

CH2M HILL-HDR JV

1610 N 2nd Street, Suite 201
Milwaukee WI 53212
Tel 414.847.0233

5 June 2020

Attention: LTC Meghan Plendl
Deputy Civil Engineer
Truax ANGB, WI
Madison, WI

Subject: Soil and Groundwater Sampling Results from Proposed F-35 Simulator Site

Dear LTC Plendl:

CH2M HILL-HDR JV was tasked with collecting soil and ground water samples at 10 locations around the current Building 410 at Truax ANGB, WI, the proposed location for the new F-35 Simulator Facility. This brief letter report will summarize the number and locations of the soil and groundwater samples that were collected and their corresponding laboratory results. Soil and groundwater samples were collected in accordance with the SOW and WDNR guidance issued for the project which is also attached to the end of this report.

On April 10, 2020, CH2M HILL-HDR JV subcontracted On-Site Environmental Services to utilize a direct push Geoprobe to collect soil and groundwater samples from 10 locations around existing Building 410. The sampling locations are shown on the attached Figure Sampling Plan.

At each sampling location, a geoprobe direct push boring was advanced to beyond the groundwater table and soil samples were collected using a Geoprobe dual tube sampling system with the steel outside casing and plastic sampling liners in 5-foot sections. Generally, groundwater was encountered at the site between 6 to 9 feet below grade with the deeper locations near Mitchell Street due to the topography of the site.

Soil samples were collected 1 to 2 feet below grade and just above the water table at each location. Following collection of the soil samples, a 1-inch temporary well was set in the borehole and a groundwater sample was collected as well. Following sample collection, the remaining soil was returned to the borehole and the remainder of the borehole was filled with bentonite grout. Four samples were collected for Total Organic Carbon (TOC) during the sampling event. Two composite samples from sampling locations 1-3 and 4-6 and one each from sampling location #9 and #10 were submitted for laboratory analysis of TOC.

A duplicate soil sample was collected in sampling location #7 in the 1-2 foot range and a duplicate water sample was also collected from sampling location #9. These duplicate samples are indicated on the attached Figure Sampling Plan. An equipment blank and field blank were also collected during the sampling event. A trip blank was also included in the cooler with the groundwater samples.

Soil and groundwater samples were immediately transported to CT Laboratories in coolers on ice following completion of the sampling event. CT Laboratories received the samples under proper chain of custody protocol. CT laboratories completed the analyses for volatile organic compounds (VOCs) and TOC. CT subcontracted the PFAS analysis to Vista Laboratories in California as they were one of only two laboratories at the time of sample collection that were approved by the WDNR for PFAS analysis.

In summary, very few VOCs were detected in the soil or groundwater samples. PFOS and PFOA were detected in very low amounts in just a few of the soil samples but were detected in all of the groundwater samples. A summary table of all of the VOCs and PFOS and PFOA detections is included in the report

CH2M HILL-HDR JV

as well as the laboratory analyses reports and chain of custodies. Only detections are included in the table. If no value is on the table, the result for that analyte was non-detectable.

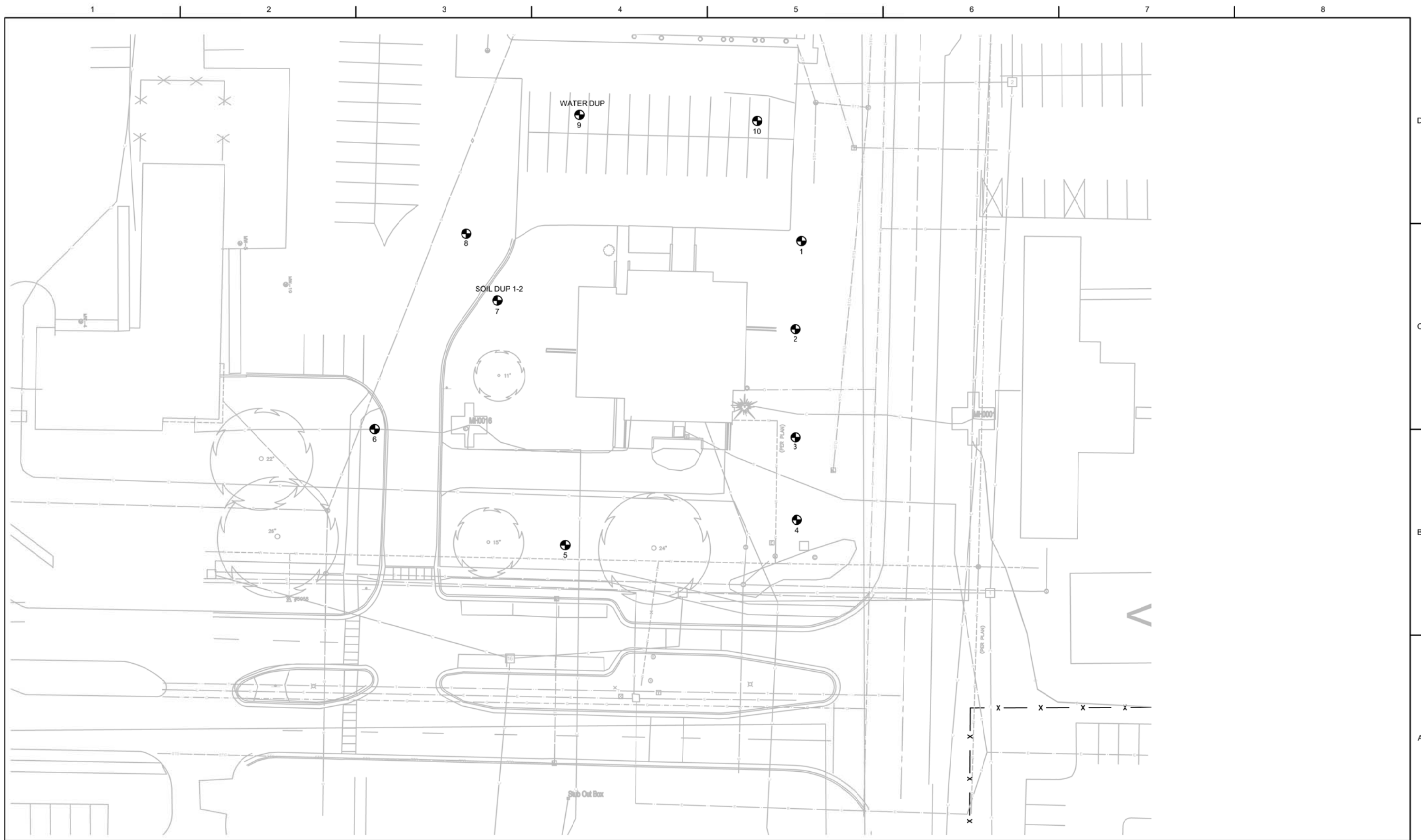
If you have any questions regarding this information please do not hesitate to contact me at (608) 358-4198 or chris.manz10@jacobs.com. We look forward to continuing support Truax ANGB on this very important project at the base.

Sincerely,

A handwritten signature in cursive script that reads "Chris Manz".

Chris Manz, P.E.
Program Manager
CH2M HILL-HDR JV
Direct: +1.414.847.0233
Mobile: +1.608.358.4198
Email: chris.manz10@jacobs.com

Attachment:
As Stated

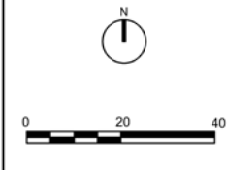


CH2M HILL – HDR JV

ISSUE	DATE	DESCRIPTION



TRUAX F-35 FLIGHT SIMULATOR (BUILDING B424)



SAMPLING PLAN

FILENAME
SCALE 1" = 20'

SHEET

ANALYTICAL REPORT

CH2M - JACOBS
 CHRIS MANZ
 1610 N SECOND ST
 SUITE 201
 MILWAUKEE, WI 53212

Project Name: MADISON
 Project Phase:
 Contract #: 3362
 Project #:
 Folder #: 152561
 Purchase Order #:

Page 1 of 105
 Arrival Temperature: See COC
 Report Date: 05/21/2020
 Date Received: 04/10/2020
 Reprint Date: 05/21/2020

CT LAB Sample#: 406777	Sample Description: 1-GW	Sampled: 04/10/2020 1010
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Organic Results

Qualifiers applying to all Analytes of Method EPA 8260C: T

1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1		04/15/2020 12:00	04/15/2020 12:00	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1		04/15/2020 12:00	04/15/2020 12:00	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:00	04/15/2020 12:00	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1		04/15/2020 12:00	04/15/2020 12:00	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:00	04/15/2020 12:00	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1		04/15/2020 12:00	04/15/2020 12:00	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1		04/15/2020 12:00	04/15/2020 12:00	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1		04/15/2020 12:00	04/15/2020 12:00	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:00	04/15/2020 12:00	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1		04/15/2020 12:00	04/15/2020 12:00	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1		04/15/2020 12:00	04/15/2020 12:00	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1		04/15/2020 12:00	04/15/2020 12:00	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1		04/15/2020 12:00	04/15/2020 12:00	RLD	EPA 8260C

CT LAB Sample#: 406777 Sample Description: 1-GW

Sampled: 04/10/2020 1010

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	12:00	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1		04/15/2020	12:00	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1		04/15/2020	12:00	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1		04/15/2020	12:00	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		04/15/2020	12:00	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1		04/15/2020	12:00	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	12:00	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1		04/15/2020	12:00	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1		04/15/2020	12:00	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1		04/15/2020	12:00	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1		04/15/2020	12:00	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	12:00	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1		04/15/2020	12:00	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1		04/15/2020	12:00	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1		04/15/2020	12:00	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1		04/15/2020	12:00	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1		04/15/2020	12:00	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1		04/15/2020	12:00	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1		04/15/2020	12:00	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1		04/15/2020	12:00	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1		04/15/2020	12:00	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1		04/15/2020	12:00	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	12:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406777 Sample Description: 1-GW

Sampled: 04/10/2020 1010

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
Chloroethane	<0.50	ug/L	0.50	1.6	1		04/15/2020	12:00	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1		04/15/2020	12:00	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1		04/15/2020	12:00	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020	12:00	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1		04/15/2020	12:00	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	12:00	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1		04/15/2020	12:00	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1		04/15/2020	12:00	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1		04/15/2020	12:00	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	12:00	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1		04/15/2020	12:00	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	12:00	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1		04/15/2020	12:00	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		04/15/2020	12:00	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1		04/15/2020	12:00	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1		04/15/2020	12:00	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	12:00	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1		04/15/2020	12:00	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1		04/15/2020	12:00	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	12:00	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	12:00	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1		04/15/2020	12:00	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	12:00	RLD	EPA 8260C

CT LAB Sample#: 406777 Sample Description: 1-GW

Sampled: 04/10/2020 1010

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			04/15/2020 12:00	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			04/15/2020 12:00	RLD	EPA 8260C
Toluene	0.42	ug/L	0.21 *	0.69	1			04/15/2020 12:00	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			04/15/2020 12:00	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			04/15/2020 12:00	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			04/15/2020 12:00	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			04/15/2020 12:00	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1	Y		04/15/2020 12:00	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			04/15/2020 12:00	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1			05/20/2020 00:00	SUB	
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CT LAB Sample#: 406778 Sample Description: 2-GW

Sampled: 04/10/2020 1045

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			04/15/2020 12:30	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			04/15/2020 12:30	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			04/15/2020 12:30	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			04/15/2020 12:30	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			04/15/2020 12:30	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			04/15/2020 12:30	RLD	EPA 8260C

CT LAB Sample#: 406778 Sample Description: 2-GW

Sampled: 04/10/2020 1045

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Acetone	4.1	ug/L	4.0 *	12	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C

CT LAB Sample#: 406778 Sample Description: 2-GW

Sampled: 04/10/2020 1045

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.40	ug/L	0.40	1.3	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020 12:30	04/15/2020 12:30	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406778 Sample Description: 2-GW

Sampled: 04/10/2020 1045

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			04/15/2020 12:30	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			04/15/2020 12:30	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			04/15/2020 12:30	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			04/15/2020 12:30	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			04/15/2020 12:30	RLD	EPA 8260C
Toluene	0.36	ug/L	0.21 *	0.69	1			04/15/2020 12:30	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			04/15/2020 12:30	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			04/15/2020 12:30	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			04/15/2020 12:30	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			04/15/2020 12:30	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1	Y		04/15/2020 12:30	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			04/15/2020 12:30	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1			05/20/2020 00:00	SUB	
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CT LAB Sample#: 406779 Sample Description: 3-GW

Sampled: 04/10/2020 1050

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Organic Results

Qualifiers applying to all Analytes of Method EPA 8260C: T

1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			04/15/2020 13:00	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			04/15/2020 13:00	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			04/15/2020 13:00	RLD	EPA 8260C

CT LAB Sample#: 406779 Sample Description: 3-GW

Sampled: 04/10/2020 1050

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1		04/15/2020	13:00	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1		04/15/2020	13:00	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1		04/15/2020	13:00	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1		04/15/2020	13:00	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1		04/15/2020	13:00	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1		04/15/2020	13:00	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1		04/15/2020	13:00	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1		04/15/2020	13:00	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1		04/15/2020	13:00	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1		04/15/2020	13:00	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1		04/15/2020	13:00	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		04/15/2020	13:00	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1		04/15/2020	13:00	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1		04/15/2020	13:00	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1		04/15/2020	13:00	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1		04/15/2020	13:00	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1		04/15/2020	13:00	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1		04/15/2020	13:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406779 Sample Description: 3-GW

Sampled: 04/10/2020 1050

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
Acetone	5.0	ug/L	4.0 *	12	1		04/15/2020	13:00	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1		04/15/2020	13:00	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1		04/15/2020	13:00	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1		04/15/2020	13:00	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1		04/15/2020	13:00	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1		04/15/2020	13:00	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1		04/15/2020	13:00	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1		04/15/2020	13:00	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		04/15/2020	13:00	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1		04/15/2020	13:00	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1		04/15/2020	13:00	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1		04/15/2020	13:00	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1		04/15/2020	13:00	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1		04/15/2020	13:00	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1		04/15/2020	13:00	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1		04/15/2020	13:00	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1		04/15/2020	13:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406779 Sample Description: 3-GW

Sampled: 04/10/2020 1050

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1		04/15/2020	13:00	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1		04/15/2020	13:00	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1		04/15/2020	13:00	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1		04/15/2020	13:00	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	13:00	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1		04/15/2020	13:00	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	13:00	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1		04/15/2020	13:00	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		04/15/2020	13:00	RLD	EPA 8260C
Toluene	0.62	ug/L	0.21 *	0.69	1		04/15/2020	13:00	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1		04/15/2020	13:00	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1		04/15/2020	13:00	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:00	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1		04/15/2020	13:00	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1	Y	04/15/2020	13:00	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1		04/15/2020	13:00	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020	00:00	SUB	
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CT LAB Sample#: 406780 Sample Description: 4-GW

Sampled: 04/10/2020 1110

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1		04/15/2020 13:30	13:30	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1		04/15/2020 13:30	13:30	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406780 Sample Description: 4-GW

Sampled: 04/10/2020 1110

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Acetone	4.2	ug/L	4.0 *	12	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1		04/15/2020 13:30	04/15/2020 13:30	RLD	EPA 8260C

CT LAB Sample#: 406780 Sample Description: 4-GW

Sampled: 04/10/2020 1110

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:30	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1		04/15/2020	13:30	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1		04/15/2020	13:30	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:30	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1		04/15/2020	13:30	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1		04/15/2020	13:30	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:30	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	13:30	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1		04/15/2020	13:30	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	13:30	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1		04/15/2020	13:30	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		04/15/2020	13:30	RLD	EPA 8260C
Toluene	0.45	ug/L	0.21 *	0.69	1		04/15/2020	13:30	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1		04/15/2020	13:30	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1		04/15/2020	13:30	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020	13:30	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1		04/15/2020	13:30	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1	Y	04/15/2020	13:30	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1		04/15/2020	13:30	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020	00:00	SUB	
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CT LAB Sample#: 406781 Sample Description: 5-GW

Sampled: 04/10/2020 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Qualifiers applying to all Analytes of Method EPA 8260C: T										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1		04/15/2020	14:00	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1		04/15/2020	14:00	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1		04/15/2020	14:00	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1		04/15/2020	14:00	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1		04/15/2020	14:00	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1		04/15/2020	14:00	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1		04/15/2020	14:00	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1		04/15/2020	14:00	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1		04/15/2020	14:00	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1		04/15/2020	14:00	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1		04/15/2020	14:00	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1		04/15/2020	14:00	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1		04/15/2020	14:00	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		04/15/2020	14:00	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1		04/15/2020	14:00	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1		04/15/2020	14:00	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1		04/15/2020	14:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406781 Sample Description: 5-GW

Sampled: 04/10/2020 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1		04/15/2020	14:00	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1		04/15/2020	14:00	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1		04/15/2020	14:00	RLD	EPA 8260C
Acetone	5.1	ug/L	4.0 *	12	1		04/15/2020	14:00	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1		04/15/2020	14:00	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1		04/15/2020	14:00	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1		04/15/2020	14:00	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1		04/15/2020	14:00	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1		04/15/2020	14:00	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1		04/15/2020	14:00	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1		04/15/2020	14:00	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		04/15/2020	14:00	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1		04/15/2020	14:00	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1		04/15/2020	14:00	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1		04/15/2020	14:00	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1		04/15/2020	14:00	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1		04/15/2020	14:00	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1		04/15/2020	14:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406781 Sample Description: 5-GW

Sampled: 04/10/2020 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1		04/15/2020	14:00	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1		04/15/2020	14:00	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1		04/15/2020	14:00	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1		04/15/2020	14:00	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1		04/15/2020	14:00	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1		04/15/2020	14:00	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	14:00	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1		04/15/2020	14:00	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	14:00	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1		04/15/2020	14:00	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		04/15/2020	14:00	RLD	EPA 8260C
Toluene	0.44	ug/L	0.21 *	0.69	1		04/15/2020	14:00	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1		04/15/2020	14:00	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1		04/15/2020	14:00	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:00	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1		04/15/2020	14:00	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1	Y	04/15/2020	14:00	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1		04/15/2020	14:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406781 Sample Description: 5-GW Sampled: 04/10/2020 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020 00:00		SUB	
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CT LAB Sample#: 406782 Sample Description: 6-GW Sampled: 04/10/2020 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Organic Results

Qualifiers applying to all Analytes of Method EPA 8260C: T

1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1		04/15/2020 14:30	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1		04/15/2020 14:30	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020 14:30	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1		04/15/2020 14:30	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020 14:30	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1		04/15/2020 14:30	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1		04/15/2020 14:30	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1		04/15/2020 14:30	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1		04/15/2020 14:30	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1		04/15/2020 14:30	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1		04/15/2020 14:30	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1		04/15/2020 14:30	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1		04/15/2020 14:30	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 14:30	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1		04/15/2020 14:30	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1		04/15/2020 14:30	RLD	EPA 8260C

CT LAB Sample#: 406782 Sample Description: 6-GW

Sampled: 04/10/2020 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1		04/15/2020	14:30	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		04/15/2020	14:30	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1		04/15/2020	14:30	RLD	EPA 8260C
1,4-Dichlorobenzene	0.40	ug/L	0.30 *	1.1	1		04/15/2020	14:30	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1		04/15/2020	14:30	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1		04/15/2020	14:30	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1		04/15/2020	14:30	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1		04/15/2020	14:30	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:30	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1		04/15/2020	14:30	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1		04/15/2020	14:30	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1		04/15/2020	14:30	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1		04/15/2020	14:30	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1		04/15/2020	14:30	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1		04/15/2020	14:30	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1		04/15/2020	14:30	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1		04/15/2020	14:30	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1		04/15/2020	14:30	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:30	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:30	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		04/15/2020	14:30	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1		04/15/2020	14:30	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1		04/15/2020	14:30	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406782 Sample Description: 6-GW

