	0.42 I	2.0	0.20 I	3.2	2.8	
	SB-202	SB-202 (0-0.5)	4/8/2020	0-0.5	29	0.96	0.20 U	0.40 U	0.46 I	0.10 U	0.10 U	0.10 U	NA	0.75	0.18 I	0.18 I	0.23 I	0.52 I	2.6	0.62 I	0.18 I	0.50	NA	0.14 I	0.70 I	0.10 U	0.43	0.49	
		SB-202 (0.5-2)	4/8/2020	0.5-2	20	0.55	0.22 U	0.45 U	0.22 U	0.11 U	0.11 U	0.11 U	NA	0.32 I	0.11 U	0.11 U	0.15 I	0.27 I	2.4	0.50 I	0.25 I	0.31 I	NA	0.11 I	0.45 U	0.11 U	0.18 I	0.31 I	
		SB-202 (2-4)	4/8/2020	2-4	29	0.43	0.21 U	0.41 U	0.21 U	0.10 U	0.10 U	0.10 U	0.17 I	NA	0.90	0.33 I	0.10 U	0.27 I	2.2	0.61	2.4	0.61	NA	0.18 I	0.48 I	0.10 U	0.17 I	1.4	
	SB-203	SB-203 (0-0.5)	4/8/2020	0-0.5	18	0.14 I	0.19 U	0.38 U	0.19 U	0.10 U	0.10 U	0.10 U	NA	0.11 I	0.10 U	0.10 U	0.10 U	0.19 I	0.19 U	1.7	0.42 I	0.38 I	0.24 I	NA	0.10 U	0.38 U	0.10 U	0.10 U	0.17 I
		SB-203 (0.5-2)	4/8/2020	0.5-2	14	0.16 I	0.21 U	0.42 U	0.21 U	0.11 U	0.11 U	0.11 U	NA	0.16 I	0.11 U	0.11 U	0.19 I	0.21 U	1.9	0.53 I	0.42 I	0.20 I	NA	0.11 U	0.42 U	0.11 U	0.11 U	0.19 I	
		SB-203 (2-4)	4/8/2020	2-4	10	0.41 I	0.28 U	0.56 U	0.28 U	0.14 U	0.14 U	0.37 I	NA	0.30 I	0.17 I	0.14 U	0.14 I	0.28 U	1.9	1.1 I	0.30 I	0.44 I	NA	0.28 I	0.90 I	0.14 U	0.14 U	0.35 I	
	SB-204	SB-204 (0-0.5)	4/8/2020	0-0.5	37	0.74	0.28 U	0.56 U	0.28 U	0.14 U	0.14 U	0.94	NA	0.14 U	0.14 U	0.14 U	0.20 I	0.28 U	3.2	1.1 I	0.14 U	0.41 I	NA	0.52 I	0.87 I	0.14 U	0.14 U	0.14 U	
		SB-204 (0.5-2)	4/8/2020	0.5-2	110	2.2	0.31 U	0.61 U	0.31 U	0.15 U	0.15 U	21	NA	0.15 U	0.15 U	0.15 U	2.5	1.3	84	4.4	0.15 U	0.15 U	NA	14	2.8	0.15 U	0.15 U	0.15 U	
		SB-204 (2-4)	4/8/2020	2-4	2.9	0.13 I	0.20 U	0.41 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.47	0.46 I	0.10 U	0.13 I	NA	0.10 U	0.41 U	0.10 U	0.10 U	0.10 U	
	SB-205	SB-205 (0-0.5)	4/8/2020	0-0.5	2.1	0.10 U	0.19 U	0.38 U	0.19 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.19 U	0.16 I	0.46 I	0.10 U	0.10 U	NA	0.10 U	0.38 U	0.10 U	0.10 U	0.10 U	
		SB-205 (0.5-2)	4/8/2020	0.5-2	1.8	0.09 U	0.18 U	0.37 U	0.18 U	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U	0.09 U	0.42 I	0.09 U	0.09 U	NA	0.09 U	0.37 U	0.09 U	0.09 U	0.09 U
		SB-205 (2-4)	4/8/2020	2-4	63	2.2	0.22 U	0.45 U	0.22 U	0.11 I	0.11 U	0.11 U	NA	0.63	0.54	0.29 I	0.53	0.62 I	3.7	0.94	0.46	0.88	NA	0.15 I	0.77 I	0.13 I	1.4	0.71	
	SB-206	SB-206 (0-0.5)	4/8/2020	0-0.5	11	0.68	0.20 U	0.40 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.25 I	0.20 U	2.2	0.49 I	0.10 U	0.11 I	NA	0.10 U	0.40 U	0.10 U	0.10 U	0.10 U
		SB-206 (0.5-2)	4/8/2020	0.5-2	7.3	0.90	0.23 U	0.46 U	0.23 U	0.17 I	0.18 I	0.30 I	NA	0.12 U	1.0	0.35 I	0.18 I	0.88 I	1.2	1.9	0.12 U	0.26 I	NA	0.12 U	3.7	0.41 I	0.12 U	0.17 I	
		SB-206 (2-4)	4/8/2020	2-4	5.7	0.18 I	0.19 U	0.39 U	0.19 U	0.10 U	0.10 U	0.22 I	NA	0.14 I	0.19 I	0.10 U	0.11 I	0.19 U	1.6	0.70 I	0.20 I	0.17 I	NA	0.20 I	0.55 I	0.10 U	0.18 I	0.28 I	
	SB-207	SB-207 (0-0.5)	4/7/2020	0-0.5	6.2	1.3	0.24 U	0.65 I	0.24 U	0.12 U	0.12 U	0.29 I	NA	0.13 I	2.0	1.1	0.12 U	1.0	0.82	3.4	0.20 I	0.49	NA	0.18 I	14	0.12 U	0.12 U	0.42 I	
		SB-207 (0.5-2)	4/7/2020	0.5-2	13	0.11 U	0.23 U	0.46 U	0.23 U	0.11 U	0.11 U	0.11 U	NA	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	1.2	0.26 I	0.11 U	0.11 U	NA	0.11 U	0.48 I	0.11 U	0.11 U	0.11 U	
		SB-207 (2-4)	4/7/2020	2-4	260	3.1	0.29 U	0.59 U	3.4	0.50 I	0.15 U	0.68	NA	2.4	2.8	4.2	0.45 I	3.4	7.0	3.8	1.6	2.7	NA	0.61	5.6	0.23 I	1.1	9.9	
	SB-209	SB-209 (0-0.5)	4/8/2020	0-0.5	7.2	0.14 I	0.21 U	0.42 U	0.21 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.21 U	0.48	0.21 U	0.10 U	0.10 U	NA	0.10 U	0.42 U	0.10 U	0.10 U	0.10 U	
		SB-209 (0.5-2)	4/8/2020	0.5-2	2.3	0.10 U	0.19 U	0.38 U	0.19 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.19 U	0.18 I	0.19 U	0.10 U	0.10 U	NA	0.10 U	0.38 U	0.10 U	0.10 U	0.10 U	
		SB-209 (2-4)	4/8/2020	2-4	2.0	0.10 U	0.20 U	0.41 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.17 I	0.20 U	0.10 U	0.10 U	NA	0.10 U	0.41 U	0.10 U	0.10 U	0.10 U	
	SB-210	SB-210 (0-0.5)	4/8/2020	0-0.5	22	0.17 I	0.21 U	0.41 U	0.21 U	0.10 U	0.10 U	0.12 I	NA	0.20 I	0.10 U	0.10 U	0.10 U	0.21 U	1.7	0.33 I	0.13 I	0.11 I	NA	0.11 I	0.41 U	0.10 U	0.10 U	0.19 I	
		SB-210 (0.5-2)	4/8/2020	0.5-2	31	0.11 I	0.20 U	0.40 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.52	0.21 I	0.10 U	0.14 I	NA	0.10 U	0.40 U	0.10 U	0.10 U	0.10 U	
		SB-210 (2-4)	4/8/2020	2-4	21	0.12 I	0.20 U	0.40 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.34 I	0.20 U	0.10 U	0.10 U	NA	0.10 U	0.40 U	0.10 U	0.10 U	0.10 U	
	SB-211	SB-211 (0-0.5)	4/7/2020	0-0.5	10	0.67	0.23 U	0.45 U	0.23 U	0.11 U	0.11 U	0.33 I	NA	0.11 U	0.67</														

TABLE 2: SOIL ANALYTICAL RESULTS FOR PFAS COMPOUNDS

Florida State Fire College

Area of concern	Sample Location	Sample ID	Sample Date	Sample Interval (ft BLS)	PFOS	PFOA	4:2 FTS	6:2 FTS	8:2 FTS	NEtFOSAA	NMeFOSAA	PFBS	PFBA	PFDS	PFDA	PFDoA	PFHpS	PFHpA	PFHxS	PFHxA	PFNS	PFNA	FOSA	PFPeS	PFPeA	PFTeA	PFTriA	PFUnA	
Provisional Residential SCTL (µg/kg)					1,300	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)					25,000	25,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)					7	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hazmat Field Area	SS-29	SS-29 (0-1)	11/13/2018	0-1	4.7	0.83	NA	NA	NA	NA	NA	0.03 U	0.66	0.04 U	1.3	0.11 I	0.04 U	1.1	0.16 I	0.86	NA	1.4	0.09 U	NA	1.3	0.07 I	0.05 U	0.24	
	SS-30	SS-30 (0.1)	11/13/2018	0.1	0.76	0.30	NA	NA	NA	NA	NA	0.03 U	0.30	0.04 U	0.21	0.07 U	0.04 U	0.43	0.03 U	0.49	NA	1.2	0.08 U	NA	0.70	0.06 U	0.05 U	0.06 I	
	SS-31	SS-31 (0-1)	11/13/2018	0-1	0.75	0.71	NA	NA	NA	NA	NA	0.03 U	0.77	0.04 U	0.38	0.07 I	0.04 U	0.94	0.08 I	0.81	NA	0.59	0.08 U	NA	1.9	0.06 U	0.05 U	0.17 I	
	SS-31	SS-31 (1-2)	11/13/2018	1-2	1.7	0.76	NA	NA	NA	NA	NA	0.03 U	0.53	0.04 U	0.12 I	0.07 U	0.04 U	0.57	0.10 I	0.38	NA	1.8	0.08 U	NA	0.99	0.06 U	0.05 U	0.04 I	
	SS-32	SS-32 (0-1)	11/13/2018	0-1	9.1	0.85	NA	NA	NA	NA	NA	0.03 U	0.65	0.04 U	0.36	0.07 U	0.04 U	0.79	0.06 I	0.97	NA	2.6	0.09 U	NA	1.3	0.06 U	0.05 U	0.11 I	
	SS-33	SS-33(0-1)	11/13/2018	0-1	43	0.29	NA	NA	NA	NA	NA	0.04 I	0.31	0.06 I	0.09 I	0.07 U	0.07 I	0.23	1.5	0.32	NA	0.53	0.09 U	NA	0.33	0.06 U	0.06 U	0.05 I	
	SS-34	SS-34 (0-1)	11/13/2018	0-1	25	5.9	NA	NA	NA	NA	NA	0.03 U	1.6	0.04 U	1.3	0.23	0.04 I	4.7	0.47	2.5	NA	8.0	0.48	NA	2.4	0.08 I	0.07 I	0.35	
	SS-34	SS-34 (1-2)	11/13/2018	1-2	25	9.7	NA	NA	NA	NA	NA	0.04 I	2.6	0.04 U	0.17 I	0.07 U	0.32	3.8	0.80	1.7	NA	4.8	0.09 U	NA	4.8	0.06 U	0.06 U	0.08 I	
	SS-35	SS-35 (0-1)	11/13/2018	0-1	72	3.3	NA	NA	NA	NA	NA	0.05 I	1.2	0.04 U	0.48	0.07 U	0.18 I	2.0	2.4	1.1	NA	6.6	0.18 I	NA	1.9	0.06 U	0.06 U	0.09 I	
	SS-36	SS-36 (0-1)	11/13/2018	0-1	300	21	NA	NA	NA	NA	NA	0.12 I	1.9	0.11 I	1.9	0.59	2.9	6.0	8.6	3.0	NA	10	0.37	NA	3.8	0.18 I	0.17 I	0.54	
	SS-37	SS-37 (0-1)	11/13/2018	0-1	40	4.9	NA	NA	NA	NA	NA	0.12 I	0.80	0.06 I	2.6	0.17 I	0.21	2.6	4.9	1.4	NA	5.1	0.41	NA	1.4	0.06 U	0.05 U	0.61	
	SB-248	SB-248 (0-0.5)	4/8/2020	0-0.5	1.4	0.74	0.19 U	0.38 U	0.19 U	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.14 I	0.10 U	0.10 U	0.78	0.10 U	0.75 I	0.10 U	2.2	NA	0.10 U	1.3 I	0.10 U	0.10 U	0.11 I
		SB-248 (0.5-2)	4/8/2020	0.5-2	0.95	0.56	0.20 U	0.39 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.87	0.10 U	0.53 I	0.10 U	1.6	NA	0.10 U	1.0 I	0.10 U	0.10 U	0.10 U	
		SB-248 (2-4)	4/8/2020	2-4	0.29 U	0.36 I	0.29 U	0.58 U	0.29 U	0.14 U	0.14 U	0.14 U	NA	0.14 U	0.14 U	0.14 U	0.14 U	1.9	0.53 I	4.4	0.14 U	0.14 U	NA	0.14 U	5.8	0.14 U	0.14 U	0.14 U	
	SB-249	SB-249 (0-0.5)	4/8/2020	0-0.5	4.7	0.38 I	0.21 U	0.42 U	0.21 U	0.11 U	0.11 U	0.11 U	NA	0.11 U	0.42 I	0.13 I	0.11 U	0.85 I	0.22 I	0.40 I	0.11 U	0.65	NA	0.11 U	0.90 I	0.11 U	0.11 U	0.21 I	
		SB-249 (0.5-2)	4/8/2020	0.5-2	15	0.38 I	0.21 U	0.41 U	0.21 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.61 I	0.12 I	0.30 I	0.10 U	0.69	NA	0.10 U	0.84 I	0.10 U	0.10 U	0.10 U	
		SB-249 (2-4)	4/8/2020	2-4	14	0.32 I	0.23 U	0.47 U	0.23 U	0.12 U	0.12 U	0.12 U	NA	0.12 U	0.12 U	0.12 U	0.12 U	0.51 I	0.12 U	0.23 U	0.12 U	0.53	NA	0.12 U	0.81 I	0.12 U	0.12 U	0.12 U	
	SB-250	SB-250 (0-0.5)	4/8/2020	0-0.5	2.0	0.37 I	0.19 U	0.39 U	0.19 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.19 I	0.10 U	0.10 U	0.65 I	0.11 I	0.25 I	0.10 U	0.80	NA	0.10 U	0.69 I	0.10 U	0.10 U	0.13 I	
		SB-250 (0.5-2)	4/8/2020	0.5-2	0.88	0.69	0.20 U	0.39 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.47 I	0.16 I	0.21 I	0.10 U	0.44	NA	0.10 U	0.45 I	0.10 U	0.10 U	0.10 U	
		SB-250 (2-4)	4/8/2020	2-4	0.21 U	0.55	0.21 U	0.41 U	0.21 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.51 I	0.14 I	0.21 U	0.10 U	0.10 U	NA	0.10 U	0.41 U	0.10 U	0.10 U	0.10 U	
	SB-251	SB-251 (0-0.5)	4/8/2020	0-0.5	3.2	0.33 I	0.19 U	0.38 U	0.19 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.17 I	0.11 I	0.10 U	0.40 I	0.18 I	0.22 I	0.10 U	0.39	NA	0.10 U	0.38 U	0.10 U	0.10 U	0.10 U	
		SB-251 (0.5-2)	4/8/2020	0.5-2	1.2	0.30 I	0.19 U	0.37 U	0.19 U	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.24 I	0.21 I	0.19 U	0.09 U	0.09 U	NA	0.09 U	0.37 U	0.09 U	0.09 U	0.09 U	
		SB-251 (2-4)	4/8/2020	2-4	0.21 U	0.10 U	0.21 U	0.41 U	0.21 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.21 U	0.10 U	0.21 U	0.10 U	0.10 U	NA	0.10 U	0.41 U	0.10 U	0.10 U	0.10 U	
	SB-252	SB-252 (0-0.5)	4/8/2020	0-0.5	0.89	0.38 I	0.22 U	0.43 U	0.22 U	0.11 U	0.11 U	0.11 U	NA	0.11 U	0.11 U	0.11 U	0.11 U	0.42 I	0.11 U	0.22 I	0.11 U	0.13 I	NA	0.11 U	0.59 I	0.11 U	0.11 U	0.11 U	
		SB-252 (0.5-2)	4/8/2020	0.5-2	0.20 U	0.10 U	0.20 U	0.41 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U	0.20 U	0.10 U	0.10 U	NA	0.10 U	0.41 U	0.10 U	0.10 U	0.10 U	
		SB-252 (2-4)	4/8/2020	2-4	0.18 U	0.09 U	0.18 U	0.37 U	0.18 U	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U	0.14 I	0.18 U	0.09 U	0.09 U	NA	0.09 U	0.37 U	0.09 U	0.09 U	0.09 U	
	SB-253	SB-253 (0-0.5)	4/8/2020	0-0.5	5.7	3.2	0.22 U	0.44 U	13	0.11 U	0.11 U	0.11 U	NA	0.11 U	1.8	1.1	0.11 U	2.1	0.13 I	0.41 I	0.11 U	3.4	NA	0.11 U	0.91 I	0.11 U	0.22 I	0.76	
		SB-253 (0.5-2)	4/8/2020	0.5-2	43	5.6	0.24 U	0.48 U	7.8	0.12 U	0.12 U	0.12 U	NA	0.12 U	0.24 I	0.12 U	0.12 U	5.5	0.61	0.72 I	0.12 U	5.1	NA	0.12 U	1.7 I	0.12 U	0.12 U		
		SB-253 (2-4)	4/8/2020	2-4	43	6.5	0.32 U	0.64 U	5.3	0.16 U	0.18 I	0.18 I	NA	0.16 U	0.32 I	0.23 I	0.23 I	8.0	5.4	2.7	0.16 U	2.5	NA	0.36 I	7.8	0.16 U	0.16 U		
	SB-254	SB-254 (0-0.5)	4/8/2020	0-0.5	3.1	0.43	0.20 U	0.40 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.65 I	0.10 U	0.28 I	0.10 U	0.48	NA	0.10 U	0.55 I	0.10 U	0.10 U	0.10 U	
		SB-254 (0.5-2)	4/8/2020	0.5-2	13	0.49	0.20 U	0.41 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.55 I	0.10 U	0.49 I	0.10 U	0.14 I	NA	0.10 U	0.41 U	0.10 U	0.10 U		
		SB-254 (2-4)	4/8/2020	2-4	2.7	0.19 I	0.24 U	0.47 U	0.24 U	0.12 U	0.12 U	0.12 U	NA	0.12 U	0.12 U	0.12 U	0.12 U	0.39 I	0.94	0.24 U	0.12 U	0.12 U	NA	0.12 U	0.47 U	0.12 U	0.12 U		
	SB-255	SB-255 (0-0.5)	4/8/2020	0-0.5	8.3	0.49	0.23 U	0.46 U	0.23 U	0.11 U	0.11 U	0.11 U	NA	0.22 I	0.38 I	0.21 I	0.11 U	0.57 I	0.39 I	0.23 U	0.86	0.37 I	NA	0.11 U	0.46 U	0.11 U	0.24 I	0.56	
		SB-255 (0.5-2)	4/8/2020	0.5-2	5.8	0.36 I	0.25 U	0.49 U	0.25 U	0.12 U	0.12 U	0.12 U	NA	0.12 U	0.12 U	0.12 U	0.12 U	0.74 I	0.28 I	0.32 I	0.12 U	0.49	NA	0.12 U	0.49 U	0.12 U	0.12 U		
		SB-255 (2-4)	4/8/2020	2-4	4.3	0.19 I	0.20 U	0.41 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U	0.20 U	0.10 U	0.28 I	NA	0.10 U	0.41 U	0.10 U	0.10 U		
	SB-256	SB-256 (0-0.5)	4/8/2020	0-0.5	1.7	0.40	0.19 U	0.39 U	0.19 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.29 I	0.17 I	0.19 U	0.10 U	0.15 I	NA	0.10 U	0.39 U	0.10 U	0.10 U		
		SB-256 (0.5-2)	4/8/2020	0.5-2	0.68 I	0.18 I	0.19 U	0.37 U	0.19 U	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.09 U	0.29 U	0.46	0.19 U	0.09 U	0.09 U	NA	0.09 U	0.37 U	0.09 U	0.09 U		
		SB-256 (2-4)	4/8/2020	2-4	0.21 U	0.10 U	0.21 U	0.41 U	0.21 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.21 U	0.10 U	0.21 U	0.10 U	0.10 U	NA	0.10 U	0.41 U	0.10 U	0.10 U		
	SB-257	SB-257 (0-0.5)	4/8/2020	0-0.5	15	4.2	0.18 U	1.1 I	24	0.09 U	0.09 U	0.09 U	NA	0.11 I	11	4.3	0.09 U	4.0	0.65	2.0	0.18 I	6.9							

TABLE 2: SOIL ANALYTICAL RESULTS FOR PFAS COMPOUNDS
Florida State Fire College

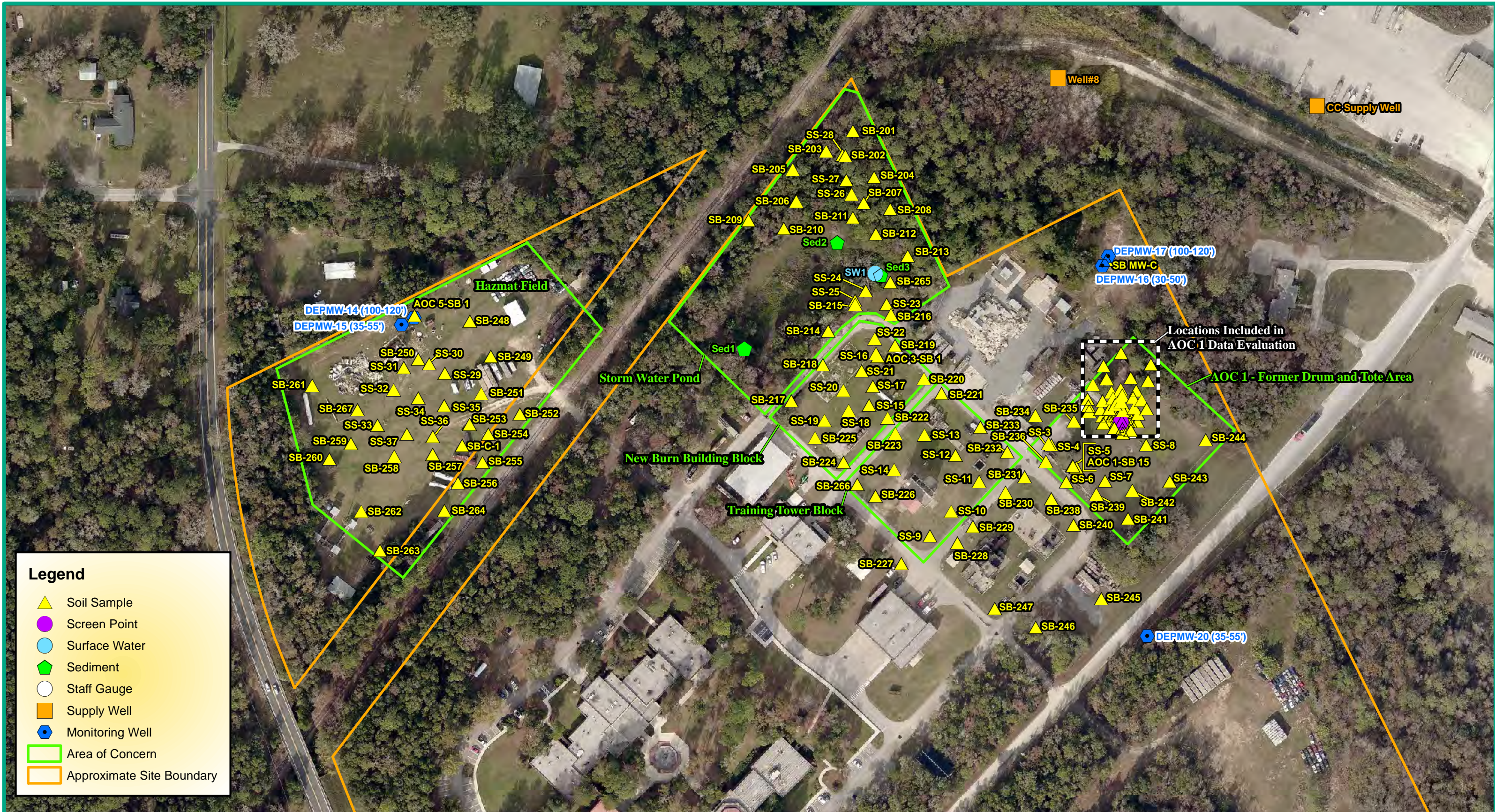
Area of concern	Sample Location	Sample ID	Sample Date	Sample Interval (ft BLS)	PFOS	PFOA	4:2 FTS	6:2 FTS	8:2 FTS	NEtFOSAA	NMeFOSAA	PFBS	PFBA	PFDS	PFDA	PFDoA	PFHpS	PFHpA	PFHxS	PFHxA	PFNS	PFNA	FOSA	PFPeS	PFFeA	PFTeA	PFTriA	PFUnA		
Provisional Residential SCTL (µg/kg)					1,300	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Provisional Industrial SCTL (µg/kg)					25,000	25,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Provisional Leachability SCTL (µg/kg)					7	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hazmat Field Area	SB-263	SB-263 (0-0.5')	4/8/2020	0-0.5	1.0	0.21 I	0.21 U	0.42 U	0.21 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.13 I	0.10 U	0.10 U	0.21 U	0.12 I	0.21 U	0.10 U	0.19 I	NA	0.10 U	0.42 U	0.10 U	0.10 U	0.10 U	0.10 U	
		SB-263 (0.5-2')	4/8/2020	0.5-2	0.21 I	0.10 U	0.20 U	0.40 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.40 U	0.10 U	0.10 U	0.10 U	0.10 U
		SB-263 (2-4')	4/8/2020	2-4	0.20 U	0.10 U	0.20 U	0.40 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.40 U	0.10 U	0.10 U	0.10 U	0.10 U
	SB-264	SB-264 (0-0.5')	4/8/2020	0-0.5	0.61 I	0.28 I	0.18 U	0.37 U	0.18 U	0.09 U	0.09 U	NA	0.09 U	0.14 I	0.09 U	0.09 U	0.19 I	0.09 U	0.18 U	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.37 U	0.09 U	0.09 U	0.09 U	0.09 U	
		SB-264 (0.5-2')	4/8/2020	0.5-2	0.21 U	0.10 U	0.21 U	0.42 U	0.21 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.21 U	0.10 U	0.21 U	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.42 U	0.10 U	0.10 U	0.10 U	
		SB-264 (2-4')	4/8/2020	2-4	0.27 U	0.14 I	0.27 U	0.54 U	0.27 U	0.14 U	0.14 U	0.14 U	NA	0.14 U	0.14 U	0.14 U	0.14 U	0.27 U	0.14 U	0.27 U	0.14 U	0.14 U	0.14 U	NA	0.14 U	0.54 U	0.14 U	0.14 U	0.14 U	
	SB-267	SB-267 (0-0.5')	4/8/2020	0-0.5	0.98	9.0	0.21 U	0.43 U	23	0.11 U	0.11 U	0.11 U	NA	0.11 U	5.1	1.2	0.11 U	7.6	0.11 U	2.7	0.11 U	8.9	NA	0.11 U	4.2	0.41 I	0.35 I	1.5		
		SB-267 (0.5-2')	4/8/2020	0.5-2	0.20 U	8.4	0.20 U	0.39 U	3.6	0.10 U	0.10 U	0.10 U	NA	0.10 U	0.11 I	0.10 U	0.10 U	6.4	0.10 U	0.83	0.10 U	4.7	NA	0.10 U	0.53 I	0.10 U	0.10 U	0.10 U		
		SB-267 (2-4')	4/8/2020	2-4	0.24 U	4.3	0.24 U	0.49 U	0.38 I	0.12 U	0.12 U	0.12 U	NA	0.12 U	0.12 U	0.12 U	0.12 U	2.6	0.12 U	1.1	0.12 U	0.83	NA	0.12 U	1.5 I	0.12 U	0.12 U	0.12 U		
	SB-C-1	SB-C-1 (0-0.5')	4/8/2020	0-0.5	13	1.4	0.19 U	0.39 U	14	0.10 U	0.10 U	0.10 U	NA	0.80	3.4	2.0	0.10 U	0.95	0.93	0.23 I	0.70	1.2	NA	0.10 U	0.59 I	0.39	1.8	4.0		
		SB-C-1 (0.5-2')	4/8/2020	0.5-2	39	2.7	0.18 U	0.36 U	38	0.09 U	0.09 U	0.09 U	NA	0.09 U	1.3	0.09 U	0.60	0.94	2.8	0.23 I	0.64	4.9	NA	0.09 U	0.36 U	0.09 U	0.09 U	0.53		
		SB-C-1 (2-4')	4/8/2020	2-4	56	2.4	0.19 U	0.38 U	4.3	0.09 U	0.09 U	0.09 U	NA	0.09 U	0.09 U	0.09 U	0.31 I	0.94	2.5	0.19 U	0.09 U	1.8	NA	0.09 U	0.38 U	0.09 U	0.09 U	0.09 U		

Notes:

- Results and screening criteria are presented in micrograms per kilogram (µg/kg).
- ft BLS indicates feet below land surface.
- L indicates that the actual value is known to be greater than the value given.
- U indicates material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
- I indicates result is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J indicates an estimated value and/or the analysis did not meet established quality control criteria.
- NA indicates that the sample was not analyzed for that constituent.
- Grey shaded, bold text indicates an exceedance of the FDEP provisional leachability SCTL.
- Yellow shaded, bold text indicates an exceedance of the FDEP provisional residential SCTL.
- Orange shaded, bold text indicates an exceedance of the FDEP provisional industrial SCTL.
- "-" indicates no screening criteria.

Analyte	Acronym
Perfluorooctanesulfonic acid	PFOS
Perfluorooctanoic acid	PFOA
4:2 Fluorotelomer sulfonate	4:2 FTS
6:2 Fluorotelomer sulfonate	6:2 FTS
8:2 Fluorotelomer sulfonate	8:2 FTS
N-ethylperfluorooctanesulfonamidoacetic acid	NEtFOSAA
N-methylperfluorooctanesulfonamidoacetic acid	NMeFOSAA
Perfluorobutanesulfonic acid	PFBS
Perfluorodecane sulfonic acid	PFDS
Perfluorodecanoic acid	PFDA
Perfluorododecanoic acid	PFDoA
Perfluoroheptanesulfonic acid	PFHpS
Perfluoroheptanoic acid	PFHpA
Perfluorohexanesulfonic acid	PFHxS
Perfluorohexanoic acid	PFHxA
Perfluorononanesulfonic acid	PFNS
Perfluorononanoic acid	PFNA
Perfluoropentanesulfonic acid	PFPeS
Perfluoropentanoic acid	PFFeA
Perfluorotetradecanoic acid	PFTeA
Perfluorotridecanoic acid	PFTriA
Perfluoroundecanoic acid	PFUnA

FIGURES



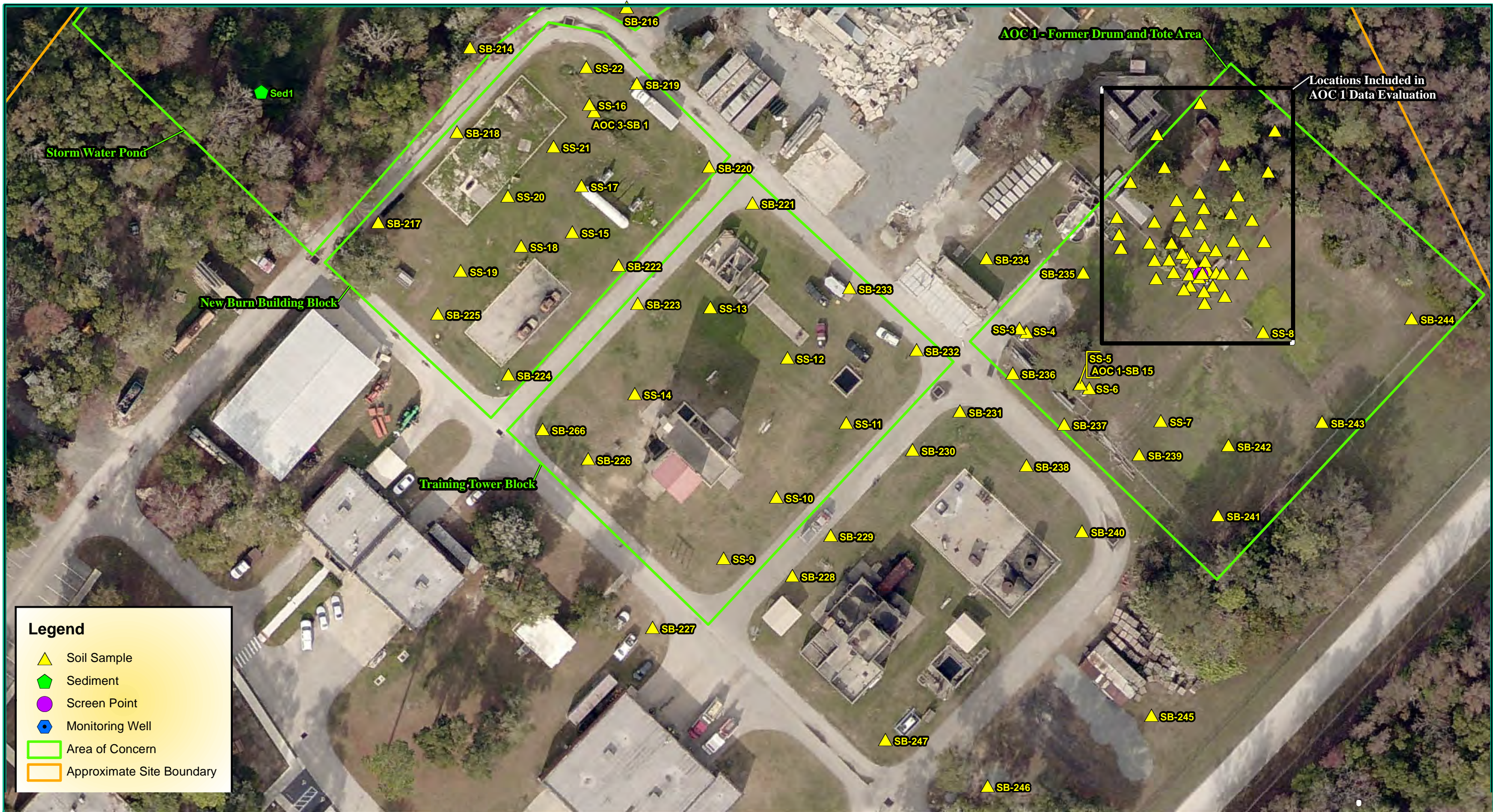
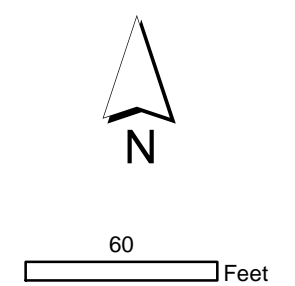
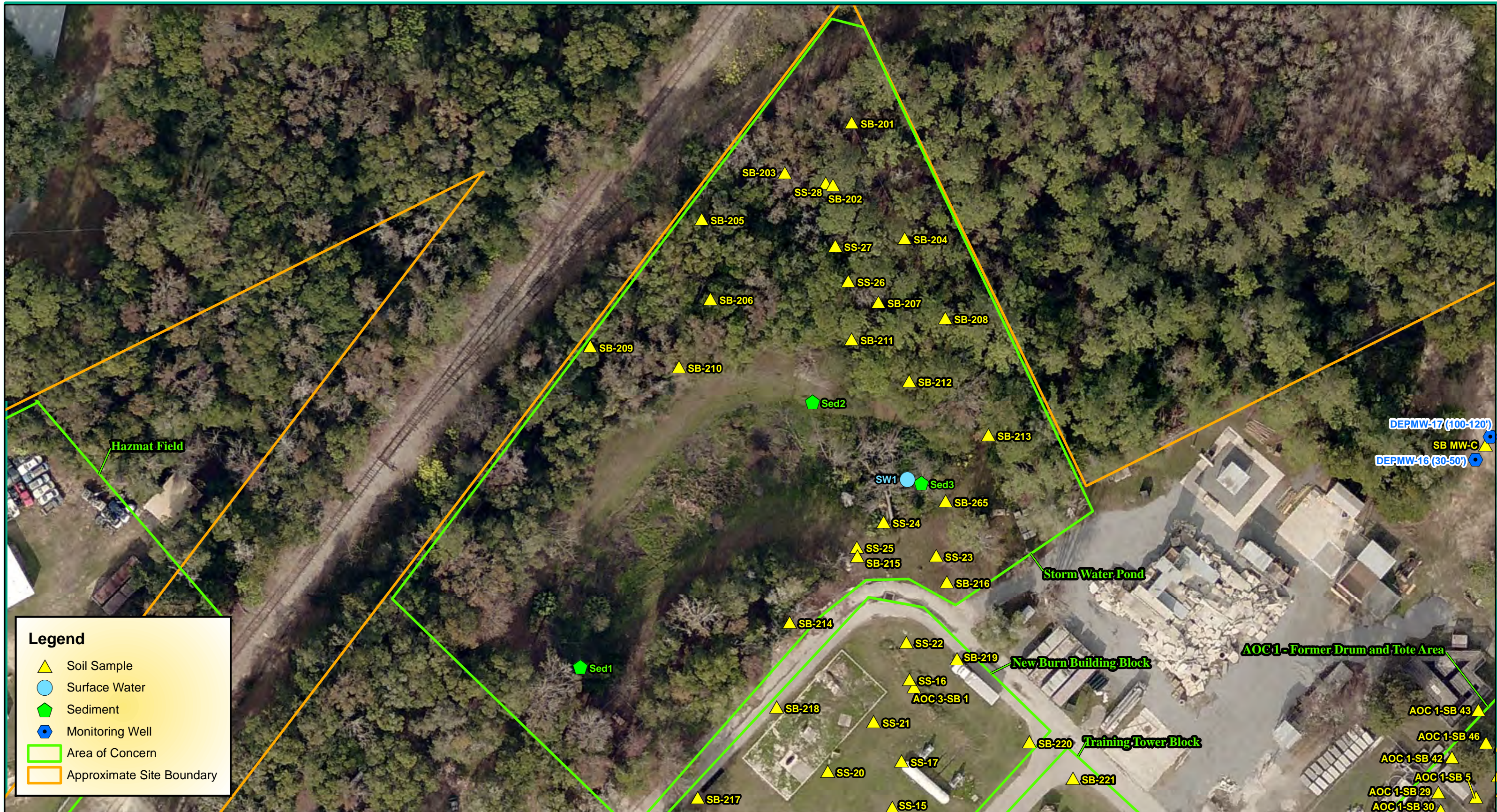


Figure 2 Sampling Locations in New Burn Building Block, Training Tower Block, and Former Drum and Tote (AOC 1) Areas Florida State Fire College 11655 NW Gainesville Road Ocala, Marion County, Florida

Notes:
 1. AOC indicates area of concern.
 2. ft BLS indicates feet below land surface.
 3. Screen interval is presented in feet (') below land surface.
 4. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Date: July 13, 2020







Legend





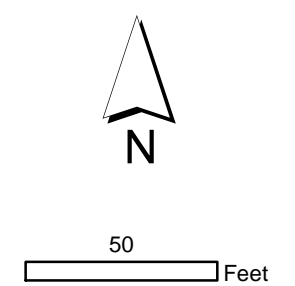
-  Soil Sample
-  Monitoring Well
-  Area of Concern
-  Approximate Site Boundary

Figure 4 Sampling Locations in Hazmat Field Area
Florida State Fire College
11655 NW Gainesville Road
Ocala, Marion County, Florida

- Notes:**
1. AOC indicates area of concern.
 2. ft BLS indicates feet below land surface.
 3. Screen interval is presented in feet (') below land surface.
 4. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Date: July 13, 2020



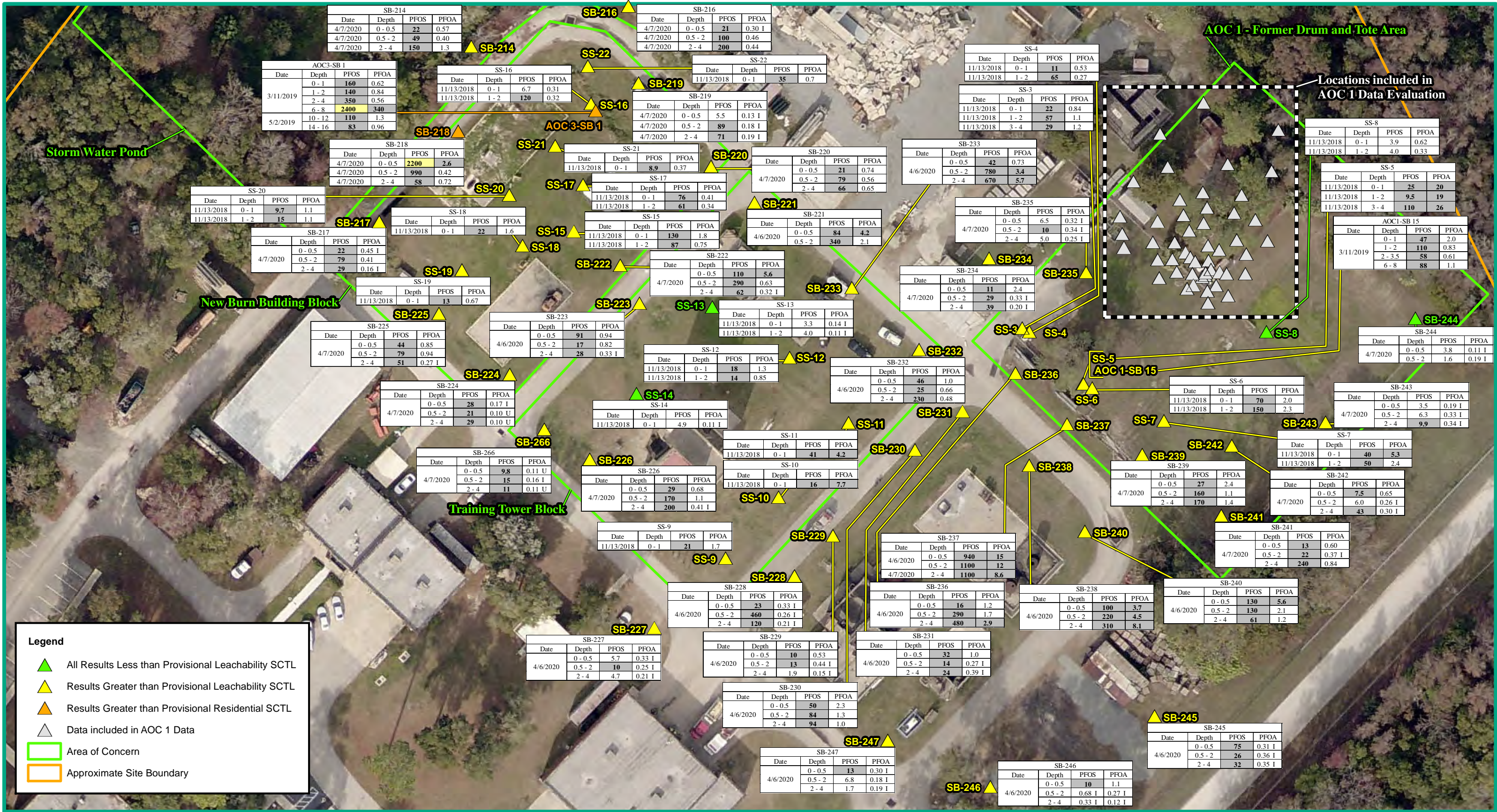
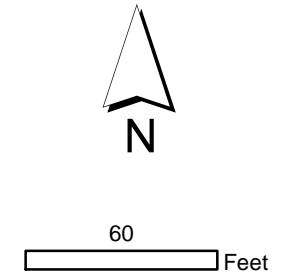



Figure 5
Summary of Analytical Results in Soil
New Burn Building Block, Training Tower Block, and
Former Drum and Tote (AOC 1) Areas
Florida State Fire College
11655 NW Gainesville Road
Ocala, Marion County, Florida

Notes:

- Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{kg}$).
- I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
- U indicates that the compound was analyzed for but not detected (the MDL is shown).
- Depth is presented in feet (ft) below land surface (BLS).
- Gray shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection (FDEP) provisional leachability soil cleanup target level (SCTL).
- Yellow shaded, bold text indicates an exceedance of the FDEP provisional residential SCTL.
- AOC indicates area of concern.
- Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)
Leachability SCTL	7	2
Residential SCTL	1300	1300
Industrial SCTL	25000	25000



Date: July 13, 2020



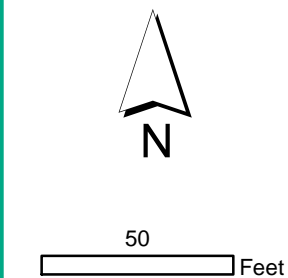


Figure 7
Summary of Analytical Results in Soil
Hazmat Field Area
Florida State Fire College
11655 NW Gainesville Road
Ocala, Marion County, Florida

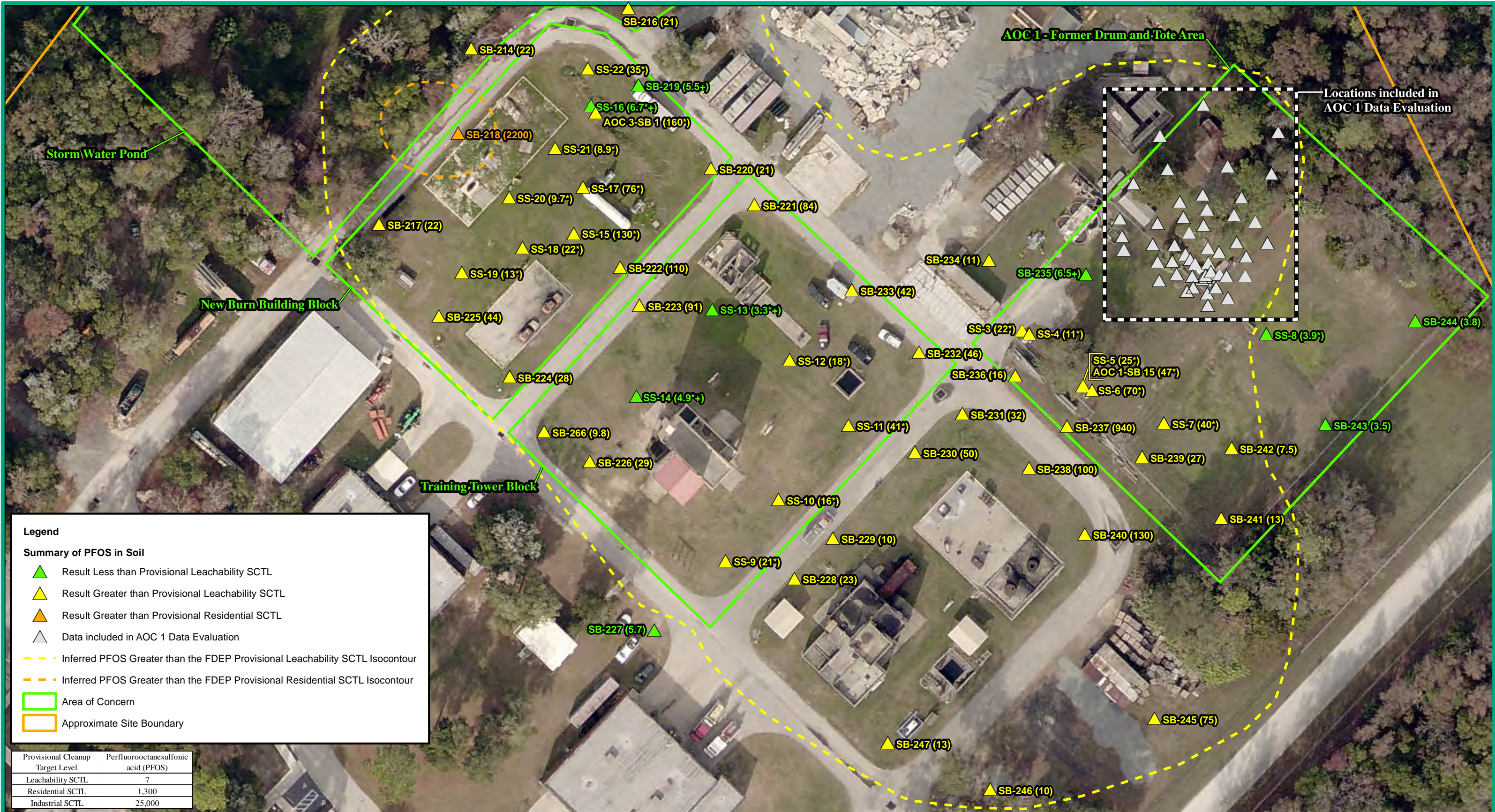
Notes:

1. Results and screening criteria are presented in micrograms per kilogram (µg/Kg).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. U indicates that the compound was analyzed for but not detected (the MDL is shown).
4. Depth is presented in feet (ft) below land surface (BLS).
5. Gray shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection provisional leachability soil cleanup target level (SCTL).
6. AOC indicates area of concern.
7. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)
Leachability SCTL	7	2
Residential SCTL	1300	1300
Industrial SCTL	25000	25000



Date: July 13, 2020



Legend

Summary of PFOS in Soil

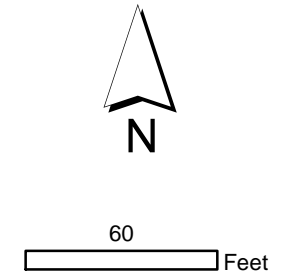
- ▲ Result Less than Provisional Leachability SCTL
- ▲ Result Greater than Provisional Leachability SCTL
- ▲ Result Greater than Provisional Residential SCTL
- ▲ Data included in AOC 1 Data Evaluation
- - - Inferred PFOS Greater than the FDEP Provisional Leachability SCTL Isocontour
- - - Inferred PFOS Greater than the FDEP Provisional Residential SCTL Isocontour
- Area of Concern
- Approximate Site Boundary

Provisional Cleanup Target Level	Perfluorooctanesulfonic acid (PFOS)
Leachability SCTL	7
Residential SCTL	1,300
Industrial SCTL	25,000