Sampled: 04/10/2020 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:30	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1		04/15/2020	14:30	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:30	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1		04/15/2020	14:30	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1		04/15/2020	14:30	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1		04/15/2020	14:30	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:30	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1		04/15/2020	14:30	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:30	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1		04/15/2020	14:30	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:30	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1		04/15/2020	14:30	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1		04/15/2020	14:30	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:30	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1		04/15/2020	14:30	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1		04/15/2020	14:30	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	14:30	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	14:30	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1		04/15/2020	14:30	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	14:30	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1		04/15/2020	14:30	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		04/15/2020	14:30	RLD	EPA 8260C
Toluene	0.51	ug/L	0.21 *	0.69	1		04/15/2020	14:30	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406782 Sample Description: 6-GW Sampled: 04/10/2020 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			04/15/2020 14:30	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			04/15/2020 14:30	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			04/15/2020 14:30	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			04/15/2020 14:30	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1	Y		04/15/2020 14:30	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			04/15/2020 14:30	RLD	EPA 8260C

Sub Lab Results

PFOS **attached** N/A N/A 1 05/20/2020 00:00 SUB

CT LAB Sample#: 406783 Sample Description: 7-GW Sampled: 04/10/2020 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Qualifiers applying to all Analytes of Method EPA 8260C: T										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			04/15/2020 15:00	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			04/15/2020 15:00	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			04/15/2020 15:00	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			04/15/2020 15:00	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			04/15/2020 15:00	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			04/15/2020 15:00	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			04/15/2020 15:00	RLD	EPA 8260C

CT LAB Sample#: 406783 Sample Description: 7-GW

Sampled: 04/10/2020 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1		04/15/2020	15:00	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:00	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1		04/15/2020	15:00	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1		04/15/2020	15:00	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1		04/15/2020	15:00	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1		04/15/2020	15:00	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:00	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1		04/15/2020	15:00	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1		04/15/2020	15:00	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1		04/15/2020	15:00	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		04/15/2020	15:00	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1		04/15/2020	15:00	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:00	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1		04/15/2020	15:00	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1		04/15/2020	15:00	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1		04/15/2020	15:00	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1		04/15/2020	15:00	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:00	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1		04/15/2020	15:00	RLD	EPA 8260C
Acetone	4.1	ug/L	4.0 *	12	1		04/15/2020	15:00	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1		04/15/2020	15:00	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1		04/15/2020	15:00	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1		04/15/2020	15:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406783 Sample Description: 7-GW

Sampled: 04/10/2020 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1		04/15/2020	15:00	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1		04/15/2020	15:00	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1		04/15/2020	15:00	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1		04/15/2020	15:00	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:00	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:00	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		04/15/2020	15:00	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1		04/15/2020	15:00	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1		04/15/2020	15:00	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:00	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1		04/15/2020	15:00	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:00	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1		04/15/2020	15:00	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1		04/15/2020	15:00	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1		04/15/2020	15:00	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:00	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1		04/15/2020	15:00	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:00	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1		04/15/2020	15:00	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:00	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1		04/15/2020	15:00	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1		04/15/2020	15:00	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:00	RLD	EPA 8260C

CT LAB Sample#: 406783 Sample Description: 7-GW Sampled: 04/10/2020 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
Naphthalene	<0.30	ug/L	0.30	1.0	1			04/15/2020 15:00	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			04/15/2020 15:00	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			04/15/2020 15:00	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			04/15/2020 15:00	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			04/15/2020 15:00	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			04/15/2020 15:00	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			04/15/2020 15:00	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			04/15/2020 15:00	RLD	EPA 8260C
Toluene	0.45	ug/L	0.21 *	0.69	1			04/15/2020 15:00	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			04/15/2020 15:00	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			04/15/2020 15:00	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			04/15/2020 15:00	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			04/15/2020 15:00	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1	Y		04/15/2020 15:00	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			04/15/2020 15:00	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1			05/20/2020 00:00	SUB	
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CT LAB Sample#: 406784 Sample Description: 8-GW Sampled: 04/10/2020 1230

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Organic Results

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406784 Sample Description: 8-GW

Sampled: 04/10/2020 1230

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1		04/15/2020	15:30	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1		04/15/2020	15:30	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:30	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1		04/15/2020	15:30	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:30	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1		04/15/2020	15:30	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1		04/15/2020	15:30	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1		04/15/2020	15:30	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:30	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1		04/15/2020	15:30	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1		04/15/2020	15:30	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1		04/15/2020	15:30	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1		04/15/2020	15:30	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:30	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1		04/15/2020	15:30	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1		04/15/2020	15:30	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1		04/15/2020	15:30	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		04/15/2020	15:30	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1		04/15/2020	15:30	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:30	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1		04/15/2020	15:30	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1		04/15/2020	15:30	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1		04/15/2020	15:30	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1		04/15/2020	15:30	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406784 Sample Description: 8-GW

Sampled: 04/10/2020 1230

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Acetone	5.2	ug/L	4.0 *	12	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 15:30	15:30	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1		04/15/2020 15:30	15:30	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406784 Sample Description: 8-GW

Sampled: 04/10/2020 1230

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:30	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1		04/15/2020	15:30	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:30	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1		04/15/2020	15:30	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1		04/15/2020	15:30	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:30	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1		04/15/2020	15:30	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1		04/15/2020	15:30	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:30	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	15:30	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1		04/15/2020	15:30	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	15:30	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1		04/15/2020	15:30	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		04/15/2020	15:30	RLD	EPA 8260C
Toluene	0.26	ug/L	0.21 *	0.69	1		04/15/2020	15:30	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1		04/15/2020	15:30	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1		04/15/2020	15:30	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020	15:30	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1		04/15/2020	15:30	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1	Y	04/15/2020	15:30	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1		04/15/2020	15:30	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020	00:00	SUB	
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Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406785 Sample Description: 9-GW

Sampled: 04/10/2020 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1		04/15/2020	16:00	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1		04/15/2020	16:00	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:00	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1		04/15/2020	16:00	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:00	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1		04/15/2020	16:00	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1		04/15/2020	16:00	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1		04/15/2020	16:00	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:00	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1		04/15/2020	16:00	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1		04/15/2020	16:00	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1		04/15/2020	16:00	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1		04/15/2020	16:00	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:00	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1		04/15/2020	16:00	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1		04/15/2020	16:00	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1		04/15/2020	16:00	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		04/15/2020	16:00	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1		04/15/2020	16:00	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:00	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1		04/15/2020	16:00	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1		04/15/2020	16:00	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1		04/15/2020	16:00	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1		04/15/2020	16:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406785 Sample Description: 9-GW

Sampled: 04/10/2020 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:00	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			04/15/2020 16:00	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			04/15/2020 16:00	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			04/15/2020 16:00	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			04/15/2020 16:00	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			04/15/2020 16:00	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			04/15/2020 16:00	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			04/15/2020 16:00	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			04/15/2020 16:00	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			04/15/2020 16:00	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:00	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:00	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			04/15/2020 16:00	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			04/15/2020 16:00	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			04/15/2020 16:00	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:00	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			04/15/2020 16:00	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:00	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			04/15/2020 16:00	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			04/15/2020 16:00	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			04/15/2020 16:00	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:00	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			04/15/2020 16:00	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:00	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			04/15/2020 16:00	RLD	EPA 8260C

CT LAB Sample#: 406785 Sample Description: 9-GW

Sampled: 04/10/2020 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:00	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			04/15/2020 16:00	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			04/15/2020 16:00	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:00	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			04/15/2020 16:00	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			04/15/2020 16:00	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:00	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			04/15/2020 16:00	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			04/15/2020 16:00	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			04/15/2020 16:00	RLD	EPA 8260C
Tetrachloroethene	0.69	ug/L	0.27 *	0.89	1			04/15/2020 16:00	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			04/15/2020 16:00	RLD	EPA 8260C
Toluene	0.43	ug/L	0.21 *	0.69	1			04/15/2020 16:00	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			04/15/2020 16:00	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			04/15/2020 16:00	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:00	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			04/15/2020 16:00	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1	Y		04/15/2020 16:00	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			04/15/2020 16:00	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1			05/20/2020 00:00	SUB	
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CT LAB Sample#: 406786 Sample Description: 10-GW

Sampled: 04/10/2020 1320

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1		04/15/2020 16:30	16:30	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1		04/15/2020 16:30	16:30	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406786 Sample Description: 10-GW

Sampled: 04/10/2020 1320

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1		04/15/2020 16:30	04/15/2020 16:30	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406786 Sample Description: 10-GW

Sampled: 04/10/2020 1320

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:30	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			04/15/2020 16:30	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			04/15/2020 16:30	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:30	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			04/15/2020 16:30	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			04/15/2020 16:30	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:30	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			04/15/2020 16:30	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			04/15/2020 16:30	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			04/15/2020 16:30	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			04/15/2020 16:30	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			04/15/2020 16:30	RLD	EPA 8260C
Toluene	0.41	ug/L	0.21 *	0.69	1			04/15/2020 16:30	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			04/15/2020 16:30	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			04/15/2020 16:30	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:30	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			04/15/2020 16:30	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1	Y		04/15/2020 16:30	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			04/15/2020 16:30	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1			05/20/2020 00:00	SUB	
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CT LAB Sample#: 406787 Sample Description: FIELD DUP

Sampled: 04/10/2020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1		04/15/2020	16:59	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1		04/15/2020	16:59	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:59	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1		04/15/2020	16:59	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:59	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1		04/15/2020	16:59	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1		04/15/2020	16:59	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1		04/15/2020	16:59	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:59	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1		04/15/2020	16:59	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1		04/15/2020	16:59	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1		04/15/2020	16:59	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1		04/15/2020	16:59	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:59	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1		04/15/2020	16:59	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1		04/15/2020	16:59	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1		04/15/2020	16:59	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		04/15/2020	16:59	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1		04/15/2020	16:59	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:59	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1		04/15/2020	16:59	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1		04/15/2020	16:59	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1		04/15/2020	16:59	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1		04/15/2020	16:59	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406787 Sample Description: FIELD DUP

Sampled: 04/10/2020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:59	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1		04/15/2020	16:59	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1		04/15/2020	16:59	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1		04/15/2020	16:59	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1		04/15/2020	16:59	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1		04/15/2020	16:59	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1		04/15/2020	16:59	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1		04/15/2020	16:59	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1		04/15/2020	16:59	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1		04/15/2020	16:59	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:59	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:59	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		04/15/2020	16:59	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1		04/15/2020	16:59	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1		04/15/2020	16:59	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:59	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1		04/15/2020	16:59	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:59	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1		04/15/2020	16:59	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1		04/15/2020	16:59	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1		04/15/2020	16:59	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:59	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1		04/15/2020	16:59	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	16:59	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1		04/15/2020	16:59	RLD	EPA 8260C

CT LAB Sample#: 406787 Sample Description: FIELD DUP

Sampled: 04/10/2020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:59	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			04/15/2020 16:59	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			04/15/2020 16:59	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:59	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			04/15/2020 16:59	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			04/15/2020 16:59	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:59	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			04/15/2020 16:59	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			04/15/2020 16:59	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			04/15/2020 16:59	RLD	EPA 8260C
Tetrachloroethene	0.70	ug/L	0.27 *	0.89	1			04/15/2020 16:59	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			04/15/2020 16:59	RLD	EPA 8260C
Toluene	0.30	ug/L	0.21 *	0.69	1			04/15/2020 16:59	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			04/15/2020 16:59	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			04/15/2020 16:59	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			04/15/2020 16:59	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			04/15/2020 16:59	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1	Y		04/15/2020 16:59	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			04/15/2020 16:59	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1			05/20/2020 00:00	SUB	
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CT LAB Sample#: 406788 Sample Description: FIELD BLANK

Sampled: 04/10/2020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1		04/15/2020	11:00	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1		04/15/2020	11:00	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1		04/15/2020	11:00	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1		04/15/2020	11:00	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1		04/15/2020	11:00	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1		04/15/2020	11:00	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1		04/15/2020	11:00	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1		04/15/2020	11:00	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1		04/15/2020	11:00	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1		04/15/2020	11:00	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1		04/15/2020	11:00	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1		04/15/2020	11:00	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1		04/15/2020	11:00	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		04/15/2020	11:00	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1		04/15/2020	11:00	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1		04/15/2020	11:00	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1		04/15/2020	11:00	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1		04/15/2020	11:00	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1		04/15/2020	11:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406788 Sample Description: FIELD BLANK

Sampled: 04/10/2020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1		04/15/2020	11:00	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1		04/15/2020	11:00	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1		04/15/2020	11:00	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1		04/15/2020	11:00	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1		04/15/2020	11:00	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1		04/15/2020	11:00	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1		04/15/2020	11:00	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1		04/15/2020	11:00	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1		04/15/2020	11:00	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		04/15/2020	11:00	RLD	EPA 8260C
Chloroform	4.7	ug/L	0.30	1.2	1		04/15/2020	11:00	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1		04/15/2020	11:00	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1		04/15/2020	11:00	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1		04/15/2020	11:00	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1		04/15/2020	11:00	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1		04/15/2020	11:00	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1		04/15/2020	11:00	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1		04/15/2020	11:00	RLD	EPA 8260C

CT LAB Sample#: 406788 Sample Description: FIELD BLANK

Sampled: 04/10/2020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
Methylene chloride	6.1	ug/L	0.40	1.5	1		04/15/2020	11:00	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1		04/15/2020	11:00	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1		04/15/2020	11:00	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1		04/15/2020	11:00	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	11:00	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1		04/15/2020	11:00	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	11:00	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1		04/15/2020	11:00	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		04/15/2020	11:00	RLD	EPA 8260C
Toluene	0.50	ug/L	0.21 *	0.69	1		04/15/2020	11:00	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1		04/15/2020	11:00	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1		04/15/2020	11:00	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020	11:00	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1		04/15/2020	11:00	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1	Y	04/15/2020	11:00	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1		04/15/2020	11:00	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020	00:00	SUB	
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CT LAB Sample#: 406790 Sample Description: EQUIP BLANK

Sampled: 04/10/2020 0900

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Sub Lab Results

PFOS	attached		N/A	N/A	1			05/20/2020 00:00	SUB	
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CT LAB Sample#: 406791 Sample Description: TRIP BLANK

Sampled: 04/10/2020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Organic Results

1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			04/15/2020 17:59	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			04/15/2020 17:59	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			04/15/2020 17:59	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			04/15/2020 17:59	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			04/15/2020 17:59	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			04/15/2020 17:59	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			04/15/2020 17:59	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			04/15/2020 17:59	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			04/15/2020 17:59	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			04/15/2020 17:59	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			04/15/2020 17:59	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			04/15/2020 17:59	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			04/15/2020 17:59	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			04/15/2020 17:59	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			04/15/2020 17:59	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			04/15/2020 17:59	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			04/15/2020 17:59	RLD	EPA 8260C

CT LAB Sample#: 406791 Sample Description: TRIP BLANK

Sampled: 04/10/2020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			04/15/2020 17:59	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			04/15/2020 17:59	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			04/15/2020 17:59	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			04/15/2020 17:59	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			04/15/2020 17:59	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			04/15/2020 17:59	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			04/15/2020 17:59	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			04/15/2020 17:59	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			04/15/2020 17:59	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			04/15/2020 17:59	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			04/15/2020 17:59	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			04/15/2020 17:59	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			04/15/2020 17:59	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			04/15/2020 17:59	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			04/15/2020 17:59	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			04/15/2020 17:59	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			04/15/2020 17:59	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			04/15/2020 17:59	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			04/15/2020 17:59	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			04/15/2020 17:59	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			04/15/2020 17:59	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			04/15/2020 17:59	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			04/15/2020 17:59	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			04/15/2020 17:59	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			04/15/2020 17:59	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406791 Sample Description: TRIP BLANK

Sampled: 04/10/2020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromomethane	<0.22	ug/L	0.22	0.73	1		04/15/2020	17:59	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1		04/15/2020	17:59	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1		04/15/2020	17:59	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	17:59	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1		04/15/2020	17:59	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	17:59	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1		04/15/2020	17:59	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		04/15/2020	17:59	RLD	EPA 8260C
Methylene chloride	1.1	ug/L	0.40 *	1.5	1		04/15/2020	17:59	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1		04/15/2020	17:59	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1		04/15/2020	17:59	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1		04/15/2020	17:59	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1		04/15/2020	17:59	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1		04/15/2020	17:59	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	17:59	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1		04/15/2020	17:59	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1		04/15/2020	17:59	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1		04/15/2020	17:59	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		04/15/2020	17:59	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1		04/15/2020	17:59	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1		04/15/2020	17:59	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1		04/15/2020	17:59	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1		04/15/2020	17:59	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1		04/15/2020	17:59	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1	Y	04/15/2020	17:59	RLD	EPA 8260C

CT LAB Sample#: 406791 Sample Description: TRIP BLANK Sampled: 04/10/2020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			04/15/2020 17:59	RLD	EPA 8260C

CT LAB Sample#: 406793 Sample Description: 1-1-2' Sampled: 04/10/2020 0839

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	83.1	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.060	mg/kg	0.060	0.20	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.021	mg/kg	0.021	0.071	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,1-Dichloroethane	<0.0070	mg/kg	0.0070	0.023	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,1-Dichloroethene	<0.021	mg/kg	0.021	0.071	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,1-Dichloropropene	<0.027	mg/kg	0.027	0.090	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	mg/kg	0.040	0.14	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.017	mg/kg	0.017	0.058	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.070	mg/kg	0.070	0.24	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,2-Dibromoethane	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,2-Dichloroethane	<0.022	mg/kg	0.022	0.074	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,2-Dichloropropane	<0.026	mg/kg	0.026	0.086	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C

CT LAB Sample#: 406793 Sample Description: 1-1-2'

Sampled: 04/10/2020 0839

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,3-Dichloropropane	<0.014	mg/kg	0.014	0.048	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
2,2-Dichloropropane	<0.021	mg/kg	0.021	0.070	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
2-Butanone	<0.40	mg/kg	0.40	1.2	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
2-Chlorotoluene	<0.018	mg/kg	0.018	0.059	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
2-Hexanone	<0.20	mg/kg	0.20	0.70	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
4-Chlorotoluene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.18	mg/kg	0.18	0.61	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Acetone	<0.40	mg/kg	0.40	1.3	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Benzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Bromobenzene	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Bromochloromethane	<0.017	mg/kg	0.017	0.058	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Bromodichloromethane	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Bromoform	<0.060	mg/kg	0.060	0.19	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Bromomethane	<0.090	mg/kg	0.090	0.30	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Carbon disulfide	<0.040	mg/kg	0.040	0.12	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Carbon tetrachloride	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Chlorobenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Chloroethane	<0.030	mg/kg	0.030	0.12	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Chloroform	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Chloromethane	<0.030	mg/kg	0.030	0.10	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.027	mg/kg	0.027	0.090	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	mg/kg	0.014	0.048	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C

CT LAB Sample#: 406793 Sample Description: 1-1-2'

Sampled: 04/10/2020 0839

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromochloromethane	<0.040	mg/kg	0.040	0.14	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Dibromomethane	<0.021	mg/kg	0.021	0.070	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Dichlorodifluoromethane	<0.050	mg/kg	0.050	0.17	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Diisopropyl ether	<0.018	mg/kg	0.018	0.061	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Ethylbenzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Hexachlorobutadiene	<0.023	mg/kg	0.023	0.078	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Isopropylbenzene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
m & p-Xylene	<0.025	mg/kg	0.025	0.082	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Methyl tert-butyl ether	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Methylene chloride	<0.060	mg/kg	0.060	0.21	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
n-Butylbenzene	<0.017	mg/kg	0.017	0.055	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
n-Propylbenzene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Naphthalene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
o-Xylene	<0.0070	mg/kg	0.0070	0.022	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
p-Isopropyltoluene	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
sec-Butylbenzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Styrene	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
tert-Butylbenzene	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Tetrachloroethene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Tetrahydrofuran	<0.25	mg/kg	0.25	0.83	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Toluene	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.040	mg/kg	0.040	0.12	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Trichloroethene	<0.019	mg/kg	0.019	0.062	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Trichlorofluoromethane	<0.040	mg/kg	0.040	0.12	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406793	Sample Description: 1-1-2'	Sampled: 04/10/2020 0839
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl acetate	<0.40	mg/kg	0.40	1.3	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C
Vinyl chloride	<0.019	mg/kg	0.019	0.064	1		04/15/2020 10:15	04/16/2020 11:54	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1			05/20/2020 00:00	SUB	
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CT LAB Sample#: 406794	Sample Description: 1-AG	Sampled: 04/10/2020 0839
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Solids, Percent	95.4	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C

Organic Results

1,1,1,2-Tetrachloroethane	<0.060	mg/kg	0.060	0.20	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.021	mg/kg	0.021	0.071	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,1-Dichloroethane	<0.0070	mg/kg	0.0070	0.023	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,1-Dichloroethene	<0.021	mg/kg	0.021	0.071	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,1-Dichloropropene	<0.027	mg/kg	0.027	0.090	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	mg/kg	0.040	0.14	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.017	mg/kg	0.017	0.058	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.070	mg/kg	0.070	0.24	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,2-Dibromoethane	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C

CT LAB Sample#: 406794 Sample Description: 1-AG

Sampled: 04/10/2020 0839

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dichlorobenzene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,2-Dichloroethane	<0.022	mg/kg	0.022	0.074	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,2-Dichloropropane	<0.026	mg/kg	0.026	0.086	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,3-Dichloropropane	<0.014	mg/kg	0.014	0.048	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
2,2-Dichloropropane	<0.021	mg/kg	0.021	0.070	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
2-Butanone	<0.40	mg/kg	0.40	1.2	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
2-Chlorotoluene	<0.018	mg/kg	0.018	0.059	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
2-Hexanone	<0.20	mg/kg	0.20	0.70	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
4-Chlorotoluene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.18	mg/kg	0.18	0.61	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Acetone	<0.40	mg/kg	0.40	1.3	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Benzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Bromobenzene	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Bromochloromethane	<0.017	mg/kg	0.017	0.058	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Bromodichloromethane	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Bromoform	<0.060	mg/kg	0.060	0.19	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Bromomethane	<0.090	mg/kg	0.090	0.30	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Carbon disulfide	<0.040	mg/kg	0.040	0.12	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Carbon tetrachloride	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Chlorobenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Chloroethane	<0.030	mg/kg	0.030	0.12	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Chloroform	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C

CT LAB Sample#: 406794 Sample Description: 1-AG

Sampled: 04/10/2020 0839

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloromethane	<0.030	mg/kg	0.030	0.10	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.027	mg/kg	0.027	0.090	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	mg/kg	0.014	0.048	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Dibromochloromethane	<0.040	mg/kg	0.040	0.14	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Dibromomethane	<0.021	mg/kg	0.021	0.070	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Dichlorodifluoromethane	<0.050	mg/kg	0.050	0.17	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Diisopropyl ether	<0.018	mg/kg	0.018	0.061	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Ethylbenzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Hexachlorobutadiene	<0.023	mg/kg	0.023	0.078	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Isopropylbenzene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
m & p-Xylene	<0.025	mg/kg	0.025	0.082	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Methyl tert-butyl ether	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Methylene chloride	<0.060	mg/kg	0.060	0.21	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
n-Butylbenzene	<0.017	mg/kg	0.017	0.055	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
n-Propylbenzene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Naphthalene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
o-Xylene	<0.0070	mg/kg	0.0070	0.022	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
p-Isopropyltoluene	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
sec-Butylbenzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Styrene	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
tert-Butylbenzene	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Tetrachloroethene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Tetrahydrofuran	<0.25	mg/kg	0.25	0.83	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Toluene	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C

CT LAB Sample#: 406794 Sample Description: 1-AG

Sampled: 04/10/2020 0839

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.040	mg/kg	0.040	0.12	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Trichloroethene	<0.019	mg/kg	0.019	0.062	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Trichlorofluoromethane	<0.040	mg/kg	0.040	0.12	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Vinyl acetate	<0.40	mg/kg	0.40	1.3	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C
Vinyl chloride	<0.019	mg/kg	0.019	0.064	1		04/15/2020 10:15	04/16/2020 12:22	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1			05/20/2020 00:00	SUB	
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CT LAB Sample#: 406795 Sample Description: 2-1-2'

Sampled: 04/10/2020 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	81.8	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.057	mg/kg	0.057	0.19	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.020	mg/kg	0.020	0.067	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,1-Dichloroethane	<0.0066	mg/kg	0.0066	0.022	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,1-Dichloroethene	<0.020	mg/kg	0.020	0.067	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,1-Dichloropropene	<0.026	mg/kg	0.026	0.085	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.010	mg/kg	0.010	0.035	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.038	mg/kg	0.038	0.13	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.016	mg/kg	0.016	0.055	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C

CT LAB Sample#: 406795 Sample Description: 2-1-2'

Sampled: 04/10/2020 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.010	mg/kg	0.010	0.033	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.066	mg/kg	0.066	0.23	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,2-Dibromoethane	<0.010	mg/kg	0.010	0.036	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,2-Dichloroethane	<0.021	mg/kg	0.021	0.070	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,2-Dichloropropane	<0.025	mg/kg	0.025	0.081	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.012	mg/kg	0.012	0.042	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,3-Dichloropropane	<0.013	mg/kg	0.013	0.045	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.014	mg/kg	0.014	0.048	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
2,2-Dichloropropane	<0.020	mg/kg	0.020	0.066	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
2-Butanone	<0.38	mg/kg	0.38	1.1	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
2-Chlorotoluene	<0.017	mg/kg	0.017	0.056	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
2-Hexanone	<0.19	mg/kg	0.19	0.66	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
4-Chlorotoluene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.17	mg/kg	0.17	0.58	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Acetone	<0.38	mg/kg	0.38	1.2	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Benzene	<0.010	mg/kg	0.010	0.033	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Bromochloromethane	<0.016	mg/kg	0.016	0.055	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Bromodichloromethane	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Bromoform	<0.057	mg/kg	0.057	0.18	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Bromomethane	<0.085	mg/kg	0.085	0.28	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Carbon disulfide	<0.038	mg/kg	0.038	0.11	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Carbon tetrachloride	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C

CT LAB Sample#: 406795 Sample Description: 2-1-2'

Sampled: 04/10/2020 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chlorobenzene	<0.0095	mg/kg	0.0095	0.030	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Chloroethane	<0.028	mg/kg	0.028	0.11	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Chloroform	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Chloromethane	<0.028	mg/kg	0.028	0.095	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.026	mg/kg	0.026	0.085	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.013	mg/kg	0.013	0.045	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Dibromochloromethane	<0.038	mg/kg	0.038	0.13	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Dibromomethane	<0.020	mg/kg	0.020	0.066	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Dichlorodifluoromethane	<0.047	mg/kg	0.047	0.16	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Diisopropyl ether	<0.017	mg/kg	0.017	0.058	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Ethylbenzene	<0.010	mg/kg	0.010	0.033	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Hexachlorobutadiene	<0.022	mg/kg	0.022	0.074	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Isopropylbenzene	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
m & p-Xylene	<0.024	mg/kg	0.024	0.078	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Methylene chloride	<0.057	mg/kg	0.057	0.20	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
n-Butylbenzene	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
n-Propylbenzene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Naphthalene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
o-Xylene	<0.0066	mg/kg	0.0066	0.021	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
p-Isopropyltoluene	<0.012	mg/kg	0.012	0.042	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
sec-Butylbenzene	<0.010	mg/kg	0.010	0.033	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Styrene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
tert-Butylbenzene	<0.011	mg/kg	0.011	0.039	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Tetrachloroethene	<0.010	mg/kg	0.010	0.035	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C

CT LAB Sample#: 406795 Sample Description: 2-1-2'

Sampled: 04/10/2020 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Tetrahydrofuran	<0.24	mg/kg	0.24	0.79	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.013	mg/kg	0.013	0.045	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.038	mg/kg	0.038	0.11	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Trichloroethene	<0.018	mg/kg	0.018	0.059	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Trichlorofluoromethane	<0.038	mg/kg	0.038	0.11	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Vinyl acetate	<0.38	mg/kg	0.38	1.2	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C
Vinyl chloride	<0.018	mg/kg	0.018	0.061	1		04/15/2020 10:15	04/16/2020 12:50	RLD	EPA 8260C

Sub Lab Results

PFOS **attached** N/A N/A 1 05/20/2020 00:00 SUB

CT LAB Sample#: 406796 Sample Description: 2-AG'

Sampled: 04/10/2020 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	95.6	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.057	mg/kg	0.057	0.19	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.020	mg/kg	0.020	0.067	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,1-Dichloroethane	<0.0066	mg/kg	0.0066	0.022	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,1-Dichloroethene	<0.020	mg/kg	0.020	0.067	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,1-Dichloropropene	<0.026	mg/kg	0.026	0.085	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C

CT LAB Sample#: 406796 Sample Description: 2-AG'

Sampled: 04/10/2020 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichlorobenzene	<0.010	mg/kg	0.010	0.035	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.038	mg/kg	0.038	0.13	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.016	mg/kg	0.016	0.055	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.010	mg/kg	0.010	0.033	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.066	mg/kg	0.066	0.23	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,2-Dibromoethane	<0.010	mg/kg	0.010	0.036	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,2-Dichloroethane	<0.021	mg/kg	0.021	0.070	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,2-Dichloropropane	<0.025	mg/kg	0.025	0.081	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.012	mg/kg	0.012	0.042	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,3-Dichloropropane	<0.013	mg/kg	0.013	0.045	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.014	mg/kg	0.014	0.048	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
2,2-Dichloropropane	<0.020	mg/kg	0.020	0.066	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
2-Butanone	<0.38	mg/kg	0.38	1.1	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
2-Chlorotoluene	<0.017	mg/kg	0.017	0.056	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
2-Hexanone	<0.19	mg/kg	0.19	0.66	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
4-Chlorotoluene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.17	mg/kg	0.17	0.58	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Acetone	<0.38	mg/kg	0.38	1.2	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Benzene	<0.010	mg/kg	0.010	0.033	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Bromochloromethane	<0.016	mg/kg	0.016	0.055	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Bromodichloromethane	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Bromoform	<0.057	mg/kg	0.057	0.18	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C

CT LAB Sample#: 406796 Sample Description: 2-AG'

Sampled: 04/10/2020 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromomethane	<0.085	mg/kg	0.085	0.28	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Carbon disulfide	<0.038	mg/kg	0.038	0.11	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Carbon tetrachloride	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Chlorobenzene	<0.0095	mg/kg	0.0095	0.030	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Chloroethane	<0.028	mg/kg	0.028	0.11	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Chloroform	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Chloromethane	<0.028	mg/kg	0.028	0.095	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.026	mg/kg	0.026	0.085	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.013	mg/kg	0.013	0.045	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Dibromochloromethane	<0.038	mg/kg	0.038	0.13	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Dibromomethane	<0.020	mg/kg	0.020	0.066	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Dichlorodifluoromethane	<0.047	mg/kg	0.047	0.16	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Diisopropyl ether	<0.017	mg/kg	0.017	0.058	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Ethylbenzene	<0.010	mg/kg	0.010	0.033	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Hexachlorobutadiene	<0.022	mg/kg	0.022	0.074	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Isopropylbenzene	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
m & p-Xylene	<0.024	mg/kg	0.024	0.078	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Methylene chloride	<0.057	mg/kg	0.057	0.20	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
n-Butylbenzene	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
n-Propylbenzene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Naphthalene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
o-Xylene	<0.0066	mg/kg	0.0066	0.021	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
p-Isopropyltoluene	<0.012	mg/kg	0.012	0.042	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
sec-Butylbenzene	<0.010	mg/kg	0.010	0.033	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406796 Sample Description: 2-AG'

Sampled: 04/10/2020 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Styrene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
tert-Butylbenzene	<0.011	mg/kg	0.011	0.039	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Tetrachloroethene	<0.010	mg/kg	0.010	0.035	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Tetrahydrofuran	<0.24	mg/kg	0.24	0.78	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.038	mg/kg	0.038	0.11	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Trichloroethene	<0.018	mg/kg	0.018	0.059	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Trichlorofluoromethane	<0.038	mg/kg	0.038	0.11	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Vinyl acetate	<0.38	mg/kg	0.38	1.2	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C
Vinyl chloride	<0.018	mg/kg	0.018	0.061	1		04/15/2020 10:15	04/16/2020 13:18	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1			05/20/2020 00:00	SUB	
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CT LAB Sample#: 406797 Sample Description: 3-1-2'

Sampled: 04/10/2020 0920

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	80.6	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.058	mg/kg	0.058	0.19	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.020	mg/kg	0.020	0.068	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.012	mg/kg	0.012	0.038	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C

CT LAB Sample#: 406797 Sample Description: 3-1-2'

Sampled: 04/10/2020 0920

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethane	<0.0067	mg/kg	0.0067	0.022	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,1-Dichloroethene	<0.020	mg/kg	0.020	0.068	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,1-Dichloropropene	<0.026	mg/kg	0.026	0.086	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.038	mg/kg	0.038	0.13	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.016	mg/kg	0.016	0.056	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.067	mg/kg	0.067	0.23	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,2-Dibromoethane	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,2-Dichloroethane	<0.021	mg/kg	0.021	0.071	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,2-Dichloropropane	<0.025	mg/kg	0.025	0.083	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.012	mg/kg	0.012	0.042	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,3-Dichloropropane	<0.013	mg/kg	0.013	0.046	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.014	mg/kg	0.014	0.049	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
2,2-Dichloropropane	<0.020	mg/kg	0.020	0.067	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
2-Butanone	<0.38	mg/kg	0.38	1.2	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
2-Chlorotoluene	<0.017	mg/kg	0.017	0.057	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
2-Hexanone	<0.19	mg/kg	0.19	0.67	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
4-Chlorotoluene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.17	mg/kg	0.17	0.59	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Acetone	<0.38	mg/kg	0.38	1.2	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Benzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C

CT LAB Sample#: 406797 Sample Description: 3-1-2'

Sampled: 04/10/2020 0920

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromochloromethane	<0.016	mg/kg	0.016	0.056	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Bromodichloromethane	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Bromoform	<0.058	mg/kg	0.058	0.18	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Bromomethane	<0.086	mg/kg	0.086	0.29	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Carbon disulfide	<0.038	mg/kg	0.038	0.12	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Carbon tetrachloride	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Chlorobenzene	<0.0096	mg/kg	0.0096	0.031	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Chloroethane	<0.029	mg/kg	0.029	0.12	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Chloroform	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Chloromethane	<0.029	mg/kg	0.029	0.096	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.026	mg/kg	0.026	0.086	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.013	mg/kg	0.013	0.046	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Dibromochloromethane	<0.038	mg/kg	0.038	0.13	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Dibromomethane	<0.020	mg/kg	0.020	0.067	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Dichlorodifluoromethane	<0.048	mg/kg	0.048	0.16	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Diisopropyl ether	<0.017	mg/kg	0.017	0.059	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Ethylbenzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Hexachlorobutadiene	<0.022	mg/kg	0.022	0.075	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Isopropylbenzene	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
m & p-Xylene	<0.024	mg/kg	0.024	0.079	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Methylene chloride	<0.058	mg/kg	0.058	0.20	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
n-Butylbenzene	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
n-Propylbenzene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Naphthalene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C

CT LAB Sample#: 406797 Sample Description: 3-1-2'

Sampled: 04/10/2020 0920

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
o-Xylene	<0.0067	mg/kg	0.0067	0.021	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
p-Isopropyltoluene	<0.012	mg/kg	0.012	0.042	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
sec-Butylbenzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Styrene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
tert-Butylbenzene	<0.012	mg/kg	0.012	0.039	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Tetrachloroethene	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Tetrahydrofuran	<0.24	mg/kg	0.24	0.80	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.013	mg/kg	0.013	0.045	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.038	mg/kg	0.038	0.12	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Trichloroethene	<0.018	mg/kg	0.018	0.060	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Trichlorofluoromethane	<0.038	mg/kg	0.038	0.12	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Vinyl acetate	<0.38	mg/kg	0.38	1.2	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C
Vinyl chloride	<0.018	mg/kg	0.018	0.061	1		04/15/2020 10:15	04/16/2020 13:46	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1			05/20/2020 00:00	SUB	
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CT LAB Sample#: 406798 Sample Description: 3-AG

Sampled: 04/10/2020 0920

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	90.8	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.059	mg/kg	0.059	0.20	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C

CT LAB Sample#: 406798 Sample Description: 3-AG

Sampled: 04/10/2020 0920

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,1-Trichloroethane	<0.016	mg/kg	0.016	0.051	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.021	mg/kg	0.021	0.070	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,1-Dichloroethane	<0.0069	mg/kg	0.0069	0.023	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,1-Dichloroethene	<0.021	mg/kg	0.021	0.070	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,1-Dichloropropene	<0.027	mg/kg	0.027	0.089	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	mg/kg	0.040	0.14	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.017	mg/kg	0.017	0.057	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.069	mg/kg	0.069	0.24	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,2-Dibromoethane	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,2-Dichloroethane	<0.022	mg/kg	0.022	0.073	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,2-Dichloropropane	<0.026	mg/kg	0.026	0.085	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.014	mg/kg	0.014	0.044	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,3-Dichloropropane	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
2,2-Dichloropropane	<0.021	mg/kg	0.021	0.069	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
2-Butanone	<0.40	mg/kg	0.40	1.2	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
2-Chlorotoluene	<0.018	mg/kg	0.018	0.058	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
2-Hexanone	<0.20	mg/kg	0.20	0.69	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
4-Chlorotoluene	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.18	mg/kg	0.18	0.60	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406798 Sample Description: 3-AG

Sampled: 04/10/2020 0920

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<0.40	mg/kg	0.40	1.3	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Benzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Bromobenzene	<0.016	mg/kg	0.016	0.051	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Bromochloromethane	<0.017	mg/kg	0.017	0.057	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Bromodichloromethane	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Bromoform	<0.059	mg/kg	0.059	0.19	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Bromomethane	<0.089	mg/kg	0.089	0.30	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Carbon disulfide	<0.040	mg/kg	0.040	0.12	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Carbon tetrachloride	<0.014	mg/kg	0.014	0.044	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Chlorobenzene	<0.0099	mg/kg	0.0099	0.032	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Chloroethane	<0.030	mg/kg	0.030	0.12	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Chloroform	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Chloromethane	<0.030	mg/kg	0.030	0.099	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.027	mg/kg	0.027	0.089	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Dibromochloromethane	<0.040	mg/kg	0.040	0.14	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Dibromomethane	<0.021	mg/kg	0.021	0.069	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Dichlorodifluoromethane	<0.049	mg/kg	0.049	0.17	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Diisopropyl ether	<0.018	mg/kg	0.018	0.060	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Ethylbenzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Hexachlorobutadiene	<0.023	mg/kg	0.023	0.077	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Isopropylbenzene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
m & p-Xylene	<0.025	mg/kg	0.025	0.081	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Methyl tert-butyl ether	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Methylene chloride	<0.059	mg/kg	0.059	0.21	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C

CT LAB Sample#: 406798 Sample Description: 3-AG

Sampled: 04/10/2020 0920

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
n-Butylbenzene	<0.017	mg/kg	0.017	0.054	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
n-Propylbenzene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Naphthalene	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
o-Xylene	<0.0069	mg/kg	0.0069	0.022	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
p-Isopropyltoluene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
sec-Butylbenzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Styrene	<0.016	mg/kg	0.016	0.051	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
tert-Butylbenzene	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Tetrachloroethene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Tetrahydrofuran	<0.25	mg/kg	0.25	0.82	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Toluene	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.040	mg/kg	0.040	0.12	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Trichloroethene	<0.019	mg/kg	0.019	0.061	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Trichlorofluoromethane	<0.040	mg/kg	0.040	0.12	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Vinyl acetate	<0.40	mg/kg	0.40	1.3	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C
Vinyl chloride	<0.019	mg/kg	0.019	0.063	1		04/15/2020 10:15	04/16/2020 14:15	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1			05/20/2020 00:00	SUB	
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CT LAB Sample#: 406799 Sample Description: 4-1-2'

Sampled: 04/10/2020 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

CT LAB Sample#: 406799 Sample Description: 4-1-2'

Sampled: 04/10/2020 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Solids, Percent	82.5	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.043	mg/kg	0.043	0.14	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.0085	mg/kg	0.0085	0.028	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,1-Dichloroethane	<0.0050	mg/kg	0.0050	0.016	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,1-Dichloroethene	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,1-Dichloropropene	<0.019	mg/kg	0.019	0.064	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.0078	mg/kg	0.0078	0.026	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.028	mg/kg	0.028	0.10	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.0078	mg/kg	0.0078	0.025	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.050	mg/kg	0.050	0.17	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,2-Dibromoethane	<0.0078	mg/kg	0.0078	0.027	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,2-Dichloroethane	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,2-Dichloropropane	<0.019	mg/kg	0.019	0.061	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.0093	mg/kg	0.0093	0.031	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,3-Dichloropropane	<0.010	mg/kg	0.010	0.034	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
2,2-Dichloropropane	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
2-Butanone	<0.28	mg/kg	0.28	0.85	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
2-Chlorotoluene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406799 Sample Description: 4-1-2'