Figure 8 Summary of PFOS in Soil from 0 to 0.5 ft BLS in New Burn Building Block, Training Tower Block, and Former Drum and Tote (AOC 1) Areas Florida State Fire College 11655 NW Gainesville Road Ocala, Marion County, Florida

Notes:

1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{Kg}$).
2. * indicates location was collected during 2018 and 2019 preliminary assessment activities from 0 to 1 feet (ft) below land surface (BLS).
3. + indicates value not used to generate contour.
4. SCTL indicates soil cleanup target level.
5. AOC indicates area of concern.
6. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



Date: July 14, 2020

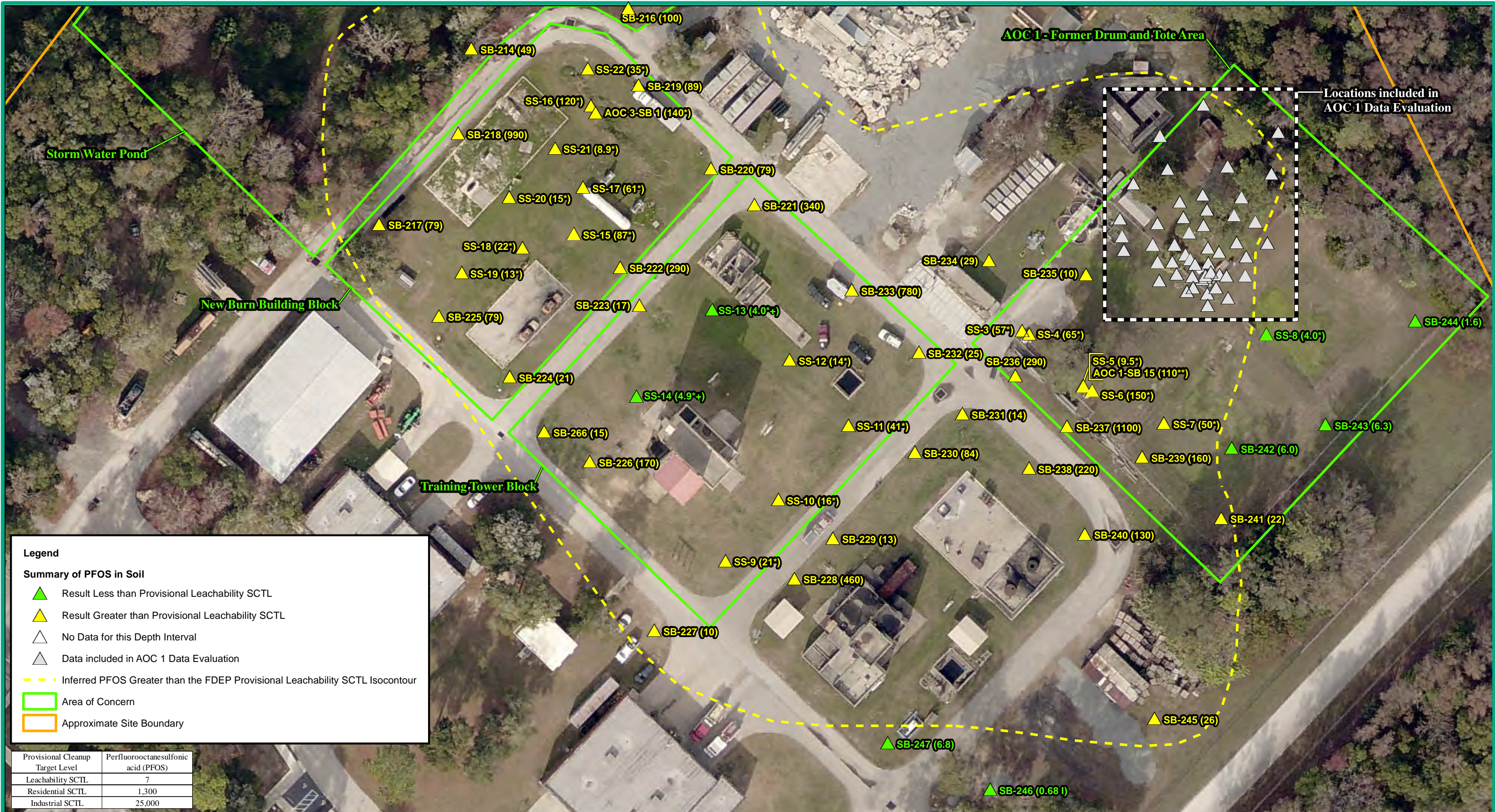
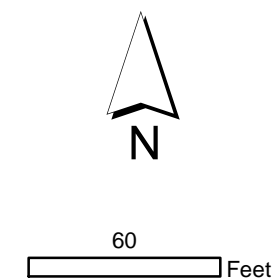
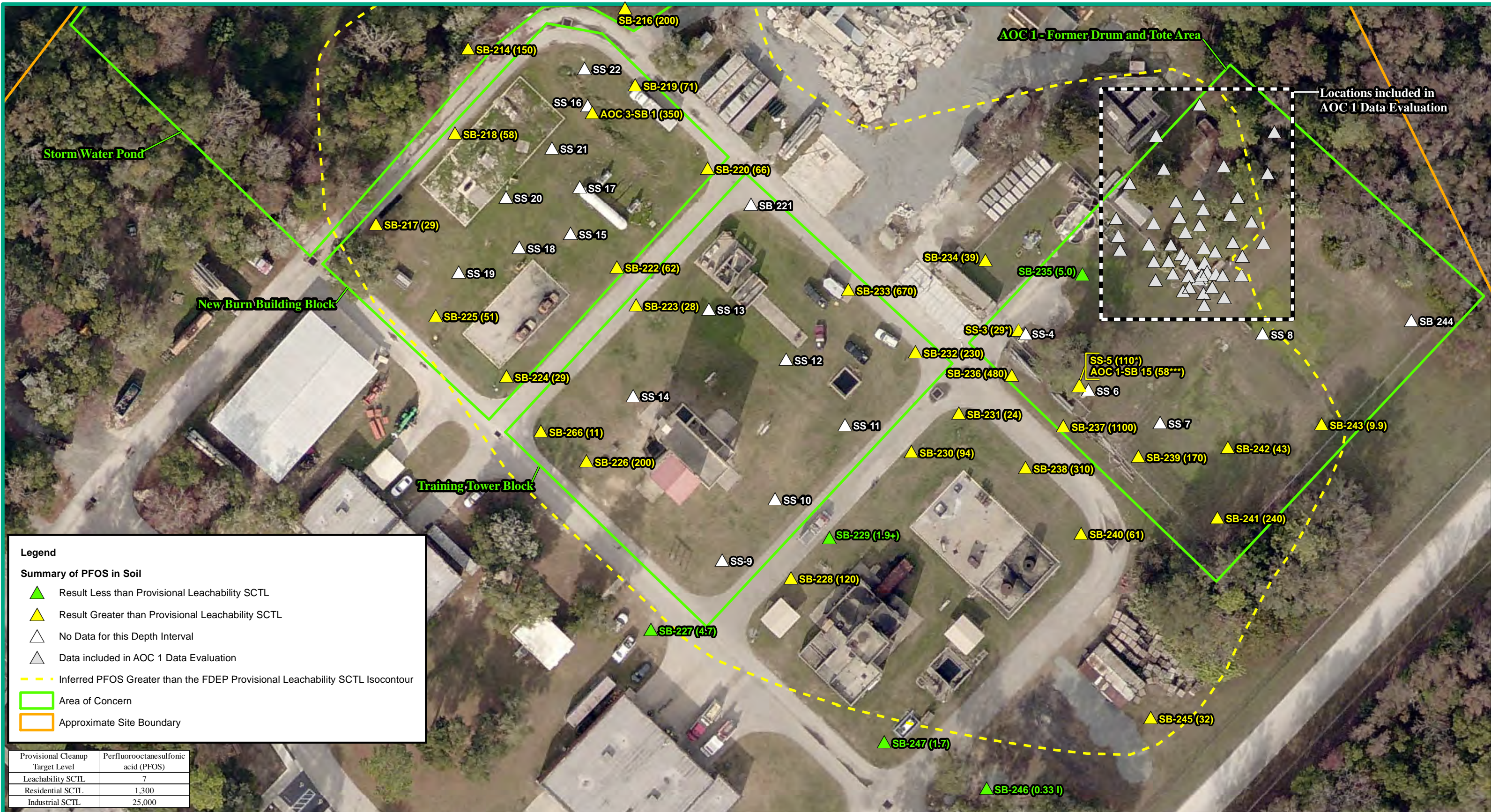


Figure 9 Summary of PFOS in Soil from 0.5 to 2 ft BLS in New Burn Building Block, Training Tower Block, and Former Drum and Tote (AOC 1) Areas Florida State Fire College 11655 NW Gainesville Road Ocala, Marion County, Florida

Date: July 15, 2020





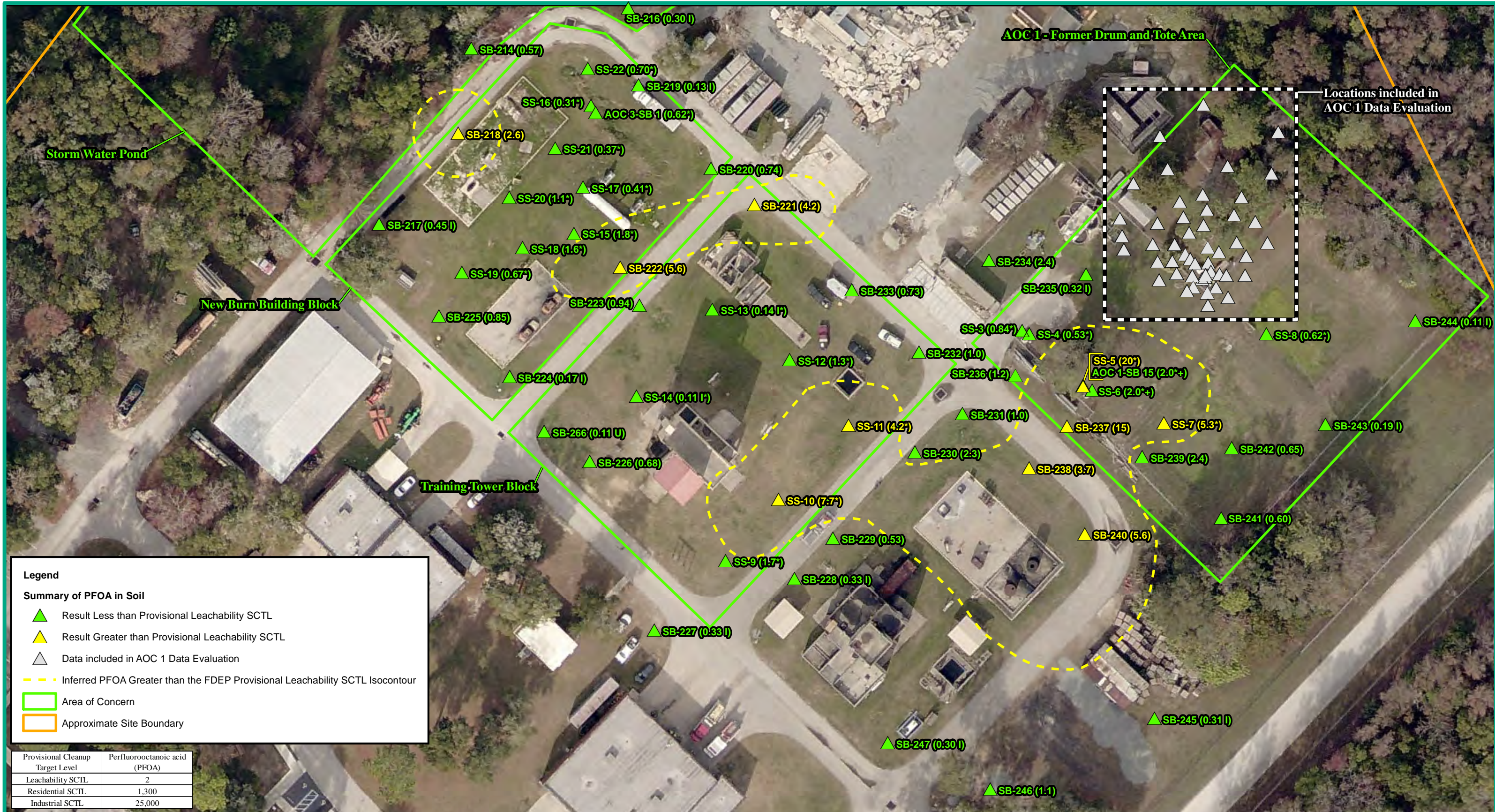
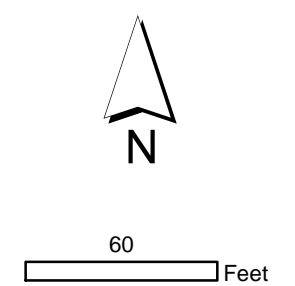


Figure 11 Summary of PFOA in Soil from 0 to 0.5 ft BLS in New Burn Building Block, Training Tower Block, and Former Drum and Tote (AOC 1) Areas Florida State Fire College 11655 NW Gainesville Road Ocala, Marion County, Florida

Date: July 13, 2020



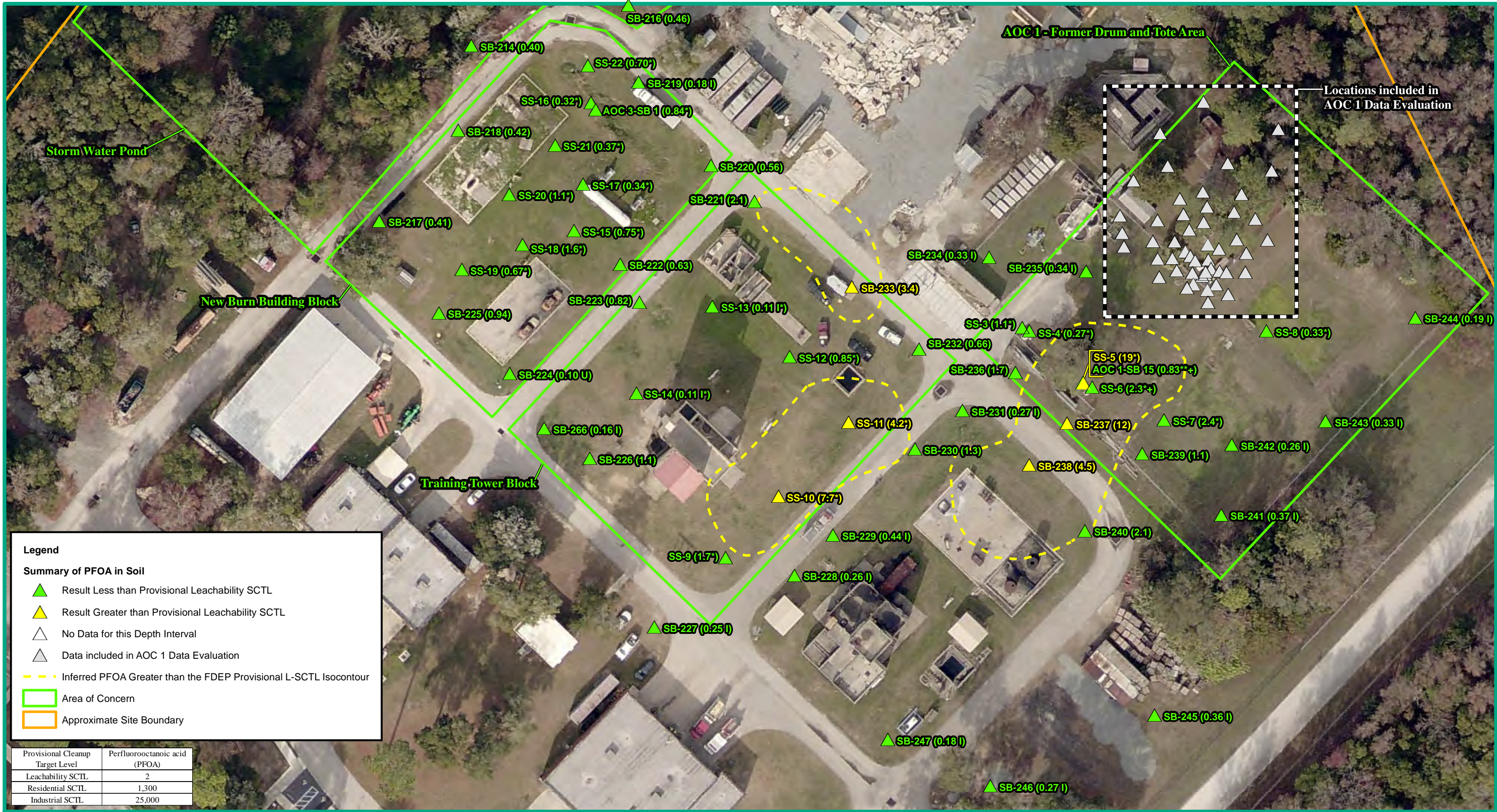
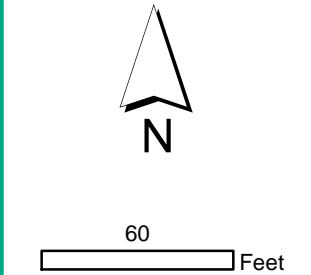


Figure 12 Summary of PFOA in Soil from 0.5 to 2 ft BLS in New Burn Building Block, Training Tower Block, and Former Drum and Tote (AOC 1) Areas Florida State Fire College 11655 NW Gainesville Road Ocala, Marion County, Florida

Notes:

1. Results and screening criteria are presented in micograms per kilogram ($\mu\text{g}/\text{Kg}$).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. U indicates that the compound was analyzed for but not detected (the laboratory MDL is shown).
4. * indicates location was collected during 2018 and 2019 preliminary assessment activities from 0 to 1 or 1 to 2 feet (ft) below land surface (BLS).
5. ** location was collected during 2019 preliminary assessment activities from 0 to 2 ft BLS.
6. + indicates value not used to generate contour.
7. SCTL indicates soil cleanup target level.
8. AOC indicates area of concern.
9. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



Date: July 14, 2020

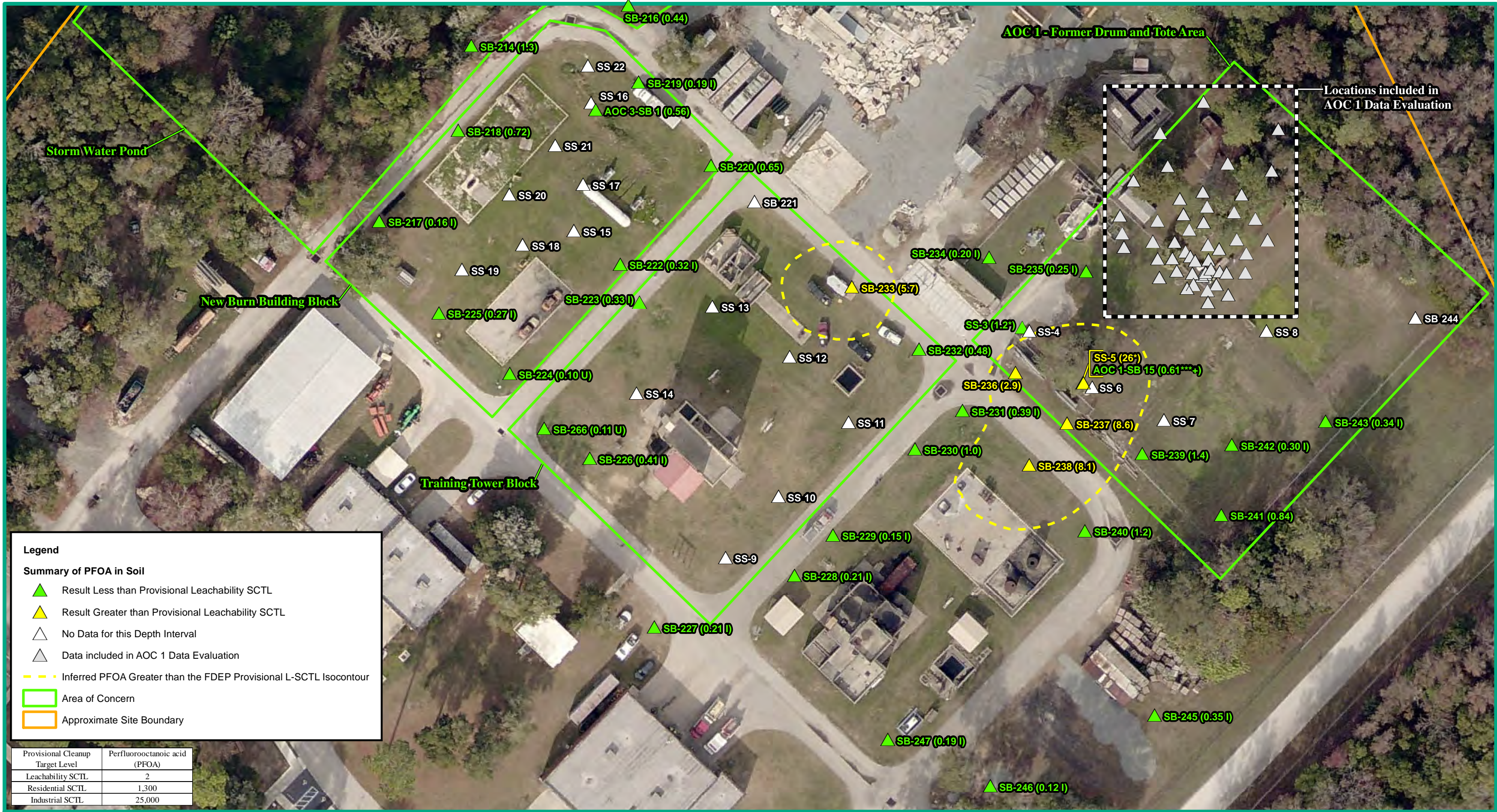
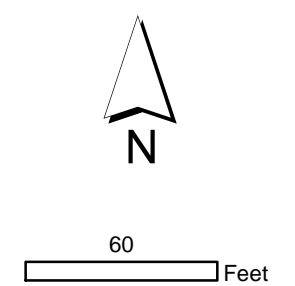
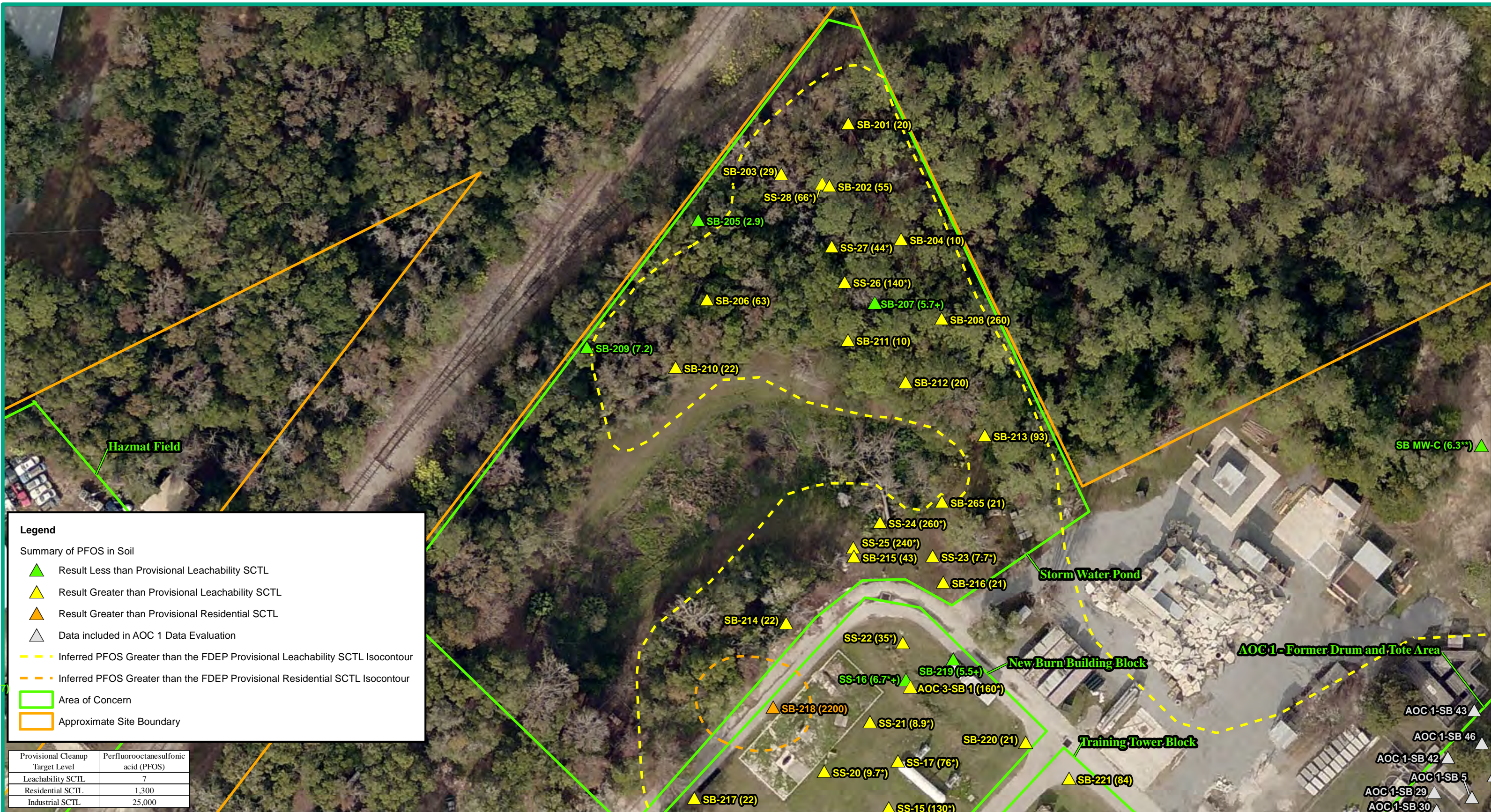


Figure 13 Summary of PFOA in Soil from 2 to 4 ft BLS in New Burn Building Block, Training Tower Block, and Former Drum and Tote (AOC 1) Areas Florida State Fire College 11655 NW Gainesville Road Ocala, Marion County, Florida

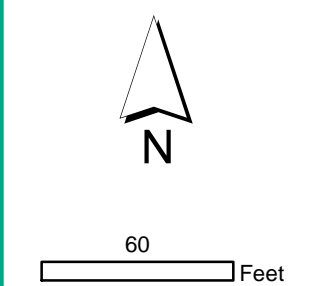
Date: July 14, 2020



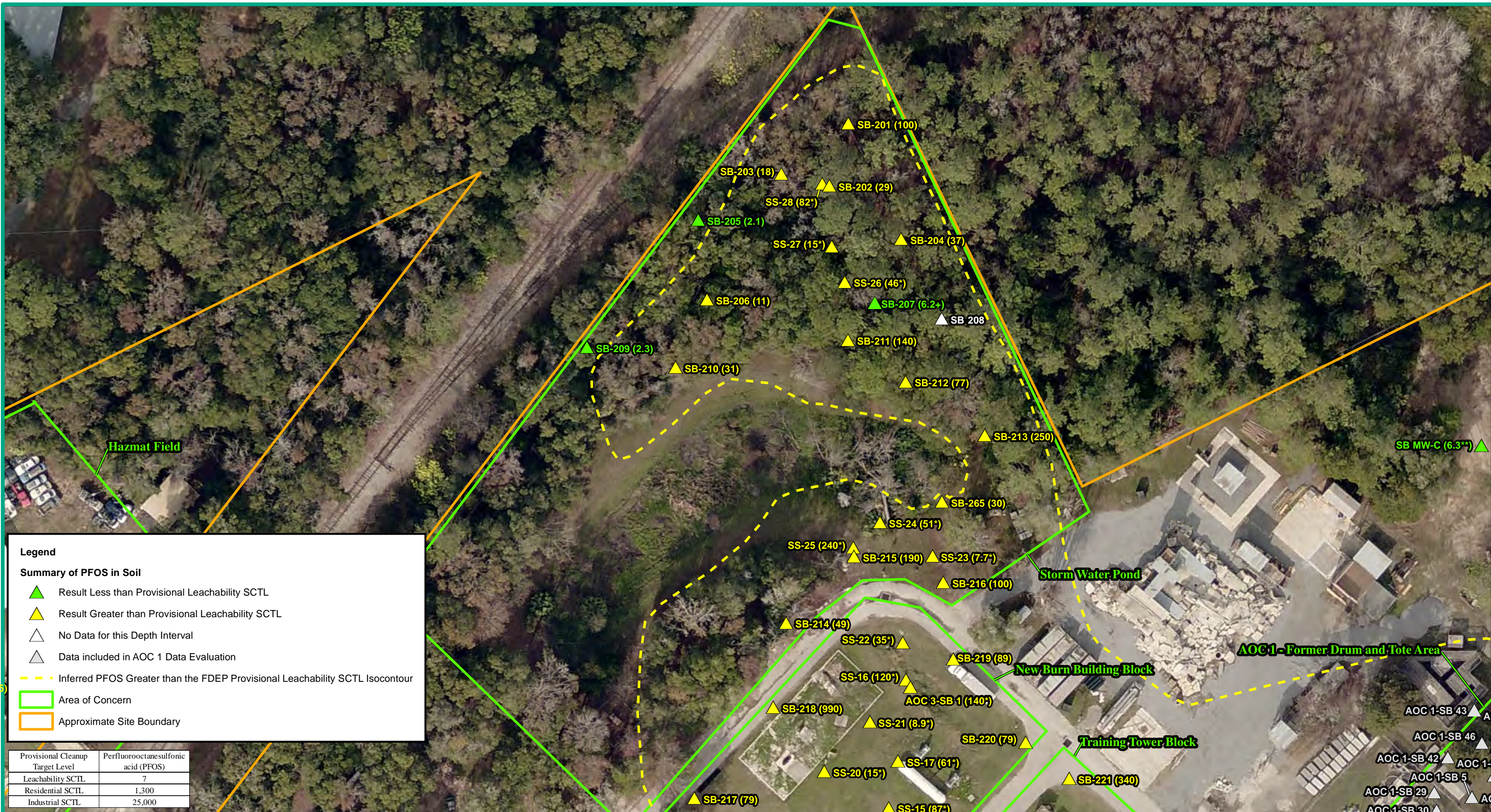


Notes:

1. Results and screening criteria are presented in micograms per kilogram ($\mu\text{g}/\text{kg}$).
2. * indicates location was collected during 2018 and 2019 preliminary assessment activities from 0 to 1 feet (ft) below land surface (BLS).
3. ** indicates location was collected during 2019 preliminary assessment activities from 0 to 2 ft BLS.
4. + indicates value not used to generate contour.
5. SCTL indicates soil cleanup target level.
6. AOC indicates area of concern.
7. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



Date: July 14, 2020



Legend

Summary of PFOS in Soil

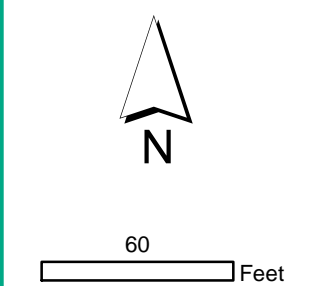
- ▲ Result Less than Provisional Leachability SCTL
- ▲ Result Greater than Provisional Leachability SCTL
- △ No Data for this Depth Interval
- △ Data included in AOC 1 Data Evaluation
- - - Inferred PFOS Greater than the FDEP Provisional Leachability SCTL Isocontour
- Area of Concern
- Approximate Site Boundary

Provisional Cleanup Target Level	Perfluorooctanesulfonic acid (PFOS)
Leachability SCTL	7
Residential SCTL	1,300
Industrial SCTL	25,000

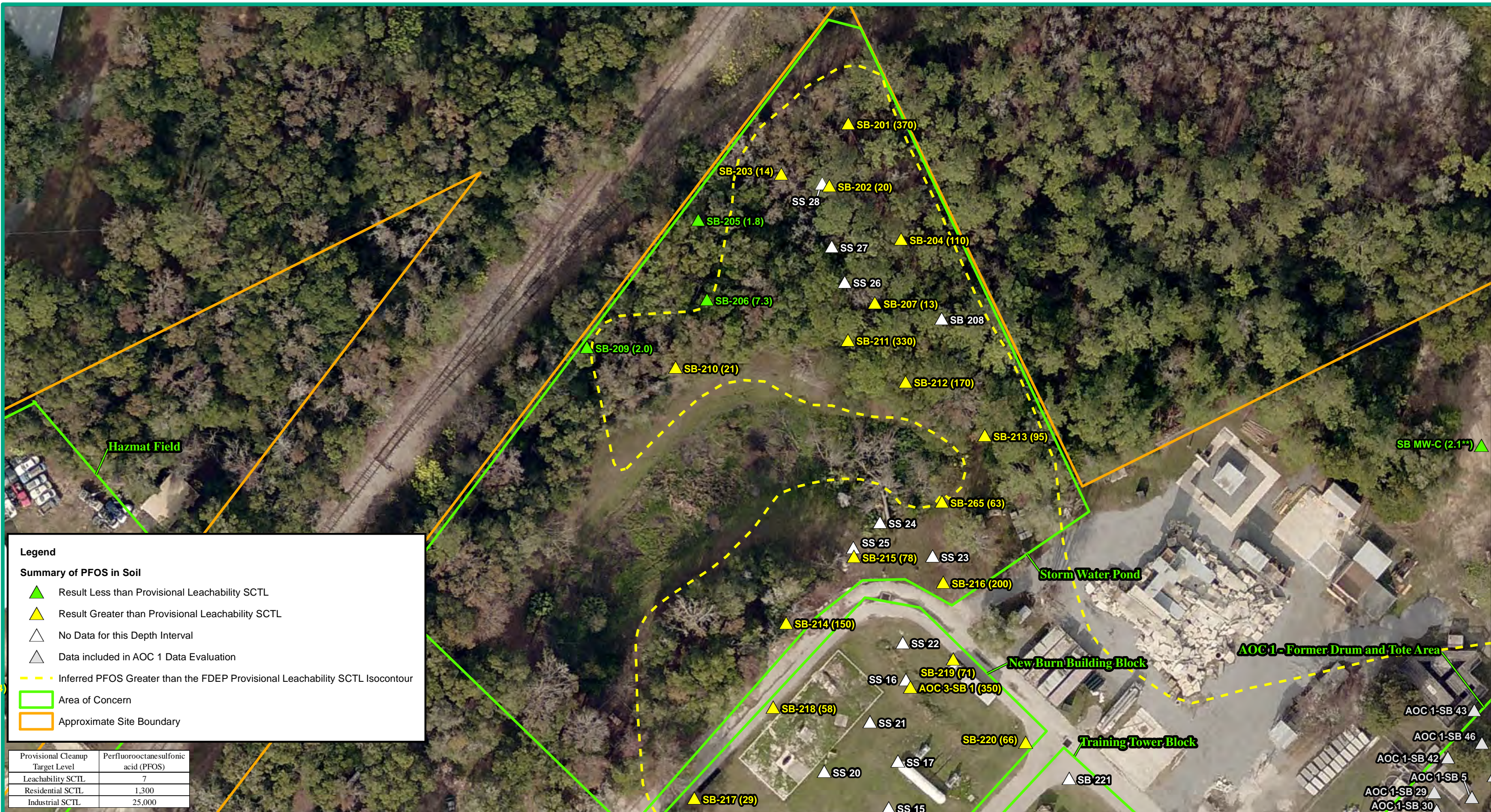
Figure 15 Summary of PFOS in Soil from 0.5 to 2 ft BLS in Storm Water Pond and New Burn Building Block Areas Florida State Fire College 11655 NW Gainesville Road Ocala, Marion County, Florida

Notes:

1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{Kg}$).
2. * indicates location was collected during 2018 and 2019 preliminary assessment activities from 0 to 1 or 1 to 2 feet (ft) below land surface (BLS).
3. ** indicates location was collected during 2019 preliminary assessment activities from 0 to 2 ft BLS.
4. + indicates value not used to generate contour.
5. SCTL indicates soil cleanup target level.
6. AOC indicates area of concern.
7. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

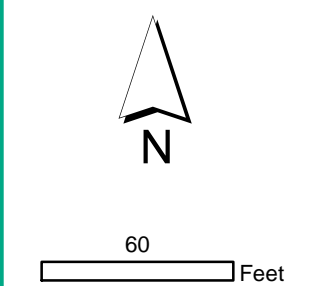


Date: July 14, 2020

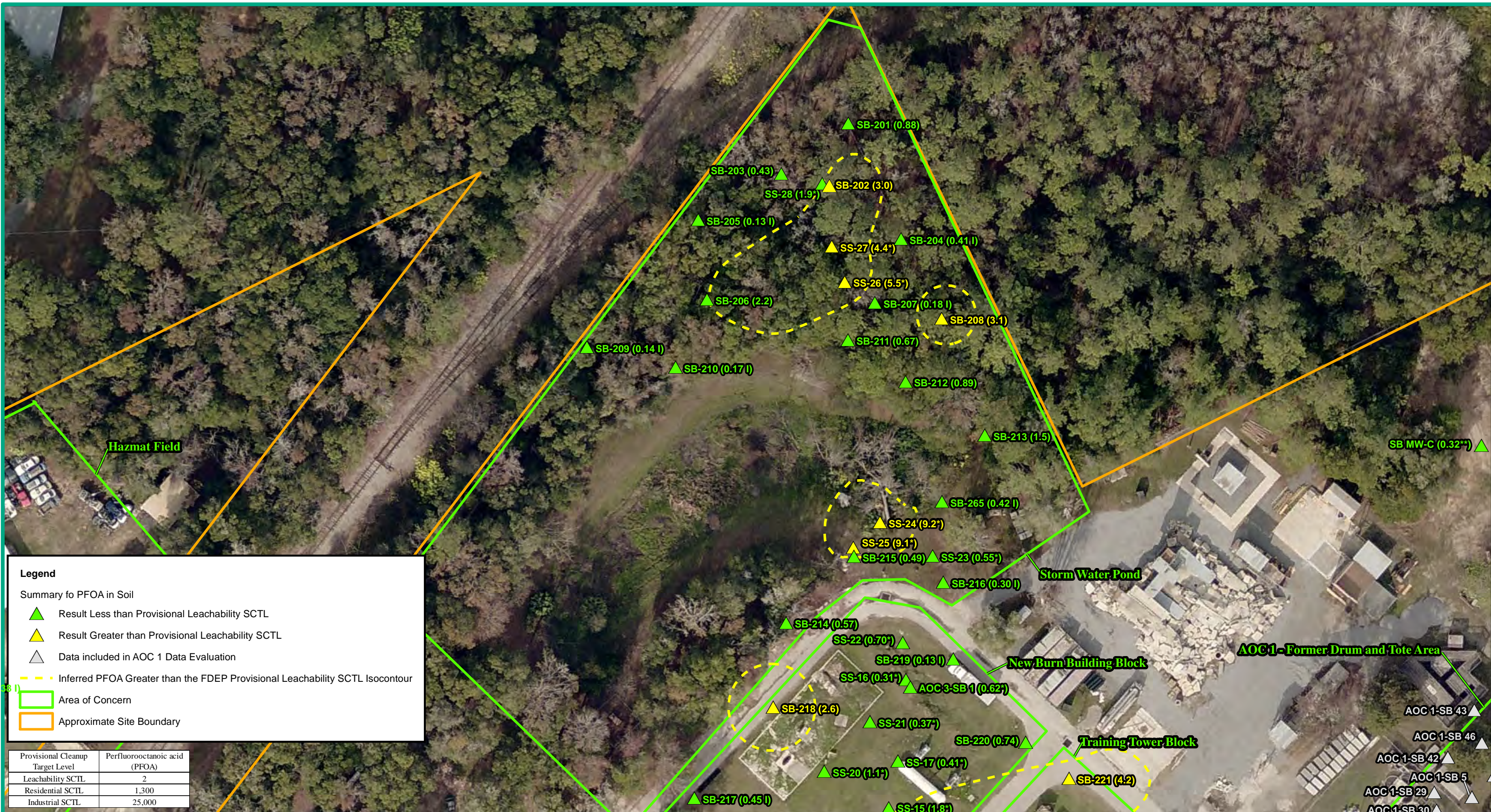


Notes:

1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{Kg}$).
2. ** indicates location was collected during 2019 preliminary assessment activities from 2 to 4 feet (ft) below land surface (BLS).
3. SCTL indicates soil cleanup target level.
4. AOC indicates area of concern.
5. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



Date: July 14, 2020



Legend

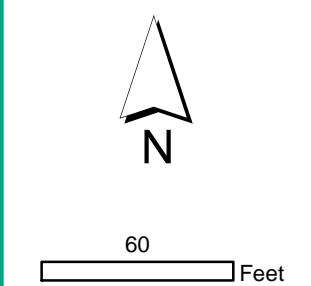
Summary fo PFOA in Soil

- ▲ Result Less than Provisional Leachability SCTL
- ▲ Result Greater than Provisional Leachability SCTL
- △ Data included in AOC 1 Data Evaluation
- - - Inferred PFOA Greater than the FDEP Provisional Leachability SCTL Isocontour
- Area of Concern
- Approximate Site Boundary

Provisional Cleanup Target Level	Perfluorooctanoic acid (PFOA)
Leachability SCTL	2
Residential SCTL	1,300
Industrial SCTL	25,000

Figure 17 Summary of PFOA in Soil from 0 to 0.5 ft BLS in Storm Water Pond and New Burn Building Block Areas Florida State Fire College 11655 NW Gainesville Road Ocala, Marion County, Florida

- Notes:**
1. Results and screening critiera are presented in micograms per kilogram ($\mu\text{g}/\text{Kg}$).
 2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
 3. * indicates location was collected during 2018 and 2019 preliminary assessment activities from 0 to 1 feet (ft) below land surface (BLS).
 4. ** indicates location was collected during 2019 preliminary assessment activities from 0 to 2 ft BLS.
 5. SCTL indicates soil cleanup target level.
 6. AOC indicates area of concern.
 7. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



Date: July 14, 2020

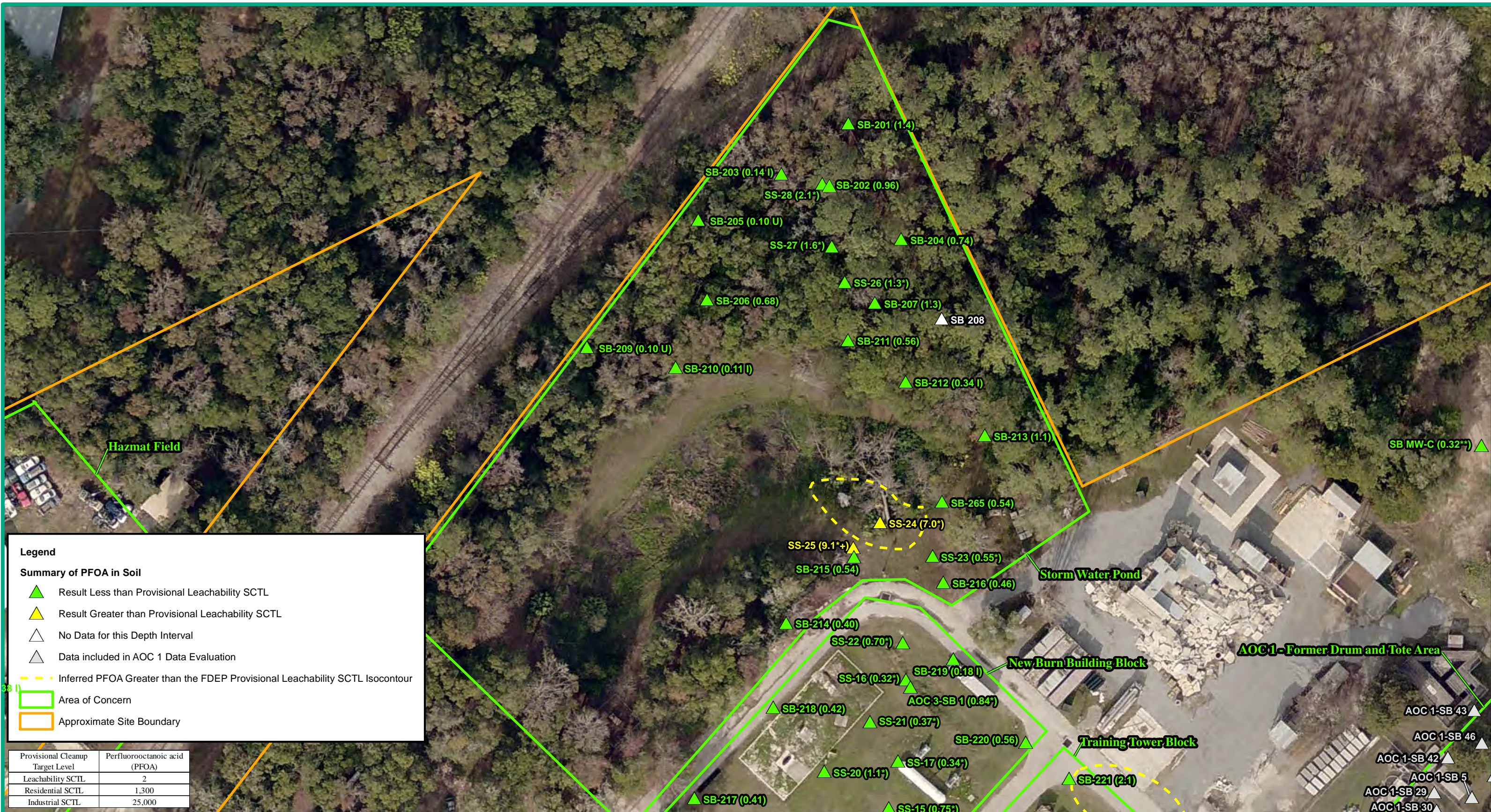
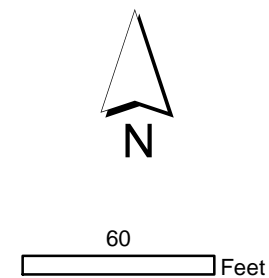


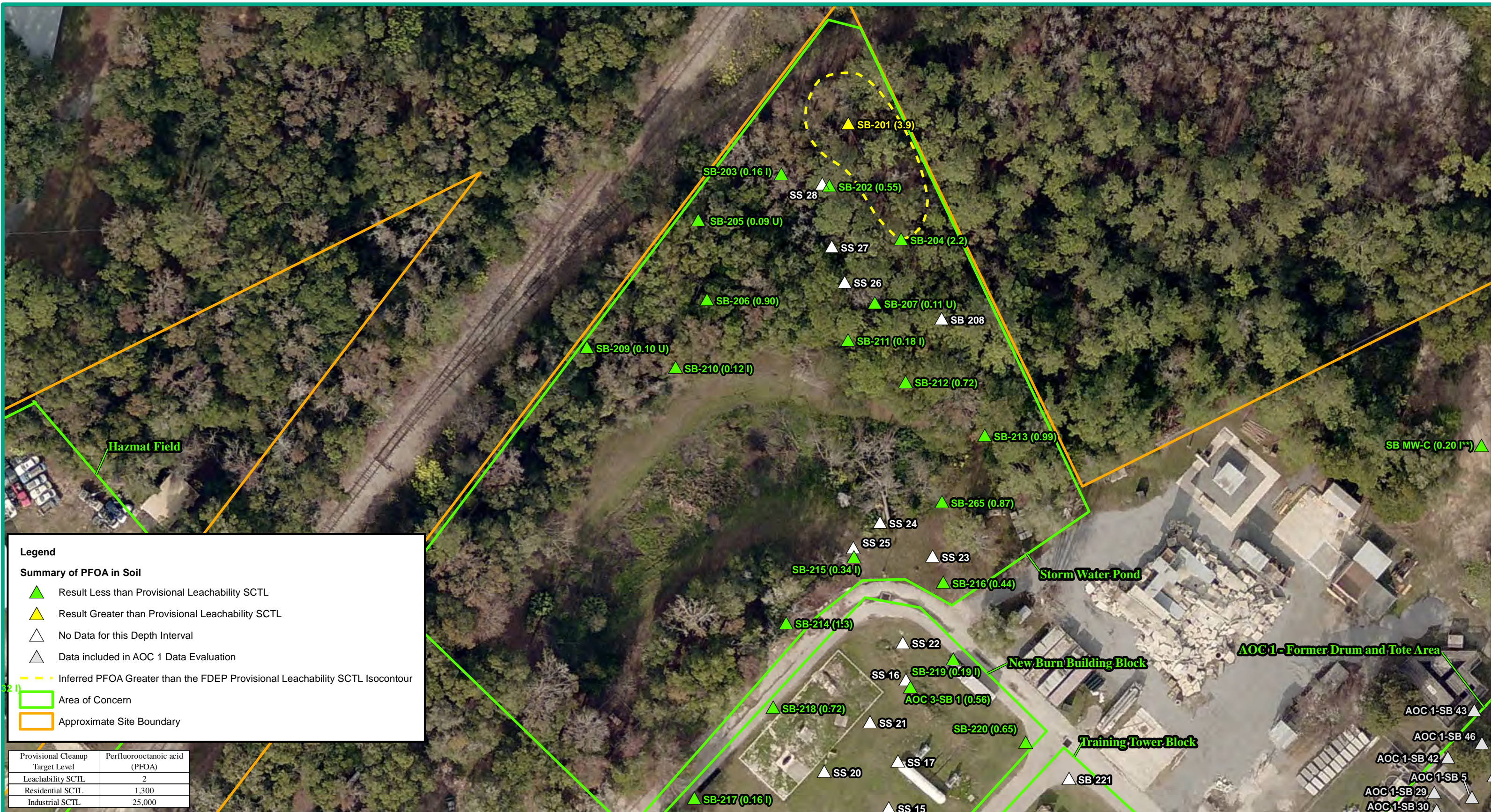
Figure 18 Summary of PFOA in Soil from 0.5 to 2 ft BLS in Storm Water Pond and New Burn Building Block Areas Florida State Fire College 11655 NW Gainesville Road Ocala, Marion County, Florida

Notes:

1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{Kg}$).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. U indicates that the compound was analyzed for but not detected (the laboratory MDL is shown).
4. * indicates location was collected during 2018 and 2019 preliminary assessment activities from 0 to 1 or 1 to 2 feet (ft) below land surface (BLS).
5. ** indicates location was collected during 2019 preliminary assessment activities from 0 to 2 ft BLS.
6. + indicates value not used to generate contour.
7. SCTL indicates soil cleanup target level.
8. AOC indicates area of concern.
9. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Date: July 14, 2020