Sampled: 04/10/2020 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Hexanone	<0.14	mg/kg	0.14	0.50	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
4-Chlorotoluene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.13	mg/kg	0.13	0.43	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Acetone	<0.28	mg/kg	0.28	0.93	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Benzene	<0.0078	mg/kg	0.0078	0.025	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Bromobenzene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Bromochloromethane	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Bromodichloromethane	<0.010	mg/kg	0.010	0.033	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Bromoform	<0.043	mg/kg	0.043	0.14	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Bromomethane	<0.064	mg/kg	0.064	0.21	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Carbon disulfide	<0.028	mg/kg	0.028	0.085	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Carbon tetrachloride	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Chlorobenzene	<0.0071	mg/kg	0.0071	0.023	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Chloroethane	<0.021	mg/kg	0.021	0.085	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Chloroform	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Chloromethane	<0.021	mg/kg	0.021	0.071	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.019	mg/kg	0.019	0.064	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.010	mg/kg	0.010	0.034	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Dibromochloromethane	<0.028	mg/kg	0.028	0.10	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Dibromomethane	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Dichlorodifluoromethane	<0.036	mg/kg	0.036	0.12	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Diisopropyl ether	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Ethylbenzene	<0.0078	mg/kg	0.0078	0.025	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Hexachlorobutadiene	<0.016	mg/kg	0.016	0.056	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Isopropylbenzene	<0.0093	mg/kg	0.0093	0.031	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C

CT LAB Sample#: 406799 Sample Description: 4-1-2'

Sampled: 04/10/2020 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
m & p-Xylene	<0.018	mg/kg	0.018	0.058	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Methyl tert-butyl ether	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Methylene chloride	<0.043	mg/kg	0.043	0.15	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
n-Butylbenzene	<0.012	mg/kg	0.012	0.039	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
n-Propylbenzene	<0.0093	mg/kg	0.0093	0.030	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Naphthalene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
o-Xylene	<0.0050	mg/kg	0.0050	0.016	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
p-Isopropyltoluene	<0.0093	mg/kg	0.0093	0.031	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
sec-Butylbenzene	<0.0078	mg/kg	0.0078	0.025	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Styrene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
tert-Butylbenzene	<0.0085	mg/kg	0.0085	0.029	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Tetrachloroethene	<0.0078	mg/kg	0.0078	0.026	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Tetrahydrofuran	<0.18	mg/kg	0.18	0.59	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Toluene	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.010	mg/kg	0.010	0.033	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.028	mg/kg	0.028	0.085	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Trichloroethene	<0.014	mg/kg	0.014	0.044	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Trichlorofluoromethane	<0.028	mg/kg	0.028	0.085	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Vinyl acetate	<0.28	mg/kg	0.28	0.93	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C
Vinyl chloride	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 16:54	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1			05/20/2020 00:00	SUB	
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CT LAB Sample#: 406800 Sample Description: 4-AG

Sampled: 04/10/2020 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	90.5	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.055	mg/kg	0.055	0.18	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.047	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.019	mg/kg	0.019	0.065	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,1-Dichloroethane	<0.0064	mg/kg	0.0064	0.021	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,1-Dichloroethene	<0.019	mg/kg	0.019	0.065	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,1-Dichloropropene	<0.025	mg/kg	0.025	0.082	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.010	mg/kg	0.010	0.034	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.036	mg/kg	0.036	0.13	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.015	mg/kg	0.015	0.053	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.064	mg/kg	0.064	0.22	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,2-Dibromoethane	<0.010	mg/kg	0.010	0.035	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,2-Dichloroethane	<0.020	mg/kg	0.020	0.067	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,2-Dichloropropane	<0.024	mg/kg	0.024	0.078	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	mg/kg	0.013	0.041	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,3-Dichloropropane	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
2,2-Dichloropropane	<0.019	mg/kg	0.019	0.064	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C

CT LAB Sample#: 406800 Sample Description: 4-AG

Sampled: 04/10/2020 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Butanone	<0.36	mg/kg	0.36	1.1	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
2-Chlorotoluene	<0.016	mg/kg	0.016	0.054	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
2-Hexanone	<0.18	mg/kg	0.18	0.64	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
4-Chlorotoluene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.16	mg/kg	0.16	0.55	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Acetone	<0.36	mg/kg	0.36	1.2	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Benzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.047	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Bromochloromethane	<0.015	mg/kg	0.015	0.053	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Bromodichloromethane	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Bromoform	<0.055	mg/kg	0.055	0.17	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Bromomethane	<0.082	mg/kg	0.082	0.27	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Carbon disulfide	<0.036	mg/kg	0.036	0.11	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Carbon tetrachloride	<0.013	mg/kg	0.013	0.041	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Chlorobenzene	<0.0091	mg/kg	0.0091	0.029	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Chloroethane	<0.027	mg/kg	0.027	0.11	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Chloroform	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Chloromethane	<0.027	mg/kg	0.027	0.091	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.025	mg/kg	0.025	0.082	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Dibromochloromethane	<0.036	mg/kg	0.036	0.13	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Dibromomethane	<0.019	mg/kg	0.019	0.064	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Dichlorodifluoromethane	<0.045	mg/kg	0.045	0.15	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Diisopropyl ether	<0.016	mg/kg	0.016	0.055	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Ethylbenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C

CT LAB Sample#: 406800 Sample Description: 4-AG

Sampled: 04/10/2020 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Hexachlorobutadiene	<0.021	mg/kg	0.021	0.071	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Isopropylbenzene	<0.012	mg/kg	0.012	0.039	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
m & p-Xylene	<0.023	mg/kg	0.023	0.075	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Methylene chloride	<0.055	mg/kg	0.055	0.19	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
n-Butylbenzene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
n-Propylbenzene	<0.012	mg/kg	0.012	0.038	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Naphthalene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
o-Xylene	<0.0064	mg/kg	0.0064	0.020	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
p-Isopropyltoluene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
sec-Butylbenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Styrene	<0.015	mg/kg	0.015	0.047	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
tert-Butylbenzene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Tetrachloroethene	<0.010	mg/kg	0.010	0.034	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Tetrahydrofuran	<0.23	mg/kg	0.23	0.75	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.036	mg/kg	0.036	0.11	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Trichloroethene	<0.017	mg/kg	0.017	0.056	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Trichlorofluoromethane	<0.036	mg/kg	0.036	0.11	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Vinyl acetate	<0.36	mg/kg	0.36	1.2	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C
Vinyl chloride	<0.017	mg/kg	0.017	0.058	1		04/15/2020 10:15	04/16/2020 17:22	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020 00:00		SUB	
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CT LAB Sample#: 406801 Sample Description: 5-1-2'

Sampled: 04/10/2020 1055

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	81.6	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.059	mg/kg	0.059	0.20	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.016	mg/kg	0.016	0.051	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.021	mg/kg	0.021	0.070	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.012	mg/kg	0.012	0.039	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,1-Dichloroethane	<0.0069	mg/kg	0.0069	0.023	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,1-Dichloroethene	<0.021	mg/kg	0.021	0.070	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,1-Dichloropropene	<0.027	mg/kg	0.027	0.089	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.039	mg/kg	0.039	0.14	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.017	mg/kg	0.017	0.057	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.069	mg/kg	0.069	0.24	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,2-Dibromoethane	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,2-Dichloroethane	<0.022	mg/kg	0.022	0.073	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,2-Dichloropropane	<0.026	mg/kg	0.026	0.085	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.014	mg/kg	0.014	0.044	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,3-Dichloropropane	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
2,2-Dichloropropane	<0.021	mg/kg	0.021	0.069	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406801 Sample Description: 5-1-2'

Sampled: 04/10/2020 1055

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Butanone	<0.39	mg/kg	0.39	1.2	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
2-Chlorotoluene	<0.018	mg/kg	0.018	0.058	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
2-Hexanone	<0.20	mg/kg	0.20	0.69	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
4-Chlorotoluene	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.18	mg/kg	0.18	0.60	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Acetone	<0.39	mg/kg	0.39	1.3	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Benzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Bromobenzene	<0.016	mg/kg	0.016	0.051	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Bromochloromethane	<0.017	mg/kg	0.017	0.057	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Bromodichloromethane	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Bromoform	<0.059	mg/kg	0.059	0.19	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Bromomethane	<0.089	mg/kg	0.089	0.30	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Carbon disulfide	<0.039	mg/kg	0.039	0.12	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Carbon tetrachloride	<0.014	mg/kg	0.014	0.044	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Chlorobenzene	<0.0098	mg/kg	0.0098	0.031	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Chloroethane	<0.030	mg/kg	0.030	0.12	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Chloroform	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Chloromethane	<0.030	mg/kg	0.030	0.098	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.027	mg/kg	0.027	0.089	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Dibromochloromethane	<0.039	mg/kg	0.039	0.14	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Dibromomethane	<0.021	mg/kg	0.021	0.069	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Dichlorodifluoromethane	<0.049	mg/kg	0.049	0.17	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Diisopropyl ether	<0.018	mg/kg	0.018	0.060	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Ethylbenzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406801 Sample Description: 5-1-2'

Sampled: 04/10/2020 1055

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Hexachlorobutadiene	<0.023	mg/kg	0.023	0.077	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Isopropylbenzene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
m & p-Xylene	<0.025	mg/kg	0.025	0.081	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Methyl tert-butyl ether	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Methylene chloride	<0.059	mg/kg	0.059	0.21	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
n-Butylbenzene	<0.017	mg/kg	0.017	0.054	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
n-Propylbenzene	<0.013	mg/kg	0.013	0.041	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Naphthalene	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
o-Xylene	<0.0069	mg/kg	0.0069	0.022	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
p-Isopropyltoluene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
sec-Butylbenzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Styrene	<0.016	mg/kg	0.016	0.051	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
tert-Butylbenzene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Tetrachloroethene	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Tetrahydrofuran	<0.25	mg/kg	0.25	0.82	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Toluene	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.039	mg/kg	0.039	0.12	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Trichloroethene	<0.019	mg/kg	0.019	0.061	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Trichlorofluoromethane	<0.039	mg/kg	0.039	0.12	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Vinyl acetate	<0.39	mg/kg	0.39	1.3	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C
Vinyl chloride	<0.019	mg/kg	0.019	0.063	1		04/15/2020 10:15	04/16/2020 17:50	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020 00:00	SUB
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CT LAB Sample#: 406802 Sample Description: 5-AG

Sampled: 04/10/2020 1055

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	93.7	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.058	mg/kg	0.058	0.19	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.020	mg/kg	0.020	0.069	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.012	mg/kg	0.012	0.039	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,1-Dichloroethane	<0.0068	mg/kg	0.0068	0.022	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,1-Dichloroethene	<0.020	mg/kg	0.020	0.069	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,1-Dichloropropene	<0.026	mg/kg	0.026	0.087	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.039	mg/kg	0.039	0.14	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.016	mg/kg	0.016	0.056	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.068	mg/kg	0.068	0.23	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,2-Dibromoethane	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,2-Dichloroethane	<0.021	mg/kg	0.021	0.071	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,2-Dichloropropane	<0.025	mg/kg	0.025	0.083	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.014	mg/kg	0.014	0.043	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,3-Dichloropropane	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.014	mg/kg	0.014	0.049	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
2,2-Dichloropropane	<0.020	mg/kg	0.020	0.068	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406802 Sample Description: 5-AG

Sampled: 04/10/2020 1055

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Butanone	<0.39	mg/kg	0.39	1.2	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
2-Chlorotoluene	<0.017	mg/kg	0.017	0.057	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
2-Hexanone	<0.19	mg/kg	0.19	0.68	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
4-Chlorotoluene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.17	mg/kg	0.17	0.59	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Acetone	<0.39	mg/kg	0.39	1.3	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Benzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Bromochloromethane	<0.016	mg/kg	0.016	0.056	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Bromodichloromethane	<0.014	mg/kg	0.014	0.044	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Bromoform	<0.058	mg/kg	0.058	0.18	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Bromomethane	<0.087	mg/kg	0.087	0.29	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Carbon disulfide	<0.039	mg/kg	0.039	0.12	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Carbon tetrachloride	<0.014	mg/kg	0.014	0.043	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Chlorobenzene	<0.0096	mg/kg	0.0096	0.031	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Chloroethane	<0.029	mg/kg	0.029	0.12	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Chloroform	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Chloromethane	<0.029	mg/kg	0.029	0.096	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.026	mg/kg	0.026	0.087	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Dibromochloromethane	<0.039	mg/kg	0.039	0.14	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Dibromomethane	<0.020	mg/kg	0.020	0.068	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Dichlorodifluoromethane	<0.048	mg/kg	0.048	0.16	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Diisopropyl ether	<0.017	mg/kg	0.017	0.059	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Ethylbenzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C

CT LAB Sample#: 406802 Sample Description: 5-AG

Sampled: 04/10/2020 1055

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Hexachlorobutadiene	<0.022	mg/kg	0.022	0.075	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Isopropylbenzene	<0.013	mg/kg	0.013	0.041	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
m & p-Xylene	<0.024	mg/kg	0.024	0.079	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Methylene chloride	<0.058	mg/kg	0.058	0.20	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
n-Butylbenzene	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
n-Propylbenzene	<0.013	mg/kg	0.013	0.041	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Naphthalene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
o-Xylene	<0.0068	mg/kg	0.0068	0.021	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
p-Isopropyltoluene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
sec-Butylbenzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Styrene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
tert-Butylbenzene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Tetrachloroethene	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Tetrahydrofuran	<0.24	mg/kg	0.24	0.80	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.039	mg/kg	0.039	0.12	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Trichloroethene	<0.018	mg/kg	0.018	0.060	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Trichlorofluoromethane	<0.039	mg/kg	0.039	0.12	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Vinyl acetate	<0.39	mg/kg	0.39	1.3	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C
Vinyl chloride	<0.018	mg/kg	0.018	0.062	1		04/15/2020 10:15	04/16/2020 18:18	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020 00:00	SUB
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CT LAB Sample#: 406804 Sample Description: 6-1-2'

Sampled: 04/10/2020 1140

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	95.1	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.057	mg/kg	0.057	0.19	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.020	mg/kg	0.020	0.067	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,1-Dichloroethane	<0.0066	mg/kg	0.0066	0.022	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,1-Dichloroethene	<0.020	mg/kg	0.020	0.067	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,1-Dichloropropene	<0.025	mg/kg	0.025	0.085	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.010	mg/kg	0.010	0.035	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.038	mg/kg	0.038	0.13	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.016	mg/kg	0.016	0.055	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.010	mg/kg	0.010	0.033	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.066	mg/kg	0.066	0.23	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,2-Dibromoethane	<0.010	mg/kg	0.010	0.036	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,2-Dichloroethane	<0.021	mg/kg	0.021	0.070	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,2-Dichloropropane	<0.025	mg/kg	0.025	0.081	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.012	mg/kg	0.012	0.042	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,3-Dichloropropane	<0.013	mg/kg	0.013	0.045	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.014	mg/kg	0.014	0.048	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
2,2-Dichloropropane	<0.020	mg/kg	0.020	0.066	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406804 Sample Description: 6-1-2'

Sampled: 04/10/2020 1140

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Butanone	<0.38	mg/kg	0.38	1.1	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
2-Chlorotoluene	<0.017	mg/kg	0.017	0.056	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
2-Hexanone	<0.19	mg/kg	0.19	0.66	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
4-Chlorotoluene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.17	mg/kg	0.17	0.58	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Acetone	<0.38	mg/kg	0.38	1.2	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Benzene	<0.010	mg/kg	0.010	0.033	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Bromochloromethane	<0.016	mg/kg	0.016	0.055	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Bromodichloromethane	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Bromoform	<0.057	mg/kg	0.057	0.18	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Bromomethane	<0.085	mg/kg	0.085	0.28	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Carbon disulfide	<0.038	mg/kg	0.038	0.11	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Carbon tetrachloride	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Chlorobenzene	<0.0094	mg/kg	0.0094	0.030	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Chloroethane	<0.028	mg/kg	0.028	0.11	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Chloroform	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Chloromethane	<0.028	mg/kg	0.028	0.094	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.025	mg/kg	0.025	0.085	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.013	mg/kg	0.013	0.045	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Dibromochloromethane	<0.038	mg/kg	0.038	0.13	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Dibromomethane	<0.020	mg/kg	0.020	0.066	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Dichlorodifluoromethane	<0.047	mg/kg	0.047	0.16	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Diisopropyl ether	<0.017	mg/kg	0.017	0.058	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Ethylbenzene	<0.010	mg/kg	0.010	0.033	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C

CT LAB Sample#: 406804 Sample Description: 6-1-2'

Sampled: 04/10/2020 1140

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Hexachlorobutadiene	<0.022	mg/kg	0.022	0.074	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Isopropylbenzene	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
m & p-Xylene	<0.024	mg/kg	0.024	0.077	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Methylene chloride	<0.057	mg/kg	0.057	0.20	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
n-Butylbenzene	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
n-Propylbenzene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Naphthalene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
o-Xylene	<0.0066	mg/kg	0.0066	0.021	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
p-Isopropyltoluene	<0.012	mg/kg	0.012	0.042	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
sec-Butylbenzene	<0.010	mg/kg	0.010	0.033	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Styrene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
tert-Butylbenzene	<0.011	mg/kg	0.011	0.039	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Tetrachloroethene	<0.010	mg/kg	0.010	0.035	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Tetrahydrofuran	<0.24	mg/kg	0.24	0.78	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.038	mg/kg	0.038	0.11	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Trichloroethene	<0.018	mg/kg	0.018	0.059	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Trichlorofluoromethane	<0.038	mg/kg	0.038	0.11	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Vinyl acetate	<0.38	mg/kg	0.38	1.2	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C
Vinyl chloride	<0.018	mg/kg	0.018	0.060	1		04/15/2020 10:15	04/16/2020 18:46	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020 00:00	SUB
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CT LAB Sample#: 406805 Sample Description: 6-AG

Sampled: 04/10/2020 1140

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	96.3	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.051	mg/kg	0.051	0.17	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.014	mg/kg	0.014	0.044	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.018	mg/kg	0.018	0.061	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.010	mg/kg	0.010	0.034	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,1-Dichloroethane	<0.0060	mg/kg	0.0060	0.020	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,1-Dichloroethene	<0.018	mg/kg	0.018	0.061	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,1-Dichloropropene	<0.023	mg/kg	0.023	0.077	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.0094	mg/kg	0.0094	0.032	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.034	mg/kg	0.034	0.12	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.0094	mg/kg	0.0094	0.030	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.060	mg/kg	0.060	0.20	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,2-Dibromoethane	<0.0094	mg/kg	0.0094	0.032	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,2-Dichloroethane	<0.019	mg/kg	0.019	0.063	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,2-Dichloropropane	<0.022	mg/kg	0.022	0.073	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.012	mg/kg	0.012	0.038	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,3-Dichloropropane	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
2,2-Dichloropropane	<0.018	mg/kg	0.018	0.060	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406805 Sample Description: 6-AG

Sampled: 04/10/2020 1140

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Butanone	<0.34	mg/kg	0.34	1.0	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
2-Chlorotoluene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
2-Hexanone	<0.17	mg/kg	0.17	0.60	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
4-Chlorotoluene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.15	mg/kg	0.15	0.52	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Acetone	<0.34	mg/kg	0.34	1.1	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Benzene	<0.0094	mg/kg	0.0094	0.030	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Bromobenzene	<0.014	mg/kg	0.014	0.044	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Bromochloromethane	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Bromodichloromethane	<0.012	mg/kg	0.012	0.039	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Bromoform	<0.051	mg/kg	0.051	0.16	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Bromomethane	<0.077	mg/kg	0.077	0.26	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Carbon disulfide	<0.034	mg/kg	0.034	0.10	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Carbon tetrachloride	<0.012	mg/kg	0.012	0.038	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Chlorobenzene	<0.0085	mg/kg	0.0085	0.027	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Chloroethane	<0.026	mg/kg	0.026	0.10	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Chloroform	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Chloromethane	<0.026	mg/kg	0.026	0.085	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	mg/kg	0.023	0.077	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Dibromochloromethane	<0.034	mg/kg	0.034	0.12	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Dibromomethane	<0.018	mg/kg	0.018	0.060	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Dichlorodifluoromethane	<0.043	mg/kg	0.043	0.15	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Diisopropyl ether	<0.015	mg/kg	0.015	0.052	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Ethylbenzene	<0.0094	mg/kg	0.0094	0.030	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C

CT LAB Sample#: 406805 Sample Description: 6-AG

Sampled: 04/10/2020 1140

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Hexachlorobutadiene	<0.020	mg/kg	0.020	0.067	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Isopropylbenzene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
m & p-Xylene	<0.021	mg/kg	0.021	0.070	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Methylene chloride	<0.051	mg/kg	0.051	0.18	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
n-Butylbenzene	<0.015	mg/kg	0.015	0.047	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
n-Propylbenzene	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Naphthalene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
o-Xylene	<0.0060	mg/kg	0.0060	0.019	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
p-Isopropyltoluene	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
sec-Butylbenzene	<0.0094	mg/kg	0.0094	0.030	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Styrene	<0.014	mg/kg	0.014	0.044	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
tert-Butylbenzene	<0.010	mg/kg	0.010	0.035	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Tetrachloroethene	<0.0094	mg/kg	0.0094	0.032	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Tetrahydrofuran	<0.21	mg/kg	0.21	0.71	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Toluene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.034	mg/kg	0.034	0.10	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Trichloroethene	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Trichlorofluoromethane	<0.034	mg/kg	0.034	0.10	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Vinyl acetate	<0.34	mg/kg	0.34	1.1	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C
Vinyl chloride	<0.016	mg/kg	0.016	0.055	1		04/15/2020 10:15	04/16/2020 19:14	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020 00:00	SUB
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CT LAB Sample#: 406806 Sample Description: 7-1-2'

Sampled: 04/10/2020 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	86.2	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.058	mg/kg	0.058	0.19	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.020	mg/kg	0.020	0.069	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.012	mg/kg	0.012	0.039	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,1-Dichloroethane	<0.0068	mg/kg	0.0068	0.022	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,1-Dichloroethene	<0.020	mg/kg	0.020	0.069	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,1-Dichloropropene	<0.026	mg/kg	0.026	0.087	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.039	mg/kg	0.039	0.14	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.016	mg/kg	0.016	0.056	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.068	mg/kg	0.068	0.23	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,2-Dibromoethane	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,2-Dichloroethane	<0.021	mg/kg	0.021	0.071	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,2-Dichloropropane	<0.025	mg/kg	0.025	0.083	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.014	mg/kg	0.014	0.043	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,3-Dichloropropane	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.014	mg/kg	0.014	0.049	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
2,2-Dichloropropane	<0.020	mg/kg	0.020	0.068	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406806 Sample Description: 7-1-2'

Sampled: 04/10/2020 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Butanone	<0.39	mg/kg	0.39	1.2	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
2-Chlorotoluene	<0.017	mg/kg	0.017	0.057	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
2-Hexanone	<0.19	mg/kg	0.19	0.68	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
4-Chlorotoluene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.17	mg/kg	0.17	0.59	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Acetone	<0.39	mg/kg	0.39	1.3	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Benzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Bromochloromethane	<0.016	mg/kg	0.016	0.056	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Bromodichloromethane	<0.014	mg/kg	0.014	0.044	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Bromoform	<0.058	mg/kg	0.058	0.18	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Bromomethane	<0.087	mg/kg	0.087	0.29	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Carbon disulfide	<0.039	mg/kg	0.039	0.12	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Carbon tetrachloride	<0.014	mg/kg	0.014	0.043	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Chlorobenzene	<0.0097	mg/kg	0.0097	0.031	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Chloroethane	<0.029	mg/kg	0.029	0.12	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Chloroform	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Chloromethane	<0.029	mg/kg	0.029	0.097	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.026	mg/kg	0.026	0.087	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Dibromochloromethane	<0.039	mg/kg	0.039	0.14	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Dibromomethane	<0.020	mg/kg	0.020	0.068	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Dichlorodifluoromethane	<0.048	mg/kg	0.048	0.16	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Diisopropyl ether	<0.017	mg/kg	0.017	0.059	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Ethylbenzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406806 Sample Description: 7-1-2'

Sampled: 04/10/2020 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Hexachlorobutadiene	<0.022	mg/kg	0.022	0.075	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Isopropylbenzene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
m & p-Xylene	<0.024	mg/kg	0.024	0.079	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Methylene chloride	<0.058	mg/kg	0.058	0.20	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
n-Butylbenzene	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
n-Propylbenzene	<0.013	mg/kg	0.013	0.041	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Naphthalene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
o-Xylene	<0.0068	mg/kg	0.0068	0.021	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
p-Isopropyltoluene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
sec-Butylbenzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Styrene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
tert-Butylbenzene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Tetrachloroethene	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Tetrahydrofuran	<0.24	mg/kg	0.24	0.80	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.039	mg/kg	0.039	0.12	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Trichloroethene	<0.018	mg/kg	0.018	0.060	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Trichlorofluoromethane	<0.039	mg/kg	0.039	0.12	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Vinyl acetate	<0.39	mg/kg	0.39	1.3	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C
Vinyl chloride	<0.018	mg/kg	0.018	0.062	1		04/15/2020 10:15	04/16/2020 19:43	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020 00:00	SUB
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CT LAB Sample#: 406807 Sample Description: 7-AG

Sampled: 04/10/2020 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	87.3	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.055	mg/kg	0.055	0.18	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.047	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.019	mg/kg	0.019	0.065	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,1-Dichloroethane	<0.0064	mg/kg	0.0064	0.021	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,1-Dichloroethene	<0.019	mg/kg	0.019	0.065	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,1-Dichloropropene	<0.025	mg/kg	0.025	0.082	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.010	mg/kg	0.010	0.034	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.036	mg/kg	0.036	0.13	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.064	mg/kg	0.064	0.22	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,2-Dibromoethane	<0.010	mg/kg	0.010	0.035	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,2-Dichloroethane	<0.020	mg/kg	0.020	0.067	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,2-Dichloropropane	<0.024	mg/kg	0.024	0.078	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	mg/kg	0.013	0.041	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,3-Dichloropropane	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
2,2-Dichloropropane	<0.019	mg/kg	0.019	0.064	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C

CT LAB Sample#: 406807 Sample Description: 7-AG

Sampled: 04/10/2020 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Butanone	<0.36	mg/kg	0.36	1.1	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
2-Chlorotoluene	<0.016	mg/kg	0.016	0.054	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
2-Hexanone	<0.18	mg/kg	0.18	0.64	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
4-Chlorotoluene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.16	mg/kg	0.16	0.56	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Acetone	<0.36	mg/kg	0.36	1.2	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Benzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.047	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Bromochloromethane	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Bromodichloromethane	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Bromoform	<0.055	mg/kg	0.055	0.17	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Bromomethane	<0.082	mg/kg	0.082	0.27	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Carbon disulfide	<0.036	mg/kg	0.036	0.11	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Carbon tetrachloride	<0.013	mg/kg	0.013	0.041	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Chlorobenzene	<0.0091	mg/kg	0.0091	0.029	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Chloroethane	<0.027	mg/kg	0.027	0.11	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Chloroform	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Chloromethane	<0.027	mg/kg	0.027	0.091	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.025	mg/kg	0.025	0.082	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Dibromochloromethane	<0.036	mg/kg	0.036	0.13	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Dibromomethane	<0.019	mg/kg	0.019	0.064	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Dichlorodifluoromethane	<0.046	mg/kg	0.046	0.16	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Diisopropyl ether	<0.016	mg/kg	0.016	0.056	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Ethylbenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C

CT LAB Sample#: 406807 Sample Description: 7-AG

Sampled: 04/10/2020 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Hexachlorobutadiene	<0.021	mg/kg	0.021	0.071	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Isopropylbenzene	<0.012	mg/kg	0.012	0.039	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
m & p-Xylene	<0.023	mg/kg	0.023	0.075	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Methylene chloride	<0.055	mg/kg	0.055	0.19	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
n-Butylbenzene	<0.016	mg/kg	0.016	0.050	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
n-Propylbenzene	<0.012	mg/kg	0.012	0.038	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Naphthalene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
o-Xylene	<0.0064	mg/kg	0.0064	0.020	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
p-Isopropyltoluene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
sec-Butylbenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Styrene	<0.015	mg/kg	0.015	0.047	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
tert-Butylbenzene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Tetrachloroethene	<0.010	mg/kg	0.010	0.034	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Tetrahydrofuran	<0.23	mg/kg	0.23	0.76	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.036	mg/kg	0.036	0.11	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Trichloroethene	<0.017	mg/kg	0.017	0.057	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Trichlorofluoromethane	<0.036	mg/kg	0.036	0.11	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Vinyl acetate	<0.36	mg/kg	0.36	1.2	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C
Vinyl chloride	<0.017	mg/kg	0.017	0.058	1		04/15/2020 10:15	04/16/2020 20:11	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020 00:00	SUB
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CT LAB Sample#: 406808 Sample Description: 8-1-2'

Sampled: 04/10/2020 1220

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	93.3	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.051	mg/kg	0.051	0.17	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.014	mg/kg	0.014	0.044	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.018	mg/kg	0.018	0.060	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.010	mg/kg	0.010	0.034	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,1-Dichloroethane	<0.0059	mg/kg	0.0059	0.019	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,1-Dichloroethene	<0.018	mg/kg	0.018	0.060	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,1-Dichloropropene	<0.023	mg/kg	0.023	0.076	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.0093	mg/kg	0.0093	0.031	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.034	mg/kg	0.034	0.12	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.014	mg/kg	0.014	0.049	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.0093	mg/kg	0.0093	0.030	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.059	mg/kg	0.059	0.20	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,2-Dibromoethane	<0.0093	mg/kg	0.0093	0.032	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.013	mg/kg	0.013	0.041	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,2-Dichloroethane	<0.019	mg/kg	0.019	0.062	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,2-Dichloropropane	<0.022	mg/kg	0.022	0.073	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.012	mg/kg	0.012	0.038	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,3-Dichloropropane	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
2,2-Dichloropropane	<0.018	mg/kg	0.018	0.059	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C

CT LAB Sample#: 406808 Sample Description: 8-1-2'

Sampled: 04/10/2020 1220

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Butanone	<0.34	mg/kg	0.34	1.0	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
2-Chlorotoluene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
2-Hexanone	<0.17	mg/kg	0.17	0.59	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
4-Chlorotoluene	<0.013	mg/kg	0.013	0.041	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.15	mg/kg	0.15	0.51	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Acetone	<0.34	mg/kg	0.34	1.1	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Benzene	<0.0093	mg/kg	0.0093	0.030	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Bromobenzene	<0.014	mg/kg	0.014	0.044	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Bromochloromethane	<0.014	mg/kg	0.014	0.049	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Bromodichloromethane	<0.012	mg/kg	0.012	0.039	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Bromoform	<0.051	mg/kg	0.051	0.16	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Bromomethane	<0.076	mg/kg	0.076	0.25	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Carbon disulfide	<0.034	mg/kg	0.034	0.10	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Carbon tetrachloride	<0.012	mg/kg	0.012	0.038	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Chlorobenzene	<0.0084	mg/kg	0.0084	0.027	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Chloroethane	<0.025	mg/kg	0.025	0.10	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Chloroform	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Chloromethane	<0.025	mg/kg	0.025	0.084	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	mg/kg	0.023	0.076	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Dibromochloromethane	<0.034	mg/kg	0.034	0.12	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Dibromomethane	<0.018	mg/kg	0.018	0.059	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Dichlorodifluoromethane	<0.042	mg/kg	0.042	0.14	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Diisopropyl ether	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Ethylbenzene	<0.0093	mg/kg	0.0093	0.030	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406808 Sample Description: 8-1-2'

Sampled: 04/10/2020 1220

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Hexachlorobutadiene	<0.019	mg/kg	0.019	0.066	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Isopropylbenzene	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
m & p-Xylene	<0.021	mg/kg	0.021	0.069	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Methylene chloride	<0.051	mg/kg	0.051	0.18	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
n-Butylbenzene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
n-Propylbenzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Naphthalene	<0.013	mg/kg	0.013	0.041	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
o-Xylene	<0.0059	mg/kg	0.0059	0.019	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
p-Isopropyltoluene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
sec-Butylbenzene	<0.0093	mg/kg	0.0093	0.030	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Styrene	<0.014	mg/kg	0.014	0.044	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
tert-Butylbenzene	<0.010	mg/kg	0.010	0.035	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Tetrachloroethene	<0.0093	mg/kg	0.0093	0.031	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Tetrahydrofuran	<0.21	mg/kg	0.21	0.70	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Toluene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.034	mg/kg	0.034	0.10	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Trichloroethene	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Trichlorofluoromethane	<0.034	mg/kg	0.034	0.10	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Vinyl acetate	<0.34	mg/kg	0.34	1.1	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C
Vinyl chloride	<0.016	mg/kg	0.016	0.054	1		04/15/2020 10:15	04/16/2020 20:39	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020 00:00	SUB
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CT LAB Sample#: 406809 Sample Description: 8-AG

Sampled: 04/10/2020 1220

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	94.2	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.049	mg/kg	0.049	0.16	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	mg/kg	0.017	0.058	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.0098	mg/kg	0.0098	0.033	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,1-Dichloroethane	<0.0057	mg/kg	0.0057	0.019	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,1-Dichloroethene	<0.017	mg/kg	0.017	0.058	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,1-Dichloropropene	<0.022	mg/kg	0.022	0.074	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.0090	mg/kg	0.0090	0.030	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.033	mg/kg	0.033	0.11	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.014	mg/kg	0.014	0.048	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.0090	mg/kg	0.0090	0.029	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.057	mg/kg	0.057	0.20	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,2-Dibromoethane	<0.0090	mg/kg	0.0090	0.031	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,2-Dichloroethane	<0.018	mg/kg	0.018	0.061	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,2-Dichloropropane	<0.021	mg/kg	0.021	0.070	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,3-Dichloropropane	<0.011	mg/kg	0.011	0.039	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.012	mg/kg	0.012	0.042	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
2,2-Dichloropropane	<0.017	mg/kg	0.017	0.057	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406809 Sample Description: 8-AG

Sampled: 04/10/2020 1220

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Butanone	<0.33	mg/kg	0.33	0.98	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
2-Chlorotoluene	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
2-Hexanone	<0.16	mg/kg	0.16	0.57	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
4-Chlorotoluene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.15	mg/kg	0.15	0.50	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Acetone	<0.33	mg/kg	0.33	1.1	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Benzene	<0.0090	mg/kg	0.0090	0.029	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Bromobenzene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Bromochloromethane	<0.014	mg/kg	0.014	0.048	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Bromodichloromethane	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Bromoform	<0.049	mg/kg	0.049	0.16	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Bromomethane	<0.074	mg/kg	0.074	0.25	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Carbon disulfide	<0.033	mg/kg	0.033	0.098	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Carbon tetrachloride	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Chlorobenzene	<0.0082	mg/kg	0.0082	0.026	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Chloroethane	<0.025	mg/kg	0.025	0.098	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Chloroform	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Chloromethane	<0.025	mg/kg	0.025	0.082	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.022	mg/kg	0.022	0.074	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	mg/kg	0.011	0.039	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Dibromochloromethane	<0.033	mg/kg	0.033	0.11	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Dibromomethane	<0.017	mg/kg	0.017	0.057	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Dichlorodifluoromethane	<0.041	mg/kg	0.041	0.14	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Diisopropyl ether	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Ethylbenzene	<0.0090	mg/kg	0.0090	0.029	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C

CT LAB Sample#: 406809 Sample Description: 8-AG

Sampled: 04/10/2020 1220

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Hexachlorobutadiene	<0.019	mg/kg	0.019	0.064	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Isopropylbenzene	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
m & p-Xylene	<0.020	mg/kg	0.020	0.067	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Methyl tert-butyl ether	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Methylene chloride	<0.049	mg/kg	0.049	0.17	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
n-Butylbenzene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
n-Propylbenzene	<0.011	mg/kg	0.011	0.034	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Naphthalene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
o-Xylene	<0.0057	mg/kg	0.0057	0.018	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
p-Isopropyltoluene	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
sec-Butylbenzene	<0.0090	mg/kg	0.0090	0.029	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Styrene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
tert-Butylbenzene	<0.0098	mg/kg	0.0098	0.034	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Tetrachloroethene	<0.0090	mg/kg	0.0090	0.030	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Tetrahydrofuran	<0.20	mg/kg	0.20	0.68	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Toluene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.033	mg/kg	0.033	0.098	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Trichloroethene	<0.016	mg/kg	0.016	0.051	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	mg/kg	0.033	0.098	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Vinyl acetate	<0.33	mg/kg	0.33	1.1	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C
Vinyl chloride	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 21:07	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020 00:00	SUB		
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CT LAB Sample#: 406810 Sample Description: 9-1-2'

Sampled: 04/10/2020 1240

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	86.3	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.052	mg/kg	0.052	0.17	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.018	mg/kg	0.018	0.062	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.010	mg/kg	0.010	0.035	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,1-Dichloroethane	<0.0061	mg/kg	0.0061	0.020	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,1-Dichloroethene	<0.018	mg/kg	0.018	0.062	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,1-Dichloropropene	<0.023	mg/kg	0.023	0.078	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.0096	mg/kg	0.0096	0.032	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.035	mg/kg	0.035	0.12	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.0096	mg/kg	0.0096	0.030	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.061	mg/kg	0.061	0.21	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,2-Dibromoethane	<0.0096	mg/kg	0.0096	0.033	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,2-Dichloroethane	<0.019	mg/kg	0.019	0.064	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,2-Dichloropropane	<0.023	mg/kg	0.023	0.075	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.012	mg/kg	0.012	0.039	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,3-Dichloropropane	<0.012	mg/kg	0.012	0.042	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
2,2-Dichloropropane	<0.018	mg/kg	0.018	0.061	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406810 Sample Description: 9-1-2'

Sampled: 04/10/2020 1240

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Butanone	<0.35	mg/kg	0.35	1.0	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
2-Chlorotoluene	<0.016	mg/kg	0.016	0.051	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
2-Hexanone	<0.17	mg/kg	0.17	0.61	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
4-Chlorotoluene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.16	mg/kg	0.16	0.53	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Acetone	<0.35	mg/kg	0.35	1.1	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Benzene	<0.0096	mg/kg	0.0096	0.030	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Bromobenzene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Bromochloromethane	<0.015	mg/kg	0.015	0.050	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Bromodichloromethane	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Bromoform	<0.052	mg/kg	0.052	0.17	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Bromomethane	<0.078	mg/kg	0.078	0.26	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Carbon disulfide	<0.035	mg/kg	0.035	0.10	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Carbon tetrachloride	<0.012	mg/kg	0.012	0.039	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Chlorobenzene	<0.0087	mg/kg	0.0087	0.028	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Chloroethane	<0.026	mg/kg	0.026	0.10	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Chloroform	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Chloromethane	<0.026	mg/kg	0.026	0.087	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	mg/kg	0.023	0.078	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.012	mg/kg	0.012	0.042	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Dibromochloromethane	<0.035	mg/kg	0.035	0.12	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Dibromomethane	<0.018	mg/kg	0.018	0.061	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Dichlorodifluoromethane	<0.043	mg/kg	0.043	0.15	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Diisopropyl ether	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Ethylbenzene	<0.0096	mg/kg	0.0096	0.030	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C

CT LAB Sample#: 406810 Sample Description: 9-1-2'

Sampled: 04/10/2020 1240

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Hexachlorobutadiene	<0.020	mg/kg	0.020	0.068	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Isopropylbenzene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
m & p-Xylene	<0.022	mg/kg	0.022	0.071	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Methylene chloride	<0.052	mg/kg	0.052	0.18	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
n-Butylbenzene	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
n-Propylbenzene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Naphthalene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
o-Xylene	<0.0061	mg/kg	0.0061	0.019	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
p-Isopropyltoluene	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
sec-Butylbenzene	<0.0096	mg/kg	0.0096	0.030	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Styrene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
tert-Butylbenzene	<0.010	mg/kg	0.010	0.036	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Tetrachloroethene	<0.0096	mg/kg	0.0096	0.032	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Tetrahydrofuran	<0.22	mg/kg	0.22	0.72	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Toluene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.035	mg/kg	0.035	0.10	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Trichloroethene	<0.017	mg/kg	0.017	0.054	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Trichlorofluoromethane	<0.035	mg/kg	0.035	0.10	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Vinyl acetate	<0.35	mg/kg	0.35	1.1	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C
Vinyl chloride	<0.017	mg/kg	0.017	0.056	1		04/15/2020 10:15	04/16/2020 21:35	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020 00:00	SUB
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CT LAB Sample#: 406811 Sample Description: 9-AG