Legend

Summary of PFOA in Soil

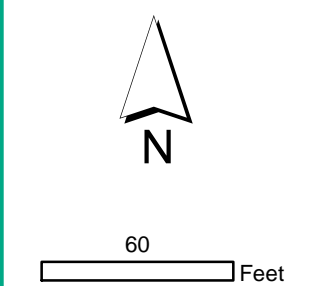
- ▲ Result Less than Provisional Leachability SCTL
- ▲ Result Greater than Provisional Leachability SCTL
- △ No Data for this Depth Interval
- △ Data included in AOC 1 Data Evaluation
- - - Inferred PFOA Greater than the FDEP Provisional Leachability SCTL Isocontour
- Area of Concern
- Approximate Site Boundary

Provisional Cleanup Target Level	Perfluorooctanoic acid (PFOA)
Leachability SCTL	2
Residential SCTL	1,300
Industrial SCTL	25,000

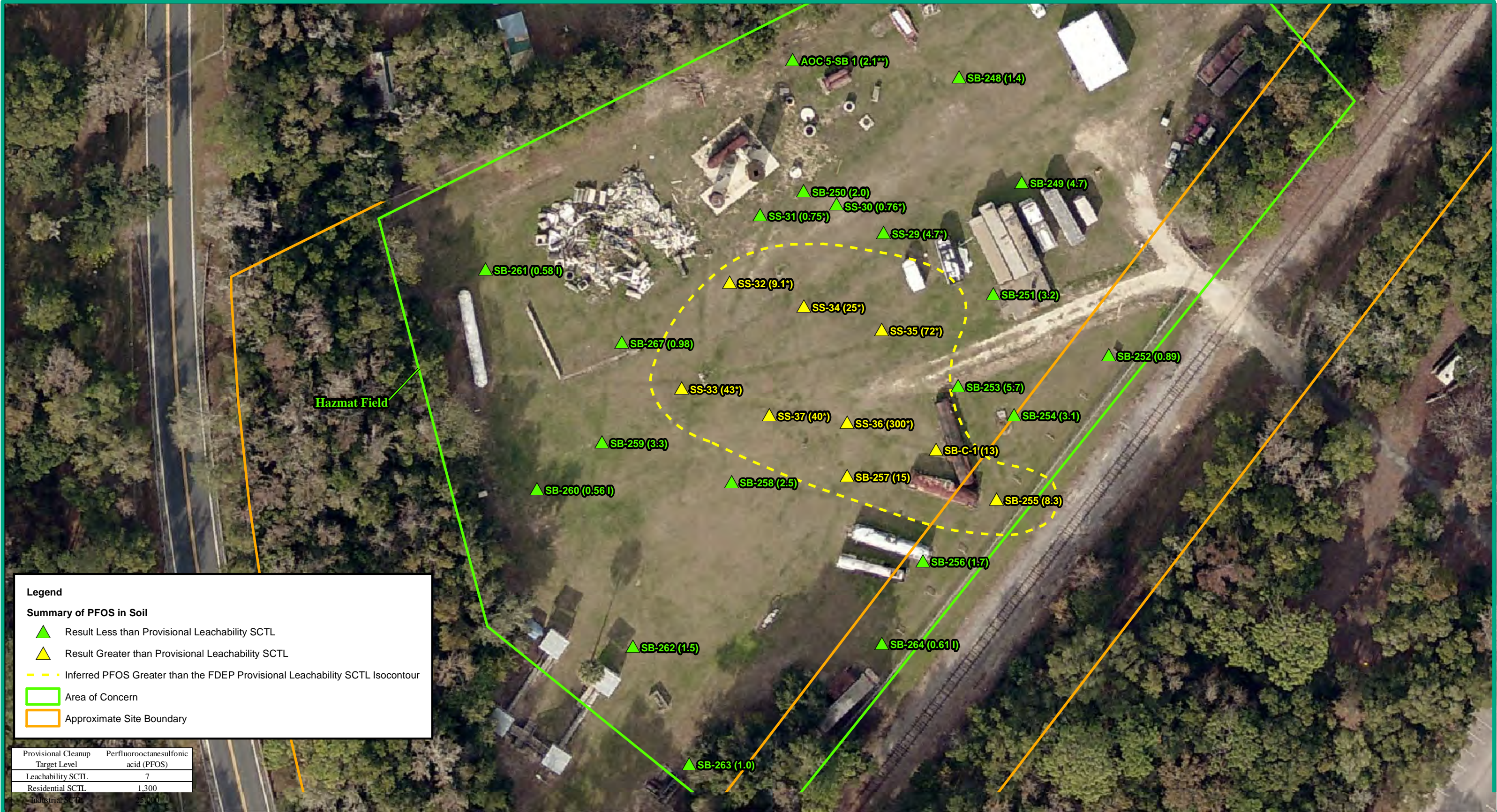
Figure 19 Summary of PFOA in Soil from 2 to 4 ft BLS in Storm Water Pond and New Burn Building Block Areas Florida State Fire College 11655 NW Gainesville Road Ocala, Marion County, Florida

Notes:

1. Results and screening criteria are presented in micograms per kilogram (µg/Kg).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. U indicates that the compound was analyzed for but not detected (the laboratory MDL is shown).
4. SCTL indicates soil cleanup target level.
5. AOC indicates area of concern.
6. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



Date: July 14, 2020



Legend

Summary of PFOS in Soil

- ▲ Result Less than Provisional Leachability SCTL
- ▲ Result Greater than Provisional Leachability SCTL
- - - Inferred PFOS Greater than the FDEP Provisional Leachability SCTL Isocontour
- ▭ Area of Concern
- ▭ Approximate Site Boundary

Provisional Cleanup Target Level	Perfluorooctanesulfonic acid (PFOS)
Leachability SCTL	7
Residential SCTL	1,300
Industrial SCTL	25,000

Figure 20 Summary of PFOS in Soil from 0 to 0.5 ft BLS in Hazmat Field Area
Florida State Fire College
11655 NW Gainesville Road
Ocala, Marion County, Florida

- Notes:**
1. Results and screening criteria are presented in micrograms per kilogram (µg/Kg).
 2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
 3. * indicates location was collected during 2018 preliminary assessment activities from 0 to 1 feet (ft) below land surface (BLS).
 4. ** indicates location was collected during 2019 preliminary assessment activities from 0 to 2 ft BLS.
 5. SCTL indicates soil cleanup target level.
 6. AOC indicates area of concern.
 7. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



50 Feet

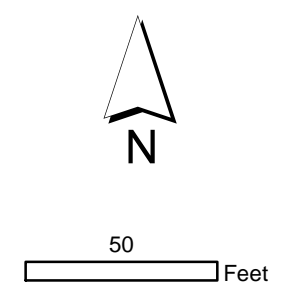


Date: July 14, 2020



Figure 21 Summary of PFOS in Soil from 0.5 to 2 ft BLS in Hazmat Field Area
Florida State Fire College
11655 NW Gainesville Road
Ocala, Marion County, Florida

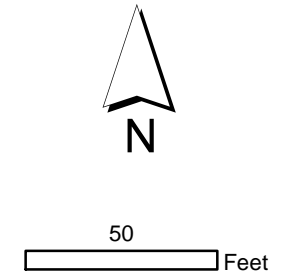
Date: July 14, 2020





Notes:

1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{Kg}$).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. U indicates that the compound was analyzed for but not detected (the laboratory MDL is shown).
4. SCTL indicates soil cleanup target level.
5. AOC indicates area of concern.
6. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



Date: July 14, 2020



Figure 23 Summary of PFOA in Soil from 0 to 0.5 ft BLS in Hazmat Field Area
Florida State Fire College
11655 NW Gainesville Road
Ocala, Marion County, Florida

Notes:

1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{kg}$).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. * indicates location was collected during 2018 preliminary assessment activities from 0 to 1 feet (ft) below land surface (BLS).
4. ** indicates location was collected during 2019 preliminary assessment activities from 0 to 2 ft BLS.
5. SCTL indicates soil cleanup target level.
6. AOC indicates area of concern.
7. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



50 Feet



Date: July 14, 2020



Notes:

1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{Kg}$).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. U indicates that the compound was analyzed for but not detected (the laboratory MDL is shown).
4. * indicates location was collected during 2018 preliminary assessment activities from 0 to 1 or 1 to 2 feet (ft) below land surface (BLS).
5. ** indicates location was collected during 2019 preliminary assessment activities from 0 to 2 ft BLS.
6. SCTL indicates soil cleanup target level.
7. AOC indicates area of concern.
8. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



50 Feet



Date: July 14, 2020



ATTACHMENT A
LABORATORY REPORT

Chemical Analysis Report

SIS-2020-04-09-01

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

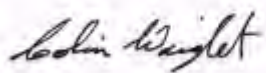
Event Description: **Florida State Fire College April**
Request ID: **RQ-2020-04-06-68**
Customer: **SIS**
Project ID: **FC-MARION**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Road
Twin Towers Bldg. MS# 4515
Tallahassee, FL 32399
Attn: David Meyers

For additional information please contact
Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Colin Wright, Program Administrator

Date Certified: 07-MAY-2020 15:45



Case Narrative

Unless otherwise noted, all samples included in this report were received in accordance with protocols referenced in Chapter 62-160, Florida Administrative Code (F.A.C.). Results published in this report pertain only to the samples as submitted to, and received by the laboratory. All times in this report are adjusted to the applicable Eastern Time Zone (EST or EDT).

Results for the following analytical group are included in this report: Pesticides.

Scientific notation may be used in reporting very large or small values. Values reported using scientific notation will take the form of the following example: 1.3E+03, which is equivalent to 1.3×10^3 or 1300.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

Results for TNI accredited tests met requirements established by The NELAC Institute. A double asterisk (**) is used to indicate an analyte/matrix/method for which the laboratory is not TNI accredited by the Florida Department of Health Environmental Laboratory Certification Program or where accreditation for that field of testing is not applicable.

Any significant anomalies or deviations from established protocols are documented in Non-Conformance Reports, which, where appropriate, are included within this analytical report. Additional comments related to specific analytical tests may be included as remarks following the analytical results for each sample. Such comments and remarks are for informational purposes only and are not intended to convey judgement about the usability of the reported data.

A quality control report on the performance of the test method for the submitted samples is included. Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published quality control acceptance limits for each analytical test. Matrix quality control results (matrix spike recoveries and matrix sample precision) pertain only to the matrix sample tested and do not necessarily reflect test method performance for other samples.

Typical matrix quality control (QC) measurements may include matrix spike recovery, matrix spike duplicate recovery, matrix spike precision and matrix sample precision. Not all matrix QC results may be available or reportable; where they are not an explanation is provided. Typical reasons for unavailable QC results include, but are not limited to, a) insufficient matrix sample to perform some or all QC measurements; b) analyte concentration in the sample replicated was too low for a meaningful measurement of precision and c) analyte concentration in the matrix sample spiked was too high (relative to the amount of analyte spiked) for a meaningful measurement of recovery. Where matrix QC results are unavailable, other method performance metrics (e.g., LCS recovery, LCS precision, surrogate recovery) may be used to assess performance of the method. Comments explaining any missing QC measurements are not intended to convey any adverse conclusions about the quality of the reported data.

Precision is reported as relative percent difference unless otherwise noted.

Quality Control codes as defined below may be used in this report to indicate results that are associated with one or more quality control elements which did not fall within established test method criteria. Such results may be qualified as estimates using a J qualifier as required by 62-160 F.A.C. Explanations are included in the report for any results that were reported as estimates for other reasons.

QC Codes used in this report may include:

- LCS – Recovery for the batch Laboratory Control Sample (LCS) was outside existing control limits;
- MS – Recovery for the batch matrix spike (MS) was outside existing control limits;
- CCV – Recovery for a continuing calibration verification (CCV) standard was outside existing control limits;
- SUR – Recovery of a surrogate (SUR) for associated analytes was outside existing control limits;
- RPD – The precision, measured as relative percent difference (RPD), of batch replicate measurements was outside existing control limits;
- RSD – The precision, measured as relative standard deviation (RSD), of batch replicate measurements was outside existing control limits;
- SMP – Sample - used precision derived from replicate analyses of a sample;

The following data qualifiers are used, where applicable, in this report as specified in 62-160 F.A.C.

- A - Value reported is the mean of two or more determinations.
- B - Results based on colony counts outside the acceptable range.
- I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J - Estimated value and/or the analysis did not meet established quality control criteria.
- K - Actual value is known to be less than value given.
- L - Actual value is known to be greater than value given.
- N - Presumptive evidence of presence of material.
- O - Sampled, but analysis lost or not performed.
- Q - Sample held beyond normal holding time.
- T - Value reported is less than the criterion of detection.
- U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
- V - Analyte was detected in both sample and method blank.
- X - Too few individuals to calculate SCI value.
- Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z - Colonies were too numerous to count (TNTC).

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 09:05

Field ID: SB-201 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169855	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.21	I	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.22	I	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.34	I	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.50	I	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	2.8		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	0.74	I	ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.53		ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	20		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	0.88		ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	1.2		ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	1.2		ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.56	I	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.21	I	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.40	I	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.19	I	ug/Kg	P381976	
Perfluorononanesulfonic acid (PFNS)**	0.23	I	ug/Kg	P381976			
Perfluorodecanesulfonic acid (PFDS)**	1.1		ug/Kg	P381976			
Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P381976			
2169867	SM 2540 G (20th)	% Solid**	90.9	A	%	P382065	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 09:11

Field ID: SB-201 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169856	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.40	I	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.26	I	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.16	U	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.60	I	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	6.4		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	1.2	I	ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.75		ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	100		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	1.4		ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.16	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.21	I	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	1.5		ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAc acid**	0.16	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAc acid**	0.16	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.65	U	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.33	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.54	I	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.65	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.50	I	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.60	I	ug/Kg	P381976	
Perfluorononanesulfonic acid (PFNS)**	0.88		ug/Kg	P381976			
Perfluorodecanesulfonic acid (PFDS)**	1.6		ug/Kg	P381976			
Hexafluoropropylene oxide dimer acid**	0.16	U	ug/Kg	P381976			
2169868	SM 2540 G (20th)	% Solid**	71.1		%	P382065	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 09:19

Field ID: SB-201 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169857	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	1.0		ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.18	U	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.18	U	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.94	I	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	26		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	1.4		ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	1.2		ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	370		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	3.9		ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.18	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.18	U	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.18	U	ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAc acid**	0.18	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAc acid**	0.18	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	1.2	I	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.35	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	1.4		ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.70	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.35	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.8		ug/Kg	P381976	
		Perfluorononanesulfonic acid (PFNS)**	0.18	U	ug/Kg	P381976	
		Perfluorodecanesulfonic acid (PFDS)**	0.18	U	ug/Kg	P381976	
		Hexafluoropropylene oxide dimer acid**	0.18	U	ug/Kg	P381976	
2169869	SM 2540 G (20th)	% Solid**	66.2		%	P382065	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 10:24

Field ID: SB-202 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169858	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.34	I	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.57		ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	1.2		ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	1.7		ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	6.2		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	1.7		ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	1.8		ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	55		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	3.0		ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.20	I	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	3.2		ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	2.8		ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAc acid**	0.15	I	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	2.0		ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.42	I	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.49	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.2		ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	I	ug/Kg	P381976	
Perfluorononanesulfonic acid (PFNS)**	0.68		ug/Kg	P381976			
Perfluorodecanesulfonic acid (PFDS)**	5.9		ug/Kg	P381976			
Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P381976			
2169870	SM 2540 G (20th)	% Solid**	83.0		%	P382065	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 10:28

Field ID: SB-202 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169859	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.18	I	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.18	I	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.52	I	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	2.6		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	0.62	I	ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.50		ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	29		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	0.96		ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.43		ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.49		ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.70	I	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	I	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.46	I	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.23	I	ug/Kg	P381976	
		Perfluorononanesulfonic acid (PFNS)**	0.18	I	ug/Kg	P381976	
		Perfluorodecanesulfonic acid (PFDS)**	0.75		ug/Kg	P381976	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P381976	
2169871	SM 2540 G (20th)	% Solid**	91.6		%	P382065	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 10:33

Field ID: SB-202 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169860	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.27	I	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	2.4		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	0.50	I	ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.31	I	ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	20		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	0.55		ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.18	I	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.31	I	ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.45	U	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	I	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.45	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.22	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.15	I	ug/Kg	P381976	
Perfluorononanesulfonic acid (PFNS)**	0.25	I	ug/Kg	P381976			
Perfluorodecanesulfonic acid (PFDS)**	0.32	I	ug/Kg	P381976			
Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P381976			
2169872	SM 2540 G (20th)	% Solid**	90.9		%	P382065	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 10:08

Field ID: SB-203 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169861	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.17	I	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.33	I	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.22	I	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	3.1		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	0.76	I	ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.61		ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	29		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	0.43		ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.17	I	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	1.4		ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.48	I	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.18	I	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.27	I	ug/Kg	P381976	
Perfluorononanesulfonic acid (PFNS)**	2.4		ug/Kg	P381976			
Perfluorodecanesulfonic acid (PFDS)**	0.90		ug/Kg	P381976			
Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P381976			
2169873	SM 2540 G (20th)	% Solid**	94.8		%	P382065	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 10:11

Field ID: SB-203 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169862	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.095	U	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.095	U	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.095	U	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.19	U	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	1.7		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	0.42	I	ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.24	I	ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	18		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	0.14	I	ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.095	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.095	U	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.17	I	ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAc acid**	0.095	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAc acid**	0.095	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.38	U	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.095	U	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.38	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.19	I	ug/Kg	P381976	
Perfluorononanesulfonic acid (PFNS)**	0.38	I	ug/Kg	P381976			
Perfluorodecanesulfonic acid (PFDS)**	0.11	I	ug/Kg	P381976			
Hexafluoropropylene oxide dimer acid**	0.095	U	ug/Kg	P381976			
2169874	SM 2540 G (20th)	% Solid**	95.1		%	P382065	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 10:13

Field ID: SB-203 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169863	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	1.9		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	0.53	I	ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.20	I	ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	14		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	0.16	I	ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.19	I	ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.19	I	ug/Kg	P381976	
Perfluorononanesulfonic acid (PFNS)**	0.42	I	ug/Kg	P381976			
Perfluorodecanesulfonic acid (PFDS)**	0.16	I	ug/Kg	P381976			
Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P381976			
2169875	SM 2540 G (20th)	% Solid**	91.1		%	P382065	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 08:40

Field ID: SB-204 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169864	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.37	I	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.17	I	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.14	U	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.28	U	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	1.9		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	1.1	I	ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.44	I	ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	10		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	0.41	I	ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.14	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.14	U	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.35	I	ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAcid**	0.14	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAcid**	0.14	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.90	I	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.28	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.28	I	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.56	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.28	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	I	ug/Kg	P381976	
		Perfluorononanesulfonic acid (PFNS)**	0.30	I	ug/Kg	P381976	
		Perfluorodecanesulfonic acid (PFDS)**	0.30	I	ug/Kg	P381976	
		Hexafluoropropylene oxide dimer acid**	0.14	U	ug/Kg	P381976	
2169876	SM 2540 G (20th)	% Solid**	79.3		%	P382065	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 08:45

Field ID: SB-204 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169865	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.94		ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.14	U	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.14	U	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.28	U	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	3.2		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	1.1	I	ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.41	I	ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	37		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	0.74		ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.14	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.14	U	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.14	U	ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAc acid**	0.14	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAc acid**	0.14	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.87	I	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.28	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.52	I	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.56	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.28	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.20	I	ug/Kg	P381976	
Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P381976			
Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P381976			
Hexafluoropropylene oxide dimer acid**	0.14	U	ug/Kg	P381976			
2169877	SM 2540 G (20th)	% Solid**	75.1	A	%	P382066	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 08:50

Field ID: SB-204 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169866	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	21		ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.15	U	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.15	U	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	1.3		ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	84		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	4.4		ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.15	U	ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	110		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	2.2		ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.15	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.15	U	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.15	U	ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAc acid**	0.15	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAc acid**	0.15	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	2.8		ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.31	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	14		ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.61	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.31	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	2.5		ug/Kg	P381976	
		Perfluorononanesulfonic acid (PFNS)**	0.15	U	ug/Kg	P381976	
		Perfluorodecanesulfonic acid (PFDS)**	0.15	U	ug/Kg	P381976	
		Hexafluoropropylene oxide dimer acid**	0.15	U	ug/Kg	P381976	
2169878	SM 2540 G (20th)	% Solid**	69.1		%	P382066	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 09:28

Field ID: SB-205 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169879	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	0.47		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	0.46	I	ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.13	I	ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	2.9		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	0.13	I	ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.41	U	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P381976	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P381976	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P381976	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P381976	
2169891	SM 2540 G (20th)	% Solid**	94.2		%	P382066	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 09:30

Field ID: SB-205 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169880	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.096	U	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.096	U	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.096	U	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.19	U	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	0.16	I	ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	0.46	I	ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.096	U	ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	2.1		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	0.096	U	ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.096	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.096	U	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.096	U	ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAcid**	0.096	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAcid**	0.096	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.38	U	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.096	U	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.38	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.096	U	ug/Kg	P381976	
Perfluorononanesulfonic acid (PFNS)**	0.096	U	ug/Kg	P381976			
Perfluorodecanesulfonic acid (PFDS)**	0.096	U	ug/Kg	P381976			
Hexafluoropropylene oxide dimer acid**	0.096	U	ug/Kg	P381976			
2169892	SM 2540 G (20th)	% Solid**	97.1		%	P382066	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 09:33

Field ID: SB-205 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169881	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.092	U	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.092	U	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.092	U	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.18	U	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	0.092	U	ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	0.42	I	ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.092	U	ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	1.8		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	0.092	U	ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.092	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.092	U	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.092	U	ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAcid**	0.092	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAcid**	0.092	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.37	U	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.18	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.092	U	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.37	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.18	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.092	U	ug/Kg	P381976	
Perfluorononanesulfonic acid (PFNS)**	0.092	U	ug/Kg	P381976			
Perfluorodecanesulfonic acid (PFDS)**	0.092	U	ug/Kg	P381976			
Hexafluoropropylene oxide dimer acid**	0.092	U	ug/Kg	P381976			
2169893	SM 2540 G (20th)	% Solid**	98.2		%	P382066	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 08:45

Field ID: SB-206 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169882	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.54		ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.29	I	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.62	I	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	3.7		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	0.94		ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.88		ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	63		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	2.2		ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.13	I	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	1.4		ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.71		ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	I	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.77	I	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.15	I	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.45	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.22	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.53		ug/Kg	P381976	
Perfluorononanesulfonic acid (PFNS)**	0.46		ug/Kg	P381976			
Perfluorodecanesulfonic acid (PFDS)**	0.63		ug/Kg	P381976			
Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P381976			
2169894	SM 2540 G (20th)	% Solid**	90.8		%	P382066	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 08:48

Field ID: SB-206 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169883	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.099	U	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.099	U	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.099	U	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	2.2		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	0.49	I	ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.11	I	ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	11		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	0.68		ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.099	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.099	U	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.099	U	ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAcid**	0.099	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAcid**	0.099	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.40	U	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.099	U	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.25	I	ug/Kg	P381976	
Perfluorononanesulfonic acid (PFNS)**	0.099	U	ug/Kg	P381976			
Perfluorodecanesulfonic acid (PFDS)**	0.099	U	ug/Kg	P381976			
Hexafluoropropylene oxide dimer acid**	0.099	U	ug/Kg	P381976			
2169895	SM 2540 G (20th)	% Solid**	97.6		%	P382066	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 08:53

Field ID: SB-206 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169884	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.30	I	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	1.0		ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.35	I	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.88	I	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	1.2		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	1.9		ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.26	I	ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	7.3		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	0.90		ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.41	I	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.17	I	ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAc acid**	0.18	I	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAc acid**	0.17	I	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	3.7		ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.46	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.18	I	ug/Kg	P381976	
Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P381976			
Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P381976			
Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P381976			
2169896	SM 2540 G (20th)	% Solid**	88.2		%	P382066	

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 16:25

Field ID: SB-207 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169885	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.22	I	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	0.19	I	ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	0.097	U	ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	0.19	U	ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	1.6		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	0.70	I	ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.17	I	ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	5.7		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	0.18	I	ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.097	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.18	I	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.28	I	ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAcid**	0.097	U	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAcid**	0.097	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	0.55	I	ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.20	I	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	I	ug/Kg	P381976	
		Perfluorononanesulfonic acid (PFNS)**	0.20	I	ug/Kg	P381976	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	I	ug/Kg	P381976	
		Hexafluoropropylene oxide dimer acid**	0.097	U	ug/Kg	P381976	
2169897	SM 2540 G (20th)	% Solid**	94.4		%	P382066	

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 16:29

Field ID: SB-207 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169886	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P381976	
		Perfluorodecanoic acid (PFDA)**	2.0		ug/Kg	P381976	
		Perfluorododecanoic acid (PFDoA)**	1.1		ug/Kg	P381976	
		Perfluoroheptanoic acid (PFHpA)**	1.0		ug/Kg	P381976	
		Perfluorohexanesulfonic acid (PFHxS)**	0.82		ug/Kg	P381976	
		Perfluorohexanoic acid (PFHxA)**	3.4		ug/Kg	P381976	
		Perfluorononanoic acid (PFNA)**	0.49		ug/Kg	P381976	
		Perfluorooctanesulfonic acid (PFOS)**	6.2		ug/Kg	P381976	
		Perfluorooctanoic acid (PFOA)**	1.3		ug/Kg	P381976	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P381976	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P381976	
		Perfluoroundecanoic acid (PFUnA)**	0.42	I	ug/Kg	P381976	
		N-Me perfluorooctanesulfonamidoAc acid**	0.29	I	ug/Kg	P381976	
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P381976	
		Perfluoropentanoic acid (PFPeA)**	14		ug/Kg	P381976	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P381976	
		Perfluoropentanesulfonic acid (PFPeS)**	0.18	I	ug/Kg	P381976	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.65	I	ug/Kg	P381976	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.24	U	ug/Kg	P381976	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P381976	
Perfluorononanesulfonic acid (PFNS)**	0.20	I	ug/Kg	P381976			
Perfluorodecanesulfonic acid (PFDS)**	0.13	I	ug/Kg	P381976			
Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P381976			
2169898	SM 2540 G (20th)	% Solid**	87.3		%	P382066	

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 16:34

Field ID: SB-207 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169887	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	1.2		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	0.26	I	ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.11	U	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	13		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.11	U	ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	0.48	I	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.46	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P381977	
2169899	SM 2540 G (20th)	% Solid**	88.4	A	%	P382067	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 16:20

Field ID: SB-208 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169888	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.68		ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	2.8		ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	4.2		ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	3.4		ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	7.0		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	3.8		ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	2.7		ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	260		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	3.1		ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	I	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	1.1		ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	9.9		ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAcid**	0.15	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAcid**	0.50	I	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	5.6		ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.29	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.61		ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.59	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	3.4		ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.45	I	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	1.6		ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	2.4		ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.15	U	ug/Kg	P381977	
2169900	SM 2540 G (20th)	% Solid**	77.1		%	P382067	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 09:13

Field ID: SB-209 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169889	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	0.48		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.10	U	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	7.2		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.14	I	ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P381977	
2169901	SM 2540 G (20th)	% Solid**	93.1		%	P382067	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 09:14

Field ID: SB-209 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169890	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.096	U	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.096	U	ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.096	U	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.19	U	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	0.18	I	ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	0.19	U	ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.096	U	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	2.3		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.096	U	ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.096	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.096	U	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.096	U	ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAcid**	0.096	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAcid**	0.096	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	0.38	U	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.096	U	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.38	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.096	U	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.096	U	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.096	U	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.096	U	ug/Kg	P381977	
2169902	SM 2540 G (20th)	% Solid**	95.7		%	P382067	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 09:17

Field ID: SB-209 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169903	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	0.17	I	ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	0.20	U	ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.10	U	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	2.0		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.10	U	ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	0.41	U	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P381977	
2169915	SM 2540 G (20th)	% Solid**	97.4		%	P382067	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 08:33

Field ID: SB-210 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169904	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	I	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	1.7		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	0.33	I	ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.11	I	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	22		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.17	I	ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.19	I	ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	0.41	U	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	I	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.13	I	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.20	I	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P381977	
2169916	SM 2540 G (20th)	% Solid**	94.6		%	P382067	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 08:35

Field ID: SB-210 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169905	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	0.52		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	0.21	I	ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.14	I	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	31		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.11	I	ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	0.40	U	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P381977	
2169917	SM 2540 G (20th)	% Solid**	97.6		%	P382067	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 08:39

Field ID: SB-210 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169906	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	0.34	I	ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	0.20	U	ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.10	U	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	21		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.12	I	ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	0.40	U	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P381977	
2169918	SM 2540 G (20th)	% Solid**	98.2		%	P382067	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 16:07

Field ID: SB-211 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169907	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.33	I	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.67		ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.65		ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.58	I	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	1.6		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	1.6		ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.40	I	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	10		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.67		ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.29	I	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.61		ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	0.45	U	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	I	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.45	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P381977	
2169919	SM 2540 G (20th)	% Solid**	90.7		%	P382067	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 16:12

Field ID: SB-211 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169908	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.27	I	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.86		ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.58		ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.87	I	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	2.6		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	1.3		ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.28	I	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	140		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.56		ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAc acid**	0.29	I	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	5.0		ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.46	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	I	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.20	I	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P381977	
2169920	SM 2540 G (20th)	% Solid**	89.2		%	P382067	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 16:20

Field ID: SB-211 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169909	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	4.6		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	0.27	I	ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.23	I	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	330		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.18	I	ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	0.45	U	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.45	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.21	I	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P381977	
2169921	SM 2540 G (20th)	% Solid**	89.0	A	%	P382068	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 15:52

Field ID: SB-212 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169910	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.25	I	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.45		ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.33	I	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	1.1		ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	3.6		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	1.9		ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.47		ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	20		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.89		ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	I	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.51		ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.71		ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	3.0		ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.33	I	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.19	I	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.28	I	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.44		ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P381977	
2169922	SM 2540 G (20th)	% Solid**	89.6		%	P382068	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 15:56

Field ID: SB-212 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169911	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.098	U	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.10	I	ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.098	U	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.30	I	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	1.9		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	0.62	I	ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.33	I	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	77		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.34	I	ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.098	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.098	U	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.098	U	ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAcid**	0.098	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAcid**	0.098	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	0.97	I	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	I	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.18	I	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.098	U	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.098	U	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.098	U	ug/Kg	P381977	
2169923	SM 2540 G (20th)	% Solid**	96.2		%	P382068	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 16:00

Field ID: SB-212 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169912	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.20	I	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.12	U	ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.62	I	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	14		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	2.5		ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.18	I	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	170		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.72		ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAcid**	0.12	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	2.0		ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.34	I	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.48	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.24	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.6		ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P381977	
2169924	SM 2540 G (20th)	% Solid**	87.1		%	P382068	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 15:29

Field ID: SB-213 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169913	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.43	I	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	1.3		ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.83		ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.79	I	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	2.7		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	0.88	I	ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.51		ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	93		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	1.5		ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.14	I	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	2.9		ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	3.6		ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAcid**	0.14	I	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	1.5	I	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.37	I	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.45	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.28	I	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.25	I	ug/Kg	P381977	
Perfluorononanesulfonic acid (PFNS)**	0.21	I	ug/Kg	P381977			
Perfluorodecanesulfonic acid (PFDS)**	0.47		ug/Kg	P381977			
Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P381977			
2169925	SM 2540 G (20th)	% Solid**	86.4		%	P382068	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 15:31

Field ID: SB-213 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169914	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.18	I	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	3.6		ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.27	I	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.85		ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	2.1		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	0.56	I	ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	1.9		ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	250		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	1.1		ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.099	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.14	I	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	1.1		ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAcid**	0.099	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAcid**	0.17	I	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	1.1	I	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.17	I	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.54	I	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	3.9		ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.48		ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.48		ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.29	I	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.099	U	ug/Kg	P381977	
2169926	SM 2540 G (20th)	% Solid**	93.1		%	P382068	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 15:38

Field ID: SB-213 (2-3')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169927	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.14	I	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	1.1		ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.10	I	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.39	I	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	1.5		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	0.37	I	ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	1.0		ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	95		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.99		ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.15	I	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.30	I	ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	0.56	I	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	I	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	1.5		ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.33	I	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.11	I	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P381977	
2169939	SM 2540 G (20th)	% Solid**	94.8		%	P382068	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 14:53

Field ID: SB-214 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169928	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.32	I	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.45		ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.12	I	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.31	I	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	4.3		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	0.99		ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.27	I	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	22		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.57		ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.14	I	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.94		ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	0.95	I	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.37	I	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.21	I	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.57		ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.31	I	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P381977	
2169940	SM 2540 G (20th)	% Solid**	93.2		%	P382068	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 14:56

Field ID: SB-214 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169929	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.20	I	ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.098	U	ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.098	U	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.27	I	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	3.1		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	0.50	I	ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.27	I	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	49		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	0.40		ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.098	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.098	U	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.098	U	ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAcid**	0.098	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAcid**	0.098	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	0.71	I	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	0.21	I	ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.24	I	ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.12	I	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.098	U	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.098	U	ug/Kg	P381977	
2169941	SM 2540 G (20th)	% Solid**	96.2		%	P382068	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 15:09

Field ID: SB-214 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169930	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	3.0		ug/Kg	P381977	
		Perfluorodecanoic acid (PFDA)**	0.14	U	ug/Kg	P381977	
		Perfluorododecanoic acid (PFDoA)**	0.14	U	ug/Kg	P381977	
		Perfluoroheptanoic acid (PFHpA)**	0.69	I	ug/Kg	P381977	
		Perfluorohexanesulfonic acid (PFHxS)**	21		ug/Kg	P381977	
		Perfluorohexanoic acid (PFHxA)**	2.9		ug/Kg	P381977	
		Perfluorononanoic acid (PFNA)**	0.31	I	ug/Kg	P381977	
		Perfluorooctanesulfonic acid (PFOS)**	150		ug/Kg	P381977	
		Perfluorooctanoic acid (PFOA)**	1.3		ug/Kg	P381977	
		Perfluorotetradecanoic acid (PFTeA)**	0.14	U	ug/Kg	P381977	
		Perfluorotridecanoic acid (PFTriA)**	0.14	U	ug/Kg	P381977	
		Perfluoroundecanoic acid (PFUnA)**	0.14	U	ug/Kg	P381977	
		N-Me perfluorooctanesulfonamidoAc acid**	0.14	UJ	ug/Kg	P381977	LCS
		N-Et perfluorooctanesulfonamidoAc acid**	0.14	U	ug/Kg	P381977	
		Perfluoropentanoic acid (PFPeA)**	1.3	I	ug/Kg	P381977	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.28	U	ug/Kg	P381977	
		Perfluoropentanesulfonic acid (PFPeS)**	2.0		ug/Kg	P381977	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.56	U	ug/Kg	P381977	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.28	U	ug/Kg	P381977	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.4		ug/Kg	P381977	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P381977	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P381977	
		Hexafluoropropylene oxide dimer acid**	0.14	U	ug/Kg	P381977	
2169942	SM 2540 G (20th)	% Solid**	75.9		%	P382068	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 14:16

Field ID: SB-215 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169931	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.24	I	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.33	I	ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.25	I	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.23	I	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	9.6		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	0.76	I	ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	0.33	I	ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	43		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.49		ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.52		ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	1.2		ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.48	I	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.36	I	ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.43	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.22	U	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.56		ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.33	I	ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.64		ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382038	
2169943	SM 2540 G (20th)	% Solid**	92.5	A	%	P382069	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 14:20

Field ID: SB-215 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169932	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.17	I	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.095	U	ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.095	U	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.58	I	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	42		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	0.77		ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	0.74		ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	190		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.54		ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.095	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.095	U	ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	0.095	U	ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAc acid**	0.19	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAc acid**	0.19	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.38	U	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	1.2		ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.38	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.38	U	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	2.0		ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.19	U	ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.095	U	ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.095	U	ug/Kg	P382038	
2169944	SM 2540 G (20th)	% Solid**	96.5		%	P382069	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample. Some MDLs are elevated due to required dilution of sample matrix.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 14:24

Field ID: SB-215 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169933	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.15	I	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.094	U	ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.094	U	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.26	I	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	23		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	0.73	I	ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	0.20	I	ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	78		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.34	I	ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.094	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.094	U	ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	0.094	U	ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAc acid**	0.094	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAc acid**	0.094	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.38	U	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.96		ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.38	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.76		ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.094	U	ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.094	U	ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.094	U	ug/Kg	P382038	
2169945	SM 2540 G (20th)	% Solid**	96.8		%	P382069	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 13:56

Field ID: SB-216 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169934	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	1.1		ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.77		ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.67		ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.24	I	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	7.9		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	1.2		ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	3.1		ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	21		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.30	I	ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	I	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	23		ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	53		ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	2.5		ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.84		ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.47	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.19	I	ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.37	I	ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.64		ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382038	
2169946	SM 2540 G (20th)	% Solid**	84.9		%	P382069	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 14:00

Field ID: SB-216 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169935	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.46		ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.37	I	ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.11	I	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	13		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	0.57	I	ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	52		ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	100		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.46		ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	1.4		ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	4.7		ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.69	I	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.59		ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	2.2		ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	3.1		ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.51		ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382038	
2169947	SM 2540 G (20th)	% Solid**	95.3		%	P382069	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 14:02

Field ID: SB-216 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169936	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.58		ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.17	I	ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	13		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	0.43	I	ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	17		ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	200		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.44		ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.53		ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	1.7		ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAc acid**	0.22	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAc acid**	0.22	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.46	I	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.52		ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.44	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.44	U	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	2.2		ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.61	I	ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.22	U	ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382038	
2169948	SM 2540 G (20th)	% Solid**	93.4		%	P382069	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample. Some MDLs are elevated due to required dilution of sample matrix.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:47

Field ID: SB-217 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169937	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	1.6		ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.35	I	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.43	I	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	2.1		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	0.71	I	ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	0.85		ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	22		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.45	I	ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	1.6		ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	4.0		ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.87	I	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.47	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.18	I	ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.99		ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.33	I	ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382038	
2169949	SM 2540 G (20th)	% Solid**	83.3		%	P382069	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:50

Field ID: SB-217 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169938	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.41		ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.35	I	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	4.5		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	0.34	I	ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	1.1		ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	79		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.41		ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	0.12	I	ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.40	U	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.25	I	ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.22	I	ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382038	
2169950	SM 2540 G (20th)	% Solid**	92.9		%	P382069	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:53

Field ID: SB-217 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169951	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	2.8		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	0.28	I	ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	0.26	I	ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	29		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.16	I	ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382038	
2169963	SM 2540 G (20th)	% Solid**	94.7		%	P382069	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 10:36

Field ID: SB-218 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169952	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	12		ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	1.6		ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.83		ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	3.8		ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	640		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	17		ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	1.8		ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	2.2E+03		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	2.6		ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.19	I	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	3.6		ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	5.2		ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	2.6		ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	61		ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.47	I	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.25	I	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	8.5		ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	2.3		ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	3.4		ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382038	
2169964	SM 2540 G (20th)	% Solid**	90.6		%	P382069	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 10:40

Field ID: SB-218 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169953	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.42	I	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.12	I	ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	29		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	0.80	I	ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	1.5		ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	990		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.42		ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.13	I	ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	0.22	I	ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	1.8		ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	3.4		ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.15	I	ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.22	I	ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382038	
2169965	SM 2540 G (20th)	% Solid**	92.9	A	%	P382070	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 10:45

Field ID: SB-218 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169954	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.19	I	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.12	U	ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	8.6		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	0.89	I	ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	0.33	I	ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	58		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.72		ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.12	I	ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	0.21	I	ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.48	U	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.72		ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.48	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.24	U	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.2		ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382038	
2169966	SM 2540 G (20th)	% Solid**	84.7		%	P382070	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 10:56

Field ID: SB-219 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169955	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.17	I	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.097	I	ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.13	I	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.18	U	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	1.1		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	0.22	I	ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	0.13	I	ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	5.5		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.13	I	ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.090	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.090	U	ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	0.21	I	ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAc acid**	0.090	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAc acid**	0.090	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.36	U	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.18	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	I	ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.36	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.18	U	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.090	U	ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.25	I	ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.48		ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.090	U	ug/Kg	P382038	
2169967	SM 2540 G (20th)	% Solid**	96.6		%	P382070	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:02

Field ID: SB-219 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169956	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.14	I	ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	8.1		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	0.32	I	ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	0.39	I	ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	89		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.18	I	ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.48	U	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.22	I	ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.48	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.24	U	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.47	I	ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	1.1		ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.38	I	ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382038	
2169968	SM 2540 G (20th)	% Solid**	87.4		%	P382070	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:06

Field ID: SB-219 (2-3')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169957	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	3.5		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	0.24	I	ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	0.12	I	ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	71		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.19	I	ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.44	U	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.16	I	ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.44	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.22	U	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.21	I	ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.20	I	ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382038	
2169969	SM 2540 G (20th)	% Solid**	86.5		%	P382070	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:30

Field ID: SB-220 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169958	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.097	U	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.11	I	ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.097	U	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.43	I	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	1.3		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	0.19	U	ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	0.31	I	ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	21		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.74		ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.097	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.097	U	ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	0.097	U	ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAc acid**	0.097	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAc acid**	0.097	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.39	U	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.097	U	ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	13		ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	I	ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.097	U	ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.097	U	ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.097	U	ug/Kg	P382038	
2169970	SM 2540 G (20th)	% Solid**	96.4		%	P382070	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:33

Field ID: SB-220 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169959	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.32	I	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.12	U	ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.29	I	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	38		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	1.3		ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	0.32	I	ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	79		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.56		ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.59	I	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.25	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.84		ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.50	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	1.4		ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.72		ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.26	I	ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382038	
2169971	SM 2540 G (20th)	% Solid**	85.7		%	P382070	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:38

Field ID: SB-220 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169960	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.33	I	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	0.17	I	ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.30	I	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	33		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	1.7		ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	0.48	I	ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	66		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	0.65		ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	0.36	I	ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.89	I	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.25	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.91		ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.49	U	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.63	I	ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.36	I	ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	0.56		ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	0.31	I	ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382038	
2169972	SM 2540 G (20th)	% Solid**	82.6		%	P382070	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 15:54

Field ID: SB-221 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169961	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.29	I	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	3.1		ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	1.7		ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	1.5		ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	47		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	1.7		ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	1.9		ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	84		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	4.2		ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.40		ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	4.2		ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	17		ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAc acid**	0.095	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAc acid**	0.24	I	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	1.4	I	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.72		ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	1.3	I	ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	16		ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.3		ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	2.0		ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	8.4		ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.095	U	ug/Kg	P382038	
2169973	SM 2540 G (20th)	% Solid**	94.8		%	P382070	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 16:04

Field ID: SB-221 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169962	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.27	I	ug/Kg	P382038	
		Perfluorodecanoic acid (PFDA)**	2.0		ug/Kg	P382038	
		Perfluorododecanoic acid (PFDoA)**	0.25	I	ug/Kg	P382038	
		Perfluoroheptanoic acid (PFHpA)**	0.79	I	ug/Kg	P382038	
		Perfluorohexanesulfonic acid (PFHxS)**	21		ug/Kg	P382038	
		Perfluorohexanoic acid (PFHxA)**	1.3		ug/Kg	P382038	
		Perfluorononanoic acid (PFNA)**	5.2		ug/Kg	P382038	
		Perfluorooctanesulfonic acid (PFOS)**	340		ug/Kg	P382038	
		Perfluorooctanoic acid (PFOA)**	2.1		ug/Kg	P382038	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382038	
		Perfluorotridecanoic acid (PFTriA)**	0.51		ug/Kg	P382038	
		Perfluoroundecanoic acid (PFUnA)**	2.1		ug/Kg	P382038	
		N-Me perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382038	
		N-Et perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382038	
		Perfluoropentanoic acid (PFPeA)**	0.96	I	ug/Kg	P382038	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382038	
		Perfluoropentanesulfonic acid (PFPeS)**	0.62		ug/Kg	P382038	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	5.1		ug/Kg	P382038	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	6.1		ug/Kg	P382038	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.9		ug/Kg	P382038	
		Perfluorononanesulfonic acid (PFNS)**	4.5		ug/Kg	P382038	
		Perfluorodecanesulfonic acid (PFDS)**	2.1		ug/Kg	P382038	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382038	
2169974	SM 2540 G (20th)	% Solid**	84.7		%	P382070	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 09:47

Field ID: SB-222 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169975	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	I	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.31	I	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.27	I	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.97		ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	27		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.85		ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	1.1		ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	110		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	5.6		ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.093	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.33	I	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	1.2		ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAc acid**	0.093	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAc acid**	0.093	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	1.6		ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.20	I	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.37	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.5		ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.94		ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	4.9		ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	4.0		ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.093	U	ug/Kg	P382039	
2169987	SM 2540 G (20th)	% Solid**	95.7	A	%	P382071	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 09:50

Field ID: SB-222 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169976	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.093	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.093	U	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.093	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.64	I	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	47		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.70	I	ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.34	I	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	290		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.63		ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.093	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.093	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.093	U	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAc acid**	0.093	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAc acid**	0.093	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.37	UJ	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.53		ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.37	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.4		ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.50		ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	I	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.093	U	ug/Kg	P382039	
2169988	SM 2540 G (20th)	% Solid**	95.7		%	P382071	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 09:53

Field ID: SB-222 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169977	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.098	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.098	U	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.098	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.23	I	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	17		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	2.7		ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.16	I	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	62		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.32	I	ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.098	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.098	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.098	U	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAc acid**	0.098	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAc acid**	0.098	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.54	I	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.60		ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.36	I	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.098	U	ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.098	U	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.098	U	ug/Kg	P382039	
2169989	SM 2540 G (20th)	% Solid**	96.1		%	P382071	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 16:32

Field ID: SB-223 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169978	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.14	I	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.83		ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.56		ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.55	I	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	11		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	1.5		ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.99		ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	91		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.94		ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.15	I	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.53		ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	1.5		ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	1.1	I	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.38	I	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.48	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.27	I	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.76		ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.93		ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	1.6		ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382039	
2169990	SM 2540 G (20th)	% Solid**	88.6		%	P382071	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 16:38

Field ID: SB-223 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169979	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.47	I	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.73	I	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	8.1		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	1.4		ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.36	I	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	17		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.82		ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAc acid**	0.14	I	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	1.8	I	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.17	I	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	1.6	I	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.24	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382039	
2169991	SM 2540 G (20th)	% Solid**	83.3		%	P382071	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 16:43

Field ID: SB-223 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169980	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	I	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.12	U	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	8.5		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.56	I	ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.12	U	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	28		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.33	I	ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.47	U	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.22	I	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.47	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.24	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	I	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.14	I	ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382039	
2169992	SM 2540 G (20th)	% Solid**	83.5		%	P382071	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 09:36

Field ID: SB-224 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169981	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.13	I	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.13	I	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	4.5		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.39	I	ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.11	U	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	28		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.17	I	ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.45	I	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.22	I	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.44	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.22	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.15	I	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.68		ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.39	I	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382039	
2169993	SM 2540 G (20th)	% Solid**	90.8		%	P382071	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 09:37

Field ID: SB-224 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169982	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	0.62		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.20	U	ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.15	I	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	21		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.10	U	ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.40	U	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.32	I	ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382039	
2169994	SM 2540 G (20th)	% Solid**	94.3		%	P382071	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 09:41

Field ID: SB-224 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169983	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	0.37	I	ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.20	U	ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.10	U	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	29		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.10	U	ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.41	U	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382039	
2169995	SM 2540 G (20th)	% Solid**	94.3		%	P382071	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 12:14

Field ID: SB-225 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169984	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.92		ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.53		ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.36	I	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	9.5		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	1.2		ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.55		ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	44		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.85		ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	1.0		ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	3.7		ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.65	I	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.39	I	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	2.5		ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	2.0		ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382039	
2169996	SM 2540 G (20th)	% Solid**	94.6		%	P382071	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 12:16

Field ID: SB-225 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169985	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.094	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.67		ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.094	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.19	U	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	24		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.67	I	ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.35	I	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	79		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.94		ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.094	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.094	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.34	I	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAc acid**	0.094	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAc acid**	0.094	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	1.7		ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.094	U	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	1.0	I	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.79		ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	1.2		ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.094	U	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.094	U	ug/Kg	P382039	
2169997	SM 2540 G (20th)	% Solid**	95.6	A	%	P382072	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 12:19

Field ID: SB-225 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169986	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	2.7		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.37	I	ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.34	I	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	51		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.27	I	ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.52	I	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.45	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.22	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.14	I	ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.13	I	ug/Kg	P382039	
2169998	SM 2540 G (20th)	% Solid**	85.9		%	P382072	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 08:52

Field ID: SB-226 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2169999	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.098	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.50		ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.098	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	4.2		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.95		ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.37	I	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	29		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.68		ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.098	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.20	I	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.45		ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAcid**	0.098	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAcid**	0.098	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.60	I	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.098	U	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.098	U	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	1.2		ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	3.5		ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.098	U	ug/Kg	P382039	
2170011	SM 2540 G (20th)	% Solid**	95.0		%	P382072	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 08:55

Field ID: SB-226 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170000	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.097	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.097	U	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.097	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.19	U	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	39		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.49	I	ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.097	U	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	170		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	1.1		ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.097	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.097	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.097	U	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAc acid**	0.097	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAc acid**	0.097	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.39	U	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.097	U	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.71		ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.12	I	ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.097	U	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.097	U	ug/Kg	P382039	
2170012	SM 2540 G (20th)	% Solid**	95.5		%	P382072	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 08:57

Field ID: SB-226 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170001	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	22		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.38	I	ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.10	U	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	200		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.41	I	ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.44	I	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.35	I	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382039	
2170013	SM 2540 G (20th)	% Solid**	94.9		%	P382072	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 16:32

Field ID: SB-227 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170002	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.14	I	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.23	I	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	0.27	I	ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.31	I	ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.39	I	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	5.7		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.33	I	ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.49	I	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382039	
2170014	SM 2540 G (20th)	% Solid**	95.9		%	P382072	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 16:37

Field ID: SB-227 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170003	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.099	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.099	U	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.099	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.29	I	ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.12	I	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	10		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.25	I	ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.099	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.099	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.099	U	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAc acid**	0.099	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAc acid**	0.099	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.53	I	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.099	U	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.099	U	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.099	U	ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.099	U	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.099	U	ug/Kg	P382039	
2170015	SM 2540 G (20th)	% Solid**	95.2		%	P382072	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 16:41

Field ID: SB-227 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170004	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.26	I	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	0.41	I	ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.47	I	ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.11	U	ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	4.7		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.21	I	ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.71	I	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.45	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382039	
2170016	SM 2540 G (20th)	% Solid**	87.7		%	P382072	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 14:14

Field ID: SB-228 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170005	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.39	I	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.20	I	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.22	I	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	3.5		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.50	I	ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.43		ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	23		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.33	I	ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.63		ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	2.8		ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.42	I	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	I	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	1.1		ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.63		ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382039	
2170017	SM 2540 G (20th)	% Solid**	95.1		%	P382072	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 14:20

Field ID: SB-228 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170006	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382039	
		Perfluorodecanoic acid (PFDA)**	0.12	U	ug/Kg	P382039	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382039	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P382039	
		Perfluorohexanesulfonic acid (PFHxS)**	12		ug/Kg	P382039	
		Perfluorohexanoic acid (PFHxA)**	0.41	I	ug/Kg	P382039	
		Perfluorononanoic acid (PFNA)**	0.89		ug/Kg	P382039	
		Perfluorooctanesulfonic acid (PFOS)**	460		ug/Kg	P382039	
		Perfluorooctanoic acid (PFOA)**	0.26	I	ug/Kg	P382039	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382039	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382039	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382039	
		N-Me perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382039	
		N-Et perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382039	
		Perfluoropentanoic acid (PFPeA)**	0.51	I	ug/Kg	P382039	RPD
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P382039	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P382039	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.46	U	ug/Kg	P382039	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P382039	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.26	I	ug/Kg	P382039	
		Perfluorononanesulfonic acid (PFNS)**	0.12	I	ug/Kg	P382039	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382039	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382039	
2170018	SM 2540 G (20th)	% Solid**	86.0		%	P382072	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 14:23