Sampled: 04/10/2020 1240

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	96.2	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.055	mg/kg	0.055	0.18	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.019	mg/kg	0.019	0.065	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,1-Dichloroethane	<0.0064	mg/kg	0.0064	0.021	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,1-Dichloroethene	<0.019	mg/kg	0.019	0.065	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,1-Dichloropropene	<0.025	mg/kg	0.025	0.083	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.010	mg/kg	0.010	0.034	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.037	mg/kg	0.037	0.13	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.064	mg/kg	0.064	0.22	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,2-Dibromoethane	<0.010	mg/kg	0.010	0.035	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,2-Dichloroethane	<0.020	mg/kg	0.020	0.068	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,2-Dichloropropane	<0.024	mg/kg	0.024	0.079	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	mg/kg	0.013	0.041	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,3-Dichloropropane	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
2,2-Dichloropropane	<0.019	mg/kg	0.019	0.064	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406811 Sample Description: 9-AG

Sampled: 04/10/2020 1240

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Butanone	<0.37	mg/kg	0.37	1.1	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
2-Chlorotoluene	<0.017	mg/kg	0.017	0.054	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
2-Hexanone	<0.18	mg/kg	0.18	0.64	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
4-Chlorotoluene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.17	mg/kg	0.17	0.56	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Acetone	<0.37	mg/kg	0.37	1.2	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Benzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Bromochloromethane	<0.016	mg/kg	0.016	0.053	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Bromodichloromethane	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Bromoform	<0.055	mg/kg	0.055	0.17	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Bromomethane	<0.083	mg/kg	0.083	0.28	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Carbon disulfide	<0.037	mg/kg	0.037	0.11	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Carbon tetrachloride	<0.013	mg/kg	0.013	0.041	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Chlorobenzene	<0.0092	mg/kg	0.0092	0.029	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Chloroethane	<0.028	mg/kg	0.028	0.11	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Chloroform	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Chloromethane	<0.028	mg/kg	0.028	0.092	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.025	mg/kg	0.025	0.083	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Dibromochloromethane	<0.037	mg/kg	0.037	0.13	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Dibromomethane	<0.019	mg/kg	0.019	0.064	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Dichlorodifluoromethane	<0.046	mg/kg	0.046	0.16	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Diisopropyl ether	<0.017	mg/kg	0.017	0.056	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Ethylbenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C

CT LAB Sample#: 406811 Sample Description: 9-AG

Sampled: 04/10/2020 1240

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Hexachlorobutadiene	<0.021	mg/kg	0.021	0.072	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Isopropylbenzene	<0.012	mg/kg	0.012	0.039	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
m & p-Xylene	<0.023	mg/kg	0.023	0.075	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Methylene chloride	<0.055	mg/kg	0.055	0.19	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
n-Butylbenzene	<0.016	mg/kg	0.016	0.051	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
n-Propylbenzene	<0.012	mg/kg	0.012	0.039	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Naphthalene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
o-Xylene	<0.0064	mg/kg	0.0064	0.020	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
p-Isopropyltoluene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
sec-Butylbenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Styrene	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
tert-Butylbenzene	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Tetrachloroethene	<0.010	mg/kg	0.010	0.034	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Tetrahydrofuran	<0.23	mg/kg	0.23	0.76	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.037	mg/kg	0.037	0.11	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Trichloroethene	<0.017	mg/kg	0.017	0.057	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Trichlorofluoromethane	<0.037	mg/kg	0.037	0.11	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Vinyl acetate	<0.37	mg/kg	0.37	1.2	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C
Vinyl chloride	<0.017	mg/kg	0.017	0.059	1		04/15/2020 10:15	04/16/2020 22:03	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020 00:00	SUB		
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CT LAB Sample#: 406812 Sample Description: 10-1-2'

Sampled: 04/10/2020 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	95.2	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.053	mg/kg	0.053	0.18	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.019	mg/kg	0.019	0.063	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.011	mg/kg	0.011	0.035	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,1-Dichloroethane	<0.0062	mg/kg	0.0062	0.020	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,1-Dichloroethene	<0.019	mg/kg	0.019	0.063	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,1-Dichloropropene	<0.024	mg/kg	0.024	0.080	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.0097	mg/kg	0.0097	0.033	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.035	mg/kg	0.035	0.12	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.0097	mg/kg	0.0097	0.031	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.062	mg/kg	0.062	0.21	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,2-Dibromoethane	<0.0097	mg/kg	0.0097	0.034	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,2-Dichloroethane	<0.019	mg/kg	0.019	0.065	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,2-Dichloropropane	<0.023	mg/kg	0.023	0.076	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.011	mg/kg	0.011	0.039	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,3-Dichloropropane	<0.012	mg/kg	0.012	0.042	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.013	mg/kg	0.013	0.045	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
2,2-Dichloropropane	<0.019	mg/kg	0.019	0.062	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C

CT LAB Sample#: 406812 Sample Description: 10-1-2'

Sampled: 04/10/2020 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Butanone	<0.35	mg/kg	0.35	1.1	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
2-Chlorotoluene	<0.016	mg/kg	0.016	0.052	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
2-Hexanone	<0.18	mg/kg	0.18	0.62	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
4-Chlorotoluene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.16	mg/kg	0.16	0.54	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Acetone	<0.35	mg/kg	0.35	1.1	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Benzene	<0.0097	mg/kg	0.0097	0.031	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Bromobenzene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Bromochloromethane	<0.015	mg/kg	0.015	0.051	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Bromodichloromethane	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Bromoform	<0.053	mg/kg	0.053	0.17	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Bromomethane	<0.080	mg/kg	0.080	0.27	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Carbon disulfide	<0.035	mg/kg	0.035	0.11	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Carbon tetrachloride	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Chlorobenzene	<0.0088	mg/kg	0.0088	0.028	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Chloroethane	<0.027	mg/kg	0.027	0.11	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Chloroform	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Chloromethane	<0.027	mg/kg	0.027	0.088	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.024	mg/kg	0.024	0.080	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.012	mg/kg	0.012	0.042	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Dibromochloromethane	<0.035	mg/kg	0.035	0.12	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Dibromomethane	<0.019	mg/kg	0.019	0.062	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Dichlorodifluoromethane	<0.044	mg/kg	0.044	0.15	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Diisopropyl ether	<0.016	mg/kg	0.016	0.054	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Ethylbenzene	<0.0097	mg/kg	0.0097	0.031	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C

CT LAB Sample#: 406812 Sample Description: 10-1-2'

Sampled: 04/10/2020 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Hexachlorobutadiene	<0.020	mg/kg	0.020	0.069	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Isopropylbenzene	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
m & p-Xylene	<0.022	mg/kg	0.022	0.073	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Methylene chloride	<0.053	mg/kg	0.053	0.19	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
n-Butylbenzene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
n-Propylbenzene	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Naphthalene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
o-Xylene	<0.0062	mg/kg	0.0062	0.019	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
p-Isopropyltoluene	<0.011	mg/kg	0.011	0.039	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
sec-Butylbenzene	<0.0097	mg/kg	0.0097	0.031	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Styrene	<0.014	mg/kg	0.014	0.046	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
tert-Butylbenzene	<0.011	mg/kg	0.011	0.036	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Tetrachloroethene	<0.0097	mg/kg	0.0097	0.033	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Tetrahydrofuran	<0.22	mg/kg	0.22	0.73	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Toluene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.012	mg/kg	0.012	0.042	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.035	mg/kg	0.035	0.11	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Trichloroethene	<0.017	mg/kg	0.017	0.055	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Trichlorofluoromethane	<0.035	mg/kg	0.035	0.11	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Vinyl acetate	<0.35	mg/kg	0.35	1.1	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C
Vinyl chloride	<0.017	mg/kg	0.017	0.057	1		04/15/2020 10:15	04/16/2020 22:31	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020 00:00	SUB		
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CT LAB Sample#: 406813 Sample Description: 10-AG

Sampled: 04/10/2020 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	92.2	%	0.1	0.1	1			04/13/2020 12:55	BMM	EPA 8000C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.056	mg/kg	0.056	0.19	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.019	mg/kg	0.019	0.066	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.011	mg/kg	0.011	0.037	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,1-Dichloroethane	<0.0065	mg/kg	0.0065	0.021	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,1-Dichloroethene	<0.019	mg/kg	0.019	0.066	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,1-Dichloropropene	<0.025	mg/kg	0.025	0.083	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.010	mg/kg	0.010	0.034	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.037	mg/kg	0.037	0.13	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.016	mg/kg	0.016	0.054	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.065	mg/kg	0.065	0.22	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,2-Dibromoethane	<0.010	mg/kg	0.010	0.035	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,2-Dichloroethane	<0.020	mg/kg	0.020	0.068	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,2-Dichloropropane	<0.024	mg/kg	0.024	0.080	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,3-Dichloropropane	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.014	mg/kg	0.014	0.047	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
2,2-Dichloropropane	<0.019	mg/kg	0.019	0.065	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406813 Sample Description: 10-AG

Sampled: 04/10/2020 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Butanone	<0.37	mg/kg	0.37	1.1	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
2-Chlorotoluene	<0.017	mg/kg	0.017	0.055	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
2-Hexanone	<0.19	mg/kg	0.19	0.65	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
4-Chlorotoluene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.17	mg/kg	0.17	0.56	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Acetone	<0.37	mg/kg	0.37	1.2	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Benzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Bromochloromethane	<0.016	mg/kg	0.016	0.054	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Bromodichloromethane	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Bromoform	<0.056	mg/kg	0.056	0.18	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Bromomethane	<0.083	mg/kg	0.083	0.28	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Carbon disulfide	<0.037	mg/kg	0.037	0.11	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Carbon tetrachloride	<0.013	mg/kg	0.013	0.042	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Chlorobenzene	<0.0093	mg/kg	0.0093	0.030	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Chloroethane	<0.028	mg/kg	0.028	0.11	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Chloroform	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Chloromethane	<0.028	mg/kg	0.028	0.093	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.025	mg/kg	0.025	0.083	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.013	mg/kg	0.013	0.044	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Dibromochloromethane	<0.037	mg/kg	0.037	0.13	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Dibromomethane	<0.019	mg/kg	0.019	0.065	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Dichlorodifluoromethane	<0.046	mg/kg	0.046	0.16	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Diisopropyl ether	<0.017	mg/kg	0.017	0.056	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Ethylbenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 406813 Sample Description: 10-AG

Sampled: 04/10/2020 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Hexachlorobutadiene	<0.021	mg/kg	0.021	0.072	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Isopropylbenzene	<0.012	mg/kg	0.012	0.040	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
m & p-Xylene	<0.023	mg/kg	0.023	0.076	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Methylene chloride	<0.056	mg/kg	0.056	0.19	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
n-Butylbenzene	<0.016	mg/kg	0.016	0.051	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
n-Propylbenzene	<0.012	mg/kg	0.012	0.039	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Naphthalene	<0.014	mg/kg	0.014	0.045	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
o-Xylene	<0.0065	mg/kg	0.0065	0.020	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
p-Isopropyltoluene	<0.012	mg/kg	0.012	0.041	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
sec-Butylbenzene	<0.010	mg/kg	0.010	0.032	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Styrene	<0.015	mg/kg	0.015	0.048	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
tert-Butylbenzene	<0.011	mg/kg	0.011	0.038	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Tetrachloroethene	<0.010	mg/kg	0.010	0.034	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Tetrahydrofuran	<0.23	mg/kg	0.23	0.77	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.049	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.013	mg/kg	0.013	0.043	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.037	mg/kg	0.037	0.11	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Trichloroethene	<0.018	mg/kg	0.018	0.057	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Trichlorofluoromethane	<0.037	mg/kg	0.037	0.11	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Vinyl acetate	<0.37	mg/kg	0.37	1.2	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C
Vinyl chloride	<0.018	mg/kg	0.018	0.059	1		04/15/2020 10:15	04/16/2020 22:59	RLD	EPA 8260C

Sub Lab Results

PFOS	attached		N/A	N/A	1		05/20/2020 00:00	SUB		
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CT LAB Sample#: 406814 Sample Description: FIELD DUPLICATE Sampled: 04/10/2020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Sub Lab Results

PFOS	attached		N/A	N/A	1			05/20/2020 00:00	SUB	
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CT LAB Sample#: 406815 Sample Description: TOC 1-3 Sampled: 04/10/2020 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Solids, Percent	88.5	%	0.1	0.1	1			04/13/2020 13:16	BMM	EPA 8000C
Total Organic Carbon	5180	mg/kg	41	140	1			04/22/2020 12:42	TMG	L-Kahn/9060A

CT LAB Sample#: 406816 Sample Description: TOC 4-6 Sampled: 04/10/2020 1135

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Solids, Percent	91.6	%	0.1	0.1	1			04/13/2020 13:16	BMM	EPA 8000C
Total Organic Carbon	3650	mg/kg	39	130	1			04/22/2020 12:48	TMG	L-Kahn/9060A

CT LAB Sample#: 406817 Sample Description: TOC 9 Sampled: 04/10/2020 1255

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Solids, Percent	88.8	%	0.1	0.1	1			04/13/2020 13:16	BMM	EPA 8000C
Total Organic Carbon	8670	mg/kg	41	140	1			04/22/2020 12:57	TMG	L-Kahn/9060A

CT LAB Sample#: 406818 Sample Description: TOC 10

Sampled: 04/10/2020 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	92.8	%	0.1	0.1	1		04/13/2020 13:16	13:16	BMM	EPA 8000C
Total Organic Carbon	1030	mg/kg	39	130	1		04/22/2020 13:21	13:21	TMG	L-Kahn/9060A

Notes regarding entire Chain of Custody:

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples as received and tested. Field data supplied by the client are identified as "Field Results" in the report. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
 Project Manager
 608-356-2760

QC Qualifiers

<u>Code</u>	<u>Description</u>
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
 Wisconsin (DATCP) Bacteriology ID# 289
 Louisiana NELAP (primary) ID# ACC20190002
 Illinois NELAP Lab ID# 200073
 Kansas NELAP Lab ID# E-10368
 Virginia NELAP Lab ID# 460203
 ISO/IEC 17025-2005 A2LA Cert # 3806.01
 DoD-ELAP A2LA 3806.01
 GA EPD Stipulation ID ACC20190002

Sample ID: 1-GW
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-01	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 10:10	Date Received:	14-Apr-20 10:15		
Location:	406777						

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.852	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFPeA	2706-90-3	2.26	1.50	4.67	J	B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFBS	375-73-5	3.72	2.09	4.67	J	B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
4:2 FTS	757124-72-4	ND	1.62	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFHxA	307-24-4	4.37	2.55	4.67	J, Q	B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFPeS	2706-91-4	ND	2.83	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
HFPO-DA	13252-13-6	ND	5.63	5.84		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFHpA	375-85-9	3.04	0.690	4.67	J	B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
ADONA	919005-14-4	ND	0.843	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFHxS	355-46-4	12.8	1.11	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
6:2 FTS	27619-97-2	ND	2.34	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFOA	335-67-1	5.75	0.760	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFHpS	375-92-8	1.56	1.09	4.67	J, Q	B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFNA	375-95-1	ND	0.946	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFOSA	754-91-6	2.57	2.07	4.67	J, Q	B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFOS	1763-23-1	56.8	0.943	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
9Cl-PF3ONS	756426-58-1	ND	1.69	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFDA	335-76-2	ND	1.74	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
8:2 FTS	39108-34-4	ND	2.41	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFNS	68259-12-1	ND	4.52	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
MeFOSAA	2355-31-9	ND	1.93	4.67		B0D0196	22-Apr-20	0.107 L	07-May-20 17:15	1
EtFOSAA	2991-50-6	2.35	1.60	4.67	J	B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFUnA	2058-94-8	ND	1.23	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFDS	335-77-3	ND	1.44	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
11Cl-PF3OUdS	763051-92-9	ND	2.82	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
10:2 FTS	120226-60-0	ND	3.66	4.67		B0D0196	22-Apr-20	0.107 L	07-May-20 17:15	1
PFDoA	307-55-1	ND	0.925	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
MeFOSA	31506-32-8	ND	4.24	22.2		B0E0059	08-May-20	0.113 L	12-May-20 02:24	1
PFTrDA	72629-94-8	ND	0.577	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFDoS	79780-39-5	ND	4.87	5.84		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFTeDA	376-06-7	ND	0.882	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
EtFOSA	4151-50-2	ND	5.66	22.2		B0E0059	08-May-20	0.113 L	12-May-20 02:24	1
PFHxDA	67905-19-5	ND	0.343	4.67		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
PFODA	16517-11-6	ND	7.17	8.18		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
MeFOSE	24448-09-7	ND	7.09	23.4		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
EtFOSE	1691-99-2	ND	11.0	23.4		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	40.3	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1

Sample ID: 1-GW **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-01	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 10:10	Date Received:	14-Apr-20 10:15		
Location:	406777						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	87.8	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
13C3-PFBS	IS	84.3	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
13C3-HFPO-DA	IS	92.7	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
13C2-4:2 FTS	IS	109	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
13C2-PFHxA	IS	83.5	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
13C4-PFHpA	IS	91.1	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
13C3-PFHxS	IS	85.1	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
13C2-6:2 FTS	IS	77.2	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
13C5-PFNA	IS	98.7	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
13C8-PFOA	IS	60.5	10 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
13C2-PFOA	IS	89.0	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
13C8-PFOS	IS	79.4	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
13C2-PFDA	IS	106	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
13C2-8:2 FTS	IS	136	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
d3-MeFOSAA	IS	98.4	25 - 150		B0D0196	22-Apr-20	0.107 L	07-May-20 17:15	1
13C2-PFUnA	IS	84.7	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
d5-EtFOSAA	IS	85.0	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
13C2-10:2 FTS	IS	103	25 - 150		B0D0196	22-Apr-20	0.107 L	07-May-20 17:15	1
13C2-PFDoA	IS	66.3	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
d3-MeFOSA	IS	29.7	10 - 150		B0E0059	08-May-20	0.113 L	12-May-20 02:24	1
13C2-PFTeDA	IS	72.1	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
d5-EtFOSA	IS	27.5	10 - 150		B0E0059	08-May-20	0.113 L	12-May-20 02:24	1
13C2-PFHxDA	IS	65.8	25 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
d7-MeFOSE	IS	29.1	10 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1
d9-EtFOSE	IS	32.2	10 - 150		B0D0196	22-Apr-20	0.107 L	04-May-20 20:34	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 2-GW
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-02	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 10:45	Date Received:	14-Apr-20 10:15		
Location:	406778						

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.814	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFPeA	2706-90-3	5.02	1.43	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFBS	375-73-5	2.44	2.00	4.47	J	B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
4:2 FTS	757124-72-4	ND	1.55	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFHxA	307-24-4	4.91	2.43	4.47	Q	B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFPeS	2706-91-4	ND	2.70	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
HFPO-DA	13252-13-6	ND	5.38	5.58		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFHpA	375-85-9	2.99	0.660	4.47	J, Q	B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
ADONA	919005-14-4	ND	0.806	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFHxS	355-46-4	75.2	1.06	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
6:2 FTS	27619-97-2	ND	2.23	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFOA	335-67-1	5.48	0.727	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFHpS	375-92-8	ND	1.05	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFNA	375-95-1	ND	0.904	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFOSA	754-91-6	2.99	1.98	4.47	J, Q	B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFOS	1763-23-1	16.9	0.901	4.47	Q	B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
9Cl-PF3ONS	756426-58-1	ND	1.62	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFDA	335-76-2	ND	1.66	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
8:2 FTS	39108-34-4	ND	2.30	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFNS	68259-12-1	ND	4.32	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
MeFOSAA	2355-31-9	ND	1.84	4.47		B0D0196	22-Apr-20	0.112 L	07-May-20 17:25	1
EtFOSAA	2991-50-6	ND	1.53	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFUnA	2058-94-8	ND	1.17	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFDS	335-77-3	ND	1.37	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
11Cl-PF3OUdS	763051-92-9	ND	2.69	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
10:2 FTS	120226-60-0	ND	3.49	4.47		B0D0196	22-Apr-20	0.112 L	07-May-20 17:25	1
PFDoA	307-55-1	ND	0.884	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
MeFOSA	31506-32-8	ND	4.21	22.0		B0E0059	08-May-20	0.114 L	12-May-20 02:34	1
PFTTrDA	72629-94-8	ND	0.552	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFDoS	79780-39-5	ND	4.66	5.58		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFTeDA	376-06-7	ND	0.843	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
EtFOSA	4151-50-2	ND	5.61	22.0		B0E0059	08-May-20	0.114 L	12-May-20 02:34	1
PFHxDA	67905-19-5	ND	0.328	4.47		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
PFODA	16517-11-6	ND	6.86	7.82		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
MeFOSE	24448-09-7	ND	6.78	22.3		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
EtFOSE	1691-99-2	ND	10.5	22.3		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	44.8	25 - 150			B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1