Field ID: SB-228 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170007	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	5.0		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.23	I	ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.57		ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	120		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	0.21	I	ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.40	U	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.45		ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382054	
2170019	SM 2540 G (20th)	% Solid**	93.6	A	%	P382098	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 13:37

Field ID: SB-229 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170008	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.099	U	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.48		ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.17	I	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.70	I	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	0.61		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.74	I	ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	1.4		ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	10		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	0.53		ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.099	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	1.7		ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	5.4		ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAc acid**	0.099	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAc acid**	0.099	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.81	I	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	I	ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.099	U	ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	0.12	I	ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	0.099	U	ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.099	U	ug/Kg	P382054	
2170020	SM 2540 G (20th)	% Solid**	95.3		%	P382098	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 13:43

Field ID: SB-229 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170009	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.15	U	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.16	I	ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.15	U	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.57	I	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	0.56	I	ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.66	I	ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	3.0		ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	13		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	0.44	I	ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.15	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.18	I	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.38	I	ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAcid**	0.15	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAcid**	0.15	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.96	I	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.29	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.15	U	ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.58	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.29	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.15	U	ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	0.15	U	ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	0.15	U	ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.15	U	ug/Kg	P382054	
2170021	SM 2540 G (20th)	% Solid**	75.7		%	P382098	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 14:07

Field ID: SB-229 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170010	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	0.17	I	ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.78		ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	1.9		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	0.15	I	ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.48	I	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382054	
2170022	SM 2540 G (20th)	% Solid**	92.1		%	P382098	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 13:04

Field ID: SB-230 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170023	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	1.3		ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.86		ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.55		ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.73	I	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	34		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	1.7		ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	1.2		ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	50		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	2.3		ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.14	I	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	1.1		ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	1.4		ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAc acid**	0.099	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAc acid**	0.099	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	1.5	I	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	2.8		ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.89		ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.9		ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	2.2		ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	6.3		ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.099	U	ug/Kg	P382054	
2170035	SM 2540 G (20th)	% Solid**	92.5		%	P382098	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 13:08

Field ID: SB-230 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170024	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.47	I	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.38	I	ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	20		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.70	I	ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.51		ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	84		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	1.3		ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.55		ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.49	U	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	1.8		ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.49	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.24	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	4.0		ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	3.6		ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	1.1		ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382054	
2170036	SM 2540 G (20th)	% Solid**	85.8		%	P382098	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 13:15

Field ID: SB-230 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170025	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.72		ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.25	I	ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.18	I	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.41	I	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	25		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	1.5		ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.47	I	ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	94		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	1.0		ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.15	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.15	U	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.28	I	ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAc acid**	0.15	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAc acid**	0.15	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	1.3	I	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.29	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	2.4		ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.61	I	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.29	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.3		ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	1.2		ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	0.46	I	ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.15	U	ug/Kg	P382054	
2170037	SM 2540 G (20th)	% Solid**	74.2		%	P382098	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 12:45

Field ID: SB-231 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170026	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.28	I	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.65		ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.35	I	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	1.3		ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	6.5		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	1.5		ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.69		ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	32		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	1.0		ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.99		ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.78		ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	1.8		ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.56		ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.44	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.27	I	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.50		ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	0.34	I	ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	1.0		ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382054	
2170038	SM 2540 G (20th)	% Solid**	87.7		%	P382098	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 12:50

Field ID: SB-231 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170027	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.23	I	ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.13	U	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.28	I	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	2.9		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.41	I	ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.34	I	ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	14		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	0.27	I	ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.13	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.13	U	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.26	I	ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAc acid**	0.13	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAc acid**	0.13	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.54	U	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.27	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.24	I	ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.54	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.27	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.20	I	ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	0.32	I	ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	0.45	I	ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.13	U	ug/Kg	P382054	
2170039	SM 2540 G (20th)	% Solid**	80.3		%	P382098	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 12:55

Field ID: SB-231 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170028	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.27	I	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.20	I	ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.15	U	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.38	I	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	4.7		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.93	I	ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.19	I	ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	24		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	0.39	I	ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.15	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.15	U	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.15	U	ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAcid**	0.15	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAcid**	0.15	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.93	I	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.30	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.48	I	ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.60	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.30	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.18	I	ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	0.15	I	ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	0.15	U	ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.15	U	ug/Kg	P382054	
2170040	SM 2540 G (20th)	% Solid**	74.4		%	P382098	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 14:55

Field ID: SB-232 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170029	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	5.0		ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.46		ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.11	I	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.35	I	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	9.5		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	2.3		ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.84		ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	46		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	1.0		ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.097	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.15	I	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.35	I	ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAc acid**	0.097	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAc acid**	0.097	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	3.0		ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	1.3		ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.70		ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	1.2		ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	0.54		ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.097	U	ug/Kg	P382054	
2170041	SM 2540 G (20th)	% Solid**	94.8	A	%	P382099	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 15:08

Field ID: SB-232 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170030	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.20	I	ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.55	I	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	4.5		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.53	I	ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.45		ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	25		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	0.66		ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.51	I	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.17	I	ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.70	I	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.22	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.53		ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	0.44		ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382054	
2170042	SM 2540 G (20th)	% Solid**	93.7		%	P382099	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 15:12

Field ID: SB-232 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170031	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.15	I	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.12	U	ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.71	I	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	24		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.74	I	ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.38	I	ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	230		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	0.48		ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.49	I	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.79		ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.48	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.24	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.90		ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382054	
2170043	SM 2540 G (20th)	% Solid**	83.3		%	P382099	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 15:24

Field ID: SB-233 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170032	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.23	I	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.67		ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.55		ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.30	I	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	9.2		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.93		ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.73		ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	42		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	0.73		ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.13	I	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.38	I	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	1.5		ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAc acid**	0.098	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAc acid**	0.13	I	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.48	I	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.60		ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.55	I	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.4		ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	1.3		ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	3.3		ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.098	U	ug/Kg	P382054	
2170044	SM 2540 G (20th)	% Solid**	94.5		%	P382099	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 15:28

Field ID: SB-233 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170033	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.30	I	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	2.5		ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.097	U	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.48	I	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	23		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.94		ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	8.1		ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	780		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	3.4		ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.097	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.097	U	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.097	U	ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAcid**	0.097	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAcid**	0.097	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.49	I	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.83		ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	1.9		ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	14		ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	4.6		ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	0.25	I	ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.097	UJ	ug/Kg	P382054	SUR
2170045	SM 2540 G (20th)	% Solid**	93.8		%	P382099	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 15:31

Field ID: SB-233 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170034	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.094	U	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.19	I	ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.094	U	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.63	I	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	60		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.23	I	ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	3.0		ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	670		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	5.7		ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.094	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.094	U	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.094	U	ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAc acid**	0.094	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAc acid**	0.094	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.38	U	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.58		ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.38	I	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	12		ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	0.20	I	ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	0.094	U	ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.094	U	ug/Kg	P382054	
2170046	SM 2540 G (20th)	% Solid**	96.1		%	P382099	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 09:52

Field ID: SB-234 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170047	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	2.1		ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	3.2		ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	1.6		ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	2.9		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.11	U	ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	11		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	2.4		ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAc acid**	0.44		ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.43	U	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.39	I	ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	11		ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	0.96		ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	1.3		ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382054	
2170059	SM 2540 G (20th)	% Solid**	94.6		%	P382099	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 09:56

Field ID: SB-234 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170048	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.16	I	ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	5.7		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.93		ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.16	I	ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	29		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	0.33	I	ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.18	I	ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.50		ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	1.2		ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	0.49		ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382054	
2170060	SM 2540 G (20th)	% Solid**	88.3		%	P382099	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 10:01

Field ID: SB-234 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170049	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	7.6		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.55	I	ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.14	I	ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	39		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	0.20	I	ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.45	U	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.20	I	ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.45	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.22	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.57		ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	0.22	I	ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382054	
2170061	SM 2540 G (20th)	% Solid**	86.3		%	P382099	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 09:38

Field ID: SB-235 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170050	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382054	
		Perfluorodecanoic acid (PFDA)**	0.27	I	ug/Kg	P382054	
		Perfluorododecanoic acid (PFDoA)**	0.21	I	ug/Kg	P382054	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382054	
		Perfluorohexanesulfonic acid (PFHxS)**	1.2		ug/Kg	P382054	
		Perfluorohexanoic acid (PFHxA)**	0.44	I	ug/Kg	P382054	
		Perfluorononanoic acid (PFNA)**	0.19	I	ug/Kg	P382054	
		Perfluorooctanesulfonic acid (PFOS)**	6.5		ug/Kg	P382054	
		Perfluorooctanoic acid (PFOA)**	0.32	I	ug/Kg	P382054	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382054	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382054	
		Perfluoroundecanoic acid (PFUnA)**	0.48		ug/Kg	P382054	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382054	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382054	
		Perfluoropentanoic acid (PFPeA)**	0.43	U	ug/Kg	P382054	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382054	
		Perfluoropentanesulfonic acid (PFPeS)**	0.17	I	ug/Kg	P382054	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.43	U	ug/Kg	P382054	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382054	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	I	ug/Kg	P382054	
		Perfluorononanesulfonic acid (PFNS)**	0.23	I	ug/Kg	P382054	
		Perfluorodecanesulfonic acid (PFDS)**	1.8		ug/Kg	P382054	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382054	
2170062	SM 2540 G (20th)	% Solid**	94.5		%	P382099	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 09:40

Field ID: SB-235 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170051	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.28	I	ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	1.1		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.20	I	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	0.15	I	ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	10		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	0.34	I	ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	UJ	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAcid**	0.10	UJ	ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.40	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	I	ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.21	I	ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	3.5		ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	I	ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382055	
2170063	SM 2540 G (20th)	% Solid**	94.5	A	%	P382100	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 09:45

Field ID: SB-235 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170052	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.16	I	ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	0.85		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	0.13	I	ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	5.0		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	0.25	I	ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.48	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.48	U	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.24	U	ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	I	ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	1.1		ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382055	
2170064	SM 2540 G (20th)	% Solid**	86.5		%	P382100	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 13:59

Field ID: SB-236 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170053	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	3.6		ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.24	I	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.51	I	ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	1.5		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.56	I	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	2.8		ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	16		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	1.2		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.20	I	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	1.9		ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.47	I	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.44	U	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	3.2		ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.30	I	ug/Kg	P382055	
Perfluorononanesulfonic acid (PFNS)**	0.86		ug/Kg	P382055			
Perfluorodecanesulfonic acid (PFDS)**	0.40	I	ug/Kg	P382055			
Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382055			
2170065	SM 2540 G (20th)	% Solid**	93.5		%	P382100	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 14:06

Field ID: SB-236 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170054	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	1.3		ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.66	I	ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	2.2		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.36	I	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	4.2		ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	290		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	1.7		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.12	I	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	0.17	I	ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	180		ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	I	ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	0.16	I	ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382055	
2170066	SM 2540 G (20th)	% Solid**	95.9		%	P382100	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 14:13

Field ID: SB-236 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170055	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.099	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.44		ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.099	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.86		ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	4.9		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.20	I	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	4.8		ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	480		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	2.9		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.099	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.12	I	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	0.099	U	ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAcid**	0.099	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAcid**	0.099	U	ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.40	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	I	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	I	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	65		ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.3		ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	0.099	U	ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.099	U	ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.099	U	ug/Kg	P382055	
2170067	SM 2540 G (20th)	% Solid**	96.1		%	P382100	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 14:21

Field ID: SB-237 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170056	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.29	I	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	1.8		ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.28	I	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	2.0		ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	7.4		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	2.1		ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	8.1		ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	940		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	15		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.38	I	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	2.0		ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAcid**	0.61		ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAcid**	34		ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.61	I	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.47		ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.53	I	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	28		ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	2.3		ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	4.1		ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	3.4		ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382055	
2170068	SM 2540 G (20th)	% Solid**	97.2		%	P382100	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 14:26

Field ID: SB-237 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170057	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.092	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.38		ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.092	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	1.1		ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	3.6		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.47	I	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	6.2		ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	1.1E+03		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	12		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.092	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.092	U	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	0.11	I	ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAc acid**	0.092	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.87		ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.37	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.18	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.22	I	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.37	U	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	10		ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.5		ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	0.31	I	ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.092	U	ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.092	U	ug/Kg	P382055	
2170069	SM 2540 G (20th)	% Solid**	95.5		%	P382100	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 14:30

Field ID: SB-237 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170058	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.095	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.17	I	ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.095	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.62	I	ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	4.2		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.46	I	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	5.5		ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	1.1E+03		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	8.6		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.095	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.095	U	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	0.095	U	ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAc acid**	0.095	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	I	ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.38	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.16	I	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	1.3	I	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	3.8		ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.4		ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	0.095	U	ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.095	U	ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.095	U	ug/Kg	P382055	
2170070	SM 2540 G (20th)	% Solid**	94.4		%	P382100	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 12:44

Field ID: SB-238 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170071	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.23	I	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.99		ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.62		ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.89		ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	6.0		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	1.3		ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	1.3		ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	100		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	3.7		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.13	I	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	5.7		ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	12		ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAc acid**	0.099	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAc acid**	2.2		ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	1.0	I	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.42		ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.88	I	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	1.8		ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.56		ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	0.85		ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	2.2		ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.099	U	ug/Kg	P382055	
2170083	SM 2540 G (20th)	% Solid**	92.4		%	P382100	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 12:57

Field ID: SB-238 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170072	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.49		ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.45	I	ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	2.0		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.59	I	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	1.3		ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	220		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	4.5		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.52		ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	6.2		ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAcid**	0.18	I	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAcid**	5.2		ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.40	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	1.6	I	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	3.1		ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.51		ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	1.1		ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.26	I	ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382055	
2170084	SM 2540 G (20th)	% Solid**	93.5		%	P382100	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 13:02

Field ID: SB-238 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170073	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.097	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.22	I	ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.097	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	1.2		ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	4.0		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.39	I	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	1.3		ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	310		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	8.1		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.097	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.14	I	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	0.89		ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAcid**	0.097	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAcid**	0.41		ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.39	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	I	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	3.1		ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	3.6		ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.48		ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	0.12	I	ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.097	U	ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.097	U	ug/Kg	P382055	
2170085	SM 2540 G (20th)	% Solid**	94.2	A	%	P382101	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 10:37

Field ID: SB-239 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170074	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.28	I	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	1.6		ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.97		ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	1.3		ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	7.4		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	1.8		ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	1.7		ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	27		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	2.4		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	I	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.096	U	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	1.9		ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAc acid**	0.096	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAc acid**	1.4		ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.50	I	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.51		ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	I	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	7.2		ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.44		ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	0.81		ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	3.5		ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.096	U	ug/Kg	P382055	
2170086	SM 2540 G (20th)	% Solid**	98.1		%	P382101	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 10:39

Field ID: SB-239 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170075	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.098	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.80		ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.098	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.31	I	ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	2.7		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.40	I	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	1.1		ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	160		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	1.1		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.098	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.098	U	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	0.098	U	ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAcid**	0.098	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAcid**	0.25	I	ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.39	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.098	U	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	28		ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.43		ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	3.8		ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.84		ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.098	U	ug/Kg	P382055	
2170087	SM 2540 G (20th)	% Solid**	96.5		%	P382101	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 10:41

Field ID: SB-239 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170076	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.35	I	ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.38	I	ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	4.1		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.21	I	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	1.1		ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	170		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	1.4		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.40	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	I	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	13		ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.71		ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	0.21	I	ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	I	ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382055	
2170088	SM 2540 G (20th)	% Solid**	95.6		%	P382101	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 13:14

Field ID: SB-240 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170077	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.26	I	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.37	I	ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.66		ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	1.2		ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	4.8		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	1.8		ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	0.60		ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	130		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	5.6		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.14	I	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	4.3		ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	2.4		ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAc acid**	0.20	I	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAc acid**	15		ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.53	I	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.55		ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.46	U	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.88	I	ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.38	I	ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	0.45	I	ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	3.0		ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382055	
2170089	SM 2540 G (20th)	% Solid**	88.2		%	P382101	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 13:19

Field ID: SB-240 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170078	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.32	I	ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.33	I	ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	1.0		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.33	I	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	0.29	I	ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	130		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	2.1		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.57		ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	1.0		ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAc acid**	1.5		ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.43	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	I	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.43	U	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.67	I	ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.15	I	ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	0.24	I	ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.33	I	ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382055	
2170090	SM 2540 G (20th)	% Solid**	92.3		%	P382101	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 13:33

Field ID: SB-240 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170079	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.18	I	ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.14	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.29	U	ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	0.77		ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.29	U	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	0.25	I	ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	61		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	1.2		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.14	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.31	I	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	0.30	I	ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAcid**	0.14	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAcid**	0.33	I	ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.57	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.29	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.57	U	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.38	I	ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.17	I	ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.14	U	ug/Kg	P382055	
2170091	SM 2540 G (20th)	% Solid**	78.2		%	P382101	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:39

Field ID: SB-241 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170080	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.092	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.099	I	ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.092	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.18	U	ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	0.15	I	ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.18	U	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	0.092	U	ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	13		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	0.60		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.092	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.092	U	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	0.092	U	ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAcid**	0.092	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAcid**	0.23	I	ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.37	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.18	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.092	U	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.37	U	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.18	U	ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.092	U	ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	0.092	U	ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.092	U	ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.092	U	ug/Kg	P382055	
2170092	SM 2540 G (20th)	% Solid**	95.6		%	P382101	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:43

Field ID: SB-241 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170081	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.11	I	ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	0.10	U	ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	0.10	U	ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	22		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	0.37	I	ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382055	
2170093	SM 2540 G (20th)	% Solid**	95.2		%	P382101	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:45

Field ID: SB-241 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170082	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.095	U	ug/Kg	P382055	
		Perfluorodecanoic acid (PFDA)**	0.095	U	ug/Kg	P382055	
		Perfluorododecanoic acid (PFDoA)**	0.095	U	ug/Kg	P382055	
		Perfluoroheptanoic acid (PFHpA)**	0.19	U	ug/Kg	P382055	
		Perfluorohexanesulfonic acid (PFHxS)**	0.10	I	ug/Kg	P382055	
		Perfluorohexanoic acid (PFHxA)**	0.19	U	ug/Kg	P382055	
		Perfluorononanoic acid (PFNA)**	0.16	I	ug/Kg	P382055	
		Perfluorooctanesulfonic acid (PFOS)**	240		ug/Kg	P382055	
		Perfluorooctanoic acid (PFOA)**	0.84		ug/Kg	P382055	
		Perfluorotetradecanoic acid (PFTeA)**	0.095	U	ug/Kg	P382055	
		Perfluorotridecanoic acid (PFTriA)**	0.095	U	ug/Kg	P382055	
		Perfluoroundecanoic acid (PFUnA)**	0.095	U	ug/Kg	P382055	
		N-Me perfluorooctanesulfonamidoAcid**	0.095	U	ug/Kg	P382055	MS
		N-Et perfluorooctanesulfonamidoAcid**	0.095	U	ug/Kg	P382055	MS
		Perfluoropentanoic acid (PFPeA)**	0.38	U	ug/Kg	P382055	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382055	
		Perfluoropentanesulfonic acid (PFPeS)**	0.095	U	ug/Kg	P382055	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.38	U	ug/Kg	P382055	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382055	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.17	I	ug/Kg	P382055	
		Perfluorononanesulfonic acid (PFNS)**	0.095	U	ug/Kg	P382055	
		Perfluorodecanesulfonic acid (PFDS)**	0.095	U	ug/Kg	P382055	
		Hexafluoropropylene oxide dimer acid**	0.095	U	ug/Kg	P382055	
2170094	SM 2540 G (20th)	% Solid**	96.1		%	P382101	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:23

Field ID: SB-242 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170095	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.17	I	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.75		ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	1.5		ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.76	I	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.47		ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.48	I	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.27	I	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	7.5		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.65		ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.33	I	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.95		ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.92	I J	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.53	I	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.42		ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382083	
2170107	SM 2540 G (20th)	% Solid**	93.3	A	%	P382102	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:25

Field ID: SB-242 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170096	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.098	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.41		ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.31	I	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.14	I	ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.20	U	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.11	I	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	6.0		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.26	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.098	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.098	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.42		ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAcid**	0.098	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAcid**	0.098	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.42	I	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.098	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.79		ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.098	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.13	I	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.39	I	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.098	U	ug/Kg	P382083	
2170108	SM 2540 G (20th)	% Solid**	94.9		%	P382102	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:28

Field ID: SB-242 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170097	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	1.5		ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.19	I	ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.18	I	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	43		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.30	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	7.0		ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.93		ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382083	
2170109	SM 2540 G (20th)	% Solid**	92.8		%	P382102	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 10:55

Field ID: SB-243 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170098	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.11	I	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.25	I	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.24	I	ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.19	I	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	3.5		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.19	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.21	I	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.41	U	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382083	
2170110	SM 2540 G (20th)	% Solid**	96.6		%	P382102	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 10:59

Field ID: SB-243 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170099	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.12	U	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.61	I	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.26	I	ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.41	I	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.30	I	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	6.3		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.33	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.68	I	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.46	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382083	
2170111	SM 2540 G (20th)	% Solid**	83.9		%	P382102	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:02

Field ID: SB-243 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170100	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.12	U	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.53	I	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.31	I	ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.41	I	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.18	I	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	9.9		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.34	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.90	I	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.47	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.24	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382083	
2170112	SM 2540 G (20th)	% Solid**	88.1		%	P382102	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:55

Field ID: SB-244 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170101	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.094	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.094	U	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.094	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.19	U	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.23	I	ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.19	U	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.11	I	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	3.8		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.11	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.094	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.094	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.094	U	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAcid**	0.094	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAcid**	0.094	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.38	U	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.094	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.38	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.094	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.094	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.094	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.094	U	ug/Kg	P382083	
2170113	SM 2540 G (20th)	% Solid**	97.1		%	P382102	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 11:58

Field ID: SB-244 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170102	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.098	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.098	U	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.098	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	I	ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.20	U	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.098	U	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	1.6		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.19	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.098	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.098	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.098	U	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAcid**	0.098	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAcid**	0.098	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.39	U	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.098	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.098	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.098	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.098	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.098	U	ug/Kg	P382083	
2170114	SM 2540 G (20th)	% Solid**	93.9		%	P382102	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 14:57

Field ID: SB-245 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170103	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.20	I	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	1.8		ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.39	I	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	75		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.31	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.38	I	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.16	I	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	I	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.50		ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382083	
2170115	SM 2540 G (20th)	% Solid**	94.4		%	P382102	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 15:01

Field ID: SB-245 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170104	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	2.7		ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.23	I	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.78		ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	26		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.36	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.19	I	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.40	U	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.15	I	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.70		ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382083	
2170116	SM 2540 G (20th)	% Solid**	96.4		%	P382102	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 15:04

Field ID: SB-245 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170105	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	2.4		ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	27		ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.33	I	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	32		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.35	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.51		ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	2.9		ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.5		ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382083	
2170117	SM 2540 G (20th)	% Solid**	93.8	A	%	P382103	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 15:16

Field ID: SB-246 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170106	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.15	I	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.14	I	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.095	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.51	I	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.68		ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.55	I	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.15	I	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	10		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	1.1		ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.095	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.095	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.095	U	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAc acid**	0.095	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAc acid**	0.095	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.96	I	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.095	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.38	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.15	I	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.095	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.095	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.095	U	ug/Kg	P382083	
2170118	SM 2540 G (20th)	% Solid**	95.2		%	P382103	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 15:19

Field ID: SB-246 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170119	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.094	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.094	U	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.094	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.19	U	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.24	I	ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.19	U	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.094	U	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	0.68	I	ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.27	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.094	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.094	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.094	U	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAcid**	0.094	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAcid**	0.094	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.38	U	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.094	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.38	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.094	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.094	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.094	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.094	U	ug/Kg	P382083	
2170131	SM 2540 G (20th)	% Solid**	97.3		%	P382103	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 15:23

Field ID: SB-246 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170120	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	I	ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.28	I	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.11	U	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	0.33	I	ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.12	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.48	I	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.43	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382083	
2170132	SM 2540 G (20th)	% Solid**	92.7		%	P382103	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 16:00

Field ID: SB-247 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170121	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.098	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.24	I	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.098	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.41		ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.20	U	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.24	I	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	13		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.30	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.098	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.10	I	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.31	I	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAc acid**	0.098	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAc acid**	0.098	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.39	U	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.098	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.098	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.22	I	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.098	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.098	U	ug/Kg	P382083	
2170133	SM 2540 G (20th)	% Solid**	95.2		%	P382103	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 16:04

Field ID: SB-247 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170122	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.094	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.094	U	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.094	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.19	U	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.26	I	ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.19	U	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.19	I	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	6.8		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.18	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.094	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.094	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.094	U	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAc acid**	0.094	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAc acid**	0.094	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.38	U	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.094	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.38	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.094	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.094	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.094	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.094	U	ug/Kg	P382083	
2170134	SM 2540 G (20th)	% Solid**	95.1		%	P382103	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 16:09

Field ID: SB-247 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170123	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.12	U	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.28	I	ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.29	I	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.12	U	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	1.7		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.19	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	0.48	U	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.48	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.24	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382083	
2170135	SM 2540 G (20th)	% Solid**	83.8		%	P382103	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 12:00

Field ID: SB-248 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170124	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.095	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.14	I	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.095	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.78		ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.095	U	ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.75	I	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	2.2		ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	1.4		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.74		ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.095	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.095	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.11	I	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAc acid**	0.095	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAc acid**	0.095	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	1.3	I	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.095	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.38	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.095	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.095	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.095	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.095	U	ug/Kg	P382083	
2170136	SM 2540 G (20th)	% Solid**	95.5		%	P382103	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 12:03

Field ID: SB-248 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170125	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.098	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.098	U	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.098	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	0.87		ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.098	U	ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	0.53	I	ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	1.6		ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	0.95		ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.56		ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.098	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.098	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.098	U	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAc acid**	0.098	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAc acid**	0.098	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	1.0	I	ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.098	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.098	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.098	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.098	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.098	U	ug/Kg	P382083	
2170137	SM 2540 G (20th)	% Solid**	96.1		%	P382103	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 12:09

Field ID: SB-248 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170126	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P382083	
		Perfluorodecanoic acid (PFDA)**	0.14	U	ug/Kg	P382083	
		Perfluorododecanoic acid (PFDoA)**	0.14	U	ug/Kg	P382083	
		Perfluoroheptanoic acid (PFHpA)**	1.9		ug/Kg	P382083	
		Perfluorohexanesulfonic acid (PFHxS)**	0.53	I	ug/Kg	P382083	
		Perfluorohexanoic acid (PFHxA)**	4.4		ug/Kg	P382083	
		Perfluorononanoic acid (PFNA)**	0.14	U	ug/Kg	P382083	
		Perfluorooctanesulfonic acid (PFOS)**	0.29	U	ug/Kg	P382083	
		Perfluorooctanoic acid (PFOA)**	0.36	I	ug/Kg	P382083	
		Perfluorotetradecanoic acid (PFTeA)**	0.14	U	ug/Kg	P382083	
		Perfluorotridecanoic acid (PFTriA)**	0.14	U	ug/Kg	P382083	
		Perfluoroundecanoic acid (PFUnA)**	0.14	U	ug/Kg	P382083	
		N-Me perfluorooctanesulfonamidoAcid**	0.14	U	ug/Kg	P382083	
		N-Et perfluorooctanesulfonamidoAcid**	0.14	U	ug/Kg	P382083	
		Perfluoropentanoic acid (PFPeA)**	5.8		ug/Kg	P382083	MS
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.29	U	ug/Kg	P382083	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P382083	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.58	U	ug/Kg	P382083	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.29	U	ug/Kg	P382083	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P382083	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P382083	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P382083	
		Hexafluoropropylene oxide dimer acid**	0.14	U	ug/Kg	P382083	
2170138	SM 2540 G (20th)	% Solid**	72.3		%	P382103	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:49

Field ID: SB-249 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170127	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.42	I	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.13	I	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.85	I	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.22	I	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.40	I	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.65		ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	4.7		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.38	I	ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.21	I	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.90	I	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.11	UJ	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382084	
2170139	SM 2540 G (20th)	% Solid**	93.5	A	%	P382104	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:50

Field ID: SB-249 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170128	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.61	I	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	I	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.30	I	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.69		ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	15		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.38	I	ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.84	I	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382084	
2170140	SM 2540 G (20th)	% Solid**	91.3		%	P382104	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:54

Field ID: SB-249 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170129	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.12	U	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.51	I	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	U	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.23	U	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.53		ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	14		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.32	I	ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAcid**	0.12	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.81	I	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.47	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382084	
2170141	SM 2540 G (20th)	% Solid**	84.3		%	P382104	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 14:09

Field ID: SB-250 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170130	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.096	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.19	I	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.096	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.65	I	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.11	I	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.25	I	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.80		ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	2.0		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.37	I	ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.096	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.096	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.13	I	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAcid**	0.096	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAcid**	0.096	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.69	I	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.096	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.096	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.096	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.096	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.096	U	ug/Kg	P382084	
2170142	SM 2540 G (20th)	% Solid**	97.5		%	P382104	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 14:41

Field ID: SB-250 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170143	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.098	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.098	U	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.098	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.47	I	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.16	I	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.21	I	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.44		ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	0.88		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.69		ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.098	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.098	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.098	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAcid**	0.098	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAcid**	0.098	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.45	I	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.098	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.098	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.098	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.098	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.098	U	ug/Kg	P382084	
2170155	SM 2540 G (20th)	% Solid**	96.6		%	P382104	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 14:45

Field ID: SB-250 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170144	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.51	I	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.14	I	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.10	U	ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	0.21	U	ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.55		ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.41	U	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382084	
2170156	SM 2540 G (20th)	% Solid**	95.6		%	P382104	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:50

Field ID: SB-251 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170145	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.095	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.17	I	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.11	I	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.40	I	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.18	I	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.22	I	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.39		ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	3.2		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.33	I	ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.095	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.095	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.095	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAcid**	0.095	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAcid**	0.095	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.38	U	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.095	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.38	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.095	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.095	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.095	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.095	U	ug/Kg	P382084	
2170157	SM 2540 G (20th)	% Solid**	95.9		%	P382104	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:52

Field ID: SB-251 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170146	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.094	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.094	U	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.094	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.24	I	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.21	I	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.19	U	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.094	U	ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	1.2		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.30	I	ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.094	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.094	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.094	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAc acid**	0.094	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAc acid**	0.094	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.37	U	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.094	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.37	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.094	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.094	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.094	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.094	U	ug/Kg	P382084	
2170158	SM 2540 G (20th)	% Solid**	96.8		%	P382104	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:55

Field ID: SB-251 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170147	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.10	U	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.10	U	ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	0.21	U	ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.10	U	ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.41	U	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382084	
2170159	SM 2540 G (20th)	% Solid**	95.7		%	P382104	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 10:08

Field ID: SB-252 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170148	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.42	I	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.11	U	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.22	I	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.13	I	ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	0.89		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.38	I	ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.59	I	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.43	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.22	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382084	
2170160	SM 2540 G (20th)	% Solid**	89.2		%	P382104	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 10:11

Field ID: SB-252 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170149	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.10	U	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.20	U	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.10	U	ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	0.20	U	ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.10	U	ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.41	U	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382084	
2170161	SM 2540 G (20th)	% Solid**	97.2	A	%	P382105	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 10:13

Field ID: SB-252 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170150	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.092	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.092	U	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.092	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.18	U	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.14	I	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.18	U	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.092	U	ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	0.18	U	ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.092	U	ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.092	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.092	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.092	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAc acid**	0.092	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAc acid**	0.092	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.37	U	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.18	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.092	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.37	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.18	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.092	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.092	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.092	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.092	U	ug/Kg	P382084	
2170162	SM 2540 G (20th)	% Solid**	96.3		%	P382105	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:01

Field ID: SB-253 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170151	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	1.8		ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	1.1		ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	2.1		ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.13	I	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.41	I	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	3.4		ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	5.7		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	3.2		ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.22	I	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.76		ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.91	I	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.44	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	13		ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382084	
2170163	SM 2540 G (20th)	% Solid**	88.7		%	P382105	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:03

Field ID: SB-253 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170152	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.24	I	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	5.5		ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.61		ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.72	I	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	5.1		ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	43		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	5.6		ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	1.7	I	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.48	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	7.8		ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382084	
2170164	SM 2540 G (20th)	% Solid**	86.8		%	P382105	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:10

Field ID: SB-253 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170153	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.18	I	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.32	I	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.23	I	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	8.0		ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	5.4		ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	2.7		ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	2.5		ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	43		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	6.5		ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.16	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.16	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.16	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAcid**	0.16	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAcid**	0.16	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	7.8		ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.32	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.36	I	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.64	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	5.3		ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.23	I	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.16	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.16	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.16	U	ug/Kg	P382084	
2170165	SM 2540 G (20th)	% Solid**	67.3		%	P382105	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 10:20

Field ID: SB-254 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170154	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.099	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.099	U	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.099	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.65	I	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.099	U	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.28	I	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.48		ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	3.1		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.43		ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.099	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.099	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.099	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAcid**	0.099	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAcid**	0.099	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.55	I	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.099	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.099	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.099	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.099	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.099	U	ug/Kg	P382084	
2170166	SM 2540 G (20th)	% Solid**	95.3		%	P382105	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 10:22

Field ID: SB-254 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170167	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.55	I	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.10	U	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.49	I	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.14	I	ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	13		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.49		ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.41	U	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.10	U	ug/Kg	P382084	
2170179	SM 2540 G (20th)	% Solid**	95.2		%	P382105	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 10:24

Field ID: SB-254 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170168	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.12	U	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.39	I	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.94		ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.12	U	ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	2.7		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.19	I	ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.47	U	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.47	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.24	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382084	
2170180	SM 2540 G (20th)	% Solid**	87.0		%	P382105	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:19

Field ID: SB-255 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170169	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.38	I	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.21	I	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.57	I	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.39	I	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.23	U	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.37	I	ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	8.3		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.49		ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.24	I	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.56		ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.46	U	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.46	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.86		ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.22	I	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.11	U	ug/Kg	P382084	
2170181	SM 2540 G (20th)	% Solid**	88.0		%	P382105	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:21

Field ID: SB-255 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170170	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382084	
		Perfluorodecanoic acid (PFDA)**	0.12	U	ug/Kg	P382084	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382084	
		Perfluoroheptanoic acid (PFHpA)**	0.74	I	ug/Kg	P382084	
		Perfluorohexanesulfonic acid (PFHxS)**	0.28	I	ug/Kg	P382084	
		Perfluorohexanoic acid (PFHxA)**	0.32	I	ug/Kg	P382084	
		Perfluorononanoic acid (PFNA)**	0.49		ug/Kg	P382084	
		Perfluorooctanesulfonic acid (PFOS)**	5.8		ug/Kg	P382084	
		Perfluorooctanoic acid (PFOA)**	0.36	I	ug/Kg	P382084	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382084	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382084	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382084	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382084	
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382084	
		Perfluoropentanoic acid (PFPeA)**	0.49	U	ug/Kg	P382084	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.25	U	ug/Kg	P382084	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P382084	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.49	U	ug/Kg	P382084	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.25	U	ug/Kg	P382084	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P382084	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P382084	MS
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382084	
		Hexafluoropropylene oxide dimer acid**	0.12	U	ug/Kg	P382084	
2170182	SM 2540 G (20th)	% Solid**	85.6		%	P382105	

Ref. Method and Comment:

EPA 8321B: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:23

Field ID: SB-255 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170171	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.10	U	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.20	U	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.28	I	ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	4.3		ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.19	I	ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.41	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382092	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382092	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382092	
		Hexafluoropropylene oxide dimer acid**	0.41	U	ug/Kg	P382092	
2170183	SM 2540 G (20th)	% Solid**	94.5	A	%	P382106	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 12:04

Field ID: SB-256 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170172	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.097	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.097	U	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.097	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.29	I	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.17	I	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.19	U	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.15	I	ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	1.7		ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.40		ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.097	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.097	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.097	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAcid**	0.097	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAcid**	0.097	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.39	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.097	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.097	U	ug/Kg	P382092	
Perfluorononanesulfonic acid (PFNS)**	0.097	U	ug/Kg	P382092			
Perfluorodecanesulfonic acid (PFDS)**	0.097	U	ug/Kg	P382092			
Hexafluoropropylene oxide dimer acid**	0.39	U	ug/Kg	P382092			
2170184	SM 2540 G (20th)	% Solid**	96.4		%	P382106	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 12:06

Field ID: SB-256 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170173	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.093	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.093	U	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.093	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.19	U	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.46		ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.19	U	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.093	U	ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	0.68	I	ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.18	I	ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.093	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.093	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.093	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAcid**	0.093	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAcid**	0.093	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.37	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.093	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.37	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.093	U	ug/Kg	P382092	
Perfluorononanesulfonic acid (PFNS)**	0.093	U	ug/Kg	P382092			
Perfluorodecanesulfonic acid (PFDS)**	0.093	U	ug/Kg	P382092			
Hexafluoropropylene oxide dimer acid**	0.37	U	ug/Kg	P382092			
2170185	SM 2540 G (20th)	% Solid**	96.7		%	P382106	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 12:08

Field ID: SB-256 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170174	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.10	U	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.10	U	ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	0.21	U	ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.10	U	ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.41	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382092	
Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382092			
Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382092			
Hexafluoropropylene oxide dimer acid**	0.41	U	ug/Kg	P382092			
2170186	SM 2540 G (20th)	% Solid**	96.0		%	P382106	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:01

Field ID: SB-257 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170175	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.092	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	11		ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	4.3		ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	4.0		ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.65		ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	2.0		ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	6.9		ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	15		ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	4.2		ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	1.4		ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	1.4		ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	6.7		ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAc acid**	0.092	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAc acid**	0.092	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	2.8		ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.18	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.092	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	1.1	I	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	24		ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.092	U	ug/Kg	P382092	
		Perfluorononanesulfonic acid (PFNS)**	0.18	I	ug/Kg	P382092	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	I	ug/Kg	P382092	
		Hexafluoropropylene oxide dimer acid**	0.37	U	ug/Kg	P382092	
2170187	SM 2540 G (20th)	% Solid**	96.4		%	P382106	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:04

Field ID: SB-257 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170176	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	2.9		ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.19	I	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	3.4		ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.59		ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.95		ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	10		ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	47		ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	10		ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.26	I	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.91	I	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.92	I	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	100		ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382092	
Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382092			
Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382092			
Hexafluoropropylene oxide dimer acid**	0.41	U	ug/Kg	P382092			
2170188	SM 2540 G (20th)	% Solid**	97.4		%	P382106	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:07

Field ID: SB-257 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170177	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.27	I	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	3.2		ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.59		ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.85		ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	4.5		ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	6.1		ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	6.2		ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.90	I	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.45	I	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	16		ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382092	
Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P382092			
Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382092			
Hexafluoropropylene oxide dimer acid**	0.42	U	ug/Kg	P382092			
2170189	SM 2540 G (20th)	% Solid**	95.7		%	P382106	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 14:50

Field ID: SB-258 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170178	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.18	I	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.17	I	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.47		ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	2.5		ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.23	I	ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.41	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382092	
Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382092			
Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382092			
Hexafluoropropylene oxide dimer acid**	0.41	U	ug/Kg	P382092			
2170190	SM 2540 G (20th)	% Solid**	96.1		%	P382106	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 14:52

Field ID: SB-258 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170191	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.22	I	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.10	U	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.45		ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	2.4		ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.28	I	ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382092	
Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382092			
Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382092			
Hexafluoropropylene oxide dimer acid**	0.42	U	ug/Kg	P382092			
2170203	SM 2540 G (20th)	% Solid**	95.9		%	P382106	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 14:55

Field ID: SB-258 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170192	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.10	U	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.10	U	ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	0.38	I	ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.19	I	ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.41	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.41	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382092	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382092	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382092	
		Hexafluoropropylene oxide dimer acid**	0.41	U	ug/Kg	P382092	
2170204	SM 2540 G (20th)	% Solid**	94.9		%	P382106	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 15:28

Field ID: SB-259 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170193	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.12	I	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	1.2		ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.43	I	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.61	I	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.67		ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	3.3		ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	1.1		ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	1.5	I	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.46	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382092	
Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P382092			
Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382092			
Hexafluoropropylene oxide dimer acid**	0.46	U	ug/Kg	P382092			
2170205	SM 2540 G (20th)	% Solid**	90.2	A	%	P382107	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 15:31

Field ID: SB-259 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170194	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.12	U	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.91	I	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.69		ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.78	I	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.30	I	ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	2.0		ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.75		ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.96	I	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.48	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.24	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P382092	
Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P382092			
Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382092			
Hexafluoropropylene oxide dimer acid**	0.48	U	ug/Kg	P382092			
2170206	SM 2540 G (20th)	% Solid**	88.1		%	P382107	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 15:37

Field ID: SB-259 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170195	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.18	I	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.11	U	ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	0.22	U	ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.13	I	ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.43	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.43	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.22	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382092	
Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P382092			
Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382092			
Hexafluoropropylene oxide dimer acid**	0.43	U	ug/Kg	P382092			
2170207	SM 2540 G (20th)	% Solid**	87.6		%	P382107	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 15:15

Field ID: SB-260 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170196	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.11	I	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.23	I	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.10	U	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.27	I	ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	0.56	I	ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.22	I	ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382092	
Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382092			
Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382092			
Hexafluoropropylene oxide dimer acid**	0.42	U	ug/Kg	P382092			
2170208	SM 2540 G (20th)	% Solid**	91.7		%	P382107	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 15:17

Field ID: SB-260 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170197	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.39	I	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.11	U	ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	0.27	I	ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.15	I	ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.44	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.44	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.22	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382092	
Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P382092			
Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382092			
Hexafluoropropylene oxide dimer acid**	0.44	U	ug/Kg	P382092			
2170209	SM 2540 G (20th)	% Solid**	90.2		%	P382107	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 15:20

Field ID: SB-260 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170198	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.14	U	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.14	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.27	U	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.16	I	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.27	U	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.14	U	ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	0.27	U	ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.16	I	ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.14	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.14	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.14	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAcid**	0.14	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAcid**	0.14	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.55	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.27	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.55	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.27	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P382092	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P382092	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P382092	
		Hexafluoropropylene oxide dimer acid**	0.55	U	ug/Kg	P382092	
2170210	SM 2540 G (20th)	% Solid**	77.6		%	P382107	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 15:52

Field ID: SB-261 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170211	SM 2540 G (20th)	% Solid**	97.3		%	P382107	
2170291	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.097	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.097	U	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.097	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.41	I	ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	0.097	U	ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.19	U	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	0.18	I	ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	0.58	I	ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	0.38	I	ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.097	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.097	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.097	U	ug/Kg	P382093	

Field ID: SB-261 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170291	EPA 8321B	N-Me perfluorooctanesulfonamidoAc acid**	0.097	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.097	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.39	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.097	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.19	U	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.097	U	ug/Kg	P382093	
		Perfluorononanesulfonic acid (PFNS)**	0.097	U	ug/Kg	P382093	
		Perfluorodecanesulfonic acid (PFDS)**	0.097	U	ug/Kg	P382093	
		Hexafluoropropylene oxide dimer acid**	0.39	U	ug/Kg	P382093	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 15:54

Field ID: SB-261 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170212	SM 2540 G (20th)	% Solid**	89.7		%	P382107	
2170292	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	0.14	I	ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	0.11	U	ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	0.24	I	ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	0.11	U	ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.43	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.43	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.22	U	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382093	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P382093	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382093	
		Hexafluoropropylene oxide dimer acid**	0.43	U	ug/Kg	P382093	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 15:58

Field ID: SB-261 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170213	SM 2540 G (20th)	% Solid**	94.1		%	P382107	
2170293	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	0.11	U	ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	0.11	U	ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	0.21	U	ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	0.11	U	ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.43	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.43	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382093	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P382093	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382093	
		Hexafluoropropylene oxide dimer acid**	0.43	U	ug/Kg	P382093	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 15:05

Field ID: SB-262 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170199	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.27	I	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.24	I	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	U	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.27	I	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.42	I	ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	1.5		ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.24	I	ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.48	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.48	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.24	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P382092	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P382092	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382092	
		Hexafluoropropylene oxide dimer acid**	0.48	U	ug/Kg	P382092	
2170214	SM 2540 G (20th)	% Solid**	84.7		%	P382107	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 15:08

Field ID: SB-262 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170215	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	I	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.10	U	ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	0.21	U	ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.18	I	ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382092	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382092	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382092	
		Hexafluoropropylene oxide dimer acid**	0.42	U	ug/Kg	P382092	
2170227	SM 2540 G (20th)	% Solid**	95.8	A	%	P382110	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 15:12

Field ID: SB-262 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170216	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.13	U	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.13	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.26	I	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.26	U	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.13	U	ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	0.26	U	ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.16	I	ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.13	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.13	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.13	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAcid**	0.13	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAcid**	0.13	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.53	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.26	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.53	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.26	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P382092	
Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P382092			
Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P382092			
Hexafluoropropylene oxide dimer acid**	0.53	U	ug/Kg	P382092			
2170228	SM 2540 G (20th)	% Solid**	83.1		%	P382110	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 14:49

Field ID: SB-263 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170217	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382092	
		Perfluorodecanoic acid (PFDA)**	0.13	I	ug/Kg	P382092	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382092	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382092	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	I	ug/Kg	P382092	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382092	
		Perfluorononanoic acid (PFNA)**	0.19	I	ug/Kg	P382092	
		Perfluorooctanesulfonic acid (PFOS)**	1.0		ug/Kg	P382092	
		Perfluorooctanoic acid (PFOA)**	0.21	I	ug/Kg	P382092	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382092	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382092	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382092	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382092	
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	U	ug/Kg	P382092	
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P382092	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382092	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382092	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382092	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382092	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382092	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382092	
		Hexafluoropropylene oxide dimer acid**	0.42	U	ug/Kg	P382092	
2170229	SM 2540 G (20th)	% Solid**	94.7		%	P382110	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 14:51

Field ID: SB-263 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170218	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	0.10	U	ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.20	U	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	0.10	U	ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	0.21	I	ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	0.10	U	ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAc acid**	0.10	UJ	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.10	UJ	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.40	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382093	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382093	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382093	
		Hexafluoropropylene oxide dimer acid**	0.40	U	ug/Kg	P382093	
2170230	SM 2540 G (20th)	% Solid**	95.8		%	P382110	

Ref. Method and Comment:

EPA 8321B: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 14:53

Field ID: SB-263 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170219	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.099	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.099	U	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.099	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	0.099	U	ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.20	U	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	0.099	U	ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	0.20	U	ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	0.099	U	ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.099	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.099	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.099	U	ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAc acid**	0.099	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.099	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.40	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.099	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.40	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.20	U	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.099	U	ug/Kg	P382093	
Perfluorononanesulfonic acid (PFNS)**	0.099	U	ug/Kg	P382093			
Perfluorodecanesulfonic acid (PFDS)**	0.099	U	ug/Kg	P382093			
Hexafluoropropylene oxide dimer acid**	0.40	U	ug/Kg	P382093			
2170231	SM 2540 G (20th)	% Solid**	96.7		%	P382110	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:13

Field ID: SB-264 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170220	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.092	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.14	I	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.092	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.19	I	ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	0.092	U	ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.18	U	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	0.092	U	ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	0.61	I	ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	0.28	I	ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.092	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.092	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.092	U	ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAcid**	0.092	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAcid**	0.092	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.37	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.18	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.092	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.37	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.18	U	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.092	U	ug/Kg	P382093	
Perfluorononanesulfonic acid (PFNS)**	0.092	U	ug/Kg	P382093			
Perfluorodecanesulfonic acid (PFDS)**	0.092	U	ug/Kg	P382093			
Hexafluoropropylene oxide dimer acid**	0.37	U	ug/Kg	P382093			
2170232	SM 2540 G (20th)	% Solid**	96.1		%	P382110	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:15

Field ID: SB-264 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170221	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.10	U	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.10	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	0.28	I	ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	0.10	U	ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	0.21	U	ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	0.10	U	ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.10	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.10	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.10	U	ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAcid**	0.10	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.42	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.42	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P382093	
Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P382093			
Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P382093			
Hexafluoropropylene oxide dimer acid**	0.42	U	ug/Kg	P382093			
2170233	SM 2540 G (20th)	% Solid**	90.2		%	P382110	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 11:19

Field ID: SB-264 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170222	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.14	U	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.14	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.27	U	ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	0.14	U	ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.27	U	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	0.14	U	ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	0.27	U	ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	0.14	I	ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.14	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.14	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.14	U	ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAc acid**	0.14	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.14	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.54	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.27	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.54	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.27	U	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P382093	
Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P382093			
Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P382093			
Hexafluoropropylene oxide dimer acid**	0.54	U	ug/Kg	P382093			
2170234	SM 2540 G (20th)	% Solid**	76.6		%	P382110	

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 15:15

Field ID: SB-265 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170223	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.22	I	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.56		ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.32	I	ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	1.5		ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.26	I	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	0.29	I	ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	21		ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	0.42	I	ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.48		ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	1.6		ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.61	I	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.27	I	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.46	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382093	
Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P382093			
Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382093			
Hexafluoropropylene oxide dimer acid**	0.46	U	ug/Kg	P382093			
2170235	SM 2540 G (20th)	% Solid**	88.4		%	P382110	

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 15:36

Field ID: SB-265 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170224	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.26	I	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.29	I	ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	2.4		ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	0.74		ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	30		ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	0.54		ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.46		ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	2.4		ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.45	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.21	I	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.45	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.22	U	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.22	I	ug/Kg	P382093	
Perfluorononanesulfonic acid (PFNS)**	0.14	I	ug/Kg	P382093			
Perfluorodecanesulfonic acid (PFDS)**	0.28	I	ug/Kg	P382093			
Hexafluoropropylene oxide dimer acid**	0.45	U	ug/Kg	P382093			
2170236	SM 2540 G (20th)	% Solid**	89.9		%	P382110	

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 15:42

Field ID: SB-265 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170225	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.19	I	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.45	I	ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	3.6		ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	1.9		ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	63		ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	0.87		ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.56		ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	1.8		ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.43	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.24	I	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.43	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.21	U	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.37	I	ug/Kg	P382093	
		Perfluorononanesulfonic acid (PFNS)**	0.38	I	ug/Kg	P382093	
		Perfluorodecanesulfonic acid (PFDS)**	0.46		ug/Kg	P382093	
		Hexafluoropropylene oxide dimer acid**	0.43	U	ug/Kg	P382093	
2170237	SM 2540 G (20th)	% Solid**	91.4	A	%	P382111	

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 09:06

Field ID: SB-266 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170226	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	2.3		ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	0.11	U	ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	9.8		ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	0.11	U	ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAcid**	0.11	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.44	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.22	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.44	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.22	U	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382093	
Perfluorononanesulfonic acid (PFNS)**	0.47		ug/Kg	P382093			
Perfluorodecanesulfonic acid (PFDS)**	0.24	I	ug/Kg	P382093			
Hexafluoropropylene oxide dimer acid**	0.44	U	ug/Kg	P382093			
2170238	SM 2540 G (20th)	% Solid**	89.2		%	P382111	

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 09:10

Field ID: SB-266 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170239	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	1.6		ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.23	U	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	0.11	U	ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	15		ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	0.16	I	ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.46	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.46	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382093	
		Perfluorononanesulfonic acid (PFNS)**	0.24	I	ug/Kg	P382093	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	I	ug/Kg	P382093	
		Hexafluoropropylene oxide dimer acid**	0.46	U	ug/Kg	P382093	
2170251	SM 2540 G (20th)	% Solid**	91.3		%	P382111	

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 09:17

Field ID: SB-266 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170240	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.11	U	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.11	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	0.32	I	ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.23	U	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	0.11	U	ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	11		ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	0.11	U	ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.11	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.11	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.11	U	ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.46	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.23	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.46	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.23	U	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382093	
Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P382093			
Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382093			
Hexafluoropropylene oxide dimer acid**	0.46	U	ug/Kg	P382093			
2170252	SM 2540 G (20th)	% Solid**	86.0		%	P382111	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 15:53