Sample ID: 2-GW **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-02	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 10:45	Date Received:	14-Apr-20 10:15		
Location:	406778						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	80.7	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
13C3-PFBS	IS	88.5	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
13C3-HFPO-DA	IS	95.8	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
13C2-4:2 FTS	IS	104	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
13C2-PFHxA	IS	82.0	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
13C4-PFHpA	IS	84.1	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
13C3-PFHxS	IS	80.3	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
13C2-6:2 FTS	IS	79.2	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
13C5-PFNA	IS	95.9	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
13C8-PFOA	IS	56.4	10 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
13C2-PFOA	IS	87.2	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
13C8-PFOS	IS	67.9	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
13C2-PFDA	IS	81.8	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
13C2-8:2 FTS	IS	123	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
d3-MeFOSAA	IS	87.0	25 - 150		B0D0196	22-Apr-20	0.112 L	07-May-20 17:25	1
13C2-PFUnA	IS	69.4	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
d5-EtFOSAA	IS	85.7	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
13C2-10:2 FTS	IS	94.1	25 - 150		B0D0196	22-Apr-20	0.112 L	07-May-20 17:25	1
13C2-PFDoA	IS	67.9	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
d3-MeFOSA	IS	29.1	10 - 150		B0E0059	08-May-20	0.114 L	12-May-20 02:34	1
13C2-PFTeDA	IS	64.3	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
d5-EtFOSA	IS	26.5	10 - 150		B0E0059	08-May-20	0.114 L	12-May-20 02:34	1
13C2-PFHxDA	IS	68.8	25 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
d7-MeFOSE	IS	32.9	10 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1
d9-EtFOSE	IS	32.2	10 - 150		B0D0196	22-Apr-20	0.112 L	04-May-20 21:16	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 3-GW
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-03	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 10:50	Date Received:	14-Apr-20 10:15		
Location:	406779						

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.72	0.789	4.33	J	B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFPeA	2706-90-3	4.86	1.39	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFBS	375-73-5	2.39	1.94	4.33	J	B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
4:2 FTS	757124-72-4	ND	1.50	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFHxA	307-24-4	ND	2.36	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFPeS	2706-91-4	3.03	2.62	4.33	J, Q	B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
HFPO-DA	13252-13-6	ND	5.22	5.41		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFHpA	375-85-9	ND	0.640	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
ADONA	919005-14-4	ND	0.781	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFHxS	355-46-4	31.0	1.02	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
6:2 FTS	27619-97-2	ND	2.16	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFOA	335-67-1	4.87	0.704	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFHpS	375-92-8	ND	1.01	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFNA	375-95-1	ND	0.877	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFOSA	754-91-6	ND	1.92	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFOS	1763-23-1	43.0	0.873	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
9Cl-PF3ONS	756426-58-1	ND	1.57	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFDA	335-76-2	ND	1.61	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
8:2 FTS	39108-34-4	ND	2.23	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFNS	68259-12-1	ND	4.19	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
MeFOSAA	2355-31-9	ND	1.79	4.33		B0D0196	22-Apr-20	0.116 L	07-May-20 17:35	1
EtFOSAA	2991-50-6	ND	1.48	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFUnA	2058-94-8	ND	1.14	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFDS	335-77-3	ND	1.33	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
11Cl-PF3OUdS	763051-92-9	ND	2.61	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
10:2 FTS	120226-60-0	ND	3.39	4.33		B0D0196	22-Apr-20	0.116 L	07-May-20 17:35	1
PFDoA	307-55-1	ND	0.857	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
MeFOSA	31506-32-8	ND	4.14	21.6		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFTTrDA	72629-94-8	ND	0.535	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFDoS	79780-39-5	ND	4.51	5.41		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFTeDA	376-06-7	ND	0.817	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
EtFOSA	4151-50-2	ND	5.53	21.6		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFHxDA	67905-19-5	ND	0.318	4.33		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
PFODA	16517-11-6	ND	6.64	7.58		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
MeFOSE	24448-09-7	ND	6.57	21.6		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
EtFOSE	1691-99-2	ND	10.2	21.6		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	38.8	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1

Sample ID: 3-GW **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-03	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 10:50	Date Received:	14-Apr-20 10:15		
Location:	406779						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	94.0	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C3-PFBS	IS	94.5	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C3-HFPO-DA	IS	120	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C2-4:2 FTS	IS	101	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C2-PFHxA	IS	97.8	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C4-PFHpA	IS	96.4	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C3-PFHxS	IS	99.0	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C2-6:2 FTS	IS	96.2	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C5-PFNA	IS	103	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C8-PFOA	IS	68.6	10 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C2-PFOA	IS	88.8	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C8-PFOS	IS	89.0	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C2-PFDA	IS	90.7	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C2-8:2 FTS	IS	119	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
d3-MeFOSAA	IS	85.0	25 - 150		B0D0196	22-Apr-20	0.116 L	07-May-20 17:35	1
13C2-PFUnA	IS	82.1	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
d5-EtFOSAA	IS	80.7	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C2-10:2 FTS	IS	86.5	25 - 150		B0D0196	22-Apr-20	0.116 L	07-May-20 17:35	1
13C2-PFDoA	IS	67.5	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
d3-MeFOSA	IS	27.0	10 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C2-PFTeDA	IS	69.1	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
d5-EtFOSA	IS	20.8	10 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
13C2-PFHxDA	IS	42.6	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
d7-MeFOSE	IS	41.8	10 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1
d9-EtFOSE	IS	40.9	10 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 21:26	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 4-GW
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-04	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 11:10	Date Received:	14-Apr-20 10:15		
Location:	406780						

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	5.98	0.752	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFPeA	2706-90-3	16.1	1.32	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFBS	375-73-5	12.3	1.85	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
4:2 FTS	757124-72-4	ND	1.43	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFHxA	307-24-4	14.1	2.25	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFPeS	2706-91-4	8.49	2.50	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
HFPO-DA	13252-13-6	ND	4.97	5.16		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFHpA	375-85-9	6.99	0.610	4.13	Q	B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
ADONA	919005-14-4	ND	0.745	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFHxS	355-46-4	116	0.977	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
6:2 FTS	27619-97-2	ND	2.06	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFOA	335-67-1	17.4	0.671	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFHpS	375-92-8	5.01	0.966	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFNA	375-95-1	ND	0.835	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFOSA	754-91-6	2.19	1.83	4.13	J, Q	B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFOS	1763-23-1	58.4	0.832	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
9Cl-PF3ONS	756426-58-1	ND	1.50	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFDA	335-76-2	ND	1.54	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
8:2 FTS	39108-34-4	ND	2.12	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFNS	68259-12-1	ND	3.99	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
MeFOSAA	2355-31-9	ND	1.70	4.13		B0D0196	22-Apr-20	0.121 L	07-May-20 17:46	1
EtFOSAA	2991-50-6	ND	1.41	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFUnA	2058-94-8	ND	1.08	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFDS	335-77-3	ND	1.27	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
11Cl-PF3OUdS	763051-92-9	ND	2.49	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
10:2 FTS	120226-60-0	ND	3.23	4.13		B0D0196	22-Apr-20	0.121 L	07-May-20 17:46	1
PFDoA	307-55-1	ND	0.817	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
MeFOSA	31506-32-8	ND	3.95	20.6		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFTTrDA	72629-94-8	ND	0.510	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFDoS	79780-39-5	ND	4.30	5.16		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFTeDA	376-06-7	ND	0.779	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
EtFOSA	4151-50-2	ND	5.27	20.6		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFHxDA	67905-19-5	ND	0.303	4.13		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
PFODA	16517-11-6	ND	6.33	7.22		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
MeFOSE	24448-09-7	ND	6.26	20.6		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
EtFOSE	1691-99-2	ND	9.74	20.6		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	49.1	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1

Sample ID: 4-GW **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-04	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 11:10	Date Received:	14-Apr-20 10:15		
Location:	406780						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	86.9	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C3-PFBS	IS	90.7	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C3-HFPO-DA	IS	96.7	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C2-4:2 FTS	IS	106	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C2-PFHxA	IS	89.5	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C4-PFHpA	IS	92.1	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C3-PFHxS	IS	89.0	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C2-6:2 FTS	IS	85.5	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C5-PFNA	IS	86.9	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C8-PFOA	IS	60.8	10 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C2-PFOA	IS	78.4	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C8-PFOS	IS	67.2	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C2-PFDA	IS	94.0	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C2-8:2 FTS	IS	71.6	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
d3-MeFOSAA	IS	75.8	25 - 150		B0D0196	22-Apr-20	0.121 L	07-May-20 17:46	1
13C2-PFUnA	IS	62.4	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
d5-EtFOSAA	IS	71.4	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C2-10:2 FTS	IS	88.4	25 - 150		B0D0196	22-Apr-20	0.121 L	07-May-20 17:46	1
13C2-PFDoA	IS	55.3	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
d3-MeFOSA	IS	14.2	10 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C2-PFTeDA	IS	37.0	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
d5-EtFOSA	IS	10.9	10 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
13C2-PFHxDA	IS	32.5	25 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
d7-MeFOSE	IS	33.0	10 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1
d9-EtFOSE	IS	29.7	10 - 150		B0D0196	22-Apr-20	0.121 L	04-May-20 21:36	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 5-GW

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-05	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 11:20	Date Received:	14-Apr-20 10:15		
Location:	406781						

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.55	0.786	4.31	J	B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFPeA	2706-90-3	2.48	1.38	4.31	J	B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFBS	375-73-5	16.4	1.93	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
4:2 FTS	757124-72-4	ND	1.50	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFHxA	307-24-4	4.06	2.35	4.31	J	B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFPeS	2706-91-4	7.18	2.61	4.31	Q	B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
HFPO-DA	13252-13-6	ND	5.20	5.39		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFHpA	375-85-9	1.74	0.637	4.31	J	B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
ADONA	919005-14-4	ND	0.778	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFHxS	355-46-4	103	1.02	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
6:2 FTS	27619-97-2	ND	2.16	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFOA	335-67-1	5.91	0.702	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFHpS	375-92-8	ND	1.01	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFNA	375-95-1	ND	0.873	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFOSA	754-91-6	2.56	1.91	4.31	J	B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFOS	1763-23-1	9.17	0.870	4.31	Q	B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
9Cl-PF3ONS	756426-58-1	ND	1.56	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFDA	335-76-2	ND	1.61	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
8:2 FTS	39108-34-4	ND	2.22	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFNS	68259-12-1	ND	4.17	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
MeFOSAA	2355-31-9	ND	1.78	4.31		B0D0196	22-Apr-20	0.116 L	07-May-20 17:56	1
EtFOSAA	2991-50-6	ND	1.48	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFUnA	2058-94-8	ND	1.13	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFDS	335-77-3	ND	1.33	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
11Cl-PF3OUdS	763051-92-9	ND	2.60	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
10:2 FTS	120226-60-0	ND	3.37	4.31		B0D0196	22-Apr-20	0.116 L	07-May-20 17:56	1
PFDoA	307-55-1	ND	0.854	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
MeFOSA	31506-32-8	ND	4.13	21.6		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFTrDA	72629-94-8	ND	0.533	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFDoS	79780-39-5	ND	4.50	5.39		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFTeDA	376-06-7	ND	0.814	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
EtFOSA	4151-50-2	ND	5.51	21.6		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFHxDA	67905-19-5	ND	0.317	4.31		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
PFODA	16517-11-6	ND	6.62	7.55		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
MeFOSE	24448-09-7	ND	6.54	21.6		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
EtFOSE	1691-99-2	ND	10.2	21.6		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	56.6	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1

Sample ID: 5-GW **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-05	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 11:20	Date Received:	14-Apr-20 10:15		
Location:	406781						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	97.0	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C3-PFBS	IS	95.5	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C3-HFPO-DA	IS	100	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C2-4:2 FTS	IS	85.4	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C2-PFHxA	IS	102	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C4-PFHpA	IS	94.2	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C3-PFHxS	IS	81.1	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C2-6:2 FTS	IS	100	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C5-PFNA	IS	104	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C8-PFOA	IS	86.8	10 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C2-PFOA	IS	86.0	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C8-PFOS	IS	91.9	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C2-PFDA	IS	96.1	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C2-8:2 FTS	IS	97.6	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
d3-MeFOSAA	IS	74.5	25 - 150		B0D0196	22-Apr-20	0.116 L	07-May-20 17:56	1
13C2-PFUnA	IS	94.7	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
d5-EtFOSAA	IS	90.8	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C2-10:2 FTS	IS	82.7	25 - 150		B0D0196	22-Apr-20	0.116 L	07-May-20 17:56	1
13C2-PFDoA	IS	106	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
d3-MeFOSA	IS	29.2	10 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C2-PFTeDA	IS	68.4	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
d5-EtFOSA	IS	23.8	10 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
13C2-PFHxDA	IS	68.1	25 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
d7-MeFOSE	IS	42.3	10 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1
d9-EtFOSE	IS	43.3	10 - 150		B0D0196	22-Apr-20	0.116 L	12-May-20 16:25	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 6-GW
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-06	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:10	Date Received:	14-Apr-20 10:15		
Location:	406782						

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	10.5	0.779	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFPeA	2706-90-3	11.4	1.37	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFBS	375-73-5	4.11	1.91	4.27	J, Q	B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
4:2 FTS	757124-72-4	ND	1.48	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFHxA	307-24-4	9.24	2.33	4.27	Q	B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFPeS	2706-91-4	ND	2.58	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
HFPO-DA	13252-13-6	ND	5.15	5.34		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFHpA	375-85-9	ND	0.631	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
ADONA	919005-14-4	ND	0.771	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFHxS	355-46-4	9.36	1.01	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
6:2 FTS	27619-97-2	ND	2.14	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFOA	335-67-1	2.27	0.695	4.27	J	B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFHpS	375-92-8	1.70	1.00	4.27	J, Q	B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFNA	375-95-1	ND	0.865	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFOSA	754-91-6	ND	1.89	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFOS	1763-23-1	271	0.862	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
9Cl-PF3ONS	756426-58-1	ND	1.55	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFDA	335-76-2	ND	1.59	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
8:2 FTS	39108-34-4	ND	2.20	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFNS	68259-12-1	ND	4.13	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
MeFOSAA	2355-31-9	ND	1.76	4.27		B0D0196	22-Apr-20	0.117 L	07-May-20 18:07	1
EtFOSAA	2991-50-6	2.69	1.46	4.27	J, Q	B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFUnA	2058-94-8	ND	1.12	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFDS	335-77-3	ND	1.31	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
11Cl-PF3OUdS	763051-92-9	ND	2.57	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
10:2 FTS	120226-60-0	ND	3.34	4.27		B0D0196	22-Apr-20	0.117 L	07-May-20 18:07	1
PFDoA	307-55-1	ND	0.846	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
MeFOSA	31506-32-8	ND	4.09	21.4		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFTTrDA	72629-94-8	ND	0.528	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFDoS	79780-39-5	ND	4.45	5.34		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFTeDA	376-06-7	ND	0.806	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
EtFOSA	4151-50-2	ND	5.46	21.4		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFHxDA	67905-19-5	ND	0.314	4.27		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
PFODA	16517-11-6	ND	6.56	7.48		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
MeFOSE	24448-09-7	ND	6.48	21.4		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
EtFOSE	1691-99-2	ND	10.1	21.4		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	36.3	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1

Sample ID: 6-GW
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-06	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:10	Date Received:	14-Apr-20 10:15		
Location:	406782						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	90.5	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C3-PFBS	IS	82.4	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C3-HFPO-DA	IS	84.0	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C2-4:2 FTS	IS	95.8	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C2-PFHxA	IS	82.7	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C4-PFHpA	IS	89.7	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C3-PFHxS	IS	95.6	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C2-6:2 FTS	IS	93.1	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C5-PFNA	IS	100	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C8-PFOA	IS	57.6	10 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C2-PFOA	IS	95.5	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C8-PFOS	IS	79.8	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C2-PFDA	IS	75.4	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C2-8:2 FTS	IS	126	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
d3-MeFOSAA	IS	95.0	25 - 150		B0D0196	22-Apr-20	0.117 L	07-May-20 18:07	1
13C2-PFUnA	IS	76.4	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
d5-EtFOSAA	IS	87.9	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C2-10:2 FTS	IS	101	25 - 150		B0D0196	22-Apr-20	0.117 L	07-May-20 18:07	1
13C2-PFDoA	IS	67.2	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
d3-MeFOSA	IS	18.6	10 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C2-PFTeDA	IS	73.6	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
d5-EtFOSA	IS	15.7	10 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
13C2-PFHxDA	IS	56.2	25 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
d7-MeFOSE	IS	38.2	10 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1
d9-EtFOSE	IS	34.4	10 - 150		B0D0196	22-Apr-20	0.117 L	04-May-20 21:57	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 7-GW
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-07	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:10	Date Received:	14-Apr-20 10:15		
Location:	406783						

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	5.68	0.770	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFPeA	2706-90-3	10.6	1.35	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFBS	375-73-5	4.60	1.89	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
4:2 FTS	757124-72-4	ND	1.47	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFHxA	307-24-4	8.25	2.30	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFPeS	2706-91-4	ND	2.56	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
HFPO-DA	13252-13-6	ND	5.09	5.28		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFHpA	375-85-9	2.44	0.624	4.23	J	B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
ADONA	919005-14-4	ND	0.763	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFHxS	355-46-4	61.2	1.00	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
6:2 FTS	27619-97-2	ND	2.11	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFOA	335-67-1	5.79	0.688	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFHpS	375-92-8	1.05	0.990	4.23	J, Q	B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFNA	375-95-1	ND	0.856	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFOSA	754-91-6	2.27	1.87	4.23	J	B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFOS	1763-23-1	18.4	0.853	4.23	Q	B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
9Cl-PF3ONS	756426-58-1	ND	1.53	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFDA	335-76-2	ND	1.57	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
8:2 FTS	39108-34-4	ND	2.18	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFNS	68259-12-1	ND	4.09	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
MeFOSAA	2355-31-9	ND	1.74	4.23		B0D0196	22-Apr-20	0.118 L	07-May-20 18:17	1
EtFOSAA	2991-50-6	ND	1.45	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFUnA	2058-94-8	ND	1.11	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFDS	335-77-3	ND	1.30	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
11Cl-PF3OUdS	763051-92-9	ND	2.55	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
10:2 FTS	120226-60-0	ND	3.31	4.23		B0D0196	22-Apr-20	0.118 L	07-May-20 18:17	1
PFDoA	307-55-1	ND	0.837	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
MeFOSA	31506-32-8	ND	4.05	21.1		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFTTrDA	72629-94-8	ND	0.522	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFDoS	79780-39-5	ND	4.41	5.28		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFTeDA	376-06-7	ND	0.798	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
EtFOSA	4151-50-2	ND	5.40	21.1		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFHxDA	67905-19-5	ND	0.311	4.23		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
PFODA	16517-11-6	ND	6.49	7.40		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
MeFOSE	24448-09-7	ND	6.41	21.1		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
EtFOSE	1691-99-2	ND	9.97	21.1		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	42.4	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1