Field ID: SB-267 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170241	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	5.1		ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	1.2		ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	7.6		ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	0.11	U	ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	2.7		ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	8.9		ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	0.98		ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	9.0		ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.41	I	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.35	I	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	1.5		ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.11	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	4.2		ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.21	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.43	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	23		ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P382093	
Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P382093			
Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P382093			
Hexafluoropropylene oxide dimer acid**	0.43	U	ug/Kg	P382093			
2170253	SM 2540 G (20th)	% Solid**	92.9		%	P382111	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 15:58

Field ID: SB-267 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170242	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.098	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.11	I	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.098	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	6.4		ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	0.098	U	ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.83		ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	4.7		ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	0.20	U	ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	8.4		ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.098	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.098	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.098	U	ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAc acid**	0.098	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.098	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.53	I	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.20	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.098	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	3.6		ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.098	U	ug/Kg	P382093	
		Perfluorononanesulfonic acid (PFNS)**	0.098	U	ug/Kg	P382093	
		Perfluorodecanesulfonic acid (PFDS)**	0.098	U	ug/Kg	P382093	
		Hexafluoropropylene oxide dimer acid**	0.39	U	ug/Kg	P382093	
2170254	SM 2540 G (20th)	% Solid**	93.3		%	P382111	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 16:01

Field ID: SB-267 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170243	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.12	U	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.12	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	2.6		ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	U	ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	1.1		ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	0.83		ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	0.24	U	ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	4.3		ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.12	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.12	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.12	U	ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.12	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	1.5	I	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.24	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.49	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	0.38	I	ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P382093	
Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P382093			
Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P382093			
Hexafluoropropylene oxide dimer acid**	0.49	U	ug/Kg	P382093			
2170255	SM 2540 G (20th)	% Solid**	83.9		%	P382111	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 16:19

Field ID: SB-C-1 (0-0.5')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170244	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.097	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	3.4		ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	2.0		ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.95		ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	0.93		ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.23	I	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	1.2		ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	13		ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	1.4		ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.39		ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	1.8		ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	4.0		ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAcid**	0.097	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAcid**	0.097	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.59	I	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.097	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.39	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	14		ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.097	U	ug/Kg	P382093	
Perfluorononanesulfonic acid (PFNS)**	0.70		ug/Kg	P382093			
Perfluorodecanesulfonic acid (PFDS)**	0.80		ug/Kg	P382093			
Hexafluoropropylene oxide dimer acid**	0.39	U	ug/Kg	P382093			
2170256	SM 2540 G (20th)	% Solid**	97.9		%	P382111	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 16:21

Field ID: SB-C-1 (0.5-2')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170245	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.089	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	1.3		ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.089	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.94		ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	2.8		ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.23	I	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	4.9		ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	39		ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	2.7		ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.089	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.089	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.53		ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAc acid**	0.089	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.089	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.36	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.18	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.089	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.36	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	38		ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.60		ug/Kg	P382093	
		Perfluorononanesulfonic acid (PFNS)**	0.64		ug/Kg	P382093	
		Perfluorodecanesulfonic acid (PFDS)**	0.089	U	ug/Kg	P382093	
		Hexafluoropropylene oxide dimer acid**	0.36	U	ug/Kg	P382093	
2170257	SM 2540 G (20th)	% Solid**	98.2		%	P382111	

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 16:25

Field ID: SB-C-1 (2-4')

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170246	EPA 8321B	Perfluorobutanesulfonic acid (PFBS)**	0.094	U	ug/Kg	P382093	
		Perfluorodecanoic acid (PFDA)**	0.094	U	ug/Kg	P382093	
		Perfluorododecanoic acid (PFDoA)**	0.094	U	ug/Kg	P382093	
		Perfluoroheptanoic acid (PFHpA)**	0.94		ug/Kg	P382093	
		Perfluorohexanesulfonic acid (PFHxS)**	2.5		ug/Kg	P382093	
		Perfluorohexanoic acid (PFHxA)**	0.19	U	ug/Kg	P382093	
		Perfluorononanoic acid (PFNA)**	1.8		ug/Kg	P382093	
		Perfluorooctanesulfonic acid (PFOS)**	56		ug/Kg	P382093	
		Perfluorooctanoic acid (PFOA)**	2.4		ug/Kg	P382093	
		Perfluorotetradecanoic acid (PFTeA)**	0.094	U	ug/Kg	P382093	
		Perfluorotridecanoic acid (PFTriA)**	0.094	U	ug/Kg	P382093	
		Perfluoroundecanoic acid (PFUnA)**	0.094	U	ug/Kg	P382093	
		N-Me perfluorooctanesulfonamidoAc acid**	0.094	U	ug/Kg	P382093	MS
		N-Et perfluorooctanesulfonamidoAc acid**	0.094	U	ug/Kg	P382093	MS
		Perfluoropentanoic acid (PFPeA)**	0.38	U	ug/Kg	P382093	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	0.19	U	ug/Kg	P382093	
		Perfluoropentanesulfonic acid (PFPeS)**	0.094	U	ug/Kg	P382093	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	0.38	U	ug/Kg	P382093	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	4.3		ug/Kg	P382093	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.31	I	ug/Kg	P382093	
		Perfluorononanesulfonic acid (PFNS)**	0.094	U	ug/Kg	P382093	
		Perfluorodecanesulfonic acid (PFDS)**	0.094	U	ug/Kg	P382093	
		Hexafluoropropylene oxide dimer acid**	0.38	U	ug/Kg	P382093	
2170258	SM 2540 G (20th)	% Solid**	96.4		%	P382111	

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 13:49

Field ID: EQB-33

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170247	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 14:35

Field ID: EQB-34

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170248	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P382138	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P382138	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P382138	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P382138	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P382138	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P382138	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P382138	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P382138	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P382138	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P382138	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P382138	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P382138	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P382138	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P382138	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P382138	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P382138	MS
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P382138	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P382138	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P382138	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P382138	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P382138	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P382138	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P382138	

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 15:50

Field ID: EQB-35

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170249	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 16:56

Field ID: EQB-36

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170250	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P382138	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P382138	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P382138	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P382138	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P382138	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P382138	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P382138	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P382138	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P382138	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P382138	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P382138	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P382138	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P382138	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P382138	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P382138	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P382138	MS
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P382138	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P382138	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P382138	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P382138	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P382138	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P382138	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P382138	

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 14:42

Field ID: EQB-37

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170263	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 09:52

Field ID: EQB-38

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170264	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 09:58

Field ID: EQB-39

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170265	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 12:39

Field ID: EQB-40

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170266	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 12:40

Field ID: EQB-40 MS/MSD

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170267	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 12:37

Field ID: EQB-41

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170268	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 14:38

Field ID: FRB-16

Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170269	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/06/2020 16:55

Field ID: FRB-17

Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170270	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 14:46

Field ID: FRB-18

Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170271	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 17:07

Field ID: FRB-19

Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170272	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/07/2020 17:10

Field ID: FRB-19 MS/MSD

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170273	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAc acid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAc acid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 16:07

Field ID: FRB-20

Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170274	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 16:08

Field ID: FRB-20 MS/MSD

Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170275	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Sample Location: Florida State Fire College

Collection Date/Time: 04/08/2020 16:09

Field ID: FRB-21

Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2170276	EPA 8321B	Perfluorooctanoic acid (PFOA)**	1.0	U	ng/L	P381975	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P381975	
		Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P381975	
		Perfluorodecanoic acid (PFDA)**	1.0	U	ng/L	P381975	
		Perfluorododecanoic acid (PFDoA)**	1.0	U	ng/L	P381975	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P381975	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	U	ng/L	P381975	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P381975	
		Perfluorononanoic acid (PFNA)**	1.0	U	ng/L	P381975	
		Perfluorotetradecanoic acid (PFTeA)**	0.40	U	ng/L	P381975	
		Perfluorotridecanoic acid (PFTriA)**	0.40	U	ng/L	P381975	
		Perfluoroundecanoic acid (PFUnA)**	1.0	U	ng/L	P381975	
		N-Me perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		N-Et perfluorooctanesulfonamidoAcid**	0.40	U	ng/L	P381975	
		Perfluoropentanoic acid (PFPeA)**	4.0	U	ng/L	P381975	
		4:2 Fluorotelomer sulfonate (4:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P381975	
		6:2 Fluorotelomer sulfonate (6:2 FTS)**	4.0	U	ng/L	P381975	
		8:2 Fluorotelomer sulfonate (8:2 FTS)**	2.0	U	ng/L	P381975	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.40	U	ng/L	P381975	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P381975	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P381975	
		Hexafluoropropylene oxide dimer acid**	1.0	U	ng/L	P381975	

Ref. Method and Comment:

EPA 8321B: No sample available for matrix spikes.

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B
Batch ID: P381975

Component	Result	Code	Units
4:2 Fluorotelomer sulfonate (4:2 FTS)	2.0	U	ng/L
6:2 Fluorotelomer sulfonate (6:2 FTS)	4.0	U	ng/L
8:2 Fluorotelomer sulfonate (8:2 FTS)	2.0	U	ng/L
Hexafluoropropylene oxide dimer acid	1.0	U	ng/L
N-Et perfluorooctanesulfonamidoAc acid	0.40	U	ng/L
N-Me perfluorooctanesulfonamidoAc acid	0.40	U	ng/L
Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L
Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L
Perfluorodecanoic acid (PFDA)	1.0	U	ng/L
Perfluorododecanoic acid (PFDoA)	1.0	U	ng/L
Perfluoroheptanesulfonic acid (PFHpS)	0.40	U	ng/L
Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L
Perfluorohexanesulfonic acid (PFHxS)	0.40	U	ng/L
Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L
Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L
Perfluorononanoic acid (PFNA)	1.0	U	ng/L
Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L
Perfluorooctanoic acid (PFOA)	1.0	U	ng/L
Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L
Perfluoropentanoic acid (PFPeA)	4.0	U	ng/L
Perfluorotetradecanoic acid (PFTeA)	0.40	U	ng/L
Perfluorotridecanoic acid (PFTriA)	0.40	U	ng/L
Perfluoroundecanoic acid (PFUnA)	1.0	U	ng/L

Reference Method: EPA 8321B
Batch ID: P381976

Component	Result	Code	Units
4:2 Fluorotelomer sulfonate (4:2 FTS)	0.19	U	ug/Kg
6:2 Fluorotelomer sulfonate (6:2 FTS)	0.38	U	ug/Kg
8:2 Fluorotelomer sulfonate (8:2 FTS)	0.19	U	ug/Kg
Hexafluoropropylene oxide dimer acid	0.096	U	ug/Kg
N-Et perfluorooctanesulfonamidoAc acid	0.096	U	ug/Kg
N-Me perfluorooctanesulfonamidoAc acid	0.096	U	ug/Kg
Perfluorobutanesulfonic acid (PFBS)	0.096	U	ug/Kg
Perfluorodecanesulfonic acid (PFDS)	0.096	U	ug/Kg
Perfluorodecanoic acid (PFDA)	0.096	U	ug/Kg
Perfluorododecanoic acid (PFDoA)	0.096	U	ug/Kg
Perfluoroheptanesulfonic acid (PFHpS)	0.096	U	ug/Kg
Perfluoroheptanoic acid (PFHpA)	0.19	U	ug/Kg
Perfluorohexanesulfonic acid (PFHxS)	0.096	U	ug/Kg
Perfluorohexanoic acid (PFHxA)	0.19	U	ug/Kg
Perfluorononanesulfonic acid (PFNS)	0.096	U	ug/Kg
Perfluorononanoic acid (PFNA)	0.096	U	ug/Kg
Perfluorooctanesulfonic acid (PFOS)	0.19	U	ug/Kg
Perfluorooctanoic acid (PFOA)	0.096	U	ug/Kg
Perfluoropentanesulfonic acid (PFPeS)	0.096	U	ug/Kg
Perfluoropentanoic acid (PFPeA)	0.38	U	ug/Kg
Perfluorotetradecanoic acid (PFTeA)	0.096	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	0.096	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	0.096	U	ug/Kg

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B
Batch ID: P381977

Component	Result	Code	Units
4:2 Fluorotelomer sulfonate (4:2 FTS)	0.19	U	ug/Kg
6:2 Fluorotelomer sulfonate (6:2 FTS)	0.38	U	ug/Kg
8:2 Fluorotelomer sulfonate (8:2 FTS)	0.19	U	ug/Kg
Hexafluoropropylene oxide dimer acid	0.094	U	ug/Kg
N-Et perfluorooctanesulfonamidoAc acid	0.094	U	ug/Kg
N-Me perfluorooctanesulfonamidoAc acid	0.094	U	ug/Kg
Perfluorobutanesulfonic acid (PFBS)	0.094	U	ug/Kg
Perfluorodecanesulfonic acid (PFDS)	0.094	U	ug/Kg
Perfluorodecanoic acid (PFDA)	0.094	U	ug/Kg
Perfluorododecanoic acid (PFDoA)	0.094	U	ug/Kg
Perfluoroheptanesulfonic acid (PFHpS)	0.094	U	ug/Kg
Perfluoroheptanoic acid (PFHpA)	0.19	U	ug/Kg
Perfluorohexanesulfonic acid (PFHxS)	0.094	U	ug/Kg
Perfluorohexanoic acid (PFHxA)	0.19	U	ug/Kg
Perfluorononanesulfonic acid (PFNS)	0.094	U	ug/Kg
Perfluorononanoic acid (PFNA)	0.094	U	ug/Kg
Perfluorooctanesulfonic acid (PFOS)	0.19	U	ug/Kg
Perfluorooctanoic acid (PFOA)	0.094	U	ug/Kg
Perfluoropentanesulfonic acid (PFPeS)	0.094	U	ug/Kg
Perfluoropentanoic acid (PFPeA)	0.38	U	ug/Kg
Perfluorotetradecanoic acid (PFTeA)	0.094	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	0.094	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	0.094	U	ug/Kg

Reference Method: EPA 8321B
Batch ID: P382038

Component	Result	Code	Units
4:2 Fluorotelomer sulfonate (4:2 FTS)	0.18	U	ug/Kg
6:2 Fluorotelomer sulfonate (6:2 FTS)	0.36	U	ug/Kg
8:2 Fluorotelomer sulfonate (8:2 FTS)	0.18	U	ug/Kg
Hexafluoropropylene oxide dimer acid	0.091	U	ug/Kg
N-Et perfluorooctanesulfonamidoAc acid	0.091	U	ug/Kg
N-Me perfluorooctanesulfonamidoAc acid	0.091	U	ug/Kg
Perfluorobutanesulfonic acid (PFBS)	0.091	U	ug/Kg
Perfluorodecanesulfonic acid (PFDS)	0.091	U	ug/Kg
Perfluorodecanoic acid (PFDA)	0.091	U	ug/Kg
Perfluorododecanoic acid (PFDoA)	0.091	U	ug/Kg
Perfluoroheptanesulfonic acid (PFHpS)	0.091	U	ug/Kg
Perfluoroheptanoic acid (PFHpA)	0.18	U	ug/Kg
Perfluorohexanesulfonic acid (PFHxS)	0.091	U	ug/Kg
Perfluorohexanoic acid (PFHxA)	0.18	U	ug/Kg
Perfluorononanesulfonic acid (PFNS)	0.091	U	ug/Kg
Perfluorononanoic acid (PFNA)	0.091	U	ug/Kg
Perfluorooctanesulfonic acid (PFOS)	0.18	U	ug/Kg
Perfluorooctanoic acid (PFOA)	0.091	U	ug/Kg
Perfluoropentanesulfonic acid (PFPeS)	0.091	U	ug/Kg
Perfluoropentanoic acid (PFPeA)	0.36	U	ug/Kg
Perfluorotetradecanoic acid (PFTeA)	0.091	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	0.091	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	0.091	U	ug/Kg

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B
Batch ID: P382039

Component	Result	Code	Units
4:2 Fluorotelomer sulfonate (4:2 FTS)	0.18	U	ug/Kg
6:2 Fluorotelomer sulfonate (6:2 FTS)	0.36	U	ug/Kg
8:2 Fluorotelomer sulfonate (8:2 FTS)	0.18	U	ug/Kg
Hexafluoropropylene oxide dimer acid	0.090	U	ug/Kg
N-Et perfluorooctanesulfonamidoAc acid	0.090	U	ug/Kg
N-Me perfluorooctanesulfonamidoAc acid	0.090	U	ug/Kg
Perfluorobutanesulfonic acid (PFBS)	0.090	U	ug/Kg
Perfluorodecanesulfonic acid (PFDS)	0.090	U	ug/Kg
Perfluorodecanoic acid (PFDA)	0.090	U	ug/Kg
Perfluorododecanoic acid (PFDoA)	0.090	U	ug/Kg
Perfluoroheptanesulfonic acid (PFHpS)	0.090	U	ug/Kg
Perfluoroheptanoic acid (PFHpA)	0.18	U	ug/Kg
Perfluorohexanesulfonic acid (PFHxS)	0.090	U	ug/Kg
Perfluorohexanoic acid (PFHxA)	0.18	U	ug/Kg
Perfluorononanesulfonic acid (PFNS)	0.090	U	ug/Kg
Perfluorononanoic acid (PFNA)	0.090	U	ug/Kg
Perfluorooctanesulfonic acid (PFOS)	0.18	U	ug/Kg
Perfluorooctanoic acid (PFOA)	0.090	U	ug/Kg
Perfluoropentanesulfonic acid (PFPeS)	0.090	U	ug/Kg
Perfluoropentanoic acid (PFPeA)	0.36	U	ug/Kg
Perfluorotetradecanoic acid (PFTeA)	0.090	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	0.090	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	0.090	U	ug/Kg

Reference Method: EPA 8321B
Batch ID: P382054

Component	Result	Code	Units
4:2 Fluorotelomer sulfonate (4:2 FTS)	0.20	U	ug/Kg
6:2 Fluorotelomer sulfonate (6:2 FTS)	0.39	U	ug/Kg
8:2 Fluorotelomer sulfonate (8:2 FTS)	0.20	U	ug/Kg
Hexafluoropropylene oxide dimer acid	0.098	U	ug/Kg
N-Et perfluorooctanesulfonamidoAc acid	0.098	U	ug/Kg
N-Me perfluorooctanesulfonamidoAc acid	0.098	U	ug/Kg
Perfluorobutanesulfonic acid (PFBS)	0.098	U	ug/Kg
Perfluorodecanesulfonic acid (PFDS)	0.098	U	ug/Kg
Perfluorodecanoic acid (PFDA)	0.098	U	ug/Kg
Perfluorododecanoic acid (PFDoA)	0.098	U	ug/Kg
Perfluoroheptanesulfonic acid (PFHpS)	0.098	U	ug/Kg
Perfluoroheptanoic acid (PFHpA)	0.20	U	ug/Kg
Perfluorohexanesulfonic acid (PFHxS)	0.098	U	ug/Kg
Perfluorohexanoic acid (PFHxA)	0.20	U	ug/Kg
Perfluorononanesulfonic acid (PFNS)	0.098	U	ug/Kg
Perfluorononanoic acid (PFNA)	0.098	U	ug/Kg
Perfluorooctanesulfonic acid (PFOS)	0.20	U	ug/Kg
Perfluorooctanoic acid (PFOA)	0.098	U	ug/Kg
Perfluoropentanesulfonic acid (PFPeS)	0.098	U	ug/Kg
Perfluoropentanoic acid (PFPeA)	0.39	U	ug/Kg
Perfluorotetradecanoic acid (PFTeA)	0.098	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	0.098	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	0.098	U	ug/Kg

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B
Batch ID: P382055

Component	Result	Code	Units
4:2 Fluorotelomer sulfonate (4:2 FTS)	0.19	U	ug/Kg
6:2 Fluorotelomer sulfonate (6:2 FTS)	0.38	U	ug/Kg
8:2 Fluorotelomer sulfonate (8:2 FTS)	0.19	U	ug/Kg
Hexafluoropropylene oxide dimer acid	0.094	U	ug/Kg
N-Et perfluorooctanesulfonamidoAc acid	0.094	U	ug/Kg
N-Me perfluorooctanesulfonamidoAc acid	0.094	U	ug/Kg
Perfluorobutanesulfonic acid (PFBS)	0.094	U	ug/Kg
Perfluorodecanesulfonic acid (PFDS)	0.094	U	ug/Kg
Perfluorodecanoic acid (PFDA)	0.094	U	ug/Kg
Perfluorododecanoic acid (PFDoA)	0.094	U	ug/Kg
Perfluoroheptanesulfonic acid (PFHpS)	0.094	U	ug/Kg
Perfluoroheptanoic acid (PFHpA)	0.19	U	ug/Kg
Perfluorohexanesulfonic acid (PFHxS)	0.094	U	ug/Kg
Perfluorohexanoic acid (PFHxA)	0.19	U	ug/Kg
Perfluorononanesulfonic acid (PFNS)	0.094	U	ug/Kg
Perfluorononanoic acid (PFNA)	0.094	U	ug/Kg
Perfluorooctanesulfonic acid (PFOS)	0.19	U	ug/Kg
Perfluorooctanoic acid (PFOA)	0.094	U	ug/Kg
Perfluoropentanesulfonic acid (PFPeS)	0.094	U	ug/Kg
Perfluoropentanoic acid (PFPeA)	0.38	U	ug/Kg
Perfluorotetradecanoic acid (PFTeA)	0.094	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	0.094	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	0.094	U	ug/Kg

Reference Method: EPA 8321B
Batch ID: P382083

Component	Result	Code	Units
4:2 Fluorotelomer sulfonate (4:2 FTS)	0.18	U	ug/Kg
6:2 Fluorotelomer sulfonate (6:2 FTS)	0.36	U	ug/Kg
8:2 Fluorotelomer sulfonate (8:2 FTS)	0.18	U	ug/Kg
Hexafluoropropylene oxide dimer acid	0.090	U	ug/Kg
N-Et perfluorooctanesulfonamidoAc acid	0.090	U	ug/Kg
N-Me perfluorooctanesulfonamidoAc acid	0.090	U	ug/Kg
Perfluorobutanesulfonic acid (PFBS)	0.090	U	ug/Kg
Perfluorodecanesulfonic acid (PFDS)	0.090	U	ug/Kg
Perfluorodecanoic acid (PFDA)	0.090	U	ug/Kg
Perfluorododecanoic acid (PFDoA)	0.090	U	ug/Kg
Perfluoroheptanesulfonic acid (PFHpS)	0.090	U	ug/Kg
Perfluoroheptanoic acid (PFHpA)	0.18	U	ug/Kg
Perfluorohexanesulfonic acid (PFHxS)	0.090	U	ug/Kg
Perfluorohexanoic acid (PFHxA)	0.18	U	ug/Kg
Perfluorononanesulfonic acid (PFNS)	0.090	U	ug/Kg
Perfluorononanoic acid (PFNA)	0.090	U	ug/Kg
Perfluorooctanesulfonic acid (PFOS)	0.18	U	ug/Kg
Perfluorooctanoic acid (PFOA)	0.090	U	ug/Kg
Perfluoropentanesulfonic acid (PFPeS)	0.090	U	ug/Kg
Perfluoropentanoic acid (PFPeA)	0.36	U	ug/Kg
Perfluorotetradecanoic acid (PFTeA)	0.090	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	0.090	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	0.090	U	ug/Kg

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B
Batch ID: P382084

Component	Result	Code	Units
4:2 Fluorotelomer sulfonate (4:2 FTS)	0.18	U	ug/Kg
6:2 Fluorotelomer sulfonate (6:2 FTS)	0.36	U	ug/Kg
8:2 Fluorotelomer sulfonate (8:2 FTS)	0.18	U	ug/Kg
Hexafluoropropylene oxide dimer acid	0.090	U	ug/Kg
N-Et perfluorooctanesulfonamidoAc acid	0.090	U	ug/Kg
N-Me perfluorooctanesulfonamidoAc acid	0.090	U	ug/Kg
Perfluorobutanesulfonic acid (PFBS)	0.090	U	ug/Kg
Perfluorodecanesulfonic acid (PFDS)	0.090	U	ug/Kg
Perfluorodecanoic acid (PFDA)	0.090	U	ug/Kg
Perfluorododecanoic acid (PFDoA)	0.090	U	ug/Kg
Perfluoroheptanesulfonic acid (PFHpS)	0.090	U	ug/Kg
Perfluoroheptanoic acid (PFHpA)	0.18	U	ug/Kg
Perfluorohexanesulfonic acid (PFHxS)	0.090	U	ug/Kg
Perfluorohexanoic acid (PFHxA)	0.18	U	ug/Kg
Perfluorononanesulfonic acid (PFNS)	0.090	U	ug/Kg
Perfluorononanoic acid (PFNA)	0.090	U	ug/Kg
Perfluorooctanesulfonic acid (PFOS)	0.18	U	ug/Kg
Perfluorooctanoic acid (PFOA)	0.090	U	ug/Kg
Perfluoropentanesulfonic acid (PFPeS)	0.090	U	ug/Kg
Perfluoropentanoic acid (PFPeA)	0.36	U	ug/Kg
Perfluorotetradecanoic acid (PFTeA)	0.090	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	0.090	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	0.090	U	ug/Kg

Reference Method: EPA 8321B
Batch ID: P382092

Component	Result	Code	Units
4:2 Fluorotelomer sulfonate (4:2 FTS)	0.20	U	ug/Kg
6:2 Fluorotelomer sulfonate (6:2 FTS)	0.40	U	ug/Kg
8:2 Fluorotelomer sulfonate (8:2 FTS)	0.20	U	ug/Kg
Hexafluoropropylene oxide dimer acid	0.40	U	ug/Kg
N-Et perfluorooctanesulfonamidoAc acid	0.10	U	ug/Kg
N-Me perfluorooctanesulfonamidoAc acid	0.10	U	ug/Kg
Perfluorobutanesulfonic acid (PFBS)	0.10	U	ug/Kg
Perfluorodecanesulfonic acid (PFDS)	0.10	U	ug/Kg
Perfluorodecanoic acid (PFDA)	0.10	U	ug/Kg
Perfluorododecanoic acid (PFDoA)	0.10	U	ug/Kg
Perfluoroheptanesulfonic acid (PFHpS)	0.10	U	ug/Kg
Perfluoroheptanoic acid (PFHpA)	0.20	U	ug/Kg
Perfluorohexanesulfonic acid (PFHxS)	0.10	U	ug/Kg
Perfluorohexanoic acid (PFHxA)	0.20	U	ug/Kg
Perfluorononanesulfonic acid (PFNS)	0.10	U	ug/Kg
Perfluorononanoic acid (PFNA)	0.10	U	ug/Kg
Perfluorooctanesulfonic acid (PFOS)	0.20	U	ug/Kg
Perfluorooctanoic acid (PFOA)	0.10	U	ug/Kg
Perfluoropentanesulfonic acid (PFPeS)	0.10	U	ug/Kg
Perfluoropentanoic acid (PFPeA)	0.40	U	ug/Kg
Perfluorotetradecanoic acid (PFTeA)	0.10	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	0.10	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	0.10	U	ug/Kg

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B
Batch ID: P382093

Component	Result	Code	Units
4:2 Fluorotelomer sulfonate (4:2 FTS)	0.20	U	ug/Kg
6:2 Fluorotelomer sulfonate (6:2 FTS)	0.40	U	ug/Kg
8:2 Fluorotelomer sulfonate (8:2 FTS)	0.20	U	ug/Kg
Hexafluoropropylene oxide dimer acid	0.40	U	ug/Kg
N-Et perfluorooctanesulfonamidoAc acid	0.10	U	ug/Kg
N-Me perfluorooctanesulfonamidoAc acid	0.10	U	ug/Kg
Perfluorobutanesulfonic acid (PFBS)	0.10	U	ug/Kg
Perfluorodecanesulfonic acid (PFDS)	0.10	U	ug/Kg
Perfluorodecanoic acid (PFDA)	0.10	U	ug/Kg
Perfluorododecanoic acid (PFDoA)	0.10	U	ug/Kg
Perfluoroheptanesulfonic acid (PFHpS)	0.10	U	ug/Kg
Perfluoroheptanoic acid (PFHpA)	0.20	U	ug/Kg
Perfluorohexanesulfonic acid (PFHxS)	0.10	U	ug/Kg
Perfluorohexanoic acid (PFHxA)	0.20	U	ug/Kg
Perfluorononanesulfonic acid (PFNS)	0.10	U	ug/Kg
Perfluorononanoic acid (PFNA)	0.10	U	ug/Kg
Perfluorooctanesulfonic acid (PFOS)	0.20	U	ug/Kg
Perfluorooctanoic acid (PFOA)	0.10	U	ug/Kg
Perfluoropentanesulfonic acid (PFPeS)	0.10	U	ug/Kg
Perfluoropentanoic acid (PFPeA)	0.40	U	ug/Kg
Perfluorotetradecanoic acid (PFTeA)	0.10	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	0.10	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	0.10	U	ug/Kg

Reference Method: EPA 8321B
Batch ID: P382138

Component	Result	Code	Units
4:2 Fluorotelomer sulfonate (4:2 FTS)	2.0	U	ng/L
6:2 Fluorotelomer sulfonate (6:2 FTS)	4.0	U	ng/L
8:2 Fluorotelomer sulfonate (8:2 FTS)	2.0	U	ng/L
Hexafluoropropylene oxide dimer acid	1.0	U	ng/L
N-Et perfluorooctanesulfonamidoAc acid	0.40	U	ng/L
N-Me perfluorooctanesulfonamidoAc acid	0.40	U	ng/L
Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L
Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L
Perfluorodecanoic acid (PFDA)	1.0	U	ng/L
Perfluorododecanoic acid (PFDoA)	1.0	U	ng/L
Perfluoroheptanesulfonic acid (PFHpS)	0.40	U	ng/L
Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L
Perfluorohexanesulfonic acid (PFHxS)	0.40	U	ng/L
Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L
Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L
Perfluorononanoic acid (PFNA)	1.0	U	ng/L
Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L
Perfluorooctanoic acid (PFOA)	1.0	U	ng/L
Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L
Perfluoropentanoic acid (PFPeA)	4.0	U	ng/L
Perfluorotetradecanoic acid (PFTeA)	0.40	U	ng/L
Perfluorotridecanoic acid (PFTriA)	0.40	U	ng/L
Perfluoroundecanoic acid (PFUnA)	1.0	U	ng/L

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P381975

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	75.3	79.1	P/P	30 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	124	150	P/P	30 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	92.9	105	P/P	30 - 160
Hexafluoropropylene oxide dimer acid	89.6	83.2	P/P	30 - 160
N-Et perfluorooctanesulfonamidoAc acid	131	142	P/P	30 - 160
N-Me perfluorooctanesulfonamidoAc acid	150	146	P/P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	122	152	P/P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	130	151	P/P	30 - 160
Perfluorodecanoic acid (PFDA)	62.4	76.5	P/P	30 - 160
Perfluorododecanoic acid (PFDoA)	90.6	85.4	P/P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	126	134	P/P	30 - 160
Perfluoroheptanoic acid (PFHpA)	73.0	80.0	P/P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	110	145	P/P	30 - 160
Perfluorohexanoic acid (PFHxA)	99.8	82.9	P/P	30 - 160
Perfluorononanesulfonic acid (PFNS)	105	138	P/P	30 - 160
Perfluorononanoic acid (PFNA)	113	120	P/P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	137	147	P/P	30 - 160
Perfluorooctanoic acid (PFOA)	90.3	106	P/P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	119	136	P/P	30 - 160
Perfluoropentanoic acid (PFPeA)	80.9	87.0	P/P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	72.8	76.5	P/P	30 - 160
Perfluorotridecanoic acid (PFTriA)	68.3	63.0	P/P	30 - 160
Perfluoroundecanoic acid (PFUnA)	110	132	P/P	30 - 160

Reference Method: EPA 8321B
Batch ID: P381976

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	133		P	40 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	89.0		P	40 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	156		P	40 - 160
Hexafluoropropylene oxide dimer acid	95.3		P	40 - 160
N-Et perfluorooctanesulfonamidoAc acid	72.5		P	40 - 160
N-Me perfluorooctanesulfonamidoAc acid	73.0		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	106		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	77.1		P	40 - 160
Perfluorodecanoic acid (PFDA)	98.2		P	40 - 160
Perfluorododecanoic acid (PFDoA)	73.4		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	84.8		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	105		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	97.7		P	40 - 160
Perfluorohexanoic acid (PFHxA)	63.4		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	154		P	40 - 160
Perfluorononanoic acid (PFNA)	121		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	85.9		P	40 - 160
Perfluorooctanoic acid (PFOA)	101		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	89.7		P	40 - 160
Perfluoropentanoic acid (PFPeA)	74.8		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	135		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	92.2		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	87.4		P	40 - 160

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P381977

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	157		P	40 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	112		P	40 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	65.0		P	40 - 160
Hexafluoropropylene oxide dimer acid	86.1		P	40 - 160
N-Et perfluorooctanesulfonamidoAc acid	148		P	40 - 160
N-Me perfluorooctanesulfonamidoAc acid	183		F	40 - 160
Perfluorobutanesulfonic acid (PFBS)	130		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	144		P	40 - 160
Perfluorodecanoic acid (PFDA)	68.3		P	40 - 160
Perfluorododecanoic acid (PFDoA)	112		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	153		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	95.3		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	129		P	40 - 160
Perfluorohexanoic acid (PFHxA)	73.4		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	153		P	40 - 160
Perfluorononanoic acid (PFNA)	86.8		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	153		P	40 - 160
Perfluorooctanoic acid (PFOA)	57.2		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	120		P	40 - 160
Perfluoropentanoic acid (PFPeA)	82.4		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	60.3		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	67.0		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	104		P	40 - 160

Reference Method: EPA 8321B
Batch ID: P382038

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	103		P	40 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	99.8		P	40 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	137		P	40 - 160
Hexafluoropropylene oxide dimer acid	148		P	40 - 160
N-Et perfluorooctanesulfonamidoAc acid	157		P	40 - 160
N-Me perfluorooctanesulfonamidoAc acid	152		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	108		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	124		P	40 - 160
Perfluorodecanoic acid (PFDA)	97.8		P	40 - 160
Perfluorododecanoic acid (PFDoA)	131		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	131		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	109		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	134		P	40 - 160
Perfluorohexanoic acid (PFHxA)	134		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	118		P	40 - 160
Perfluorononanoic acid (PFNA)	111		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	149		P	40 - 160
Perfluorooctanoic acid (PFOA)	90.2		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	107		P	40 - 160
Perfluoropentanoic acid (PFPeA)	122		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	101		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	148		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	155		P	40 - 160

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P382039

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	66.3		P	40 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	80.7		P	40 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	66.2		P	40 - 160
Hexafluoropropylene oxide dimer acid	123		P	40 - 160
N-Et perfluorooctanesulfonamidoAc acid	118		P	40 - 160
N-Me perfluorooctanesulfonamidoAc acid	116		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	74.0		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	107		P	40 - 160
Perfluorodecanoic acid (PFDA)	97.1		P	40 - 160
Perfluorododecanoic acid (PFDoA)	141		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	115		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	94.0		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	97.2		P	40 - 160
Perfluorohexanoic acid (PFHxA)	145		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	84.7		P	40 - 160
Perfluorononanoic acid (PFNA)	94.7		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	98.9		P	40 - 160
Perfluorooctanoic acid (PFOA)	81.7		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	106		P	40 - 160
Perfluoropentanoic acid (PFPeA)	116		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	128		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	126		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	110		P	40 - 160

Reference Method: EPA 8321B
Batch ID: P382054

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	151		P	40 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	113		P	40 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	152		P	40 - 160
Hexafluoropropylene oxide dimer acid	111		P	40 - 160
N-Et perfluorooctanesulfonamidoAc acid	97.0		P	40 - 160
N-Me perfluorooctanesulfonamidoAc acid	106		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	130		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	92.6		P	40 - 160
Perfluorodecanoic acid (PFDA)	153		P	40 - 160
Perfluorododecanoic acid (PFDoA)	111		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	131		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	123		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	117		P	40 - 160
Perfluorohexanoic acid (PFHxA)	128		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	109		P	40 - 160
Perfluorononanoic acid (PFNA)	94.6		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	109		P	40 - 160
Perfluorooctanoic acid (PFOA)	121		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	154		P	40 - 160
Perfluoropentanoic acid (PFPeA)	137		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	97.1		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	92.6		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	96.0		P	40 - 160

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P382055

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	96.3		P	40 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	94.2		P	40 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	84.0		P	40 - 160
Hexafluoropropylene oxide dimer acid	103		P	40 - 160
N-Et perfluorooctanesulfonamidoAc acid	79.5		P	40 - 160
N-Me perfluorooctanesulfonamidoAc acid	82.3		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	110		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	71.4		P	40 - 160
Perfluorodecanoic acid (PFDA)	61.7		P	40 - 160
Perfluorododecanoic acid (PFDoA)	77.3		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	87.9		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	89.8		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	78.5		P	40 - 160
Perfluorohexanoic acid (PFHxA)	122		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	66.4		P	40 - 160
Perfluorononanoic acid (PFNA)	98.9		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	70.7		P	40 - 160
Perfluorooctanoic acid (PFOA)	92.4		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	103		P	40 - 160
Perfluoropentanoic acid (PFPeA)	85.0		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	58.5		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	57.7		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	92.1		P	40 - 160

Reference Method: EPA 8321B
Batch ID: P382083

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	108		P	40 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	146		P	40 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	135		P	40 - 160
Hexafluoropropylene oxide dimer acid	97.4		P	40 - 160
N-Et perfluorooctanesulfonamidoAc acid	149		P	40 - 160
N-Me perfluorooctanesulfonamidoAc acid	131		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	139		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	146		P	40 - 160
Perfluorodecanoic acid (PFDA)	119		P	40 - 160
Perfluorododecanoic acid (PFDoA)	105		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	116		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	109		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	145		P	40 - 160
Perfluorohexanoic acid (PFHxA)	94.8		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	119		P	40 - 160
Perfluorononanoic acid (PFNA)	90.7		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	152		P	40 - 160
Perfluorooctanoic acid (PFOA)	78.3		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	146		P	40 - 160
Perfluoropentanoic acid (PFPeA)	129		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	125		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	95.1		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	102		P	40 - 160

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P382084

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	139		P	40 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	159		P	40 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	142		P	40 - 160
Hexafluoropropylene oxide dimer acid	116		P	40 - 160
N-Et perfluorooctanesulfonamidoAc acid	156		P	40 - 160
N-Me perfluorooctanesulfonamidoAc acid	139		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	141		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	141		P	40 - 160
Perfluorodecanoic acid (PFDA)	96.3		P	40 - 160
Perfluorododecanoic acid (PFDoA)	95.1		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	115		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	114		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	139		P	40 - 160
Perfluorohexanoic acid (PFHxA)	100		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	152		P	40 - 160
Perfluorononanoic acid (PFNA)	135		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	136		P	40 - 160
Perfluorooctanoic acid (PFOA)	103		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	136		P	40 - 160
Perfluoropentanoic acid (PFPeA)	106		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	108		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	113		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	106		P	40 - 160

Reference Method: EPA 8321B
Batch ID: P382092

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	149		P	40 - 150
6:2 Fluorotelomer sulfonate (6:2 FTS)	144		P	40 - 150
8:2 Fluorotelomer sulfonate (8:2 FTS)	137		P	40 - 150
Hexafluoropropylene oxide dimer acid	116		P	40 - 150
N-Et perfluorooctanesulfonamidoAc acid	143		P	40 - 150
N-Me perfluorooctanesulfonamidoAc acid	147		P	40 - 150
Perfluorobutanesulfonic acid (PFBS)	145		P	40 - 150
Perfluorodecanesulfonic acid (PFDS)	143		P	40 - 150
Perfluorodecanoic acid (PFDA)	147		P	40 - 150
Perfluorododecanoic acid (PFDoA)	145		P	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	149		P	40 - 150
Perfluoroheptanoic acid (PFHpA)	132		P	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	138		P	40 - 150
Perfluorohexanoic acid (PFHxA)	59.7		P	40 - 150
Perfluorononanesulfonic acid (PFNS)	135		P	40 - 150
Perfluorononanoic acid (PFNA)	137		P	40 - 150
Perfluorooctanesulfonic acid (PFOS)	143		P	40 - 150
Perfluorooctanoic acid (PFOA)	110		P	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	149		P	40 - 150
Perfluoropentanoic acid (PFPeA)	142		P	40 - 150
Perfluorotetradecanoic acid (PFTeA)	141		P	40 - 150
Perfluorotridecanoic acid (PFTriA)	144		P	40 - 150
Perfluoroundecanoic acid (PFUnA)	140		P	40 - 150

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P382093

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	112		P	40 - 150
6:2 Fluorotelomer sulfonate (6:2 FTS)	111		P	40 - 150
8:2 Fluorotelomer sulfonate (8:2 FTS)	124		P	40 - 150
Hexafluoropropylene oxide dimer acid	98.4		P	40 - 150
N-Et perfluorooctanesulfonamidoAc acid	88.8		P	40 - 150
N-Me perfluorooctanesulfonamidoAc acid	114		P	40 - 150
Perfluorobutanesulfonic acid (PFBS)	120		P	40 - 150
Perfluorodecanesulfonic acid (PFDS)	110		P	40 - 150
Perfluorodecanoic acid (PFDA)	116		P	40 - 150
Perfluorododecanoic acid (PFDoA)	119		P	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	116		P	40 - 150
Perfluoroheptanoic acid (PFHpA)	104		P	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	113		P	40 - 150
Perfluorohexanoic acid (PFHxA)	109		P	40 - 150
Perfluorononanesulfonic acid (PFNS)	115		P	40 - 150
Perfluorononanoic acid (PFNA)	127		P	40 - 150
Perfluorooctanesulfonic acid (PFOS)	107		P	40 - 150
Perfluorooctanoic acid (PFOA)	139		P	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	111		P	40 - 150
Perfluoropentanoic acid (PFPeA)	89.1		P	40 - 150
Perfluorotetradecanoic acid (PFTeA)	129		P	40 - 150
Perfluorotridecanoic acid (PFTriA)	121		P	40 - 150
Perfluoroundecanoic acid (PFUnA)	119		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P382138

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	145		P	30 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	117		P	30 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	149		P	30 - 160
Hexafluoropropylene oxide dimer acid	90.1		P	30 - 160
N-Et perfluorooctanesulfonamidoAc acid	96.6		P	30 - 160
N-Me perfluorooctanesulfonamidoAc acid	105		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	154		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	100		P	30 - 160
Perfluorodecanoic acid (PFDA)	132		P	30 - 160
Perfluorododecanoic acid (PFDoA)	76.8		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	140		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	145		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	124		P	30 - 160
Perfluorohexanoic acid (PFHxA)	131		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	98.8		P	30 - 160
Perfluorononanoic acid (PFNA)	138		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	94.7		P	30 - 160
Perfluorooctanoic acid (PFOA)	75.5		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	153		P	30 - 160
Perfluoropentanoic acid (PFPeA)	112		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	63.4		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	91.4		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	121		P	30 - 160

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
 Batch ID: P381976

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2169881	4:2 Fluorotelomer sulfonate (4:2 FTS)	130	146	P/P	40 - 160
2169881	6:2 Fluorotelomer sulfonate (6:2 FTS)	107	85.4	P/P	40 - 160
2169881	8:2 Fluorotelomer sulfonate (8:2 FTS)	160	147	P/P	40 - 160
2169881	Hexafluoropropylene oxide dimer acid	91.6	101	P/P	40 - 160
2169881	N-Et perfluorooctanesulfonamidoAc acid	51.1	46.2	P/P	40 - 160
2169881	N-Me perfluorooctanesulfonamidoAc acid	43.3	40.2	P/P	40 - 160
2169881	Perfluorobutanesulfonic acid (PFBS)	122	97.4	P/P	40 - 160
2169881	Perfluorodecanesulfonic acid (PFDS)	88.2	84.5	P/P	40 - 160
2169881	Perfluorodecanoic acid (PFDA)	96.1	90.4	P/P	40 - 160
2169881	Perfluorododecanoic acid (PFDoA)	82.2	80.4	P/P	40 - 160
2169881	Perfluoroheptanesulfonic acid (PFHpS)	91.3	87.0	P/P	40 - 160
2169881	Perfluoroheptanoic acid (PFHpA)	94.5	79.9	P/P	40 - 160
2169881	Perfluorohexanesulfonic acid (PFHxS)	111	101	P/P	40 - 160
2169881	Perfluorohexanoic acid (PFHxA)	50.4	50.2	P/P	40 - 160
2169881	Perfluorononanesulfonic acid (PFNS)	156	148	P/P	40 - 160
2169881	Perfluorononanoic acid (PFNA)	150	120	P/P	40 - 160
2169881	Perfluorooctanesulfonic acid (PFOS)	97.6	81.5	P/P	40 - 160
2169881	Perfluorooctanoic acid (PFOA)	122	93.4	P/P	40 - 160
2169881	Perfluoropentanesulfonic acid (PFPeS)	103	85.3	P/P	40 - 160
2169881	Perfluoropentanoic acid (PFPeA)	95.4	80.7	P/P	40 - 160
2169881	Perfluorotetradecanoic acid (PFTeA)	142	121	P/P	40 - 160
2169881	Perfluorotridecanoic acid (PFTriA)	98.4	91.3	P/P	40 - 160
2169881	Perfluoroundecanoic acid (PFUnA)	94.7	83.1	P/P	40 - 160

Reference Method: EPA 8321B
 Batch ID: P381977

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2169890	4:2 Fluorotelomer sulfonate (4:2 FTS)	145	157	P/P	40 - 160
2169890	6:2 Fluorotelomer sulfonate (6:2 FTS)	114	118	P/P	40 - 160
2169890	8:2 Fluorotelomer sulfonate (8:2 FTS)	93.2	98.8	P/P	40 - 160
2169890	Hexafluoropropylene oxide dimer acid	103	107	P/P	40 - 160
2169890	N-Et perfluorooctanesulfonamidoAc acid	71.1	65.8	P/P	40 - 160
2169890	N-Me perfluorooctanesulfonamidoAc acid	77.5	67.0	P/P	40 - 160
2169890	Perfluorobutanesulfonic acid (PFBS)	133	148	P/P	40 - 160
2169890	Perfluorodecanesulfonic acid (PFDS)	135	138	P/P	40 - 160
2169890	Perfluorodecanoic acid (PFDA)	78.4	79.0	P/P	40 - 160
2169890	Perfluorododecanoic acid (PFDoA)	159	128	P/P	40 - 160
2169890	Perfluoroheptanesulfonic acid (PFHpS)	120	128	P/P	40 - 160
2169890	Perfluoroheptanoic acid (PFHpA)	119	108	P/P	40 - 160
2169890	Perfluorohexanesulfonic acid (PFHxS)	128	152	P/P	40 - 160
2169890	Perfluorohexanoic acid (PFHxA)	116	135	P/P	40 - 160
2169890	Perfluorononanesulfonic acid (PFNS)	137	157	P/P	40 - 160
2169890	Perfluorononanoic acid (PFNA)	129	129	P/P	40 - 160
2169890	Perfluorooctanoic acid (PFOA)	77.4	86.4	P/P	40 - 160
2169890	Perfluoropentanesulfonic acid (PFPeS)	120	138	P/P	40 - 160
2169890	Perfluoropentanoic acid (PFPeA)	85.3	96.5	P/P	40 - 160
2169890	Perfluorotetradecanoic acid (PFTeA)	110	97.2	P/P	40 - 160
2169890	Perfluorotridecanoic acid (PFTriA)	110	92.0	P/P	40 - 160
2169890	Perfluoroundecanoic acid (PFUnA)	134	140	P/P	40 - 160

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
 Batch ID: P382038

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2169932	4:2 Fluorotelomer sulfonate (4:2 FTS)	69.6	68.4	P/P	40 - 160
2169932	6:2 Fluorotelomer sulfonate (6:2 FTS)	113	105	P/P	40 - 160
2169932	8:2 Fluorotelomer sulfonate (8:2 FTS)	106	108	P/P	40 - 160
2169932	Hexafluoropropylene oxide dimer acid	83.9	114	P/P	40 - 160
2169932	N-Et perfluorooctanesulfonamidoAc acid	72.1	72.0	P/P	40 - 160
2169932	N-Me perfluorooctanesulfonamidoAc acid	105	92.6	P/P	40 - 160
2169932	Perfluorobutanesulfonic acid (PFBS)	117	109	P/P	40 - 160
2169932	Perfluorodecanesulfonic acid (PFDS)	124	120	P/P	40 - 160
2169932	Perfluorodecanoic acid (PFDA)	74.9	84.5	P/P	40 - 160
2169932	Perfluorododecanoic acid (PFDoA)	92.1	101	P/P	40 - 160
2169932	Perfluoroheptanoic acid (PFHpA)	53.0	71.5	P/P	40 - 160
2169932	Perfluorohexanoic acid (PFHxA)	147	104	P/P	40 - 160
2169932	Perfluorononanesulfonic acid (PFNS)	114	110	P/P	40 - 160
2169932	Perfluorononanoic acid (PFNA)	105	71.9	P/P	40 - 160
2169932	Perfluorooctanoic acid (PFOA)	67.9	71.3	P/P	40 - 160
2169932	Perfluoropentanesulfonic acid (PFPeS)	101	124	P/P	40 - 160
2169932	Perfluoropentanoic acid (PFPeA)	77.8	108	P/P	40 - 160
2169932	Perfluorotetradecanoic acid (PFTeA)	88.7	108	P/P	40 - 160
2169932	Perfluorotridecanoic acid (PFTriA)	119	130	P/P	40 - 160
2169932	Perfluoroundecanoic acid (PFUnA)	112	117	P/P	40 - 160

Reference Method: EPA 8321B
 Batch ID: P382039

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2169976	4:2 Fluorotelomer sulfonate (4:2 FTS)	131	122	P/P	40 - 160
2169976	6:2 Fluorotelomer sulfonate (6:2 FTS)	121	137	P/P	40 - 160
2169976	8:2 Fluorotelomer sulfonate (8:2 FTS)	112	103	P/P	40 - 160
2169976	Hexafluoropropylene oxide dimer acid	81.9	71.7	P/P	40 - 150
2169976	N-Et perfluorooctanesulfonamidoAc acid	64.0	59.1	P/P	40 - 160
2169976	N-Me perfluorooctanesulfonamidoAc acid	86.0	83.0	P/P	40 - 160
2169976	Perfluorobutanesulfonic acid (PFBS)	118	121	P/P	40 - 160
2169976	Perfluorodecanesulfonic acid (PFDS)	108	89.8	P/P	40 - 150
2169976	Perfluorodecanoic acid (PFDA)	102	90.0	P/P	40 - 150
2169976	Perfluorododecanoic acid (PFDoA)	99.9	92.5	P/P	40 - 150
2169976	Perfluoroheptanesulfonic acid (PFHpS)	85.4	63.1	P/P	40 - 150
2169976	Perfluoroheptanoic acid (PFHpA)	73.4	63.2	P/P	40 - 150
2169976	Perfluorohexanoic acid (PFHxA)	52.3	66.8	P/P	40 - 150
2169976	Perfluorononanesulfonic acid (PFNS)	103	113	P/P	40 - 160
2169976	Perfluorononanoic acid (PFNA)	72.3	105	P/P	40 - 160
2169976	Perfluorooctanoic acid (PFOA)	80.8	84.8	P/P	40 - 150
2169976	Perfluoropentanesulfonic acid (PFPeS)	96.0	91.4	P/P	40 - 150
2169976	Perfluoropentanoic acid (PFPeA)	95.3	156	P/P	40 - 160
2169976	Perfluorotetradecanoic acid (PFTeA)	92.9	103	P/P	40 - 150
2169976	Perfluorotridecanoic acid (PFTriA)	103	131	P/P	40 - 160
2169976	Perfluoroundecanoic acid (PFUnA)	98.1	94.6	P/P	40 - 150

Reference Method: EPA 8321B
 Batch ID: P382054

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2170007	4:2 Fluorotelomer sulfonate (4:2 FTS)	126	129	P/P	40 - 160

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
 Batch ID: P382054

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2170007	6:2 Fluorotelomer sulfonate (6:2 FTS)	109	96.7	P/P	40 - 160
2170007	8:2 Fluorotelomer sulfonate (8:2 FTS)	148	145	P/P	40 - 160
2170007	Hexafluoropropylene oxide dimer acid	103	127	P/P	40 - 160
2170007	N-Et perfluorooctanesulfonamidoAc acid	56.3	54.6	P/P	40 - 160
2170007	N-Me perfluorooctanesulfonamidoAc acid	41.4	46.2	P/P	40 - 160
2170007	Perfluorobutanesulfonic acid (PFBS)	117	124	P/P	40 - 160
2170007	Perfluorodecanesulfonic acid (PFDS)	91.2	96.5	P/P	40 - 160
2170007	Perfluorodecanoic acid (PFDA)	125	135	P/P	40 - 160
2170007	Perfluorododecanoic acid (PFDoA)	127	120	P/P	40 - 160
2170007	Perfluoroheptanesulfonic acid (PFHpS)	103	110	P/P	40 - 160
2170007	Perfluoroheptanoic acid (PFHpA)	121	119	P/P	40 - 160
2170007	Perfluorohexanoic acid (PFHxA)	124	107	P/P	40 - 160
2170007	Perfluorononanesulfonic acid (PFNS)	104	115	P/P	40 - 160
2170007	Perfluorononanoic acid (PFNA)	91.9	93.0	P/P	40 - 160
2170007	Perfluorooctanoic acid (PFOA)	124	121	P/P	40 - 160
2170007	Perfluoropentanesulfonic acid (PFPeS)	148	156	P/P	40 - 160
2170007	Perfluoropentanoic acid (PFPeA)	130	136	P/P	40 - 160
2170007	Perfluorotetradecanoic acid (PFTeA)	96.2	94.8	P/P	40 - 160
2170007	Perfluorotridecanoic acid (PFTriA)	97.2	88.8	P/P	40 - 160
2170007	Perfluoroundecanoic acid (PFUnA)	106	103	P/P	40 - 160

Reference Method: EPA 8321B
 Batch ID: P382055

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2170051	4:2 Fluorotelomer sulfonate (4:2 FTS)	133	116	P/P	40 - 160
2170051	6:2 Fluorotelomer sulfonate (6:2 FTS)	81.6	97.5	P/P	40 - 160
2170051	8:2 Fluorotelomer sulfonate (8:2 FTS)	79.2	97.9	P/P	40 - 160
2170051	Hexafluoropropylene oxide dimer acid	85.3	73.1	P/P	40 - 160
2170051	N-Et perfluorooctanesulfonamidoAc acid	36.7	42.4	F/P	40 - 160
2170051	N-Me perfluorooctanesulfonamidoAc acid	39.3	45.7	F/P	40 - 160
2170051	Perfluorobutanesulfonic acid (PFBS)	88.5	84.8	P/P	40 - 160
2170051	Perfluorodecanesulfonic acid (PFDS)	72.6	86.3	P/P	40 - 160
2170051	Perfluorodecanoic acid (PFDA)	67.7	98.3	P/P	40 - 160
2170051	Perfluorododecanoic acid (PFDoA)	72.6	78.8	P/P	40 - 160
2170051	Perfluoroheptanesulfonic acid (PFHpS)	85.3	97.7	P/P	40 - 160
2170051	Perfluoroheptanoic acid (PFHpA)	127	114	P/P	40 - 160
2170051	Perfluorohexanesulfonic acid (PFHxS)	89.3	110	P/P	40 - 160
2170051	Perfluorohexanoic acid (PFHxA)	139	128	P/P	40 - 160
2170051	Perfluorononanoic acid (PFNA)	111	136	P/P	40 - 160
2170051	Perfluorooctanoic acid (PFOA)	107	115	P/P	40 - 160
2170051	Perfluoropentanesulfonic acid (PFPeS)	104	103	P/P	40 - 160
2170051	Perfluoropentanoic acid (PFPeA)	72.0	79.4	P/P	40 - 160
2170051	Perfluorotetradecanoic acid (PFTeA)	62.4	61.4	P/P	40 - 160
2170051	Perfluorotridecanoic acid (PFTriA)	59.0	71.5	P/P	40 - 160
2170051	Perfluoroundecanoic acid (PFUnA)	71.3	80.6	P/P	40 - 160

Reference Method: EPA 8321B
 Batch ID: P382083

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2170095	4:2 Fluorotelomer sulfonate (4:2 FTS)	118	127	P/P	40 - 160

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
 Batch ID: P382083

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2170095	6:2 Fluorotelomer sulfonate (6:2 FTS)	146	143	P/P	40 - 160
2170095	8:2 Fluorotelomer sulfonate (8:2 FTS)	130	128	P/P	40 - 160
2170095	Hexafluoropropylene oxide dimer acid	127	144	P/P	40 - 160
2170095	N-Et perfluorooctanesulfonamidoAc acid	140	150	P/P	40 - 160
2170095	N-Me perfluorooctanesulfonamidoAc acid	113	107	P/P	40 - 160
2170095	Perfluorobutanesulfonic acid (PFBS)	158	142	P/P	40 - 160
2170095	Perfluorodecanesulfonic acid (PFDS)	150	147	P/P	40 - 160
2170095	Perfluorodecanoic acid (PFDA)	132	138	P/P	40 - 160
2170095	Perfluorododecanoic acid (PFDoA)	109	126	P/P	40 - 160
2170095	Perfluoroheptanesulfonic acid (PFHpS)	123	121	P/P	40 - 160
2170095	Perfluoroheptanoic acid (PFHpA)	147	131	P/P	40 - 160
2170095	Perfluorohexanesulfonic acid (PFHxS)	114	117	P/P	40 - 160
2170095	Perfluorohexanoic acid (PFHxA)	97.6	114	P/P	40 - 160
2170095	Perfluorononanesulfonic acid (PFNS)	116	114	P/P	40 - 160
2170095	Perfluorononanoic acid (PFNA)	98.7	113	P/P	40 - 160
2170095	Perfluorooctanoic acid (PFOA)	71.3	108	P/P	40 - 160
2170095	Perfluoropentanesulfonic acid (PFPeS)	143	143	P/P	40 - 160
2170095	Perfluoropentanoic acid (PFPeA)	162	173	F/F	40 - 160
2170095	Perfluorotetradecanoic acid (PFTeA)	91.9	114	P/P	40 - 160
2170095	Perfluorotridecanoic acid (PFTriA)	52.4	52.7	P/P	40 - 160
2170095	Perfluoroundecanoic acid (PFUnA)	120	146	P/P	40 - 160

Reference Method: EPA 8321B
 Batch ID: P382084

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2170127	4:2 Fluorotelomer sulfonate (4:2 FTS)	120	128	P/P	40 - 160
2170127	6:2 Fluorotelomer sulfonate (6:2 FTS)	141	144	P/P	40 - 160
2170127	8:2 Fluorotelomer sulfonate (8:2 FTS)	131	140	P/P	40 - 160
2170127	Hexafluoropropylene oxide dimer acid	105	130	P/P	40 - 160
2170127	N-Et perfluorooctanesulfonamidoAc acid	80.1	82.1	P/P	40 - 160
2170127	N-Me perfluorooctanesulfonamidoAc acid	67.2	69.8	P/P	40 - 160
2170127	Perfluorobutanesulfonic acid (PFBS)	131	156	P/P	40 - 160
2170127	Perfluorodecanesulfonic acid (PFDS)	136	155	P/P	40 - 160
2170127	Perfluorodecanoic acid (PFDA)	99.6	78.0	P/P	40 - 160
2170127	Perfluorododecanoic acid (PFDoA)	85.6	115	P/P	40 - 160
2170127	Perfluoroheptanesulfonic acid (PFHpS)	104	126	P/P	40 - 160
2170127	Perfluoroheptanoic acid (PFHpA)	97.6	146	P/P	40 - 160
2170127	Perfluorohexanesulfonic acid (PFHxS)	119	132	P/P	40 - 160
2170127	Perfluorohexanoic acid (PFHxA)	64.3	91.7	P/P	40 - 160
2170127	Perfluorononanesulfonic acid (PFNS)	175	182	F/F	40 - 160
2170127	Perfluorononanoic acid (PFNA)	100	100	P/P	40 - 160
2170127	Perfluorooctanoic acid (PFOA)	78.0	96.3	P/P	40 - 160
2170127	Perfluoropentanesulfonic acid (PFPeS)	137	155	P/P	40 - 160
2170127	Perfluoropentanoic acid (PFPeA)	84.0	105	P/P	40 - 160
2170127	Perfluorotetradecanoic acid (PFTeA)	116	126	P/P	40 - 160
2170127	Perfluorotridecanoic acid (PFTriA)	86.6	106	P/P	40 - 160
2170127	Perfluoroundecanoic acid (PFUnA)	122	96.1	P/P	40 - 160

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
 Batch ID: P382092

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2170171	4:2 Fluorotelomer sulfonate (4:2 FTS)	135	142	P/P	40 - 150
2170171	6:2 Fluorotelomer sulfonate (6:2 FTS)	148	140	P/P	40 - 150
2170171	8:2 Fluorotelomer sulfonate (8:2 FTS)	148	129	P/P	40 - 150
2170171	Hexafluoropropylene oxide dimer acid	111	96.4	P/P	40 - 150
2170171	N-Et perfluorooctanesulfonamidoAc acid	88.4	91.1	P/P	40 - 150
2170171	N-Me perfluorooctanesulfonamidoAc acid	85.1	81.5	P/P	40 - 150
2170171	Perfluorobutanesulfonic acid (PFBS)	126	116	P/P	40 - 150
2170171	Perfluorodecanesulfonic acid (PFDS)	130	123	P/P	40 - 150
2170171	Perfluorodecanoic acid (PFDA)	144	134	P/P	40 - 150
2170171	Perfluorododecanoic acid (PFDoA)	148	135	P/P	40 - 150
2170171	Perfluoroheptanesulfonic acid (PFHpS)	149	123	P/P	40 - 150
2170171	Perfluoroheptanoic acid (PFHpA)	142	118	P/P	40 - 150
2170171	Perfluorohexanesulfonic acid (PFHxS)	144	130	P/P	40 - 150
2170171	Perfluorohexanoic acid (PFHxA)	46.4	44.1	P/P	40 - 150
2170171	Perfluorononanesulfonic acid (PFNS)	139	131	P/P	40 - 150
2170171	Perfluorononanoic acid (PFNA)	131	133	P/P	40 - 150
2170171	Perfluorooctanesulfonic acid (PFOS)	144	105	P/P	40 - 150
2170171	Perfluorooctanoic acid (PFOA)	136	129	P/P	40 - 150
2170171	Perfluoropentanesulfonic acid (PFPeS)	142	131	P/P	40 - 150
2170171	Perfluoropentanoic acid (PFPeA)	119	123	P/P	40 - 150
2170171	Perfluorotetradecanoic acid (PFTeA)	143	149	P/P	40 - 150
2170171	Perfluorotridecanoic acid (PFTriA)	148	148	P/P	40 - 150
2170171	Perfluoroundecanoic acid (PFUnA)	142	149	P/P	40 - 150

Reference Method: EPA 8321B
 Batch ID: P382093

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2170218	4:2 Fluorotelomer sulfonate (4:2 FTS)	122	91.1	P/P	40 - 150
2170218	6:2 Fluorotelomer sulfonate (6:2 FTS)	120	106	P/P	40 - 150
2170218	8:2 Fluorotelomer sulfonate (8:2 FTS)	135	109	P/P	40 - 150
2170218	Hexafluoropropylene oxide dimer acid	120	93.8	P/P	40 - 150
2170218	N-Et perfluorooctanesulfonamidoAc acid	23.4	16.6	F/F	40 - 150
2170218	N-Me perfluorooctanesulfonamidoAc acid	27.7	22.7	F/F	40 - 150
2170218	Perfluorobutanesulfonic acid (PFBS)	134	111	P/P	40 - 150
2170218	Perfluorodecanesulfonic acid (PFDS)	120	98.4	P/P	40 - 150
2170218	Perfluorodecanoic acid (PFDA)	128	111	P/P	40 - 150
2170218	Perfluorododecanoic acid (PFDoA)	120	110	P/P	40 - 150
2170218	Perfluoroheptanesulfonic acid (PFHpS)	127	99.8	P/P	40 - 150
2170218	Perfluoroheptanoic acid (PFHpA)	125	104	P/P	40 - 150
2170218	Perfluorohexanesulfonic acid (PFHxS)	134	115	P/P	40 - 150
2170218	Perfluorohexanoic acid (PFHxA)	127	111	P/P	40 - 150
2170218	Perfluorononanesulfonic acid (PFNS)	123	97.5	P/P	40 - 150
2170218	Perfluorononanoic acid (PFNA)	104	130	P/P	40 - 150
2170218	Perfluorooctanesulfonic acid (PFOS)	126	92.8	P/P	40 - 150
2170218	Perfluorooctanoic acid (PFOA)	137	119	P/P	40 - 150
2170218	Perfluoropentanesulfonic acid (PFPeS)	139	107	P/P	40 - 150
2170218	Perfluoropentanoic acid (PFPeA)	86.8	92.3	P/P	40 - 150
2170218	Perfluorotetradecanoic acid (PFTeA)	129	113	P/P	40 - 150
2170218	Perfluorotridecanoic acid (PFTriA)	104	84.9	P/P	40 - 150
2170218	Perfluoroundecanoic acid (PFUnA)	124	87.3	P/P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
 Batch ID: P382138

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2170669	4:2 Fluorotelomer sulfonate (4:2 FTS)	228	220	F/F	30 - 160
2170669	6:2 Fluorotelomer sulfonate (6:2 FTS)	148	136	P/P	30 - 160
2170669	8:2 Fluorotelomer sulfonate (8:2 FTS)	107	123	P/P	30 - 160
2170669	Hexafluoropropylene oxide dimer acid	97.4	122	P/P	30 - 160
2170669	N-Et perfluorooctanesulfonamidoAc acid	67.8	75.6	P/P	30 - 160
2170669	N-Me perfluorooctanesulfonamidoAc acid	81.4	87.8	P/P	30 - 160
2170669	Perfluorobutanesulfonic acid (PFBS)	107	111	P/P	30 - 160
2170669	Perfluorodecanesulfonic acid (PFDS)	68.5	70.4	P/P	30 - 160
2170669	Perfluorodecanoic acid (PFDA)	107	99.5	P/P	30 - 160
2170669	Perfluorododecanoic acid (PFDoA)	78.2	76.0	P/P	30 - 160
2170669	Perfluoroheptanesulfonic acid (PFHpS)	86.0	116	P/P	30 - 160
2170669	Perfluoroheptanoic acid (PFHpA)	84.5	116	P/P	30 - 160
2170669	Perfluorohexanesulfonic acid (PFHxS)	131	127	P/P	30 - 160
2170669	Perfluorohexanoic acid (PFHxA)	111	135	P/P	30 - 160
2170669	Perfluorononanesulfonic acid (PFNS)	72.7	74.0	P/P	30 - 160
2170669	Perfluorononanoic acid (PFNA)	89.8	110	P/P	30 - 160
2170669	Perfluorooctanesulfonic acid (PFOS)	60.3	65.3	P/P	30 - 160
2170669	Perfluorooctanoic acid (PFOA)	73.5	82.4	P/P	30 - 160
2170669	Perfluoropentanesulfonic acid (PFPeS)	87.9	106	P/P	30 - 160
2170669	Perfluoropentanoic acid (PFPeA)	89.7	94.9	P/P	30 - 160
2170669	Perfluorotetradecanoic acid (PFTeA)	76.1	68.0	P/P	30 - 160
2170669	Perfluorotridecanoic acid (PFTriA)	54.2	53.6	P/P	30 - 160
2170669	Perfluoroundecanoic acid (PFUnA)	81.4	82.1	P/P	30 - 160

Quality Assurance Report Precision

Reference Method: EPA 8321B
 Batch ID: P381975

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	4:2 Fluorotelomer sulfonate (4:2 FTS)	4.89	LCS	P	0 - 30
LFB	6:2 Fluorotelomer sulfonate (6:2 FTS)	19.4	LCS	P	0 - 30
LFB	8:2 Fluorotelomer sulfonate (8:2 FTS)	12.6	LCS	P	0 - 30
LFB	Hexafluoropropylene oxide dimer acid	7.44	LCS	P	0 - 30
LFB	N-Et perfluorooctanesulfonamidoAc acid	8.34	LCS	P	0 - 30
LFB	N-Me perfluorooctanesulfonamidoAc acid	2.25	LCS	P	0 - 30
LFB	Perfluorobutanesulfonic acid (PFBS)	22.2	LCS	P	0 - 30
LFB	Perfluorodecanesulfonic acid (PFDS)	14.7	LCS	P	0 - 30
LFB	Perfluorodecanoic acid (PFDA)	20.3	LCS	P	0 - 30
LFB	Perfluorododecanoic acid (PFDoA)	5.84	LCS	P	0 - 30
LFB	Perfluoroheptanesulfonic acid (PFHpS)	5.76	LCS	P	0 - 30
LFB	Perfluoroheptanoic acid (PFHpA)	9.17	LCS	P	0 - 30
LFB	Perfluorohexanesulfonic acid (PFHxS)	28.2	LCS	P	0 - 30
LFB	Perfluorohexanoic acid (PFHxA)	18.5	LCS	P	0 - 30
LFB	Perfluorononanesulfonic acid (PFNS)	27.3	LCS	P	0 - 30
LFB	Perfluorononanoic acid (PFNA)	6.66	LCS	P	0 - 30
LFB	Perfluorooctanesulfonic acid (PFOS)	7.59	LCS	P	0 - 30
LFB	Perfluorooctanoic acid (PFOA)	15.9	LCS	P	0 - 30
LFB	Perfluoropentanesulfonic acid (PFPeS)	13.4	LCS	P	0 - 30
LFB	Perfluoropentanoic acid (PFPeA)	7.26	LCS	P	0 - 30
LFB	Perfluorotetradecanoic acid (PFTeA)	4.98	LCS	P	0 - 30
LFB	Perfluorotridecanoic acid (PFTriA)	8.08	LCS	P	0 - 30
LFB	Perfluoroundecanoic acid (PFUnA)	17.5	LCS	P	0 - 30

Reference Method: EPA 8321B
 Batch ID: P381976

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2169881	4:2 Fluorotelomer sulfonate (4:2 FTS)	11.4	Spike	P	0 - 35
2169881	6:2 Fluorotelomer sulfonate (6:2 FTS)	22.4	Spike	P	0 - 35
2169881	8:2 Fluorotelomer sulfonate (8:2 FTS)	8.20	Spike	P	0 - 35
2169881	Hexafluoropropylene oxide dimer acid	9.56	Spike	P	0 - 35
2169881	N-Et perfluorooctanesulfonamidoAc acid	10.1	Spike	P	0 - 35
2169881	N-Me perfluorooctanesulfonamidoAc acid	7.51	Spike	P	0 - 35
2169881	Perfluorobutanesulfonic acid (PFBS)	22.0	Spike	P	0 - 35
2169881	Perfluorodecanesulfonic acid (PFDS)	4.32	Spike	P	0 - 35
2169881	Perfluorodecanoic acid (PFDA)	6.07	Spike	P	0 - 35
2169881	Perfluorododecanoic acid (PFDoA)	2.25	Spike	P	0 - 35
2169881	Perfluoroheptanesulfonic acid (PFHpS)	4.77	Spike	P	0 - 35
2169881	Perfluoroheptanoic acid (PFHpA)	16.8	Spike	P	0 - 35
2169881	Perfluorohexanesulfonic acid (PFHxS)	9.37	Spike	P	0 - 35
2169881	Perfluorohexanoic acid (PFHxA)	0.264	Spike	P	0 - 35
2169881	Perfluorononanesulfonic acid (PFNS)	4.91	Spike	P	0 - 35
2169881	Perfluorononanoic acid (PFNA)	22.5	Spike	P	0 - 35
2169881	Perfluorooctanesulfonic acid (PFOS)	7.57	Spike	P	0 - 35
2169881	Perfluorooctanoic acid (PFOA)	26.3	Spike	P	0 - 35
2169881	Perfluoropentanesulfonic acid (PFPeS)	19.1	Spike	P	0 - 35
2169881	Perfluoropentanoic acid (PFPeA)	16.8	Spike	P	0 - 35
2169881	Perfluorotetradecanoic acid (PFTeA)	15.4	Spike	P	0 - 35
2169881	Perfluorotridecanoic acid (PFTriA)	7.46	Spike	P	0 - 35

Quality Assurance Report Precision

Reference Method: EPA 8321B
 Batch ID: P381976

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2169881	Perfluoroundecanoic acid (PFUnA)	13.1	Spike	P	0 - 35

Reference Method: EPA 8321B
 Batch ID: P381977

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2169890	4:2 Fluorotelomer sulfonate (4:2 FTS)	8.07	Spike	P	0 - 35
2169890	6:2 Fluorotelomer sulfonate (6:2 FTS)	3.57	Spike	P	0 - 35
2169890	8:2 Fluorotelomer sulfonate (8:2 FTS)	5.78	Spike	P	0 - 35
2169890	Hexafluoropropylene oxide dimer acid	3.73	Spike	P	0 - 35
2169890	N-Et perfluorooctanesulfonamidoAc acid	7.75	Spike	P	0 - 35
2169890	N-Me perfluorooctanesulfonamidoAc acid	14.5	Spike	P	0 - 35
2169890	Perfluorobutanesulfonic acid (PFBS)	10.2	Spike	P	0 - 35
2169890	Perfluorodecanesulfonic acid (PFDS)	2.60	Spike	P	0 - 35
2169890	Perfluorodecanoic acid (PFDA)	0.722	Spike	P	0 - 35
2169890	Perfluorododecanoic acid (PFDoA)	21.7	Spike	P	0 - 35
2169890	Perfluoroheptanesulfonic acid (PFHpS)	7.18	Spike	P	0 - 35
2169890	Perfluoroheptanoic acid (PFHpA)	10.1	Spike	P	0 - 35
2169890	Perfluorohexanesulfonic acid (PFHxS)	17.1	Spike	P	0 - 35
2169890	Perfluorohexanoic acid (PFHxA)	15.0	Spike	P	0 - 35
2169890	Perfluorononanesulfonic acid (PFNS)	14.2	Spike	P	0 - 35
2169890	Perfluorononanoic acid (PFNA)	0.0610	Spike	P	0 - 35
2169890	Perfluorooctanesulfonic acid (PFOS)	4.94	Spike	P	0 - 35
2169890	Perfluorooctanoic acid (PFOA)	11.0	Spike	P	0 - 35
2169890	Perfluoropentanesulfonic acid (PFPeS)	14.3	Spike	P	0 - 35
2169890	Perfluoropentanoic acid (PFPeA)	12.3	Spike	P	0 - 35
2169890	Perfluorotetradecanoic acid (PFTeA)	12.3	Spike	P	0 - 35
2169890	Perfluorotridecanoic acid (PFTriA)	18.2	Spike	P	0 - 35
2169890	Perfluoroundecanoic acid (PFUnA)	4.33	Spike	P	0 - 35

Reference Method: EPA 8321B
 Batch ID: P382038

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2169932	4:2 Fluorotelomer sulfonate (4:2 FTS)	1.69	Spike	P	0 - 35
2169932	6:2 Fluorotelomer sulfonate (6:2 FTS)	7.71	Spike	P	0 - 35
2169932	8:2 Fluorotelomer sulfonate (8:2 FTS)	2.44	Spike	P	0 - 35
2169932	Hexafluoropropylene oxide dimer acid	30.4	Spike	P	0 - 35
2169932	N-Et perfluorooctanesulfonamidoAc acid	0.101	Spike	P	0 - 35
2169932	N-Me perfluorooctanesulfonamidoAc acid	12.2	Spike	P	0 - 35
2169932	Perfluorobutanesulfonic acid (PFBS)	5.95	Spike	P	0 - 35
2169932	Perfluorodecanesulfonic acid (PFDS)	3.23	Spike	P	0 - 35
2169932	Perfluorodecanoic acid (PFDA)	12.1	Spike	P	0 - 35
2169932	Perfluorododecanoic acid (PFDoA)	9.07	Spike	P	0 - 35
2169932	Perfluoroheptanesulfonic acid (PFHpS)	3.89	Spike	P	0 - 35
2169932	Perfluoroheptanoic acid (PFHpA)	18.3	Spike	P	0 - 35
2169932	Perfluorohexanesulfonic acid (PFHxS)	12.8	Spike	P	0 - 35
2169932	Perfluorohexanoic acid (PFHxA)	23.4	Spike	P	0 - 35
2169932	Perfluorononanesulfonic acid (PFNS)	2.27	Spike	P	0 - 35

Quality Assurance Report Precision

Reference Method: EPA 8321B
 Batch ID: P382038

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2169932	Perfluorononanoic acid (PFNA)	24.4	Spike	P	0 - 35
2169932	Perfluorooctanesulfonic acid (PFOS)	4.28	Spike	P	0 - 35
2169932	Perfluorooctanoic acid (PFOA)	3.21	Spike	P	0 - 35
2169932	Perfluoropentanesulfonic acid (PFPeS)	11.7	Spike	P	0 - 35
2169932	Perfluoropentanoic acid (PFPeA)	32.2	Spike	P	0 - 35
2169932	Perfluorotetradecanoic acid (PFTeA)	19.8	Spike	P	0 - 35
2169932	Perfluorotridecanoic acid (PFTriA)	8.71	Spike	P	0 - 35
2169932	Perfluoroundecanoic acid (PFUnA)	4.65	Spike	P	0 - 35

Reference Method: EPA 8321B
 Batch ID: P382039

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2169976	4:2 Fluorotelomer sulfonate (4:2 FTS)	7.22	Spike	P	0 - 35
2169976	6:2 Fluorotelomer sulfonate (6:2 FTS)	12.3	Spike	P	0 - 35
2169976	8:2 Fluorotelomer sulfonate (8:2 FTS)	8.40	Spike	P	0 - 35
2169976	Hexafluoropropylene oxide dimer acid	13.2	Spike	P	0 - 35
2169976	N-Et perfluorooctanesulfonamidoAc acid	7.95	Spike	P	0 - 35
2169976	N-Me perfluorooctanesulfonamidoAc acid	3.53	Spike	P	0 - 35
2169976	Perfluorobutanesulfonic acid (PFBS)	2.61	Spike	P	0 - 35
2169976	Perfluorodecanesulfonic acid (PFDS)	18.8	Spike	P	0 - 35
2169976	Perfluorodecanoic acid (PFDA)	11.4	Spike	P	0 - 35
2169976	Perfluorododecanoic acid (PFDoA)	7.70	Spike	P	0 - 35
2169976	Perfluoroheptanesulfonic acid (PFHpS)	17.0	Spike	P	0 - 35
2169976	Perfluoroheptanoic acid (PFHpA)	8.43	Spike	P	0 - 35
2169976	Perfluorohexanesulfonic acid (PFHxS)	2.14	Spike	P	0 - 35
2169976	Perfluorohexanoic acid (PFHxA)	15.3	Spike	P	0 - 35
2169976	Perfluorononanesulfonic acid (PFNS)	7.32	Spike	P	0 - 35
2169976	Perfluorononanoic acid (PFNA)	29.2	Spike	P	0 - 35
2169976	Perfluorooctanesulfonic acid (PFOS)	5.56	Spike	P	0 - 35
2169976	Perfluorooctanoic acid (PFOA)	2.64	Spike	P	0 - 35
2169976	Perfluoropentanesulfonic acid (PFPeS)	4.01	Spike	P	0 - 35
2169976	Perfluoropentanoic acid (PFPeA)	48.2	Spike	F	0 - 35
2169976	Perfluorotetradecanoic acid (PFTeA)	10.6	Spike	P	0 - 35
2169976	Perfluorotridecanoic acid (PFTriA)	23.6	Spike	P	0 - 35
2169976	Perfluoroundecanoic acid (PFUnA)	3.68	Spike	P	0 - 35

Reference Method: EPA 8321B
 Batch ID: P382054

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2170007	4:2 Fluorotelomer sulfonate (4:2 FTS)	2.53	Spike	P	0 - 35
2170007	6:2 Fluorotelomer sulfonate (6:2 FTS)	11.5	Spike	P	0 - 35
2170007	8:2 Fluorotelomer sulfonate (8:2 FTS)	2.24	Spike	P	0 - 35
2170007	Hexafluoropropylene oxide dimer acid	20.7	Spike	P	0 - 35
2170007	N-Et perfluorooctanesulfonamidoAc acid	3.10	Spike	P	0 - 35
2170007	N-Me perfluorooctanesulfonamidoAc acid	10.9	Spike	P	0 - 35
2170007	Perfluorobutanesulfonic acid (PFBS)	5.73	Spike	P	0 - 35
2170007	Perfluorodecanesulfonic acid (PFDS)	5.68	Spike	P	0 - 35

Quality Assurance Report Precision

Reference Method: EPA 8321B
 Batch ID: P382054

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2170007	Perfluorodecanoic acid (PFDA)	7.53	Spike	P	0 - 35
2170007	Perfluorododecanoic acid (PFDoA)	5.05	Spike	P	0 - 35
2170007	Perfluoroheptanesulfonic acid (PFHpS)	4.73	Spike	P	0 - 35
2170007	Perfluoroheptanoic acid (PFHpA)	1.47	Spike	P	0 - 35
2170007	Perfluorohexanesulfonic acid (PFHxS)	2.62	Spike	P	0 - 35
2170007	Perfluorohexanoic acid (PFHxA)	12.8	Spike	P	0 - 35
2170007	Perfluorononanesulfonic acid (PFNS)	10.3	Spike	P	0 - 35
2170007	Perfluorononanoic acid (PFNA)	0.850	Spike	P	0 - 35
2170007	Perfluorooctanesulfonic acid (PFOS)	2.39	Spike	P	0 - 35
2170007	Perfluorooctanoic acid (PFOA)	2.08	Spike	P	0 - 35
2170007	Perfluoropentanesulfonic acid (PFPeS)	5.39	Spike	P	0 - 35
2170007	Perfluoropentanoic acid (PFPeA)	4.05	Spike	P	0 - 35
2170007	Perfluorotetradecanoic acid (PFTeA)	1.48	Spike	P	0 - 35
2170007	Perfluorotridecanoic acid (PFTriA)	9.05	Spike	P	0 - 35
2170007	Perfluoroundecanoic acid (PFUnA)	3.19	Spike	P	0 - 35

Reference Method: EPA 8321B
 Batch ID: P382055

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2170051	4:2 Fluorotelomer sulfonate (4:2 FTS)	13.4	Spike	P	0 - 35
2170051	6:2 Fluorotelomer sulfonate (6:2 FTS)	17.8	Spike	P	0 - 35
2170051	8:2 Fluorotelomer sulfonate (8:2 FTS)	18.5	Spike	P	0 - 35
2170051	Hexafluoropropylene oxide dimer acid	15.4	Spike	P	0 - 35
2170051	N-Et perfluorooctanesulfonamidoAc acid	14.4	Spike	P	0 - 35
2170051	N-Me perfluorooctanesulfonamidoAc acid	14.8	Spike	P	0 - 35
2170051	Perfluorobutanesulfonic acid (PFBS)	4.31	Spike	P	0 - 35
2170051	Perfluorodecanesulfonic acid (PFDS)	15.6	Spike	P	0 - 35
2170051	Perfluorodecanoic acid (PFDA)	30.4	Spike	P	0 - 35
2170051	Perfluorododecanoic acid (PFDoA)	8.27	Spike	P	0 - 35
2170051	Perfluoroheptanesulfonic acid (PFHpS)	11.8	Spike	P	0 - 35
2170051	Perfluoroheptanoic acid (PFHpA)	10.6	Spike	P	0 - 35
2170051	Perfluorohexanesulfonic acid (PFHxS)	12.5	Spike	P	0 - 35
2170051	Perfluorohexanoic acid (PFHxA)	8.04	Spike	P	0 - 35
2170051	Perfluorononanesulfonic acid (PFNS)	5.75	Spike	P	0 - 35
2170051	Perfluorononanoic acid (PFNA)	18.7	Spike	P	0 - 35
2170051	Perfluorooctanesulfonic acid (PFOS)	13.1	Spike	P	0 - 35
2170051	Perfluorooctanoic acid (PFOA)	6.27	Spike	P	0 - 35
2170051	Perfluoropentanesulfonic acid (PFPeS)	1.16	Spike	P	0 - 35
2170051	Perfluoropentanoic acid (PFPeA)	9.85	Spike	P	0 - 35
2170051	Perfluorotetradecanoic acid (PFTeA)	1.49	Spike	P	0 - 35
2170051	Perfluorotridecanoic acid (PFTriA)	19.2	Spike	P	0 - 35
2170051	Perfluoroundecanoic acid (PFUnA)	12.2	Spike	P	0 - 35

Reference Method: EPA 8321B
 Batch ID: P382083

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2170095	4:2 Fluorotelomer sulfonate (4:2 FTS)	7.80	Spike	P	0 - 35

Quality Assurance Report Precision

Reference Method: EPA 8321B
 Batch ID: P382083

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2170095	6:2 Fluorotelomer sulfonate (6:2 FTS)	1.66	Spike	P	0 - 35
2170095	8:2 Fluorotelomer sulfonate (8:2 FTS)	1.40	Spike	P	0 - 35
2170095	Hexafluoropropylene oxide dimer acid	12.6	Spike	P	0 - 35
2170095	N-Et perfluorooctanesulfonamidoAc acid	6.83	Spike	P	0 - 35
2170095	N-Me perfluorooctanesulfonamidoAc acid	5.64	Spike	P	0 - 35
2170095	Perfluorobutanesulfonic acid (PFBS)	10.3	Spike	P	0 - 35
2170095	Perfluorodecanesulfonic acid (PFDS)	1.31	Spike	P	0 - 35
2170095	Perfluorodecanoic acid (PFDA)	3.35	Spike	P	0 - 35
2170095	Perfluorododecanoic acid (PFDoA)	8.86	Spike	P	0 - 35
2170095	Perfluoroheptanesulfonic acid (PFHpS)	1.63	Spike	P	0 - 35
2170095	Perfluoroheptanoic acid (PFHpA)	9.25	Spike	P	0 - 35
2170095	Perfluorohexanesulfonic acid (PFHxS)	2.22	Spike	P	0 - 35
2170095	Perfluorohexanoic acid (PFHxA)	15.8	Spike	P	0 - 35
2170095	Perfluorononanesulfonic acid (PFNS)	1.42	Spike	P	0 - 35
2170095	Perfluorononanoic acid (PFNA)	11.8	Spike	P	0 - 35
2170095	Perfluorooctanesulfonic acid (PFOS)	0.0661	Spike	P	0 - 35
2170095	Perfluorooctanoic acid (PFOA)	31.9	Spike	P	0 - 35
2170095	Perfluoropentanesulfonic acid (PFPeS)	0.620	Spike	P	0 - 35
2170095	Perfluoropentanoic acid (PFPeA)	6.46	Spike	P	0 - 35
2170095	Perfluorotetradecanoic acid (PFTeA)	17.2	Spike	P	0 - 35
2170095	Perfluorotridecanoic acid (PFTriA)	0.552	Spike	P	0 - 35
2170095	Perfluoroundecanoic acid (PFUnA)	14.7	Spike	P	0 - 35

Reference Method: EPA 8321B
 Batch ID: P382084

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2170127	4:2 Fluorotelomer sulfonate (4:2 FTS)	6.69	Spike	P	0 - 35
2170127	6:2 Fluorotelomer sulfonate (6:2 FTS)	2.15	Spike	P	0 - 35
2170127	8:2 Fluorotelomer sulfonate (8:2 FTS)	6.55	Spike	P	0 - 35
2170127	Hexafluoropropylene oxide dimer acid	20.7	Spike	P	0 - 35
2170127	N-Et perfluorooctanesulfonamidoAc acid	2.46	Spike	P	0 - 35
2170127	N-Me perfluorooctanesulfonamidoAc acid	3.78	Spike	P	0 - 35
2170127	Perfluorobutanesulfonic acid (PFBS)	17.4	Spike	P	0 - 35
2170127	Perfluorodecanesulfonic acid (PFDS)	13.0	Spike	P	0 - 35
2170127	Perfluorodecanoic acid (PFDA)	19.8	Spike	P	0 - 35
2170127	Perfluorododecanoic acid (PFDoA)	26.9	Spike	P	0 - 35
2170127	Perfluoroheptanesulfonic acid (PFHpS)	18.6	Spike	P	0 - 35
2170127	Perfluoroheptanoic acid (PFHpA)	28.1	Spike	P	0 - 35
2170127	Perfluorohexanesulfonic acid (PFHxS)	9.55	Spike	P	0 - 35
2170127	Perfluorohexanoic acid (PFHxA)	26.9	Spike	P	0 - 35
2170127	Perfluorononanesulfonic acid (PFNS)	3.43	Spike	P	0 - 35
2170127	Perfluorononanoic acid (PFNA)	0.0418	Spike	P	0 - 35
2170127	Perfluorooctanesulfonic acid (PFOS)	8.30	Spike	P	0 - 35
2170127	Perfluorooctanoic acid (PFOA)	16.7	Spike	P	0 - 35
2170127	Perfluoropentanesulfonic acid (PFPeS)	12.2	Spike	P	0 - 35
2170127	Perfluoropentanoic acid (PFPeA)	14.3	Spike	P	0 - 35
2170127	Perfluorotetradecanoic acid (PFTeA)	8.13	Spike	P	0 - 35
2170127	Perfluorotridecanoic acid (PFTriA)	19.9	Spike	P	0 - 35
2170127	Perfluoroundecanoic acid (PFUnA)	21.5	Spike	P	0 - 35

Quality Assurance Report Precision

Reference Method: EPA 8321B
 Batch ID: P382092

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2170171	4:2 Fluorotelomer sulfonate (4:2 FTS)	5.12	Spike	P	0 - 35
2170171	6:2 Fluorotelomer sulfonate (6:2 FTS)	4.93	Spike	P	0 - 35
2170171	8:2 Fluorotelomer sulfonate (8:2 FTS)	13.7	Spike	P	0 - 35
2170171	Hexafluoropropylene oxide dimer acid	14.0	Spike	P	0 - 35
2170171	N-Et perfluorooctanesulfonamidoAc acid	2.94	Spike	P	0 - 35
2170171	N-Me perfluorooctanesulfonamidoAc acid	4.29	Spike	P	0 - 35
2170171	Perfluorobutanesulfonic acid (PFBS)	7.60	Spike	P	0 - 35
2170171	Perfluorodecanesulfonic acid (PFDS)	6.12	Spike	P	0 - 35
2170171	Perfluorodecanoic acid (PFDA)	6.65	Spike	P	0 - 35
2170171	Perfluorododecanoic acid (PFDoA)	8.87	Spike	P	0 - 35
2170171	Perfluoroheptanesulfonic acid (PFHpS)	18.9	Spike	P	0 - 35
2170171	Perfluoroheptanoic acid (PFHpA)	18.1	Spike	P	0 - 35
2170171	Perfluorohexanesulfonic acid (PFHxS)	10.1	Spike	P	0 - 35
2170171	Perfluorohexanoic acid (PFHxA)	5.08	Spike	P	0 - 35
2170171	Perfluorononanesulfonic acid (PFNS)	5.82	Spike	P	0 - 35
2170171	Perfluorononanoic acid (PFNA)	0.903	Spike	P	0 - 35
2170171	Perfluorooctanesulfonic acid (PFOS)	10.1	Spike	P	0 - 35
2170171	Perfluorooctanoic acid (PFOA)	4.96	Spike	P	0 - 35
2170171	Perfluoropentanesulfonic acid (PFPeS)	8.49	Spike	P	0 - 35
2170171	Perfluoropentanoic acid (PFPeA)	3.31	Spike	P	0 - 35
2170171	Perfluorotetradecanoic acid (PFTeA)	4.30	Spike	P	0 - 35
2170171	Perfluorotridecanoic acid (PFTriA)	0.199	Spike	P	0 - 35
2170171	Perfluoroundecanoic acid (PFUnA)	4.85	Spike	P	0 - 35

Reference Method: EPA 8321B
 Batch ID: P382093

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2170218	4:2 Fluorotelomer sulfonate (4:2 FTS)	29.4	Spike	P	0 - 35
2170218	6:2 Fluorotelomer sulfonate (6:2 FTS)	12.4	Spike	P	0 - 35
2170218	8:2 Fluorotelomer sulfonate (8:2 FTS)	21.2	Spike	P	0 - 35
2170218	Hexafluoropropylene oxide dimer acid	24.6	Spike	P	0 - 35
2170218	N-Et perfluorooctanesulfonamidoAc acid	34.0	Spike	P	0 - 35
2170218	N-Me perfluorooctanesulfonamidoAc acid	19.8	Spike	P	0 - 35
2170218	Perfluorobutanesulfonic acid (PFBS)	18.9	Spike	P	0 - 35
2170218	Perfluorodecanesulfonic acid (PFDS)	20.1	Spike	P	0 - 35
2170218	Perfluorodecanoic acid (PFDA)	14.8	Spike	P	0 - 35
2170218	Perfluorododecanoic acid (PFDoA)	8.79	Spike	P	0 - 35
2170218	Perfluoroheptanesulfonic acid (PFHpS)	24.1	Spike	P	0 - 35
2170218	Perfluoroheptanoic acid (PFHpA)	18.8	Spike	P	0 - 35
2170218	Perfluorohexanesulfonic acid (PFHxS)	15.3	Spike	P	0 - 35
2170218	Perfluorohexanoic acid (PFHxA)	13.6	Spike	P	0 - 35
2170218	Perfluorononanesulfonic acid (PFNS)	23.0	Spike	P	0 - 35
2170218	Perfluorononanoic acid (PFNA)	22.1	Spike	P	0 - 35
2170218	Perfluorooctanesulfonic acid (PFOS)	26.8	Spike	P	0 - 35
2170218	Perfluorooctanoic acid (PFOA)	14.3	Spike	P	0 - 35
2170218	Perfluoropentanesulfonic acid (PFPeS)	25.9	Spike	P	0 - 35
2170218	Perfluoropentanoic acid (PFPeA)	6.14	Spike	P	0 - 35
2170218	Perfluorotetradecanoic acid (PFTeA)	13.4	Spike	P	0 - 35
2170218	Perfluorotridecanoic acid (PFTriA)	19.8	Spike	P	0 - 35

Quality Assurance Report Precision

Reference Method: EPA 8321B
 Batch ID: P382093

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2170218	Perfluoroundecanoic acid (PFUnA)	34.9	Spike	P	0 - 35

Reference Method: EPA 8321B
 Batch ID: P382138

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2170669	4:2 Fluorotelomer sulfonate (4:2 FTS)	3.76	Spike	P	0 - 30
2170669	6:2 Fluorotelomer sulfonate (6:2 FTS)	8.83	Spike	P	0 - 30
2170669	8:2 Fluorotelomer sulfonate (8:2 FTS)	14.1	Spike	P	0 - 30
2170669	Hexafluoropropylene oxide dimer acid	22.0	Spike	P	0 - 30
2170669	N-Et perfluorooctanesulfonamidoAc acid	9.64	Spike	P	0 - 30
2170669	N-Me perfluorooctanesulfonamidoAc acid	7.54	Spike	P	0 - 30
2170669	Perfluorobutanesulfonic acid (PFBS)	2.34	Spike	P	0 - 30
2170669	Perfluorodecanesulfonic acid (PFDS)	2.73	Spike	P	0 - 30
2170669	Perfluorodecanoic acid (PFDA)	7.36	Spike	P	0 - 30
2170669	Perfluorododecanoic acid (PFDoA)	2.78	Spike	P	0 - 30
2170669	Perfluoroheptanesulfonic acid (PFHpS)	28.0	Spike	P	0 - 30
2170669	Perfluoroheptanoic acid (PFHpA)	27.9	Spike	P	0 - 30
2170669	Perfluorohexanesulfonic acid (PFHxS)	1.91	Spike	P	0 - 30
2170669	Perfluorohexanoic acid (PFHxA)	19.4	Spike	P	0 - 30
2170669	Perfluorononanesulfonic acid (PFNS)	1.82	Spike	P	0 - 30
2170669	Perfluorononanoic acid (PFNA)	19.9	Spike	P	0 - 30
2170669	Perfluorooctanesulfonic acid (PFOS)	2.20	Spike	P	0 - 30
2170669	Perfluorooctanoic acid (PFOA)	7.19	Spike	P	0 - 30
2170669	Perfluoropentanesulfonic acid (PFPeS)	16.4	Spike	P	0 - 30
2170669	Perfluoropentanoic acid (PFPeA)	4.19	Spike	P	0 - 30
2170669	Perfluorotetradecanoic acid (PFTeA)	11.2	Spike	P	0 - 30
2170669	Perfluorotridecanoic acid (PFTriA)	0.963	Spike	P	0 - 30
2170669	Perfluoroundecanoic acid (PFUnA)	0.869	Spike	P	0 - 30

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report Surrogates

Lab Sample ID: 2169855
Field Sample ID: SB-201 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	70.3	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	75.9	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	86.0	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	69.0	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	73.3	P	30 - 160

Lab Sample ID: 2169856
Field Sample ID: SB-201 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	64.6	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	78.4	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	86.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	70.9	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	71.5	P	30 - 160

Lab Sample ID: 2169857
Field Sample ID: SB-201 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	56.2	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	86.0	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	79.3	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	67.8	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	67.9	P	30 - 160

Lab Sample ID: 2169858
Field Sample ID: SB-202 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	67.9	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	79.5	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	78.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	75.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	73.5	P	30 - 160

Lab Sample ID: 2169859
Field Sample ID: SB-202 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	82.1	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	82.4	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	87.3	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	81.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	78.5	P	30 - 160

Lab Sample ID: 2169860
Field Sample ID: SB-202 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	66.1	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	91.4	P	30 - 160

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Lab Sample ID: 2169860
Field Sample ID: SB-202 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorodecanoic acid-13C	80.4	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	77.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	73.3	P	30 - 160

Lab Sample ID: 2169861
Field Sample ID: SB-203 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	90.3	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	88.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	80.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	85.5	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	82.7	P	30 - 160

Lab Sample ID: 2169862
Field Sample ID: SB-203 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	77.5	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	90.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	88.1	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	86.3	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	73.0	P	30 - 160

Lab Sample ID: 2169863
Field Sample ID: SB-203 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	93.2	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	81.0	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	89.4	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	78.0	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	74.6	P	30 - 160

Lab Sample ID: 2169864
Field Sample ID: SB-204 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	75.6	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	77.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	83.6	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	68.0	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	70.4	P	30 - 160

Lab Sample ID: 2169865
Field Sample ID: SB-204 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	93.3	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	89.0	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	90.1	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	89.9	P	30 - 160

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Lab Sample ID: 2169865
 Field Sample ID: SB-204 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorohexanoic acid-13C	85.2	P	30 - 160

Lab Sample ID: 2169866
 Field Sample ID: SB-204 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	74.1	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	84.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	82.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	69.6	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	75.6	P	30 - 160

Lab Sample ID: 2169879
 Field Sample ID: SB-205 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	76.5	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	88.4	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	79.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	86.6	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	78.6	P	30 - 160

Lab Sample ID: 2169880
 Field Sample ID: SB-205 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	109	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	85.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	80.2	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	86.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	85.9	P	30 - 160

Lab Sample ID: 2169881
 Field Sample ID: SB-205 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	66.1	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	89.0	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	64.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	66.8	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	68.4	P	30 - 160

Lab Sample ID: 2169882
 Field Sample ID: SB-206 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	79.4	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	77.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	70.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	69.0	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	72.0	P	30 - 160

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Lab Sample ID: 2169883
Field Sample ID: SB-206 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	59.8	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	84.6	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	75.1	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	78.0	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	75.5	P	30 - 160

Lab Sample ID: 2169884
Field Sample ID: SB-206 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	58.2	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	82.2	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	48.6	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	66.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	83.0	P	30 - 160

Lab Sample ID: 2169885
Field Sample ID: SB-207 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	100	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	86.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	77.3	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	88.6	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	98.8	P	30 - 160

Lab Sample ID: 2169886
Field Sample ID: SB-207 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	86.7	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	87.0	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	58.0	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	97.6	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	94.2	P	30 - 160

Lab Sample ID: 2169887
Field Sample ID: SB-207 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	76.9	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	86.8	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	87.0	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	77.0	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	75.7	P	30 - 160

Lab Sample ID: 2169888
Field Sample ID: SB-208 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	84.4	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	95.7	P	30 - 160

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Lab Sample ID: 2169888
Field Sample ID: SB-208 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorodecanoic acid-13C	98.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	84.3	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	86.6	P	30 - 160

Lab Sample ID: 2169889
Field Sample ID: SB-209 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	80.0	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	105	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	116	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	75.0	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	59.5	P	30 - 160

Lab Sample ID: 2169890
Field Sample ID: SB-209 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	60.9	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	121	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	97.0	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	72.8	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	56.0	P	30 - 160

Lab Sample ID: 2169903
Field Sample ID: SB-209 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	72.5	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	119	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	105	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	85.4	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	64.5	P	30 - 160

Lab Sample ID: 2169904
Field Sample ID: SB-210 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	62.3	P	30 - 160
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	80.1	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	107	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	106	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	69.1	P	30 - 160

Lab Sample ID: 2169905
Field Sample ID: SB-210 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	131	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	88.8	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	101	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	98.7	P	30 - 160

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Lab Sample ID: 2169905
 Field Sample ID: SB-210 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorohexanoic acid-13C	97.6	P	30 - 160

Lab Sample ID: 2169906
 Field Sample ID: SB-210 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	88.8	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	93.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	106	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	91.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	96.8	P	30 - 160

Lab Sample ID: 2169907
 Field Sample ID: SB-211 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	97.7	P	30 - 160
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	136	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	36.9	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	69.8	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	69.8	P	30 - 160

Lab Sample ID: 2169908
 Field Sample ID: SB-211 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	114	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	58.8	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	76.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	74.4	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	59.0	P	30 - 160

Lab Sample ID: 2169909
 Field Sample ID: SB-211 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	74.5	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	119	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	84.4	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	79.4	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	61.3	P	30 - 160

Lab Sample ID: 2169910
 Field Sample ID: SB-212 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	126	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	67.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	106	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	90.9	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	135	P	30 - 160

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Lab Sample ID: 2169911
Field Sample ID: SB-212 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	121	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	88.5	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	99.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	104	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	110	P	30 - 160

Lab Sample ID: 2169912
Field Sample ID: SB-212 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	76.7	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	106	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	91.6	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	77.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	66.5	P	30 - 160

Lab Sample ID: 2169913
Field Sample ID: SB-213 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	141	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	83.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	88.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	92.7	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	142	P	30 - 160

Lab Sample ID: 2169914
Field Sample ID: SB-213 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	111	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	111	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	88.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	89.4	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	104	P	30 - 160

Lab Sample ID: 2169927
Field Sample ID: SB-213 (2-3')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	109	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	111	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	128	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	102	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	103	P	30 - 160

Lab Sample ID: 2169928
Field Sample ID: SB-214 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	147	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	86.3	P	30 - 160

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Lab Sample ID: 2169928
Field Sample ID: SB-214 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorodecanoic acid-13C	117	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	111	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	148	P	30 - 160

Lab Sample ID: 2169929
Field Sample ID: SB-214 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	120	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	79.5	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	146	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	110	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	109	P	30 - 160

Lab Sample ID: 2169930
Field Sample ID: SB-214 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	98.9	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	97.4	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	95.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	88.2	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	80.7	P	30 - 160

Lab Sample ID: 2169931
Field Sample ID: SB-215 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	91.3	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	73.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	74.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	149	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	74.8	P	30 - 160

Lab Sample ID: 2169932
Field Sample ID: SB-215 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	102	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	104	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	126	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	124	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	93.0	P	30 - 160

Lab Sample ID: 2169933
Field Sample ID: SB-215 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	99.0	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	79.5	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	100	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	152	P	30 - 160

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Lab Sample ID: 2169933
 Field Sample ID: SB-215 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorohexanoic acid-13C	78.7	P	30 - 160

Lab Sample ID: 2169934
 Field Sample ID: SB-216 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	107	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	69.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	110	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	141	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	94.1	P	30 - 160

Lab Sample ID: 2169935
 Field Sample ID: SB-216 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	129	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	89.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	99.8	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	148	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	120	P	30 - 160

Lab Sample ID: 2169936
 Field Sample ID: SB-216 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	93.8	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	117	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	108	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	160	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	72.6	P	30 - 160

Lab Sample ID: 2169937
 Field Sample ID: SB-217 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	111	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	68.2	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	93.8	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	119	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	101	P	30 - 160

Lab Sample ID: 2169938
 Field Sample ID: SB-217 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	101	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	78.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	73.6	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	141	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	79.8	P	30 - 160

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Lab Sample ID: 2169951
Field Sample ID: SB-217 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	129	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	84.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	96.1	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	153	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	92.4	P	30 - 160

Lab Sample ID: 2169952
Field Sample ID: SB-218 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	103	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	144	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	87.3	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	158	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	94.8	P	30 - 160

Lab Sample ID: 2169953
Field Sample ID: SB-218 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	123	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	159	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	105	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	132	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	93.5	P	30 - 160

Lab Sample ID: 2169954
Field Sample ID: SB-218 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	126	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	63.1	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	83.3	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	112	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	112	P	30 - 160

Lab Sample ID: 2169955
Field Sample ID: SB-219 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	116	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	73.5	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	98.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	136	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	80.2	P	30 - 160

Lab Sample ID: 2169956
Field Sample ID: SB-219 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	72.2	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	88.7	P	30 - 160

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Lab Sample ID: 2169956
Field Sample ID: SB-219 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorodecanoic acid-13C	95.8	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	94.0	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	65.4	P	30 - 160

Lab Sample ID: 2169957
Field Sample ID: SB-219 (2-3')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	95.6	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	69.2	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	102	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	140	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	84.7	P	30 - 160

Lab Sample ID: 2169958
Field Sample ID: SB-220 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	113	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	69.1	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	89.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	130	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	116	P	30 - 160

Lab Sample ID: 2169959
Field Sample ID: SB-220 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	84.7	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	72.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	78.2	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	138	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	69.2	P	30 - 160

Lab Sample ID: 2169960
Field Sample ID: SB-220 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	106	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	54.8	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	82.9	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	104	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	92.7	P	30 - 160

Lab Sample ID: 2169961
Field Sample ID: SB-221 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	81.7	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	87.1	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	75.9	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	156	P	30 - 160

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Lab Sample ID: 2169961
 Field Sample ID: SB-221 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorohexanoic acid-13C	75.6	P	30 - 160

Lab Sample ID: 2169962
 Field Sample ID: SB-221 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	74.8	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	123	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	77.9	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	134	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	60.5	P	30 - 160

Lab Sample ID: 2169975
 Field Sample ID: SB-222 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	79.2	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	89.6	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	82.3	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	153	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	93.1	P	30 - 160

Lab Sample ID: 2169976
 Field Sample ID: SB-222 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	94.2	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	99.5	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	86.0	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	158	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	95.0	P	30 - 160

Lab Sample ID: 2169977
 Field Sample ID: SB-222 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	130	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	75.2	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	115	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	112	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	130	P	30 - 160

Lab Sample ID: 2169978
 Field Sample ID: SB-223 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	103	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	75.0	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	96.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	114	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	121	P	30 - 160

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Lab Sample ID: 2169979
Field Sample ID: SB-223 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	120	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	78.6	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	108	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	119	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	101	P	30 - 160

Lab Sample ID: 2169980
Field Sample ID: SB-223 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	66.4	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	66.2	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	70.3	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	110	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	63.9	P	30 - 160

Lab Sample ID: 2169981
Field Sample ID: SB-224 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	74.8	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	77.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	99.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	137	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	87.4	P	30 - 160

Lab Sample ID: 2169982
Field Sample ID: SB-224 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	131	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	68.5	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	97.2	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	114	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	103	P	30 - 160

Lab Sample ID: 2169983
Field Sample ID: SB-224 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	105	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	68.2	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	82.3	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	106	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	107	P	30 - 160

Lab Sample ID: 2169984
Field Sample ID: SB-225 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	124	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	68.4	P	30 - 160

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Lab Sample ID: 2169984
Field Sample ID: SB-225 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorodecanoic acid-13C	95.9	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	114	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	126	P	30 - 160

Lab Sample ID: 2169985
Field Sample ID: SB-225 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	91.8	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	62.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	86.4	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	106	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	87.6	P	30 - 160

Lab Sample ID: 2169986
Field Sample ID: SB-225 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	146	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	70.2	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	124	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	107	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	111	P	30 - 160

Lab Sample ID: 2169999
Field Sample ID: SB-226 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	124	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	66.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	112	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	110	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	112	P	30 - 160

Lab Sample ID: 2170000
Field Sample ID: SB-226 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	152	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	102	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	115	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	141	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	146	P	30 - 160

Lab Sample ID: 2170001
Field Sample ID: SB-226 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	98.9	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	103	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	120	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	152	P	30 - 160

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Lab Sample ID: 2170001
 Field Sample ID: SB-226 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorohexanoic acid-13C	96.3	P	30 - 160

Lab Sample ID: 2170002
 Field Sample ID: SB-227 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	120	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	61.4	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	90.3	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	96.8	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	126	P	30 - 160

Lab Sample ID: 2170003
 Field Sample ID: SB-227 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	114	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	69.4	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	88.2	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	107	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	95.7	P	30 - 160

Lab Sample ID: 2170004
 Field Sample ID: SB-227 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	130	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	66.9	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	95.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	94.3	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	114	P	30 - 160

Lab Sample ID: 2170005
 Field Sample ID: SB-228 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	123	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	61.5	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	93.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	91.6	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	130	P	30 - 160

Lab Sample ID: 2170006
 Field Sample ID: SB-228 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	133	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	112	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	116	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	157	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	123	P	30 - 160

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Lab Sample ID: 2170007
Field Sample ID: SB-228 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	146	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	91.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	107	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	88.2	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	110	P	30 - 160

Lab Sample ID: 2170008
Field Sample ID: SB-229 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	129	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	84.0	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	83.8	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	79.7	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	111	P	30 - 160

Lab Sample ID: 2170009
Field Sample ID: SB-229 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	131	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	92.8	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	135	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	81.6	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	118	P	30 - 160

Lab Sample ID: 2170010
Field Sample ID: SB-229 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	128	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	86.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	101	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	79.7	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	113	P	30 - 160

Lab Sample ID: 2170023
Field Sample ID: SB-230 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	136	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	96.0	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	115	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	90.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	123	P	30 - 160

Lab Sample ID: 2170024
Field Sample ID: SB-230 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	108	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	79.4	P	30 - 160

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Lab Sample ID: 2170024
Field Sample ID: SB-230 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorodecanoic acid-13C	83.0	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	78.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	104	P	30 - 160

Lab Sample ID: 2170025
Field Sample ID: SB-230 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	113	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	82.9	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	119	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	79.7	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	118	P	30 - 160

Lab Sample ID: 2170026
Field Sample ID: SB-231 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	109	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	83.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	85.9	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	75.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	109	P	30 - 160

Lab Sample ID: 2170027
Field Sample ID: SB-231 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	129	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	88.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	91.1	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	89.9	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	116	P	30 - 160

Lab Sample ID: 2170028
Field Sample ID: SB-231 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	125	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	90.0	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	92.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	88.9	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	113	P	30 - 160

Lab Sample ID: 2170029
Field Sample ID: SB-232 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	112	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	90.2	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	81.0	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	78.5	P	30 - 160

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Lab Sample ID: 2170029
 Field Sample ID: SB-232 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorohexanoic acid-13C	97.8	P	30 - 160

Lab Sample ID: 2170030
 Field Sample ID: SB-232 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	91.4	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	82.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	79.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	80.9	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	108	P	30 - 160

Lab Sample ID: 2170031
 Field Sample ID: SB-232 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	73.9	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	66.0	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	71.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	64.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	84.9	P	30 - 160

Lab Sample ID: 2170032
 Field Sample ID: SB-233 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	96.1	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	75.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	82.2	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	82.9	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	93.4	P	30 - 160

Lab Sample ID: 2170033
 Field Sample ID: SB-233 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	166	F	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	105	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	117	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	105	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	142	P	30 - 160

Lab Sample ID: 2170034
 Field Sample ID: SB-233 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	105	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	91.6	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	83.8	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	78.9	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	115	P	30 - 160

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Lab Sample ID: 2170047
Field Sample ID: SB-234 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	74.1	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	95.9	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	124	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	94.8	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	134	P	30 - 160

Lab Sample ID: 2170048
Field Sample ID: SB-234 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	89.6	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	74.4	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	76.1	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	84.3	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	90.3	P	30 - 160

Lab Sample ID: 2170049
Field Sample ID: SB-234 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	81.3	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	69.9	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	89.1	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	68.9	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	91.8	P	30 - 160

Lab Sample ID: 2170050
Field Sample ID: SB-235 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	89.8	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	75.4	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	91.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	72.2	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	99.0	P	30 - 160

Lab Sample ID: 2170051
Field Sample ID: SB-235 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	122	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	83.5	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	113	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	100	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	82.5	P	30 - 160

Lab Sample ID: 2170052
Field Sample ID: SB-235 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	76.2	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	74.0	P	30 - 160

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Lab Sample ID: 2170052
Field Sample ID: SB-235 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorodecanoic acid-13C	59.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	75.3	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	87.0	P	30 - 160

Lab Sample ID: 2170053
Field Sample ID: SB-236 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	77.2	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	84.2	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	77.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	88.7	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	95.2	P	30 - 160

Lab Sample ID: 2170054
Field Sample ID: SB-236 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	94.5	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	75.5	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	85.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	78.5	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	76.6	P	30 - 160

Lab Sample ID: 2170055
Field Sample ID: SB-236 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	115	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	76.2	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	113	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	107	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	74.8	P	30 - 160

Lab Sample ID: 2170056
Field Sample ID: SB-237 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	106	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	143	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	160	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	135	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	143	P	30 - 160

Lab Sample ID: 2170057
Field Sample ID: SB-237 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	99.2	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	71.1	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	79.3	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	87.3	P	30 - 160

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Lab Sample ID: 2170057
Field Sample ID: SB-237 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorohexanoic acid-13C	71.8	P	30 - 160

Lab Sample ID: 2170058
Field Sample ID: SB-237 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	84.4	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	113	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	123	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	96.7	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	132	P	30 - 160

Lab Sample ID: 2170071
Field Sample ID: SB-238 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	89.4	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	68.5	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	68.9	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	78.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	69.3	P	30 - 160

Lab Sample ID: 2170072
Field Sample ID: SB-238 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	79.9	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	84.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	87.4	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	82.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	94.0	P	30 - 160

Lab Sample ID: 2170073
Field Sample ID: SB-238 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	91.4	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	67.8	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	83.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	79.2	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	69.9	P	30 - 160

Lab Sample ID: 2170074
Field Sample ID: SB-239 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	77.2	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	77.9	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	84.1	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	76.8	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	99.1	P	30 - 160

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Lab Sample ID: 2170075
Field Sample ID: SB-239 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	75.3	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	77.9	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	88.9	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	73.7	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	89.6	P	30 - 160

Lab Sample ID: 2170076
Field Sample ID: SB-239 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	92.8	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	66.2	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	86.2	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	81.4	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	64.1	P	30 - 160

Lab Sample ID: 2170077
Field Sample ID: SB-240 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	80.1	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	86.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	91.1	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	80.4	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	95.9	P	30 - 160

Lab Sample ID: 2170078
Field Sample ID: SB-240 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	91.3	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	69.5	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	76.3	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	75.5	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	65.5	P	30 - 160

Lab Sample ID: 2170079
Field Sample ID: SB-240 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	66.1	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	68.6	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	59.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	62.3	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	81.1	P	30 - 160

Lab Sample ID: 2170080
Field Sample ID: SB-241 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	87.9	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	62.9	P	30 - 160

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Lab Sample ID: 2170080
Field Sample ID: SB-241 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorodecanoic acid-13C	73.9	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	76.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	64.8	P	30 - 160

Lab Sample ID: 2170081
Field Sample ID: SB-241 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	69.1	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	69.0	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	70.2	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	70.3	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	87.4	P	30 - 160

Lab Sample ID: 2170082
Field Sample ID: SB-241 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	80.6	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	64.1	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	62.0	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	63.8	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	68.2	P	30 - 160

Lab Sample ID: 2170095
Field Sample ID: SB-242 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	129	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	103	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	99.2	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	122	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	100	P	30 - 160

Lab Sample ID: 2170096
Field Sample ID: SB-242 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	110	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	93.9	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	87.1	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	115	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	103	P	30 - 160

Lab Sample ID: 2170097
Field Sample ID: SB-242 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	103	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	99.6	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	119	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	126	P	30 - 160

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Lab Sample ID: 2170097
 Field Sample ID: SB-242 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorohexanoic acid-13C	102	P	30 - 160

Lab Sample ID: 2170098
 Field Sample ID: SB-243 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	113	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	96.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	102	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	108	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	103	P	30 - 160

Lab Sample ID: 2170099
 Field Sample ID: SB-243 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	96.1	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	148	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	141	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	158	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	134	P	30 - 160

Lab Sample ID: 2170100
 Field Sample ID: SB-243 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	118	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	97.8	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	116	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	111	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	93.9	P	30 - 160

Lab Sample ID: 2170101
 Field Sample ID: SB-244 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	104	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	150	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	126	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	117	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	106	P	30 - 160

Lab Sample ID: 2170102
 Field Sample ID: SB-244 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	152	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	152	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	144	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	147	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	124	P	30 - 160

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Lab Sample ID: 2170103
Field Sample ID: SB-245 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	105	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	144	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	121	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	156	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	85.2	P	30 - 160

Lab Sample ID: 2170104
Field Sample ID: SB-245 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	107	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	157	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	156	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	159	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	134	P	30 - 160

Lab Sample ID: 2170105
Field Sample ID: SB-245 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	126	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	120	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	105	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	112	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	79.2	P	30 - 160

Lab Sample ID: 2170106
Field Sample ID: SB-246 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	93.2	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	85.0	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	69.6	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	104	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	72.7	P	30 - 160

Lab Sample ID: 2170119
Field Sample ID: SB-246 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	107	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	134	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	150	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	158	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	87.5	P	30 - 160

Lab Sample ID: 2170120
Field Sample ID: SB-246 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	96.8	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	122	P	30 - 160

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Lab Sample ID: 2170120
Field Sample ID: SB-246 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorodecanoic acid-13C	107	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	155	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	94.0	P	30 - 160

Lab Sample ID: 2170121
Field Sample ID: SB-247 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	91.4	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	120	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	102	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	135	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	100	P	30 - 160

Lab Sample ID: 2170122
Field Sample ID: SB-247 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	120	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	149	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	147	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	148	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	97.7	P	30 - 160

Lab Sample ID: 2170123
Field Sample ID: SB-247 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	77.2	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	106	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	84.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	137	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	83.8	P	30 - 160

Lab Sample ID: 2170124
Field Sample ID: SB-248 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	89.1	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	109	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	103	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	134	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	111	P	30 - 160

Lab Sample ID: 2170125
Field Sample ID: SB-248 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	87.4	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	129	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	98.1	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	153	P	30 - 160

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Lab Sample ID: 2170125
 Field Sample ID: SB-248 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorohexanoic acid-13C	89.1	P	30 - 160

Lab Sample ID: 2170126
 Field Sample ID: SB-248 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	93.4	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	121	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	115	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	148	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	117	P	30 - 160

Lab Sample ID: 2170127
 Field Sample ID: SB-249 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	125	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	130	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	110	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	133	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	115	P	30 - 160

Lab Sample ID: 2170128
 Field Sample ID: SB-249 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	119	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	148	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	102	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	150	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	121	P	30 - 160

Lab Sample ID: 2170129
 Field Sample ID: SB-249 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	107	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	128	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	105	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	134	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	103	P	30 - 160

Lab Sample ID: 2170130
 Field Sample ID: SB-250 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	118	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	120	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	98.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	135	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	125	P	30 - 160

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Lab Sample ID: 2170143
Field Sample ID: SB-250 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	134	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	146	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	141	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	133	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	146	P	30 - 160

Lab Sample ID: 2170144
Field Sample ID: SB-250 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	111	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	139	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	121	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	130	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	143	P	30 - 160

Lab Sample ID: 2170145
Field Sample ID: SB-251 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	139	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	140	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	149	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	128	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	145	P	30 - 160

Lab Sample ID: 2170146
Field Sample ID: SB-251 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	116	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	128	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	105	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	122	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	106	P	30 - 160

Lab Sample ID: 2170147
Field Sample ID: SB-251 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	128	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	130	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	112	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	112	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	102	P	30 - 160

Lab Sample ID: 2170148
Field Sample ID: SB-252 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	152	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	136	P	30 - 160

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Lab Sample ID: 2170148
Field Sample ID: SB-252 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorodecanoic acid-13C	150	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	123	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	128	P	30 - 160

Lab Sample ID: 2170149
Field Sample ID: SB-252 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	108	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	118	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	154	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	154	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	149	P	30 - 160

Lab Sample ID: 2170150
Field Sample ID: SB-252 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	133	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	151	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	130	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	123	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	100	P	30 - 160

Lab Sample ID: 2170151
Field Sample ID: SB-253 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	125	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	108	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	92.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	94.0	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	91.9	P	30 - 160

Lab Sample ID: 2170152
Field Sample ID: SB-253 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	116	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	135	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	122	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	118	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	117	P	30 - 160

Lab Sample ID: 2170153
Field Sample ID: SB-253 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	125	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	137	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	151	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	124	P	30 - 160

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Lab Sample ID: 2170153
Field Sample ID: SB-253 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorohexanoic acid-13C	123	P	30 - 160

Lab Sample ID: 2170154
Field Sample ID: SB-254 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	133	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	138	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	143	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	123	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	106	P	30 - 160

Lab Sample ID: 2170167
Field Sample ID: SB-254 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	136	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	133	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	156	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	130	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	130	P	30 - 160

Lab Sample ID: 2170168
Field Sample ID: SB-254 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	125	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	145	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	115	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	124	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	123	P	30 - 160

Lab Sample ID: 2170169
Field Sample ID: SB-255 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	136	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	144	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	116	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	126	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	134	P	30 - 160

Lab Sample ID: 2170170
Field Sample ID: SB-255 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	109	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	137	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	117	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	126	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	106	P	30 - 160

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Lab Sample ID: 2170171
Field Sample ID: SB-255 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	157	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	131	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	156	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	124	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	100	P	30 - 160

Lab Sample ID: 2170172
Field Sample ID: SB-256 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	124	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	116	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	128	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	108	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	97.4	P	30 - 160

Lab Sample ID: 2170173
Field Sample ID: SB-256 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	156	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	153	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	150	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	148	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	137	P	30 - 160

Lab Sample ID: 2170174
Field Sample ID: SB-256 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	135	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	108	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	122	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	115	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	80.5	P	30 - 160

Lab Sample ID: 2170175
Field Sample ID: SB-257 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	159	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	142	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	147	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	139	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	98.6	P	30 - 160

Lab Sample ID: 2170176
Field Sample ID: SB-257 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	137	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	158	P	30 - 160

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Lab Sample ID: 2170176
Field Sample ID: SB-257 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorodecanoic acid-13C	157	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	157	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	119	P	30 - 160

Lab Sample ID: 2170177
Field Sample ID: SB-257 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	132	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	127	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	142	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	115	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	115	P	30 - 160

Lab Sample ID: 2170178
Field Sample ID: SB-258 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	158	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	145	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	152	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	136	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	118	P	30 - 160

Lab Sample ID: 2170191
Field Sample ID: SB-258 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	152	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	129	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	145	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	129	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	90.6	P	30 - 160

Lab Sample ID: 2170192
Field Sample ID: SB-258 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	129	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	128	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	147	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	119	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	122	P	30 - 160

Lab Sample ID: 2170193
Field Sample ID: SB-259 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	123	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	131	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	154	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	110	P	30 - 160

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Lab Sample ID: 2170193
 Field Sample ID: SB-259 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorohexanoic acid-13C	118	P	30 - 160

Lab Sample ID: 2170194
 Field Sample ID: SB-259 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	131	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	122	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	139	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	117	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	81.9	P	30 - 160

Lab Sample ID: 2170195
 Field Sample ID: SB-259 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	136	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	139	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	139	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	140	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	72.6	P	30 - 160

Lab Sample ID: 2170196
 Field Sample ID: SB-260 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	152	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	155	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	152	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	143	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	154	P	30 - 160

Lab Sample ID: 2170197
 Field Sample ID: SB-260 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	121	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	145	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	151	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	133	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	81.7	P	30 - 160

Lab Sample ID: 2170198
 Field Sample ID: SB-260 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	149	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	136	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	148	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	150	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	133	P	30 - 160

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Lab Sample ID: 2170199
Field Sample ID: SB-262 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	147	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	128	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	147	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	131	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	85.4	P	30 - 160

Lab Sample ID: 2170215
Field Sample ID: SB-262 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	132	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	115	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	130	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	120	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	101	P	30 - 160

Lab Sample ID: 2170216
Field Sample ID: SB-262 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	156	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	149	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	150	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	138	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	129	P	30 - 160

Lab Sample ID: 2170217
Field Sample ID: SB-263 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	130	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	146	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	143	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	137	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	132	P	30 - 160

Lab Sample ID: 2170218
Field Sample ID: SB-263 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	122	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	145	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	147	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	142	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	149	P	30 - 160

Lab Sample ID: 2170219
Field Sample ID: SB-263 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	136	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	96.9	P	30 - 160

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Lab Sample ID: 2170219
Field Sample ID: SB-263 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorodecanoic acid-13C	114	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	97.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	109	P	30 - 160

Lab Sample ID: 2170220
Field Sample ID: SB-264 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	144	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	115	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	94.4	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	111	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	118	P	30 - 160

Lab Sample ID: 2170221
Field Sample ID: SB-264 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	136	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	112	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	130	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	117	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	131	P	30 - 160

Lab Sample ID: 2170222
Field Sample ID: SB-264 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	157	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	135	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	138	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	134	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	145	P	30 - 160

Lab Sample ID: 2170223
Field Sample ID: SB-265 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	134	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	105	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	99.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	104	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	140	P	30 - 160

Lab Sample ID: 2170224
Field Sample ID: SB-265 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	76.5	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	85.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	99.9	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	86.2	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2170224
 Field Sample ID: SB-265 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorohexanoic acid-13C	77.7	P	30 - 160

Lab Sample ID: 2170225
 Field Sample ID: SB-265 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	98.0	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	102	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	99.6	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	88.4	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	85.6	P	30 - 160

Lab Sample ID: 2170226
 Field Sample ID: SB-266 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	136	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	110	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	104	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	90.6	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	70.7	P	30 - 160

Lab Sample ID: 2170239
 Field Sample ID: SB-266 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	116	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	99.4	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	91.2	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	102	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	99.2	P	30 - 160

Lab Sample ID: 2170240
 Field Sample ID: SB-266 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	105	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	79.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	109	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	107	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	61.4	P	30 - 160

Lab Sample ID: 2170241
 Field Sample ID: SB-267 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	127	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	91.6	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	93.9	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	92.0	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	77.5	P	30 - 160

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Lab Sample ID: 2170242
Field Sample ID: SB-267 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	129	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	105	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	85.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	104	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	107	P	30 - 160

Lab Sample ID: 2170243
Field Sample ID: SB-267 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	93.5	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	91.1	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	78.0	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	95.0	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	92.0	P	30 - 160

Lab Sample ID: 2170244
Field Sample ID: SB-C-1 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	91.7	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	80.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	92.0	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	78.4	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	68.2	P	30 - 160

Lab Sample ID: 2170245
Field Sample ID: SB-C-1 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	95.7	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	90.0	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	86.4	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	87.8	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	65.5	P	30 - 160

Lab Sample ID: 2170246
Field Sample ID: SB-C-1 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	83.5	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	80.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	89.8	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	86.7	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	41.8	P	30 - 160

Lab Sample ID: 2170247
Field Sample ID: EQB-33

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	76.6	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	113	P	30 - 160

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Lab Sample ID: 2170247
Field Sample ID: EQB-33

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorodecanoic acid-13C	82.7	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	116	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	78.9	P	30 - 160

Lab Sample ID: 2170248
Field Sample ID: EQB-34

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	77.5	P	30 - 160
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	74.0	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	75.0	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	126	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	86.6	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	84.0	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	63.4	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	142	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	90.0	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	78.3	P	30 - 160

Lab Sample ID: 2170249
Field Sample ID: EQB-35

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	90.7	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	106	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	88.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	139	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	78.2	P	30 - 160

Lab Sample ID: 2170250
Field Sample ID: EQB-36

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	133	P	30 - 160
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	78.1	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	112	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	85.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	136	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	88.3	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	126	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	133	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	81.3	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	81.5	P	30 - 160

Lab Sample ID: 2170263
Field Sample ID: EQB-37

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	75.7	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	118	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	105	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	145	P	30 - 160

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Lab Sample ID: 2170263
 Field Sample ID: EQB-37

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorohexanoic acid-13C	88.9	P	30 - 160

Lab Sample ID: 2170264
 Field Sample ID: EQB-38

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	118	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	99.1	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	112	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	125	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	114	P	30 - 160

Lab Sample ID: 2170265
 Field Sample ID: EQB-39

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	98.9	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	120	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	110	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	156	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	115	P	30 - 160

Lab Sample ID: 2170266
 Field Sample ID: EQB-40

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	101	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	110	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	92.4	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	135	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	102	P	30 - 160

Lab Sample ID: 2170267
 Field Sample ID: EQB-40 MS/MSD

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	83.5	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	102	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	79.4	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	131	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	75.8	P	30 - 160

Lab Sample ID: 2170268
 Field Sample ID: EQB-41

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	76.6	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	101	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	123	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	103	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	73.8	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2170269
Field Sample ID: FRB-16

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	86.6	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	96.7	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	95.5	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	125	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	83.3	P	30 - 160

Lab Sample ID: 2170270
Field Sample ID: FRB-17

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	73.4	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	116	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	102	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	121	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	85.6	P	30 - 160

Lab Sample ID: 2170271
Field Sample ID: FRB-18

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	88.8	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	126	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	110	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	133	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	88.0	P	30 - 160

Lab Sample ID: 2170272
Field Sample ID: FRB-19

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	106	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	110	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	111	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	99.1	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	100	P	30 - 160

Lab Sample ID: 2170273
Field Sample ID: FRB-19 MS/MSD

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	96.2	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	119	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	119	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	134	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	90.4	P	30 - 160

Lab Sample ID: 2170274
Field Sample ID: FRB-20

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	99.9	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	115	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2170274
Field Sample ID: FRB-20

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorodecanoic acid-13C	110	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	113	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	96.9	P	30 - 160

Lab Sample ID: 2170275
Field Sample ID: FRB-20 MS/MSD

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	85.4	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	109	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	94.9	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	113	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	73.6	P	30 - 160

Lab Sample ID: 2170276
Field Sample ID: FRB-21

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	125	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	118	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	125	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	103	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	125	P	30 - 160

Lab Sample ID: 2170291
Field Sample ID: SB-261 (0-0.5')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	117	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	82.3	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	100	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	91.3	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	68.6	P	30 - 160

Lab Sample ID: 2170292
Field Sample ID: SB-261 (0.5-2')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	156	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	121	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	122	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	123	P	30 - 160
EPA 8321B	Perfluorohexanoic acid-13C	115	P	30 - 160

Lab Sample ID: 2170293
Field Sample ID: SB-261 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Hexafluoropropylene oxide dimer acid-13C	89.9	P	30 - 160
EPA 8321B	Perfluorobutanesulfonate-13C	83.8	P	30 - 160
EPA 8321B	Perfluorodecanoic acid-13C	85.0	P	30 - 160
EPA 8321B	Perfluorohexanesulfonate-13C	85.5	P	30 - 160

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Lab Sample ID: 2170293
Field Sample ID: SB-261 (2-4')

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Perfluorohexanoic acid-13C	66.3	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98819

Included Lab Sample IDs: 2170247, 2170249, 2170263, 2170264, 2170265, 2170266, 2170267, 2170268, 2170269, 2170270, 2170271, 2170272, 2170273, 2170274, 2170275, 2170276

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	109	122	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	120	126	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	122	120	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	115	86.5	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	121	108	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	86.5	121	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	101	131	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	131	128	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	139	101	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	117	75.0	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	75.0	94.2	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	92.7	117	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	122	136	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	127	119	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	136	127	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	127	140	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	136	130	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	140	136	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	115	96.7	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	118	89.5	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	89.5	115	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	135	159	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	146	149	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	159	146	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	66.5	71.7	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	71.7	83.3	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	93.1	66.5	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	131	73.9	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	73.9	95.9	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	96.1	131	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	109	111	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	110	112	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	112	109	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	84.3	91.3	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	94.5	63.4	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	95.8	84.3	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	116	146	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	142	116	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	146	141	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	104	71.0	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	71.0	97.3	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	84.3	104	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	108	138	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	135	108	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	138	136	P/P	60 - 160
Perfluorononanoic acid (PFNA)	115	91.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	91.2	92.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	92.2	98.0	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	107	124	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	119	107	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98819

Included Lab Sample IDs: 2170247, 2170249, 2170263, 2170264, 2170265, 2170266, 2170267, 2170268, 2170269, 2170270, 2170271, 2170272, 2170273, 2170274, 2170275, 2170276

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorooctanesulfonic acid (PFOS)	124	125	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	66.6	88.4	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	70.3	66.6	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	96.0	70.3	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	113	98.1	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	114	94.3	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	94.3	113	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	109	89.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	72.1	91.1	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	89.5	72.1	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	113	85.4	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	121	113	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	85.4	115	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	113	61.9	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	61.9	75.0	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	80.5	113	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	100	97.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	103	100	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	97.3	105	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A98824

Included Lab Sample IDs: 2169855, 2169856, 2169857, 2169858, 2169859, 2169860, 2169861, 2169862, 2169863, 2169864, 2169865, 2169866, 2169879, 2169880, 2169881, 2169882, 2169883, 2169884, 2169885, 2169886

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	115	118	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	118	131	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	135	115	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	67.4	68.1	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	68.1	125	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	72.8	67.4	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	75.3	96.1	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	87.1	75.3	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	96.1	74.1	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	102	144	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	95.7	102	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	68.4	107	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	73.8	68.4	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	81.6	73.8	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	66.5	70.3	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	70.3	78.8	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	76.8	66.5	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	63.8	73.7	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	71.9	63.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	73.7	84.5	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	68.6	72.4	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	72.4	73.7	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	78.2	68.6	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	68.9	78.3	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98824

Included Lab Sample IDs: 2169855, 2169856, 2169857, 2169858, 2169859, 2169860, 2169861, 2169862, 2169863, 2169864, 2169865, 2169866, 2169879, 2169880, 2169881, 2169882, 2169883, 2169884, 2169885, 2169886

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorodecanoic acid (PFDA)	78.3	140	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	81.9	68.9	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	72.0	72.1	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	72.1	87.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	79.9	72.0	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	73.7	115	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	79.3	73.7	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	88.7	79.3	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	61.2	112	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	64.0	61.2	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	61.2	72.1	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	69.6	61.2	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	72.1	84.2	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	64.3	101	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	70.8	64.3	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	77.1	70.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	83.1	99.5	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	95.3	83.1	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	99.5	87.9	P/P	60 - 160
Perfluorononanoic acid (PFNA)	81.0	85.3	P/P	60 - 160
Perfluorononanoic acid (PFNA)	85.3	85.1	P/P	60 - 160
Perfluorononanoic acid (PFNA)	98.6	81.0	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	62.8	70.3	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	70.3	77.3	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	74.1	62.8	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	60.4	66.4	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	66.4	105	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	67.3	69.9	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	69.9	113	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	83.4	67.3	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	62.3	62.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	62.5	97.6	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	74.7	62.3	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	124	139	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	125	93.2	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	93.2	124	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	104	87.8	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	87.8	116	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	96.1	104	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	60.7	69.9	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	69.9	77.2	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	76.7	60.7	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A98826

Included Lab Sample IDs: 2169931, 2169932, 2169933, 2169934, 2169935, 2169936, 2169937, 2169938, 2169951, 2169952, 2169953, 2169954, 2169955, 2169956, 2169957, 2169958, 2169959, 2169960, 2169961, 2169962, 2169975, 2169976, 2169977, 2169978, 2169979, 2169980, 2169981, 2169982, 2169983, 2169984, 2169985, 2169986, 2169999, 2170000, 2170001, 2170002, 2170003, 2170004, 2170005, 2170006

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	119	65.4	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98826

Included Lab Sample IDs: 2169931, 2169932, 2169933, 2169934, 2169935, 2169936, 2169937, 2169938, 2169951, 2169952, 2169953, 2169954, 2169955, 2169956, 2169957, 2169958, 2169959, 2169960, 2169961, 2169962, 2169975, 2169976, 2169977, 2169978, 2169979, 2169980, 2169981, 2169982, 2169983, 2169984, 2169985, 2169986, 2169999, 2170000, 2170001, 2170002, 2170003, 2170004, 2170005, 2170006

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	65.4	87.7	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	69.8	67.4	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	78.0	69.8	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	80.9	119	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	86.9	78.0	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	100	87.1	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	81.7	93.5	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	87.1	84.1	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	93.5	99.1	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	97.3	100	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	99.1	108	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	107	96.4	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	111	145	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	145	92.8	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	65.2	66.3	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	66.3	79.9	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	74.6	65.2	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	92.8	107	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	96.2	116	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	96.4	108	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	113	145	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	115	113	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	126	110	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	73.1	126	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	89.3	73.1	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	92.5	115	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	127	140	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	128	126	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	130	128	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	132	130	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	140	143	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	141	132	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	143	156	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	144	141	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	124	137	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	129	131	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	133	129	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	134	133	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	137	147	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	147	124	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	154	155	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	155	137	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	80.2	81.0	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	81.0	85.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	83.9	83.9	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	85.8	96.7	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	86.8	83.9	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	91.7	86.8	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	103	125	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98826

Included Lab Sample IDs: 2169931, 2169932, 2169933, 2169934, 2169935, 2169936, 2169937, 2169938, 2169951, 2169952, 2169953, 2169954, 2169955, 2169956, 2169957, 2169958, 2169959, 2169960, 2169961, 2169962, 2169975, 2169976, 2169977, 2169978, 2169979, 2169980, 2169981, 2169982, 2169983, 2169984, 2169985, 2169986, 2169999, 2170000, 2170001, 2170002, 2170003, 2170004, 2170005, 2170006

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorodecanesulfonic acid (PFDS)	104	117	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	107	108	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	107	117	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	108	118	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	126	107	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	128	159	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	159	104	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	100	106	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	106	138	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	118	78.8	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	62.8	118	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	63.1	100	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	69.4	62.8	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	109	136	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	113	134	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	134	147	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	136	142	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	147	134	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	147	109	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	105	109	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	106	105	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	107	110	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	108	106	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	110	108	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	110	117	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	117	124	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	121	117	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	122	121	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	113	75.0	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	118	152	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	64.4	100	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	70.6	113	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	77.2	70.6	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	100	118	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	100	103	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	103	99.6	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	107	118	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	108	108	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	108	110	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	110	128	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	116	135	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	135	100	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	99.6	107	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	104	75.5	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	118	120	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	120	155	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	144	114	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	75.5	144	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	89.3	134	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98826

Included Lab Sample IDs: 2169931, 2169932, 2169933, 2169934, 2169935, 2169936, 2169937, 2169938, 2169951, 2169952, 2169953, 2169954, 2169955, 2169956, 2169957, 2169958, 2169959, 2169960, 2169961, 2169962, 2169975, 2169976, 2169977, 2169978, 2169979, 2169980, 2169981, 2169982, 2169983, 2169984, 2169985, 2169986, 2169999, 2170000, 2170001, 2170002, 2170003, 2170004, 2170005, 2170006

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorononanesulfonic acid (PFNS)	104	111	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	104	111	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	111	96.5	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	89.0	92.7	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	90.4	95.7	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	92.7	90.4	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	95.7	104	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	96.5	97.6	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	99.3	111	P/P	60 - 160
Perfluorononanoic acid (PFNA)	69.2	84.8	P/P	60 - 160
Perfluorononanoic acid (PFNA)	72.8	69.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	75.2	90.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	84.8	88.8	P/P	60 - 160
Perfluorononanoic acid (PFNA)	87.5	89.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	90.2	87.5	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	103	113	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	104	108	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	108	124	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	114	104	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	114	140	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	140	103	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	97.9	107	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	107	136	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	61.7	79.7	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	62.1	76.3	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	62.3	61.7	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	76.3	107	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	79.7	67.3	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	101	115	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	115	119	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	119	128	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	86.9	96.9	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	96.7	98.6	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	96.9	96.7	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	104	80.0	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	108	120	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	120	146	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	69.2	104	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	83.1	69.2	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	88.1	108	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	102	124	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	124	126	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	126	127	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	145	150	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	150	126	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	81.9	118	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	103	123	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	108	130	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	119	109	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98826

Included Lab Sample IDs: 2169931, 2169932, 2169933, 2169934, 2169935, 2169936, 2169937, 2169938, 2169951, 2169952, 2169953, 2169954, 2169955, 2169956, 2169957, 2169958, 2169959, 2169960, 2169961, 2169962, 2169975, 2169976, 2169977, 2169978, 2169979, 2169980, 2169981, 2169982, 2169983, 2169984, 2169985, 2169986, 2169999, 2170000, 2170001, 2170002, 2170003, 2170004, 2170005, 2170006

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorotridecanoic acid (PFTriA)	121	103	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	130	119	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	78.5	121	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	101	115	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	106	132	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	115	117	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	117	112	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	132	126	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	95.6	106	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A98829

Included Lab Sample IDs: 2169857, 2170007, 2170008, 2170009, 2170010, 2170023, 2170024, 2170025, 2170026, 2170027, 2170028, 2170029, 2170030, 2170031, 2170032, 2170033, 2170034, 2170047, 2170048, 2170049, 2170050

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	100	92.3	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	107	94.4	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	92.3	110	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	94.4	100	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	80.1	93.8	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	89.2	94.4	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	93.8	107	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	94.4	80.1	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	100	98.0	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	126	100	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	138	126	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	98.0	112	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	71.8	76.4	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	75.4	71.8	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	76.4	92.8	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	89.5	75.4	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	69.0	69.7	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	69.7	73.3	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	73.3	83.6	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	85.4	69.0	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	72.4	81.3	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	81.3	81.3	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	81.3	93.2	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	85.9	72.4	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	101	119	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	106	97.1	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	117	106	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	97.1	101	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	62.0	74.1	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	64.0	62.0	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	76.5	64.0	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	79.4	76.5	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	110	85.7	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	122	110	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98829

Included Lab Sample IDs: 2169857, 2170007, 2170008, 2170009, 2170010, 2170023, 2170024, 2170025, 2170026, 2170027, 2170028, 2170029, 2170030, 2170031, 2170032, 2170033, 2170034, 2170047, 2170048, 2170049, 2170050

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorodecanoic acid (PFDA)	85.7	92.0	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	92.0	127	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	105	90.2	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	90.2	99.3	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	91.0	105	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	92.5	91.0	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	109	115	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	115	116	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	119	109	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	122	119	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	102	116	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	116	81.1	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	81.1	91.3	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	91.3	105	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	105	97.9	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	83.9	90.3	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	90.3	103	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	97.9	83.9	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	103	78.3	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	78.3	81.1	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	81.1	84.1	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	84.1	97.3	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	75.1	75.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	75.8	89.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	84.9	75.1	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	95.1	84.9	P/P	60 - 160
Perfluorononanoic acid (PFNA)	64.7	75.9	P/P	60 - 160
Perfluorononanoic acid (PFNA)	67.7	64.7	P/P	60 - 160
Perfluorononanoic acid (PFNA)	86.3	92.6	P/P	60 - 160
Perfluorononanoic acid (PFNA)	92.6	67.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	126	111	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	73.8	92.0	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	73.9	76.6	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	76.6	90.4	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	87.3	73.9	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	92.0	74.1	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	96.4	87.3	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	101	85.0	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	79.6	112	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	84.7	101	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	85.0	79.6	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	111	112	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	112	128	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	112	112	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	129	111	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	115	97.6	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	84.6	103	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	89.9	84.6	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	97.6	89.9	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	60.3	62.1	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98829

Included Lab Sample IDs: 2169857, 2170007, 2170008, 2170009, 2170010, 2170023, 2170024, 2170025, 2170026, 2170027, 2170028, 2170029, 2170030, 2170031, 2170032, 2170033, 2170034, 2170047, 2170048, 2170049, 2170050

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorotetradecanoic acid (PFTeA)	62.1	88.3	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	72.4	60.3	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	84.3	72.4	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	70.1	82.5	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	70.6	83.1	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	81.6	70.1	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	82.5	70.6	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	60.4	75.1	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	61.7	60.4	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	86.6	61.7	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	97.1	86.6	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A98831

Included Lab Sample IDs: 2169887, 2169888, 2169889, 2169890, 2169903, 2169904, 2169905, 2169906, 2169907, 2169908, 2169909, 2169910, 2169911, 2169912, 2169913, 2169914, 2169927, 2169928, 2169929, 2169930

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	110	92.7	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	111	99.1	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	95.1	111	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	99.1	110	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	84.2	90.0	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	90.0	86.8	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	91.6	84.2	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	92.6	91.6	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	63.5	67.3	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	67.3	63.8	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	77.5	90.3	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	90.3	63.5	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	118	140	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	140	95.7	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	75.3	94.2	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	93.0	118	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	95.7	93.0	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	114	125	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	121	114	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	122	126	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	125	122	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	133	144	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	140	156	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	144	123	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	156	133	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	88.8	98.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	89.3	97.6	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	97.6	88.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	98.8	82.2	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	101	122	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	113	123	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	122	96.7	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98831

Included Lab Sample IDs: 2169887, 2169888, 2169889, 2169890, 2169903, 2169904, 2169905, 2169906, 2169907, 2169908, 2169909, 2169910, 2169911, 2169912, 2169913, 2169914, 2169927, 2169928, 2169929, 2169930

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorodecanesulfonic acid (PFDS)	123	101	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	60.7	62.2	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	62.2	83.0	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	75.2	86.7	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	86.7	60.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	109	145	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	145	116	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	147	159	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	159	109	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	114	121	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	115	114	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	117	115	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	121	112	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	101	100	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	122	122	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	122	97.1	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	97.1	101	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	98.8	98.9	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	129	142	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	129	143	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	142	122	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	143	129	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	102	84.0	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	105	130	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	112	102	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	130	112	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	71.2	63.9	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	103	119	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	104	119	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	119	103	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	119	103	P/P	60 - 160
Perfluorononanoic acid (PFNA)	115	77.6	P/P	60 - 160
Perfluorononanoic acid (PFNA)	60.3	62.0	P/P	60 - 160
Perfluorononanoic acid (PFNA)	70.2	72.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	77.6	70.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	86.8	115	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	128	108	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	135	146	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	136	157	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	140	128	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	146	125	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	157	135	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	91.4	140	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	60.4	73.1	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	62.9	71.0	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	65.9	62.9	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	70.6	77.3	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	77.3	65.9	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	87.5	99.4	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	92.9	94.0	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98831

Included Lab Sample IDs: 2169887, 2169888, 2169889, 2169890, 2169903, 2169904, 2169905, 2169906, 2169907, 2169908, 2169909, 2169910, 2169911, 2169912, 2169913, 2169914, 2169927, 2169928, 2169929, 2169930

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoropentanesulfonic acid (PFPeS)	94.0	89.9	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	99.4	92.9	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	109	80.7	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	80.7	81.3	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	81.3	78.0	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	83.7	109	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	60.5	79.2	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	67.1	93.0	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	67.5	60.5	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	93.0	67.5	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	108	77.2	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	70.0	92.6	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	77.2	70.0	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	77.9	108	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	112	89.5	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	132	112	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	89.5	96.1	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	96.1	96.9	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A98854

Included Lab Sample IDs: 2170127, 2170128, 2170129, 2170130, 2170143, 2170144, 2170145, 2170146, 2170147, 2170148, 2170149, 2170150, 2170151, 2170152, 2170153, 2170154, 2170167, 2170168, 2170169, 2170170

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	104	98.4	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	124	83.9	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	79.9	92.3	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	98.4	124	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	108	109	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	109	98.0	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	119	111	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	128	108	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	130	119	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	102	106	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	82.0	102	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	99.0	82.0	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	63.1	68.3	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	66.2	87.9	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	87.9	95.6	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	95.6	154	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	116	121	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	121	143	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	127	116	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	70.1	67.1	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	109	110	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	110	125	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	125	118	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	65.7	67.4	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	107	111	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98854

Included Lab Sample IDs: 2170127, 2170128, 2170129, 2170130, 2170143, 2170144, 2170145, 2170146, 2170147, 2170148, 2170149, 2170150, 2170151, 2170152, 2170153, 2170154, 2170167, 2170168, 2170169, 2170170

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorobutanesulfonic acid (PFBS)	111	136	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	136	135	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	79.2	89.8	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	107	115	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	115	138	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	138	117	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	84.1	91.8	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	62.0	89.4	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	88.6	93.1	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	89.4	95.4	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	95.4	78.8	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	65.2	93.5	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	71.4	71.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	93.5	95.5	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	95.5	134	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	108	104	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	60.5	72.4	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	82.3	108	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	84.5	82.3	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	105	131	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	131	134	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	71.3	89.2	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	81.7	105	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	89.0	121	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	106	106	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	106	115	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	115	115	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	82.0	82.2	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	68.3	70.3	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	70.3	84.5	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	71.3	85.3	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	71.5	73.6	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	84.5	80.1	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	109	119	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	115	125	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	125	150	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	150	150	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	66.4	72.7	P/P	60 - 160
Perfluorononanoic acid (PFNA)	60.6	85.9	P/P	60 - 160
Perfluorononanoic acid (PFNA)	72.2	74.7	P/P	60 - 160
Perfluorononanoic acid (PFNA)	85.9	90.0	P/P	60 - 160
Perfluorononanoic acid (PFNA)	90.0	101	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	112	134	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	134	120	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	68.8	75.3	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	98.4	112	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	69.1	90.2	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	74.5	75.3	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	75.3	97.6	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	97.6	136	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98854

Included Lab Sample IDs: 2170127, 2170128, 2170129, 2170130, 2170143, 2170144, 2170145, 2170146, 2170147, 2170148, 2170149, 2170150, 2170151, 2170152, 2170153, 2170154, 2170167, 2170168, 2170169, 2170170

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoropentanesulfonic acid (PFPeS)	104	133	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	133	126	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	89.3	104	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	99.8	104	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	109	89.2	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	127	112	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	89.2	123	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	90.9	109	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	95.3	96.7	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	96.7	122	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	97.9	95.3	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	66.2	94.2	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	80.3	75.0	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	80.9	133	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	94.2	80.9	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	76.1	70.2	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	79.2	126	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	86.5	86.9	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	86.5	90.5	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	86.9	79.2	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A98855

Included Lab Sample IDs: 2170171, 2170172, 2170173, 2170174, 2170175, 2170176, 2170177, 2170178, 2170191, 2170192, 2170193, 2170194, 2170195, 2170196, 2170197, 2170198, 2170199, 2170215, 2170216, 2170217, 2170218, 2170219, 2170220, 2170221, 2170222, 2170223, 2170224, 2170225, 2170226, 2170239, 2170240, 2170241, 2170242, 2170243, 2170244, 2170245, 2170246, 2170291, 2170292, 2170293

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	103	88.7	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	149	98.6	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	153	88.9	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	80.0	149	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	88.9	107	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	98.6	98.6	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	115	98.3	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	122	99.2	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	63.6	75.3	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	83.2	122	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	98.3	63.6	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	99.2	94.8	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	104	83.2	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	117	84.1	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	153	87.7	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	66.4	63.2	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	78.8	117	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	84.1	83.9	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	87.7	112	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	154	85.8	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	60.5	88.3	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	77.5	76.4	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	85.8	80.4	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98855

Included Lab Sample IDs: 2170171, 2170172, 2170173, 2170174, 2170175, 2170176, 2170177, 2170178, 2170191, 2170192, 2170193, 2170194, 2170195, 2170196, 2170197, 2170198, 2170199, 2170215, 2170216, 2170217, 2170218, 2170219, 2170220, 2170221, 2170222, 2170223, 2170224, 2170225, 2170226, 2170239, 2170240, 2170241, 2170242, 2170243, 2170244, 2170245, 2170246, 2170291, 2170292, 2170293

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Hexafluoropropylene oxide dimer acid	88.3	77.5	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	92.0	88.1	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	102	60.5	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	114	102	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	117	78.4	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	60.5	66.7	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	61.6	117	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	78.4	65.6	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	110	99.4	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	147	99.9	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	64.8	64.1	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	78.2	147	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	99.4	64.8	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	99.9	92.7	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	105	92.1	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	109	98.1	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	139	105	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	63.7	67.2	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	75.6	139	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	98.1	63.7	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	103	97.3	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	117	98.1	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	64.5	64.9	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	75.3	117	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	97.3	64.5	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	98.1	95.3	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	125	102	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	143	125	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	61.8	143	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	65.1	64.6	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	98.1	65.1	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	99.3	98.1	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	108	97.1	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	124	135	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	135	69.2	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	63.0	108	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	69.2	61.0	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	97.1	86.0	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	103	98.3	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	103	92.0	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	129	103	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	65.3	64.3	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	72.2	129	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	98.3	65.3	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	116	89.3	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	151	116	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	61.3	70.5	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	85.1	61.3	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	91.9	151	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98855

Included Lab Sample IDs: 2170171, 2170172, 2170173, 2170174, 2170175, 2170176, 2170177, 2170178, 2170191, 2170192, 2170193, 2170194, 2170195, 2170196, 2170197, 2170198, 2170199, 2170215, 2170216, 2170217, 2170218, 2170219, 2170220, 2170221, 2170222, 2170223, 2170224, 2170225, 2170226, 2170239, 2170240, 2170241, 2170242, 2170243, 2170244, 2170245, 2170246, 2170291, 2170292, 2170293

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoroheptanoic acid (PFHpA)	97.3	85.1	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	102	65.7	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	108	102	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	134	93.1	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	65.7	64.1	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	74.1	134	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	93.1	101	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	103	60.6	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	113	121	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	115	83.8	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	60.6	80.4	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	78.6	115	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	83.8	96.9	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	103	87.7	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	109	95.0	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	133	103	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	66.8	68.3	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	78.0	133	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	95.0	66.8	P/P	60 - 160
Perfluorononanoic acid (PFNA)	126	86.4	P/P	60 - 160
Perfluorononanoic acid (PFNA)	138	63.1	P/P	60 - 160
Perfluorononanoic acid (PFNA)	141	138	P/P	60 - 160
Perfluorononanoic acid (PFNA)	63.1	87.5	P/P	60 - 160
Perfluorononanoic acid (PFNA)	86.4	89.1	P/P	60 - 160
Perfluorononanoic acid (PFNA)	89.0	126	P/P	60 - 160
Perfluorononanoic acid (PFNA)	91.6	98.2	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	102	90.9	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	128	94.1	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	63.5	65.6	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	74.7	128	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	90.9	63.5	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	94.1	87.8	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	101	105	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	105	89.3	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	71.4	69.9	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	78.5	71.4	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	78.5	78.5	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	91.1	101	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	111	96.3	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	123	99.2	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	70.7	72.6	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	76.9	123	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	96.3	70.7	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	99.2	93.3	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	126	94.4	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	61.9	82.9	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	67.2	66.2	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	67.3	76.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	70.1	68.9	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98855

Included Lab Sample IDs: 2170171, 2170172, 2170173, 2170174, 2170175, 2170176, 2170177, 2170178, 2170191, 2170192, 2170193, 2170194, 2170195, 2170196, 2170197, 2170198, 2170199, 2170215, 2170216, 2170217, 2170218, 2170219, 2170220, 2170221, 2170222, 2170223, 2170224, 2170225, 2170226, 2170239, 2170240, 2170241, 2170242, 2170243, 2170244, 2170245, 2170246, 2170291, 2170292, 2170293

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoropentanoic acid (PFPeA)	82.9	67.2	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	94.4	67.3	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	101	62.2	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	109	90.4	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	114	109	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	125	101	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	62.2	67.2	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	77.5	114	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	102	92.5	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	106	95.3	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	64.7	69.4	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	82.0	102	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	92.5	89.8	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	95.3	64.7	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	117	65.9	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	127	83.7	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	64.3	127	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	65.9	61.2	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	83.7	90.1	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	98.8	117	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A98868

Included Lab Sample IDs: 2170051, 2170052, 2170053, 2170054, 2170055, 2170056, 2170057, 2170058, 2170071, 2170072, 2170073, 2170074, 2170075, 2170076, 2170077, 2170078, 2170079, 2170080, 2170081, 2170082

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	100	71.7	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	126	100	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	71.7	118	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	65.6	61.6	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	111	83.7	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	83.7	94.5	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	94.5	141	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	103	68.0	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	112	103	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	79.3	87.2	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	84.8	79.3	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	87.2	112	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	71.1	70.4	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	130	62.4	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	133	83.0	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	62.4	133	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	65.1	81.0	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	77.1	95.2	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	93.1	77.1	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	95.2	89.9	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	96.1	88.8	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	78.2	92.7	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	92.7	86.2	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98868

Included Lab Sample IDs: 2170051, 2170052, 2170053, 2170054, 2170055, 2170056, 2170057, 2170058, 2170071, 2170072, 2170073, 2170074, 2170075, 2170076, 2170077, 2170078, 2170079, 2170080, 2170081, 2170082

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
N-Me perfluorooctanesulfonamidoAc acid	94.1	78.2	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	92.0	86.7	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	124	60.4	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	60.4	93.4	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	93.4	70.5	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	70.8	124	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	65.4	88.8	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	83.4	65.4	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	88.8	101	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	92.7	81.5	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	64.0	83.9	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	83.9	65.4	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	88.6	64.0	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	72.2	105	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	68.1	83.0	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	68.2	68.1	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	83.0	94.9	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	96.2	81.8	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	107	64.7	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	114	72.7	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	64.7	114	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	73.2	109	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	123	64.8	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	130	72.0	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	72.0	123	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	61.6	119	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	105	89.9	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	66.3	105	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	100	66.3	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	76.1	88.4	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	101	103	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	104	101	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	135	104	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	63.0	73.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	64.8	76.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	76.8	71.0	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	78.7	64.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	90.8	93.7	P/P	60 - 160
Perfluorononanoic acid (PFNA)	137	96.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	141	92.1	P/P	60 - 160
Perfluorononanoic acid (PFNA)	92.1	137	P/P	60 - 160
Perfluorononanoic acid (PFNA)	82.2	100	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	63.8	74.1	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	74.1	77.2	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	79.2	63.8	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	92.9	98.1	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	98.1	78.3	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	85.3	78.1	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	108	62.1	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	124	61.7	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98868

Included Lab Sample IDs: 2170051, 2170052, 2170053, 2170054, 2170055, 2170056, 2170057, 2170058, 2170071, 2170072, 2170073, 2170074, 2170075, 2170076, 2170077, 2170078, 2170079, 2170080, 2170081, 2170082

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorooctanoic acid (PFOA)	62.1	124	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	73.4	79.7	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	127	61.7	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	139	73.6	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	61.7	139	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	69.3	120	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	124	82.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	63.9	124	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	96.4	63.9	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	92.1	101	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	63.8	87.7	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	65.4	63.8	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	87.7	74.8	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	75.3	64.6	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	62.8	73.5	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	71.1	62.8	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	73.5	85.5	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	90.3	70.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	105	75.5	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	75.5	87.6	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	87.6	83.8	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	96.2	90.7	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A98888

Included Lab Sample IDs: 2169932, 2169935, 2169936, 2169938, 2169952, 2169953, 2169954, 2169956, 2169962, 2169975, 2169976, 2170000, 2170001, 2170006

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorohexanesulfonic acid (PFHxS)	119	114	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	108	97.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	110	155	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	122	110	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	130	108	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A98940

Included Lab Sample IDs: 2170095, 2170096, 2170097, 2170098, 2170099, 2170100, 2170101, 2170102, 2170103, 2170104, 2170105, 2170106, 2170119, 2170120, 2170121, 2170122, 2170123, 2170124, 2170125, 2170126

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
4:2 Fluorotelomer sulfonate (4:2 FTS)	113	140	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	125	113	P/P	60 - 160
4:2 Fluorotelomer sulfonate (4:2 FTS)	129	125	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	114	137	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	120	128	P/P	60 - 160
6:2 Fluorotelomer sulfonate (6:2 FTS)	128	114	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	108	132	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	123	91.2	P/P	60 - 160
8:2 Fluorotelomer sulfonate (8:2 FTS)	132	123	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	111	145	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98940

Included Lab Sample IDs: 2170095, 2170096, 2170097, 2170098, 2170099, 2170100, 2170101, 2170102, 2170103, 2170104, 2170105, 2170106, 2170119, 2170120, 2170121, 2170122, 2170123, 2170124, 2170125, 2170126

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Hexafluoropropylene oxide dimer acid	145	157	P/P	60 - 160
Hexafluoropropylene oxide dimer acid	157	80.6	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	139	158	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	141	127	P/P	60 - 160
N-Et perfluorooctanesulfonamidoAc acid	158	141	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	124	146	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	128	109	P/P	60 - 160
N-Me perfluorooctanesulfonamidoAc acid	146	128	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	146	103	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	149	158	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	158	146	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	139	108	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	146	148	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	148	139	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	86.9	92.5	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	88.5	86.9	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	92.5	68.6	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	72.4	90.8	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	90.8	97.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	97.7	62.6	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	115	136	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	124	82.8	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	136	124	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	122	135	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	135	68.5	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	94.4	122	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	122	134	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	126	105	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	134	126	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	68.3	78.7	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	76.8	81.6	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	78.7	76.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	106	124	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	115	74.9	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	124	115	P/P	60 - 160
Perfluorononanoic acid (PFNA)	103	88.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	85.9	103	P/P	60 - 160
Perfluorononanoic acid (PFNA)	88.2	75.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	143	104	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	145	155	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	155	143	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	104	116	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	116	75.2	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	72.2	104	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	144	105	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	153	157	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	157	144	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	120	88.1	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	132	120	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	98.3	132	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A98940

Included Lab Sample IDs: 2170095, 2170096, 2170097, 2170098, 2170099, 2170100, 2170101, 2170102, 2170103, 2170104, 2170105, 2170106, 2170119, 2170120, 2170121, 2170122, 2170123, 2170124, 2170125, 2170126

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorotetradecanoic acid (PFTeA)	109	103	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	139	109	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	89.4	139	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	89.5	89.2	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	93.2	98.0	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	98.0	89.5	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	65.4	98.7	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	91.1	101	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	98.7	91.1	P/P	60 - 160

* Pass/Fail determinations are made for each bracketing calibration verification check.

Control limits for initial calibration checks may be different from those for continuing checks, depending on method requirements.

Where they are different, both control limits are provided.

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision	MS
							SMP	
EPA 8321B	4:2 Fluorotelomer sulfonate (4:2 FTS)	75.3	79.1			4.89		
	4:2 Fluorotelomer sulfonate (4:2 FTS)	133		130	146			11.4
	4:2 Fluorotelomer sulfonate (4:2 FTS)	157		145	157			8.07
	4:2 Fluorotelomer sulfonate (4:2 FTS)	103		69.6	68.4			1.69
	4:2 Fluorotelomer sulfonate (4:2 FTS)	66.3		131	122			7.22
	4:2 Fluorotelomer sulfonate (4:2 FTS)	151		126	129			2.53
	4:2 Fluorotelomer sulfonate (4:2 FTS)	96.3		133	116			13.4
	4:2 Fluorotelomer sulfonate (4:2 FTS)	108		118	127			7.80
	4:2 Fluorotelomer sulfonate (4:2 FTS)	139		120	128			6.69
	4:2 Fluorotelomer sulfonate (4:2 FTS)	149		142	135			5.12
	4:2 Fluorotelomer sulfonate (4:2 FTS)	112		122	91.1			29.4
	4:2 Fluorotelomer sulfonate (4:2 FTS)	145		228	220			3.76
	6:2 Fluorotelomer sulfonate (6:2 FTS)	124	150			19.4		
	6:2 Fluorotelomer sulfonate (6:2 FTS)	89.0		107	85.4			22.4
	6:2 Fluorotelomer sulfonate (6:2 FTS)	112		114	118			3.57
	6:2 Fluorotelomer sulfonate (6:2 FTS)	99.8		105	113			7.71
	6:2 Fluorotelomer sulfonate (6:2 FTS)	80.7		121	137			12.3
	6:2 Fluorotelomer sulfonate (6:2 FTS)	113		109	96.7			11.5
	6:2 Fluorotelomer sulfonate (6:2 FTS)	94.2		81.6	97.5			17.8
	6:2 Fluorotelomer sulfonate (6:2 FTS)	146		146	143			1.66
	6:2 Fluorotelomer sulfonate (6:2 FTS)	159		141	144			2.15
	6:2 Fluorotelomer sulfonate (6:2 FTS)	144		140	148			4.93
	6:2 Fluorotelomer sulfonate (6:2 FTS)	111		120	106			12.4
	6:2 Fluorotelomer sulfonate (6:2 FTS)	117		148	136			8.83
	8:2 Fluorotelomer sulfonate (8:2 FTS)	92.9	105			12.6		
	8:2 Fluorotelomer sulfonate (8:2 FTS)	156		160	147			8.20
	8:2 Fluorotelomer sulfonate (8:2 FTS)	65.0		93.2	98.8			5.78
	8:2 Fluorotelomer sulfonate (8:2 FTS)	137		106	108			2.44
	8:2 Fluorotelomer sulfonate (8:2 FTS)	66.2		112	103			8.40
	8:2 Fluorotelomer sulfonate (8:2 FTS)	152		148	145			2.24

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		Precision SMP	MS
		LCS	MS	LCS	MS		
EPA 8321B	8:2 Fluorotelomer sulfonate (8:2 FTS)	84.0		79.2	97.9		18.5
	8:2 Fluorotelomer sulfonate (8:2 FTS)	135		130	128		1.40
	8:2 Fluorotelomer sulfonate (8:2 FTS)	142		131	140		6.55
	8:2 Fluorotelomer sulfonate (8:2 FTS)	137		129	148		13.7
	8:2 Fluorotelomer sulfonate (8:2 FTS)	124		135	109		21.2
	8:2 Fluorotelomer sulfonate (8:2 FTS)	149		107	123		14.1
	Hexafluoropropylene oxide dimer acid	89.6	83.2			7.44	
	Hexafluoropropylene oxide dimer acid	95.3		91.6	101		9.56
	Hexafluoropropylene oxide dimer acid	86.1		103	107		3.73
	Hexafluoropropylene oxide dimer acid	148		83.9	114		30.4
	Hexafluoropropylene oxide dimer acid	123		81.9	71.7		13.2
	Hexafluoropropylene oxide dimer acid	111		103	127		20.7
	Hexafluoropropylene oxide dimer acid	103		85.3	73.1		15.4
	Hexafluoropropylene oxide dimer acid	97.4		127	144		12.6
	Hexafluoropropylene oxide dimer acid	116		105	130		20.7
	Hexafluoropropylene oxide dimer acid	116		96.4	111		14.0
	Hexafluoropropylene oxide dimer acid	98.4		120	93.8		24.6
	Hexafluoropropylene oxide dimer acid	90.1		97.4	122		22.0
	N-Et perfluorooctanesulfonamidoAc acid	131	142			8.34	
	N-Et perfluorooctanesulfonamidoAc acid	72.5		51.1	46.2		10.1
	N-Et perfluorooctanesulfonamidoAc acid	148		71.1	65.8		7.75
	N-Et perfluorooctanesulfonamidoAc acid	157		72.0	72.1		0.101
	N-Et perfluorooctanesulfonamidoAc acid	118		64.0	59.1		7.95
	N-Et perfluorooctanesulfonamidoAc acid	97.0		56.3	54.6		3.10
	N-Et perfluorooctanesulfonamidoAc acid	79.5		36.7	42.4		14.4
	N-Et perfluorooctanesulfonamidoAc acid	149		140	150		6.83
	N-Et perfluorooctanesulfonamidoAc acid	156		80.1	82.1		2.46
	N-Et perfluorooctanesulfonamidoAc acid	143		91.1	88.4		2.94
	N-Et perfluorooctanesulfonamidoAc acid	88.8		23.4	16.6		34.0
	N-Et perfluorooctanesulfonamidoAc acid	96.6		67.8	75.6		9.64

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision	MS
							SMP	
EPA 8321B	N-Me perfluorooctanesulfonamidoAc acid	150	146			2.25		
	N-Me perfluorooctanesulfonamidoAc acid	73.0		43.3	40.2			7.51
	N-Me perfluorooctanesulfonamidoAc acid	183		77.5	67.0			14.5
	N-Me perfluorooctanesulfonamidoAc acid	152		92.6	105			12.2
	N-Me perfluorooctanesulfonamidoAc acid	116		86.0	83.0			3.53
	N-Me perfluorooctanesulfonamidoAc acid	106		41.4	46.2			10.9
	N-Me perfluorooctanesulfonamidoAc acid	82.3		39.3	45.7			14.8
	N-Me perfluorooctanesulfonamidoAc acid	131		113	107			5.64
	N-Me perfluorooctanesulfonamidoAc acid	139		67.2	69.8			3.78
	N-Me perfluorooctanesulfonamidoAc acid	147		81.5	85.1			4.29
	N-Me perfluorooctanesulfonamidoAc acid	114		27.7	22.7			19.8
	N-Me perfluorooctanesulfonamidoAc acid	105		81.4	87.8			7.54
	Perfluorobutanesulfonic acid (PFBS)	122	152			22.2		
	Perfluorobutanesulfonic acid (PFBS)	106		122	97.4			22.0
	Perfluorobutanesulfonic acid (PFBS)	130		133	148			10.2
	Perfluorobutanesulfonic acid (PFBS)	108		117	109			5.95
	Perfluorobutanesulfonic acid (PFBS)	74.0		118	121			2.61
	Perfluorobutanesulfonic acid (PFBS)	130		117	124			5.73
	Perfluorobutanesulfonic acid (PFBS)	110		88.5	84.8			4.31
	Perfluorobutanesulfonic acid (PFBS)	139		158	142			10.3
	Perfluorobutanesulfonic acid (PFBS)	141		131	156			17.4
	Perfluorobutanesulfonic acid (PFBS)	145		116	126			7.60
	Perfluorobutanesulfonic acid (PFBS)	120		134	111			18.9
	Perfluorobutanesulfonic acid (PFBS)	154		107	111			2.34
	Perfluorodecanesulfonic acid (PFDS)	130	151			14.7		
	Perfluorodecanesulfonic acid (PFDS)	77.1		88.2	84.5			4.32
	Perfluorodecanesulfonic acid (PFDS)	144		135	138			2.60
	Perfluorodecanesulfonic acid (PFDS)	124		124	120			3.23
	Perfluorodecanesulfonic acid (PFDS)	107		108	89.8			18.8
	Perfluorodecanesulfonic acid (PFDS)	92.6		91.2	96.5			5.68

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		Precision SMP	MS
		LCS	MS	LCS	MS		
EPA 8321B	Perfluorodecanesulfonic acid (PFDS)	71.4		72.6	86.3		15.6
	Perfluorodecanesulfonic acid (PFDS)	146		150	147		1.31
	Perfluorodecanesulfonic acid (PFDS)	141		136	155		13.0
	Perfluorodecanesulfonic acid (PFDS)	143		123	130		6.12
	Perfluorodecanesulfonic acid (PFDS)	110		120	98.4		20.1
	Perfluorodecanesulfonic acid (PFDS)	100		68.5	70.4		2.73
	Perfluorodecanoic acid (PFDA)	76.5	62.4			20.3	
	Perfluorodecanoic acid (PFDA)	98.2		96.1	90.4		6.07
	Perfluorodecanoic acid (PFDA)	68.3		78.4	79.0		0.722
	Perfluorodecanoic acid (PFDA)	97.8		84.5	74.9		12.1
	Perfluorodecanoic acid (PFDA)	97.1		102	90.0		11.4
	Perfluorodecanoic acid (PFDA)	153		125	135		7.53
	Perfluorodecanoic acid (PFDA)	61.7		67.7	98.3		30.4
	Perfluorodecanoic acid (PFDA)	119		132	138		3.35
	Perfluorodecanoic acid (PFDA)	96.3		99.6	78.0		19.8
	Perfluorodecanoic acid (PFDA)	147		134	144		6.65
	Perfluorodecanoic acid (PFDA)	116		128	111		14.8
	Perfluorodecanoic acid (PFDA)	132		107	99.5		7.36
	Perfluorododecanoic acid (PFDoA)	90.6	85.4			5.84	
	Perfluorododecanoic acid (PFDoA)	73.4		82.2	80.4		2.25
	Perfluorododecanoic acid (PFDoA)	112		159	128		21.7
	Perfluorododecanoic acid (PFDoA)	131		92.1	101		9.07
	Perfluorododecanoic acid (PFDoA)	141		99.9	92.5		7.70
	Perfluorododecanoic acid (PFDoA)	111		127	120		5.05
	Perfluorododecanoic acid (PFDoA)	77.3		72.6	78.8		8.27
	Perfluorododecanoic acid (PFDoA)	105		109	126		8.86
	Perfluorododecanoic acid (PFDoA)	95.1		85.6	115		26.9
	Perfluorododecanoic acid (PFDoA)	145		135	148		8.87
	Perfluorododecanoic acid (PFDoA)	119		120	110		8.79
	Perfluorododecanoic acid (PFDoA)	76.8		78.2	76.0		2.78
	Perfluoroheptanesulfonic acid (PFHpS)	126	134			5.76	
	Perfluoroheptanesulfonic acid (PFHpS)	84.8		91.3	87.0		4.77
	Perfluoroheptanesulfonic acid (PFHpS)	153		120	128		7.18
Perfluoroheptanesulfonic acid (PFHpS)	131					3.89	
Perfluoroheptanesulfonic acid (PFHpS)	115		85.4	63.1		17.0	
Perfluoroheptanesulfonic acid (PFHpS)	131		103	110		4.73	
Perfluoroheptanesulfonic acid (PFHpS)	87.9		85.3	97.7		11.8	
Perfluoroheptanesulfonic acid (PFHpS)	116		123	121		1.63	
Perfluoroheptanesulfonic acid (PFHpS)	115		104	126		18.6	
Perfluoroheptanesulfonic acid (PFHpS)	149		123	149		18.9	
Perfluoroheptanesulfonic acid (PFHpS)	116		127	99.8		24.1	

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision SMP	MS
EPA 8321B	Perfluoroheptanesulfonic acid (PFHpS)	140		86.0	116			28.0
	Perfluoroheptanoic acid (PFHpA)	73.0	80.0			9.17		
	Perfluoroheptanoic acid (PFHpA)	105		94.5	79.9			16.8
	Perfluoroheptanoic acid (PFHpA)	95.3		119	108			10.1
	Perfluoroheptanoic acid (PFHpA)	109		53.0	71.5			18.3
	Perfluoroheptanoic acid (PFHpA)	94.0		73.4	63.2			8.43
	Perfluoroheptanoic acid (PFHpA)	123		121	119			1.47
	Perfluoroheptanoic acid (PFHpA)	89.8		127	114			10.6
	Perfluoroheptanoic acid (PFHpA)	109		147	131			9.25
	Perfluoroheptanoic acid (PFHpA)	114		97.6	146			28.1
	Perfluoroheptanoic acid (PFHpA)	132		118	142			18.1
	Perfluoroheptanoic acid (PFHpA)	104		125	104			18.8
	Perfluoroheptanoic acid (PFHpA)	145		84.5	116			27.9
	Perfluorohexanesulfonic acid (PFHxS)	110	145			28.2		
	Perfluorohexanesulfonic acid (PFHxS)	97.7		111	101			9.37
	Perfluorohexanesulfonic acid (PFHxS)	129		128	152			17.1
	Perfluorohexanesulfonic acid (PFHxS)	134						12.8
	Perfluorohexanesulfonic acid (PFHxS)	97.2						2.14
	Perfluorohexanesulfonic acid (PFHxS)	117						2.62
	Perfluorohexanesulfonic acid (PFHxS)	78.5		89.3	110			12.5
	Perfluorohexanesulfonic acid (PFHxS)	145		114	117			2.22
	Perfluorohexanesulfonic acid (PFHxS)	139		119	132			9.55
	Perfluorohexanesulfonic acid (PFHxS)	138		130	144			10.1
	Perfluorohexanesulfonic acid (PFHxS)	113		134	115			15.3
	Perfluorohexanesulfonic acid (PFHxS)	124		131	127			1.91
	Perfluorohexanoic acid (PFHxA)	99.8	82.9			18.5		
	Perfluorohexanoic acid (PFHxA)	63.4		50.4	50.2			0.264
	Perfluorohexanoic acid (PFHxA)	73.4		116	135			15.0
	Perfluorohexanoic acid (PFHxA)	134		147	104			23.4
	Perfluorohexanoic acid (PFHxA)	145		52.3	66.8			15.3
	Perfluorohexanoic acid (PFHxA)	128		124	107			12.8
	Perfluorohexanoic acid (PFHxA)	122		139	128			8.04
	Perfluorohexanoic acid (PFHxA)	94.8		97.6	114			15.8
	Perfluorohexanoic acid (PFHxA)	100		64.3	91.7			26.9
	Perfluorohexanoic acid (PFHxA)	59.7		46.4	44.1			5.08
	Perfluorohexanoic acid (PFHxA)	109		127	111			13.6
Perfluorohexanoic acid (PFHxA)	131		111	135			19.4	
Perfluorononanesulfonic acid (PFNS)	105	138			27.3			
Perfluorononanesulfonic acid (PFNS)	154		156	148			4.91	
Perfluorononanesulfonic acid (PFNS)	153		137	157			14.2	
Perfluorononanesulfonic acid (PFNS)	118		110	114			2.27	

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		Precision SMP	MS
		LCS	MS	LCS	MS		
EPA 8321B	Perfluorononanesulfonic acid (PFNS)	84.7		103	113		7.32
	Perfluorononanesulfonic acid (PFNS)	109		104	115		10.3
	Perfluorononanesulfonic acid (PFNS)	66.4					5.75
	Perfluorononanesulfonic acid (PFNS)	119		116	114		1.42
	Perfluorononanesulfonic acid (PFNS)	152		175	182		3.43
	Perfluorononanesulfonic acid (PFNS)	135		131	139		5.82
	Perfluorononanesulfonic acid (PFNS)	115		123	97.5		23.0
	Perfluorononanesulfonic acid (PFNS)	98.8		72.7	74.0		1.82
	Perfluorononanoic acid (PFNA)	113	120			6.66	
	Perfluorononanoic acid (PFNA)	121		150	120		22.5
	Perfluorononanoic acid (PFNA)	86.8		129	129		0.0610
	Perfluorononanoic acid (PFNA)	111		71.9	105		24.4
	Perfluorononanoic acid (PFNA)	94.7		72.3	105		29.2
	Perfluorononanoic acid (PFNA)	94.6		91.9	93.0		0.850
	Perfluorononanoic acid (PFNA)	98.9		111	136		18.7
	Perfluorononanoic acid (PFNA)	90.7		98.7	113		11.8
	Perfluorononanoic acid (PFNA)	135		100	100		0.0418
	Perfluorononanoic acid (PFNA)	137		133	131		0.903
	Perfluorononanoic acid (PFNA)	127		104	130		22.1
	Perfluorononanoic acid (PFNA)	138		89.8	110		19.9
	Perfluorooctanesulfonic acid (PFOS)	137	147			7.59	
	Perfluorooctanesulfonic acid (PFOS)	85.9		97.6	81.5		7.57
	Perfluorooctanesulfonic acid (PFOS)	153					4.94
	Perfluorooctanesulfonic acid (PFOS)	149					4.28
	Perfluorooctanesulfonic acid (PFOS)	98.9					5.56
	Perfluorooctanesulfonic acid (PFOS)	109					2.39
	Perfluorooctanesulfonic acid (PFOS)	70.7					13.1
	Perfluorooctanesulfonic acid (PFOS)	152					0.0661
	Perfluorooctanesulfonic acid (PFOS)	136					8.30
	Perfluorooctanesulfonic acid (PFOS)	143		105	144		10.1
	Perfluorooctanesulfonic acid (PFOS)	107		126	92.8		26.8
	Perfluorooctanesulfonic acid (PFOS)	94.7		60.3	65.3		2.20
	Perfluorooctanoic acid (PFOA)	90.3	106			15.9	
Perfluorooctanoic acid (PFOA)	101		122	93.4		26.3	
Perfluorooctanoic acid (PFOA)	57.2		77.4	86.4		11.0	
Perfluorooctanoic acid (PFOA)	90.2		71.3	67.9		3.21	
Perfluorooctanoic acid (PFOA)	81.7		80.8	84.8		2.64	
Perfluorooctanoic acid (PFOA)	121		124	121		2.08	

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision	
							SMP	MS
EPA 8321B	Perfluorooctanoic acid (PFOA)	92.4		107	115			6.27
	Perfluorooctanoic acid (PFOA)	78.3		71.3	108			31.9
	Perfluorooctanoic acid (PFOA)	103		78.0	96.3			16.7
	Perfluorooctanoic acid (PFOA)	110		129	136			4.96
	Perfluorooctanoic acid (PFOA)	139		137	119			14.3
	Perfluorooctanoic acid (PFOA)	75.5		73.5	82.4			7.19
	Perfluoropentanesulfonic acid (PFPeS)	119	136			13.4		
	Perfluoropentanesulfonic acid (PFPeS)	89.7		103	85.3			19.1
	Perfluoropentanesulfonic acid (PFPeS)	120		120	138			14.3
	Perfluoropentanesulfonic acid (PFPeS)	107		124	101			11.7
	Perfluoropentanesulfonic acid (PFPeS)	106		96.0	91.4			4.01
	Perfluoropentanesulfonic acid (PFPeS)	154		148	156			5.39
	Perfluoropentanesulfonic acid (PFPeS)	103		104	103			1.16
	Perfluoropentanesulfonic acid (PFPeS)	146		143	143			0.620
	Perfluoropentanesulfonic acid (PFPeS)	136		137	155			12.2
	Perfluoropentanesulfonic acid (PFPeS)	149		131	142			8.49
	Perfluoropentanesulfonic acid (PFPeS)	111		139	107			25.9
	Perfluoropentanesulfonic acid (PFPeS)	153		87.9	106			16.4
	Perfluoropentanoic acid (PFPeA)	80.9	87.0			7.26		
	Perfluoropentanoic acid (PFPeA)	74.8		95.4	80.7			16.8
	Perfluoropentanoic acid (PFPeA)	82.4		85.3	96.5			12.3
	Perfluoropentanoic acid (PFPeA)	122		77.8	108			32.2
	Perfluoropentanoic acid (PFPeA)	116		95.3	156			48.2
	Perfluoropentanoic acid (PFPeA)	137		130	136			4.05
	Perfluoropentanoic acid (PFPeA)	85.0		72.0	79.4			9.85
	Perfluoropentanoic acid (PFPeA)	129		162	173			6.46
	Perfluoropentanoic acid (PFPeA)	106		84.0	105			14.3
	Perfluoropentanoic acid (PFPeA)	142		123	119			3.31
	Perfluoropentanoic acid (PFPeA)	89.1		86.8	92.3			6.14
	Perfluoropentanoic acid (PFPeA)	112		89.7	94.9			4.19
	Perfluorotetradecanoic acid (PFTeA)	72.8	76.5			4.98		
	Perfluorotetradecanoic acid (PFTeA)	135		142	121			15.4
	Perfluorotetradecanoic acid (PFTeA)	60.3		110	97.2			12.3
	Perfluorotetradecanoic acid (PFTeA)	101		88.7	108			19.8
	Perfluorotetradecanoic acid (PFTeA)	128		92.9	103			10.6
	Perfluorotetradecanoic acid (PFTeA)	97.1		96.2	94.8			1.48
	Perfluorotetradecanoic acid (PFTeA)	58.5		62.4	61.4			1.49
	Perfluorotetradecanoic acid (PFTeA)	125		91.9	114			17.2

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		Precision SMP	MS
		LCS	MS	LCS	MS		
EPA 8321B	Perfluorotetradecanoic acid (PFTeA)	108		116	126		8.13
	Perfluorotetradecanoic acid (PFTeA)	141		143	149		4.30
	Perfluorotetradecanoic acid (PFTeA)	129		129	113		13.4
	Perfluorotetradecanoic acid (PFTeA)	63.4		76.1	68.0		11.2
	Perfluorotridecanoic acid (PFTriA)	68.3	63.0			8.08	
	Perfluorotridecanoic acid (PFTriA)	92.2		98.4	91.3		7.46
	Perfluorotridecanoic acid (PFTriA)	67.0		110	92.0		18.2
	Perfluorotridecanoic acid (PFTriA)	148		130	119		8.71
	Perfluorotridecanoic acid (PFTriA)	126		103	131		23.6
	Perfluorotridecanoic acid (PFTriA)	92.6		97.2	88.8		9.05
	Perfluorotridecanoic acid (PFTriA)	57.7		59.0	71.5		19.2
	Perfluorotridecanoic acid (PFTriA)	95.1		52.4	52.7		0.552
	Perfluorotridecanoic acid (PFTriA)	113		86.6	106		19.9
	Perfluorotridecanoic acid (PFTriA)	144		148	148		0.199
	Perfluorotridecanoic acid (PFTriA)	121		104	84.9		19.8
	Perfluorotridecanoic acid (PFTriA)	91.4		54.2	53.6		0.963
	Perfluoroundecanoic acid (PFUnA)	110	132			17.5	
	Perfluoroundecanoic acid (PFUnA)	87.4		94.7	83.1		13.1
	Perfluoroundecanoic acid (PFUnA)	104		134	140		4.33
	Perfluoroundecanoic acid (PFUnA)	155		117	112		4.65
	Perfluoroundecanoic acid (PFUnA)	110		98.1	94.6		3.68
	Perfluoroundecanoic acid (PFUnA)	96.0		106	103		3.19
	Perfluoroundecanoic acid (PFUnA)	92.1		71.3	80.6		12.2
	Perfluoroundecanoic acid (PFUnA)	102		120	146		14.7
	Perfluoroundecanoic acid (PFUnA)	106		122	96.1		21.5
	Perfluoroundecanoic acid (PFUnA)	140		149	142		4.85
Perfluoroundecanoic acid (PFUnA)	119		124	87.3		34.9	
Perfluoroundecanoic acid (PFUnA)	121		81.4	82.1		0.869	

Reference Method Descriptions

Method	Description	<u>Associated Samples</u>
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Reference Method Descriptions

Method	Description	Associated Samples
EPA 8321B	Perfluorinated alkyl substances in sediment/solid matrices by HPLC/MS/MS	2169855, 2169856, 2169857, 2169858, 2169859, 2169860, 2169861, 2169862, 2169863, 2169864, 2169865, 2169866, 2169879, 2169880, 2169881, 2169882, 2169883, 2169884, 2169885, 2169886, 2169887, 2169888, 2169889, 2169890, 2169903, 2169904, 2169905, 2169906, 2169907, 2169908, 2169909, 2169910, 2169911, 2169912, 2169913, 2169914, 2169927, 2169928, 2169929, 2169930, 2169931, 2169932, 2169933, 2169934, 2169935, 2169936, 2169937, 2169938, 2169951, 2169952, 2169953, 2169954, 2169955, 2169956, 2169957, 2169958, 2169959, 2169960, 2169961, 2169962, 2169975, 2169976, 2169977, 2169978, 2169979, 2169980, 2169981, 2169982, 2169983, 2169984, 2169985, 2169986, 2169999, 2170000, 2170001, 2170002, 2170003, 2170004, 2170005, 2170006, 2170007, 2170008, 2170009, 2170010, 2170023, 2170024, 2170025, 2170026, 2170027, 2170028, 2170029, 2170030, 2170031, 2170032, 2170033, 2170034, 2170047, 2170048, 2170049, 2170050, 2170051, 2170052, 2170053, 2170054, 2170055, 2170056, 2170057, 2170058, 2170071, 2170072, 2170073, 2170074, 2170075, 2170076, 2170077, 2170078, 2170079, 2170080, 2170081, 2170082, 2170095, 2170096, 2170097, 2170098, 2170099, 2170100, 2170101, 2170102, 2170103, 2170104, 2170105, 2170106, 2170119, 2170120, 2170121, 2170122, 2170123, 2170124, 2170125, 2170126, 2170127, 2170128, 2170129, 2170130, 2170143, 2170144, 2170145, 2170146, 2170147, 2170148, 2170149, 2170150, 2170151, 2170152, 2170153, 2170154, 2170167, 2170168, 2170169, 2170170, 2170171, 2170172, 2170173, 2170174, 2170175, 2170176, 2170177, 2170178, 2170191, 2170192, 2170193, 2170194, 2170195, 2170196, 2170197, 2170198, 2170199, 2170215, 2170216, 2170217, 2170218, 2170219, 2170220, 2170221, 2170222, 2170223, 2170224, 2170225, 2170226, 2170239, 2170240, 2170241, 2170242, 2170243, 2170244, 2170245, 2170246, 2170291, 2170292, 2170293, 2170247, 2170248, 2170249, 2170250, 2170263, 2170264, 2170265, 2170266, 2170267, 2170268, 2170269, 2170270, 2170271, 2170272, 2170273, 2170274, 2170275, 2170276
EPA 8321B	Perfluorinated alkyl substances in water matrices by HPLC/MS/MS	

Reference Method Descriptions

Method	Description	Associated Samples
SM 2540 G (20th)	Percent solid determination before the other sample preparations.	2169867, 2169868, 2169869, 2169870, 2169871, 2169872, 2169873, 2169874, 2169875, 2169876, 2169877, 2169878, 2169891, 2169892, 2169893, 2169894, 2169895, 2169896, 2169897, 2169898, 2169899, 2169900, 2169901, 2169902, 2169915, 2169916, 2169917, 2169918, 2169919, 2169920, 2169921, 2169922, 2169923, 2169924, 2169925, 2169926, 2169939, 2169940, 2169941, 2169942, 2169943, 2169944, 2169945, 2169946, 2169947, 2169948, 2169949, 2169950, 2169963, 2169964, 2169965, 2169966, 2169967, 2169968, 2169969, 2169970, 2169971, 2169972, 2169973, 2169974, 2169987, 2169988, 2169989, 2169990, 2169991, 2169992, 2169993, 2169994, 2169995, 2169996, 2169997, 2169998, 2170011, 2170012, 2170013, 2170014, 2170015, 2170016, 2170017, 2170018, 2170019, 2170020, 2170021, 2170022, 2170035, 2170036, 2170037, 2170038, 2170039, 2170040, 2170041, 2170042, 2170043, 2170044, 2170045, 2170046, 2170059, 2170060, 2170061, 2170062, 2170063, 2170064, 2170065, 2170066, 2170067, 2170068, 2170069, 2170070, 2170083, 2170084, 2170085, 2170086, 2170087, 2170088, 2170089, 2170090, 2170091, 2170092, 2170093, 2170094, 2170107, 2170108, 2170109, 2170110, 2170111, 2170112, 2170113, 2170114, 2170115, 2170116, 2170117, 2170118, 2170131, 2170132, 2170133, 2170134, 2170135, 2170136, 2170137, 2170138, 2170139, 2170140, 2170141, 2170142, 2170155, 2170156, 2170157, 2170158, 2170159, 2170160, 2170161, 2170162, 2170163, 2170164, 2170165, 2170166, 2170179, 2170180, 2170181, 2170182, 2170183, 2170184, 2170185, 2170186, 2170187, 2170188, 2170189, 2170190, 2170203, 2170204, 2170205, 2170206, 2170207, 2170208, 2170209, 2170210, 2170211, 2170212, 2170213, 2170214, 2170227, 2170228, 2170229, 2170230, 2170231, 2170232, 2170233, 2170234, 2170235, 2170236, 2170237, 2170238, 2170251, 2170252, 2170253, 2170254, 2170255, 2170256, 2170257, 2170258

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8321B	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 06:53	Pramila Ghimire	2170247
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 07:32	Pramila Ghimire	2170249
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 08:31	Pramila Ghimire	2170263
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 08:50	Pramila Ghimire	2170264
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 09:10	Pramila Ghimire	2170265
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 09:30	Pramila Ghimire	2170266
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 09:49	Pramila Ghimire	2170267
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 10:28	Pramila Ghimire	2170268
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 12:32	Pramila Ghimire	2170269
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 13:11	Pramila Ghimire	2170270
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 13:31	Pramila Ghimire	2170271
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 14:35	Pramila Ghimire	2170272
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 14:55	Pramila Ghimire	2170273
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 15:14	Pramila Ghimire	2170274
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 15:34	Pramila Ghimire	2170275
	04/09/2020	04/13/2020 10:00	Hoor Shaik	04/14/2020 15:54	Pramila Ghimire	2170276
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/14/2020 21:47	Pramila Ghimire	2169881
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/14/2020 22:06	Pramila Ghimire	2169855
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/14/2020 22:26	Pramila Ghimire	2169856
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/14/2020 22:45	Pramila Ghimire	2169857
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/14/2020 23:25	Pramila Ghimire	2169858
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/14/2020 23:44	Pramila Ghimire	2169859
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 00:04	Pramila Ghimire	2169860
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 00:24	Pramila Ghimire	2169861
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 00:43	Pramila Ghimire	2169862
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 01:03	Pramila Ghimire	2169863
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 01:22	Pramila Ghimire	2169864
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 01:42	Pramila Ghimire	2169865
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 02:21	Pramila Ghimire	2169866
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 02:41	Pramila Ghimire	2169879
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 03:01	Pramila Ghimire	2169880
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 03:20	Pramila Ghimire	2169882
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 03:40	Pramila Ghimire	2169883
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 03:59	Pramila Ghimire	2169884
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 04:19	Pramila Ghimire	2169885
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 04:39	Pramila Ghimire	2169886
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 16:25	Pramila Ghimire	2169890
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 16:44	Pramila Ghimire	2169887
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 17:04	Pramila Ghimire	2169888
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 17:24	Pramila Ghimire	2169889

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
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	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 18:42	Pramila Ghimire	2169905
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 19:02	Pramila Ghimire	2169906
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 20:40	Pramila Ghimire	2169907
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 20:59	Pramila Ghimire	2169908
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 21:19	Pramila Ghimire	2169909
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 21:38	Pramila Ghimire	2169910
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 21:58	Pramila Ghimire	2169911
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 22:18	Pramila Ghimire	2169912
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 22:57	Pramila Ghimire	2169913
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 23:17	Pramila Ghimire	2169914
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 23:36	Pramila Ghimire	2169927
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/15/2020 23:56	Pramila Ghimire	2169928
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/16/2020 00:15	Pramila Ghimire	2169929
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/16/2020 00:35	Pramila Ghimire	2169930
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/16/2020 13:16	Pramila Ghimire	2169888
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/16/2020 15:59	Pramila Ghimire	2169908
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/16/2020 16:19	Pramila Ghimire	2169909
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/16/2020 17:57	Pramila Ghimire	2169912
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/16/2020 18:56	Pramila Ghimire	2169914
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/16/2020 19:16	Pramila Ghimire	2169927
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/16/2020 20:15	Pramila Ghimire	2169930
	04/09/2020	04/13/2020 14:00	Hoor Shaik	04/20/2020 20:17	Pramila Ghimire	2169857
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 09:04	Pramila Ghimire	2169932
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 09:23	Pramila Ghimire	2169931
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 09:43	Pramila Ghimire	2169933
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 10:02	Pramila Ghimire	2169934
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 10:42	Pramila Ghimire	2169935
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 11:01	Pramila Ghimire	2169936
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 11:21	Pramila Ghimire	2169937
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 11:40	Pramila Ghimire	2169938
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 12:00	Pramila Ghimire	2169951
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 12:20	Pramila Ghimire	2169952
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 12:39	Pramila Ghimire	2169953
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 12:59	Pramila Ghimire	2169954
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 13:38	Pramila Ghimire	2169955
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 13:58	Pramila Ghimire	2169956
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 14:17	Pramila Ghimire	2169957
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 14:37	Pramila Ghimire	2169958

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Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
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	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 15:35	Pramila Ghimire	2169961
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 15:55	Pramila Ghimire	2169962
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 18:52	Pramila Ghimire	2169932
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 19:50	Pramila Ghimire	2169936
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/17/2020 20:10	Pramila Ghimire	2169952
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/18/2020 05:38	Pramila Ghimire	2169962
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/19/2020 20:21	Pramila Ghimire	2169932
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/19/2020 20:41	Pramila Ghimire	2169935
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/19/2020 21:01	Pramila Ghimire	2169936
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/19/2020 21:20	Pramila Ghimire	2169938
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/19/2020 21:40	Pramila Ghimire	2169952
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/19/2020 21:59	Pramila Ghimire	2169953
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/19/2020 22:39	Pramila Ghimire	2169954
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/19/2020 22:58	Pramila Ghimire	2169956
	04/09/2020	04/14/2020 09:00	Hoor Shaik	04/19/2020 23:37	Pramila Ghimire	2169962
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/17/2020 22:27	Pramila Ghimire	2169976
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/17/2020 22:47	Pramila Ghimire	2169975
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/17/2020 23:06	Pramila Ghimire	2169977
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/17/2020 23:26	Pramila Ghimire	2169978
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 00:05	Pramila Ghimire	2169979
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 00:25	Pramila Ghimire	2169980
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 00:44	Pramila Ghimire	2169981
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 01:04	Pramila Ghimire	2169982
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 01:24	Pramila Ghimire	2169983
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 01:43	Pramila Ghimire	2169984
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 02:03	Pramila Ghimire	2169985
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 02:22	Pramila Ghimire	2169986
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 03:02	Pramila Ghimire	2169999
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 03:21	Pramila Ghimire	2170000
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 03:41	Pramila Ghimire	2170001
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 04:00	Pramila Ghimire	2170002
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 04:20	Pramila Ghimire	2170003
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 04:40	Pramila Ghimire	2170004
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 04:59	Pramila Ghimire	2170005
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/18/2020 05:19	Pramila Ghimire	2170006
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/20/2020 00:36	Pramila Ghimire	2169976
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/20/2020 01:15	Pramila Ghimire	2169975
	04/09/2020	04/14/2020 13:00	Hoor Shaik	04/20/2020 02:14	Pramila Ghimire	2170000

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
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	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 05:11	Pramila Ghimire	2170007
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 05:30	Pramila Ghimire	2170008
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 05:50	Pramila Ghimire	2170009
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 06:09	Pramila Ghimire	2170010
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 06:49	Pramila Ghimire	2170023
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 07:08	Pramila Ghimire	2170024
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 07:28	Pramila Ghimire	2170025
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 07:47	Pramila Ghimire	2170026
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 08:07	Pramila Ghimire	2170027
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 08:26	Pramila Ghimire	2170028
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 08:46	Pramila Ghimire	2170029
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 09:06	Pramila Ghimire	2170030
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 09:45	Pramila Ghimire	2170031
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 10:05	Pramila Ghimire	2170032
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 11:03	Pramila Ghimire	2170033
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 11:23	Pramila Ghimire	2170034
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 12:22	Pramila Ghimire	2170047
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 12:41	Pramila Ghimire	2170048
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 13:01	Pramila Ghimire	2170049
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 13:20	Pramila Ghimire	2170050
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/20/2020 23:34	Pramila Ghimire	2170007
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/21/2020 02:31	Pramila Ghimire	2170031
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/21/2020 03:49	Pramila Ghimire	2170033
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/21/2020 04:29	Pramila Ghimire	2170034
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/21/2020 22:30	Pramila Ghimire	2170051
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/21/2020 22:50	Pramila Ghimire	2170052
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/21/2020 23:09	Pramila Ghimire	2170053
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/21/2020 23:29	Pramila Ghimire	2170054
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 00:08	Pramila Ghimire	2170055
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 00:28	Pramila Ghimire	2170056
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 00:48	Pramila Ghimire	2170057
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 01:07	Pramila Ghimire	2170058
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 01:27	Pramila Ghimire	2170071
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 01:47	Pramila Ghimire	2170072
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 02:06	Pramila Ghimire	2170073
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 02:26	Pramila Ghimire	2170074
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 03:05	Pramila Ghimire	2170075
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 03:25	Pramila Ghimire	2170076

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Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
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	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 04:24	Pramila Ghimire	2170079
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 04:44	Pramila Ghimire	2170080
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 05:03	Pramila Ghimire	2170081
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 05:23	Pramila Ghimire	2170082
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 06:02	Pramila Ghimire	2170054
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 06:22	Pramila Ghimire	2170055
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 06:41	Pramila Ghimire	2170056
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 07:01	Pramila Ghimire	2170057
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 07:21	Pramila Ghimire	2170058
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 07:40	Pramila Ghimire	2170071
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/22/2020 08:00	Pramila Ghimire	2170072
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/23/2020 01:12	Pramila Ghimire	2170073
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/23/2020 01:31	Pramila Ghimire	2170075
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/23/2020 02:11	Pramila Ghimire	2170077
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/23/2020 02:30	Pramila Ghimire	2170078
	04/09/2020	04/15/2020 09:00	Hoor Shaik	04/23/2020 03:10	Pramila Ghimire	2170082
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 05:08	Pramila Ghimire	2170095
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 05:27	Pramila Ghimire	2170096
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 05:47	Pramila Ghimire	2170097
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 06:07	Pramila Ghimire	2170098
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 06:46	Pramila Ghimire	2170099
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 07:06	Pramila Ghimire	2170100
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 07:25	Pramila Ghimire	2170101
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 07:45	Pramila Ghimire	2170102
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 08:05	Pramila Ghimire	2170103
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 08:24	Pramila Ghimire	2170104
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 08:44	Pramila Ghimire	2170105
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 09:04	Pramila Ghimire	2170106
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 09:43	Pramila Ghimire	2170119
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 10:03	Pramila Ghimire	2170120
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 10:22	Pramila Ghimire	2170121
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 10:42	Pramila Ghimire	2170122
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 11:02	Pramila Ghimire	2170123
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 11:21	Pramila Ghimire	2170124
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 11:41	Pramila Ghimire	2170125
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 12:01	Pramila Ghimire	2170126
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 18:18	Pramila Ghimire	2170127
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 18:37	Pramila Ghimire	2170128

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Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
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	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 19:56	Pramila Ghimire	2170143
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 20:16	Pramila Ghimire	2170144
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 20:35	Pramila Ghimire	2170145
	04/09/2020	04/16/2020 09:00	Hoor Shaik	04/23/2020 20:55	Pramila Ghimire	2170146
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	04/09/2020	04/20/2020 09:00	Hoor Shaik	04/25/2020 20:32	Mohammad Ghaffari	2170219

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
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