Sample ID: 7-GW
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-07	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:10	Date Received:	14-Apr-20 10:15		
Location:	406783						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	93.0	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C3-PFBS	IS	99.0	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C3-HFPO-DA	IS	108	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C2-4:2 FTS	IS	115	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C2-PFHxA	IS	97.9	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C4-PFHpA	IS	88.2	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C3-PFHxS	IS	82.5	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C2-6:2 FTS	IS	97.3	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C5-PFNA	IS	94.0	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C8-PFOA	IS	65.1	10 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C2-PFOA	IS	104	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C8-PFOS	IS	77.0	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C2-PFDA	IS	96.9	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C2-8:2 FTS	IS	115	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
d3-MeFOSAA	IS	94.8	25 - 150		B0D0196	22-Apr-20	0.118 L	07-May-20 18:17	1
13C2-PFUnA	IS	84.1	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
d5-EtFOSAA	IS	86.9	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C2-10:2 FTS	IS	101	25 - 150		B0D0196	22-Apr-20	0.118 L	07-May-20 18:17	1
13C2-PFDoA	IS	71.2	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
d3-MeFOSA	IS	25.6	10 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C2-PFTeDA	IS	65.1	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
d5-EtFOSA	IS	23.7	10 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
13C2-PFHxDA	IS	58.7	25 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
d7-MeFOSE	IS	35.5	10 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1
d9-EtFOSE	IS	37.5	10 - 150		B0D0196	22-Apr-20	0.118 L	04-May-20 22:07	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 8-GW
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-08	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:30	Date Received:	14-Apr-20 10:15		
Location:	406784						

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.781	4.29		B0E0093	13-May-20	0.117 L	15-May-20 10:13	1
PFPeA	2706-90-3	5.58	1.37	4.29		B0E0093	13-May-20	0.117 L	15-May-20 10:13	1
PFBS	375-73-5	2.59	1.98	4.43	J	B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
4:2 FTS	757124-72-4	ND	1.54	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFHxA	307-24-4	7.66	2.42	4.43	Q	B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFPeS	2706-91-4	ND	2.68	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
HFPO-DA	13252-13-6	ND	5.34	5.54		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFHpA	375-85-9	2.55	0.655	4.43	J, Q	B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
ADONA	919005-14-4	ND	0.801	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFHxS	355-46-4	57.0	1.05	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
6:2 FTS	27619-97-2	ND	2.22	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFOA	335-67-1	11.0	0.722	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFHpS	375-92-8	17.9	1.04	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFNA	375-95-1	ND	0.898	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFOSA	754-91-6	7.90	1.96	4.43	Q	B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFOS	1763-23-1	128	0.895	4.43	Q	B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
9Cl-PF3ONS	756426-58-1	ND	1.61	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFDA	335-76-2	ND	1.65	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
8:2 FTS	39108-34-4	ND	2.28	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFNS	68259-12-1	ND	4.29	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
MeFOSAA	2355-31-9	ND	1.83	4.43		B0D0196	22-Apr-20	0.113 L	07-May-20 18:27	1
EtFOSAA	2991-50-6	ND	1.47	4.29		B0E0093	13-May-20	0.117 L	15-May-20 10:13	1
PFUnA	2058-94-8	ND	1.16	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFDS	335-77-3	ND	1.36	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
11Cl-PF3OUdS	763051-92-9	ND	2.67	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
10:2 FTS	120226-60-0	ND	3.47	4.43		B0D0196	22-Apr-20	0.113 L	07-May-20 18:27	1
PFDoA	307-55-1	ND	0.878	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
MeFOSA	31506-32-8	ND	4.25	22.2		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFTTrDA	72629-94-8	ND	0.548	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFDoS	79780-39-5	ND	4.62	5.54		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFTeDA	376-06-7	ND	0.837	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
EtFOSA	4151-50-2	ND	5.67	22.2		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFHxDA	67905-19-5	ND	0.326	4.43		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
PFODA	16517-11-6	ND	6.81	7.76		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
MeFOSE	24448-09-7	ND	6.73	22.2		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
EtFOSE	1691-99-2	ND	10.5	22.2		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	11.0	25 - 150	H	B0E0093	13-May-20	0.117 L	15-May-20 10:13	1

Sample ID: 8-GW **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-08	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:30	Date Received:	14-Apr-20 10:15		
Location:	406784						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	81.9	25 - 150		B0E0093	13-May-20	0.117 L	15-May-20 10:13	1
13C3-PFBS	IS	43.2	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
13C3-HFPO-DA	IS	87.4	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
13C2-4:2 FTS	IS	96.4	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
13C2-PFHxA	IS	70.7	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
13C4-PFHpA	IS	95.1	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
13C3-PFHxS	IS	80.0	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
13C2-6:2 FTS	IS	95.5	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
13C5-PFNA	IS	101	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
13C8-PFOA	IS	61.5	10 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
13C2-PFOA	IS	96.6	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
13C8-PFOS	IS	88.3	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
13C2-PFDA	IS	78.9	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
13C2-8:2 FTS	IS	129	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
d3-MeFOSAA	IS	95.5	25 - 150		B0D0196	22-Apr-20	0.113 L	07-May-20 18:27	1
13C2-PFUnA	IS	83.2	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
d5-EtFOSAA	IS	75.6	25 - 150		B0E0093	13-May-20	0.117 L	15-May-20 10:13	1
13C2-10:2 FTS	IS	71.8	25 - 150		B0D0196	22-Apr-20	0.113 L	07-May-20 18:27	1
13C2-PFDoA	IS	62.2	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
d3-MeFOSA	IS	52.9	10 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
13C2-PFTeDA	IS	57.5	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
d5-EtFOSA	IS	48.3	10 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
13C2-PFHxDA	IS	39.2	25 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
d7-MeFOSE	IS	43.7	10 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1
d9-EtFOSE	IS	43.4	10 - 150		B0D0196	22-Apr-20	0.113 L	04-May-20 22:18	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 9-GW
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-09	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:50	Date Received:	14-Apr-20 10:15		
Location:	406785						

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.823	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFPeA	2706-90-3	4.65	1.44	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFBS	375-73-5	ND	2.02	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
4:2 FTS	757124-72-4	ND	1.57	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFHxA	307-24-4	3.78	2.46	4.52	J, Q	B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFPeS	2706-91-4	ND	2.73	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
HFPO-DA	13252-13-6	ND	5.44	5.64		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFHpA	375-85-9	3.28	0.667	4.52	J	B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
ADONA	919005-14-4	ND	0.815	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFHxS	355-46-4	25.6	1.07	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
6:2 FTS	27619-97-2	ND	2.26	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFOA	335-67-1	16.7	0.735	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFHpS	375-92-8	1.63	1.06	4.52	J, Q	B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFNA	375-95-1	ND	0.914	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFOSA	754-91-6	3.06	2.00	4.52	J	B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFOS	1763-23-1	27.3	0.911	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
9Cl-PF3ONS	756426-58-1	ND	1.64	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFDA	335-76-2	ND	1.68	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
8:2 FTS	39108-34-4	ND	2.33	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFNS	68259-12-1	ND	4.37	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
MeFOSAA	2355-31-9	ND	1.86	4.52		B0D0196	22-Apr-20	0.111 L	07-May-20 18:38	1
EtFOSAA	2991-50-6	ND	1.55	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFUnA	2058-94-8	ND	1.19	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFDS	335-77-3	ND	1.39	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
11Cl-PF3OUdS	763051-92-9	ND	2.72	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
10:2 FTS	120226-60-0	ND	3.53	4.52		B0D0196	22-Apr-20	0.111 L	07-May-20 18:38	1
PFDoA	307-55-1	ND	0.894	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
MeFOSA	31506-32-8	ND	4.32	22.6		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFTTrDA	72629-94-8	ND	0.558	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFDoS	79780-39-5	ND	4.71	5.64		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFTeDA	376-06-7	ND	0.852	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
EtFOSA	4151-50-2	ND	5.77	22.6		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFHxDA	67905-19-5	ND	0.332	4.52		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
PFODA	16517-11-6	ND	6.93	7.90		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
MeFOSE	24448-09-7	ND	6.85	22.6		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
EtFOSE	1691-99-2	ND	10.7	22.6		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	33.5	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1

Sample ID: 9-GW **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-09	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:50	Date Received:	14-Apr-20 10:15		
Location:	406785						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	82.1	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C3-PFBS	IS	96.2	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C3-HFPO-DA	IS	105	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C2-4:2 FTS	IS	95.2	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C2-PFHxA	IS	83.2	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C4-PFHpA	IS	80.2	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C3-PFHxS	IS	79.5	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C2-6:2 FTS	IS	69.2	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C5-PFNA	IS	88.5	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C8-PFOA	IS	63.4	10 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C2-PFOA	IS	90.5	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C8-PFOS	IS	74.4	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C2-PFDA	IS	77.9	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C2-8:2 FTS	IS	129	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
d3-MeFOSAA	IS	77.8	25 - 150		B0D0196	22-Apr-20	0.111 L	07-May-20 18:38	1
13C2-PFUnA	IS	68.1	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
d5-EtFOSAA	IS	79.3	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C2-10:2 FTS	IS	98.5	25 - 150		B0D0196	22-Apr-20	0.111 L	07-May-20 18:38	1
13C2-PFDoA	IS	76.1	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
d3-MeFOSA	IS	29.8	10 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C2-PFTeDA	IS	67.8	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
d5-EtFOSA	IS	26.6	10 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
13C2-PFHxDA	IS	60.2	25 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
d7-MeFOSE	IS	47.4	10 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1
d9-EtFOSE	IS	47.6	10 - 150		B0D0196	22-Apr-20	0.111 L	04-May-20 22:28	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 10-GW
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-10	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 13:20	Date Received:	14-Apr-20 10:15		
Location:	406786						

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.790	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFPeA	2706-90-3	3.68	1.39	4.33	J	B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFBS	375-73-5	ND	1.94	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
4:2 FTS	757124-72-4	ND	1.51	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFHxA	307-24-4	ND	2.36	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFPeS	2706-91-4	ND	2.62	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
HFPO-DA	13252-13-6	ND	5.22	5.42		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFHpA	375-85-9	ND	0.640	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
ADONA	919005-14-4	ND	0.782	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFHxS	355-46-4	13.6	1.03	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
6:2 FTS	27619-97-2	ND	2.17	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFOA	335-67-1	2.12	0.705	4.33	J	B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFHpS	375-92-8	ND	1.01	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFNA	375-95-1	1.27	0.877	4.33	J	B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFOSA	754-91-6	3.98	1.92	4.33	J, Q	B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFOS	1763-23-1	73.7	0.874	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
9Cl-PF3ONS	756426-58-1	ND	1.57	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFDA	335-76-2	ND	1.61	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
8:2 FTS	39108-34-4	ND	2.23	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFNS	68259-12-1	ND	4.19	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
MeFOSAA	2355-31-9	ND	1.79	4.33		B0D0196	22-Apr-20	0.115 L	07-May-20 18:48	1
EtFOSAA	2991-50-6	ND	1.48	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFUnA	2058-94-8	ND	1.14	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFDS	335-77-3	ND	1.33	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
11Cl-PF3OUdS	763051-92-9	ND	2.61	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
10:2 FTS	120226-60-0	ND	3.39	4.33		B0D0196	22-Apr-20	0.115 L	07-May-20 18:48	1
PFDoA	307-55-1	ND	0.858	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
MeFOSA	31506-32-8	ND	4.15	21.7		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFTTrDA	72629-94-8	ND	0.535	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFDoS	79780-39-5	ND	4.52	5.42		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFTeDA	376-06-7	ND	0.818	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
EtFOSA	4151-50-2	ND	5.53	21.7		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFHxDA	67905-19-5	ND	0.318	4.33		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
PFODA	16517-11-6	ND	6.65	7.58		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
MeFOSE	24448-09-7	ND	6.57	21.7		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
EtFOSE	1691-99-2	ND	10.2	21.7		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	25.7	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1	

Sample ID: 10-GW **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-10	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 13:20	Date Received:	14-Apr-20 10:15		
Location:	406786						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	79.3	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C3-PFBS	IS	77.6	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C3-HFPO-DA	IS	107	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C2-4:2 FTS	IS	98.1	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C2-PFHxA	IS	78.9	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C4-PFHpA	IS	84.0	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C3-PFHxS	IS	74.1	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C2-6:2 FTS	IS	70.7	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C5-PFNA	IS	73.1	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C8-PFOA	IS	59.9	10 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C2-PFOA	IS	92.6	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C8-PFOS	IS	56.1	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C2-PFDA	IS	69.7	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C2-8:2 FTS	IS	116	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
d3-MeFOSAA	IS	86.2	25 - 150		B0D0196	22-Apr-20	0.115 L	07-May-20 18:48	1
13C2-PFUnA	IS	77.1	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
d5-EtFOSAA	IS	77.6	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C2-10:2 FTS	IS	87.5	25 - 150		B0D0196	22-Apr-20	0.115 L	07-May-20 18:48	1
13C2-PFDoA	IS	64.7	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
d3-MeFOSA	IS	22.5	10 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C2-PFTeDA	IS	66.4	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
d5-EtFOSA	IS	20.2	10 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
13C2-PFHxDA	IS	60.4	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
d7-MeFOSE	IS	39.2	10 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1
d9-EtFOSE	IS	38.6	10 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:39	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: FIELD DUP
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-11	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 00:00	Date Received:	14-Apr-20 10:15		
Location:	406787						

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.86	0.797	4.37	J	B0E0093	13-May-20	0.114 L	15-May-20 10:24	1
PFPeA	2706-90-3	4.56	1.39	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFBS	375-73-5	2.53	1.94	4.34	J	B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
4:2 FTS	757124-72-4	ND	1.51	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFHxA	307-24-4	2.85	2.37	4.34	J	B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFPeS	2706-91-4	ND	2.63	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
HFPO-DA	13252-13-6	ND	5.23	5.42		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFHpA	375-85-9	3.17	0.641	4.34	J	B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
ADONA	919005-14-4	ND	0.783	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFHxS	355-46-4	30.4	1.03	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
6:2 FTS	27619-97-2	ND	2.17	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFOA	335-67-1	16.2	0.706	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFHpS	375-92-8	1.53	1.02	4.34	J	B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFNA	375-95-1	ND	0.879	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFOSA	754-91-6	2.70	1.92	4.34	J	B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFOS	1763-23-1	31.2	0.876	4.34	Q	B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
9Cl-PF3ONS	756426-58-1	ND	1.57	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFDA	335-76-2	ND	1.62	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
8:2 FTS	39108-34-4	ND	2.24	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFNS	68259-12-1	ND	4.20	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
MeFOSAA	2355-31-9	ND	1.79	4.34		B0D0196	22-Apr-20	0.115 L	07-May-20 19:30	1
EtFOSAA	2991-50-6	ND	1.50	4.37		B0E0093	13-May-20	0.114 L	15-May-20 10:24	1
PFUnA	2058-94-8	ND	1.14	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFDS	335-77-3	ND	1.33	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
11Cl-PF3OUdS	763051-92-9	ND	2.61	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
10:2 FTS	120226-60-0	ND	3.40	4.34		B0D0196	22-Apr-20	0.115 L	07-May-20 19:30	1
PFDoA	307-55-1	ND	0.859	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
MeFOSA	31506-32-8	ND	4.16	21.7		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFTTrDA	72629-94-8	ND	0.536	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFDoS	79780-39-5	ND	4.52	5.42		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFTeDA	376-06-7	ND	0.819	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
EtFOSA	4151-50-2	ND	5.54	21.7		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFHxDA	67905-19-5	ND	0.319	4.34		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
PFODA	16517-11-6	ND	6.66	7.59		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
MeFOSE	24448-09-7	ND	6.59	21.7		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
EtFOSE	1691-99-2	ND	10.2	21.7		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	114	25 - 150		B0E0093	13-May-20	0.114 L	15-May-20 10:24	1

Sample ID: FIELD DUP **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-11	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 00:00	Date Received:	14-Apr-20 10:15		
Location:	406787						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	91.4	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C3-PFBS	IS	88.9	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C3-HFPO-DA	IS	104	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C2-4:2 FTS	IS	101	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C2-PFHxA	IS	85.6	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C4-PFHpA	IS	85.4	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C3-PFHxS	IS	80.4	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C2-6:2 FTS	IS	88.2	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C5-PFNA	IS	87.0	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C8-PFOA	IS	60.7	10 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C2-PFOA	IS	89.8	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C8-PFOS	IS	74.5	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C2-PFDA	IS	95.5	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C2-8:2 FTS	IS	132	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
d3-MeFOSAA	IS	88.3	25 - 150		B0D0196	22-Apr-20	0.115 L	07-May-20 19:30	1
13C2-PFUnA	IS	81.0	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
d5-EtFOSAA	IS	76.4	25 - 150		B0E0093	13-May-20	0.114 L	15-May-20 10:24	1
13C2-10:2 FTS	IS	84.1	25 - 150		B0D0196	22-Apr-20	0.115 L	07-May-20 19:30	1
13C2-PFDoA	IS	74.2	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
d3-MeFOSA	IS	28.3	10 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C2-PFTeDA	IS	71.2	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
d5-EtFOSA	IS	23.2	10 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
13C2-PFHxDA	IS	66.4	25 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
d7-MeFOSE	IS	41.3	10 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1
d9-EtFOSE	IS	36.6	10 - 150		B0D0196	22-Apr-20	0.115 L	04-May-20 22:49	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: FIELD BLANK
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-12	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 00:00	Date Received:	14-Apr-20 10:15		
Location:	406788						

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.786	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFPeA	2706-90-3	ND	1.38	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFBS	375-73-5	ND	1.93	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
4:2 FTS	757124-72-4	ND	1.50	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFHxA	307-24-4	ND	2.35	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFPeS	2706-91-4	ND	2.61	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
HFPO-DA	13252-13-6	ND	5.20	5.39		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFHpA	375-85-9	ND	0.637	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
ADONA	919005-14-4	ND	0.778	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFHxS	355-46-4	ND	1.02	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
6:2 FTS	27619-97-2	ND	2.16	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFOA	335-67-1	ND	0.702	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFHpS	375-92-8	ND	1.01	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFNA	375-95-1	ND	0.873	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFOSA	754-91-6	ND	1.91	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFOS	1763-23-1	ND	0.870	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
9Cl-PF3ONS	756426-58-1	ND	1.56	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFDA	335-76-2	ND	1.61	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
8:2 FTS	39108-34-4	ND	2.22	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFNS	68259-12-1	ND	4.17	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
MeFOSAA	2355-31-9	ND	1.78	4.31		B0D0196	22-Apr-20	0.116 L	07-May-20 19:40	1
EtFOSAA	2991-50-6	ND	1.48	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFUnA	2058-94-8	ND	1.13	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFDS	335-77-3	ND	1.33	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
11Cl-PF3OUdS	763051-92-9	ND	2.60	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
10:2 FTS	120226-60-0	ND	3.37	4.31		B0D0196	22-Apr-20	0.116 L	07-May-20 19:40	1
PFDoA	307-55-1	ND	0.854	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
MeFOSA	31506-32-8	ND	4.13	21.6		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFTTrDA	72629-94-8	ND	0.532	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFDoS	79780-39-5	ND	4.49	5.39		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFTeDA	376-06-7	ND	0.814	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
EtFOSA	4151-50-2	ND	5.51	21.6		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFHxDA	67905-19-5	ND	0.317	4.31		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
PFODA	16517-11-6	ND	6.62	7.55		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
MeFOSE	24448-09-7	ND	6.54	21.6		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
EtFOSE	1691-99-2	ND	10.2	21.6		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	77.3	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1

Sample ID: FIELD BLANK **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-12	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 00:00	Date Received:	14-Apr-20 10:15		
Location:	406788						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	82.2	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C3-PFBS	IS	93.5	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C3-HFPO-DA	IS	105	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C2-4:2 FTS	IS	90.8	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C2-PFHxA	IS	85.3	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C4-PFHpA	IS	87.0	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C3-PFHxS	IS	95.1	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C2-6:2 FTS	IS	95.1	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C5-PFNA	IS	73.9	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C8-PFOA	IS	32.3	10 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C2-PFOA	IS	94.5	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C8-PFOS	IS	59.1	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C2-PFDA	IS	99.6	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C2-8:2 FTS	IS	118	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
d3-MeFOSAA	IS	80.9	25 - 150		B0D0196	22-Apr-20	0.116 L	07-May-20 19:40	1
13C2-PFUnA	IS	78.7	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
d5-EtFOSAA	IS	69.1	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C2-10:2 FTS	IS	96.9	25 - 150		B0D0196	22-Apr-20	0.116 L	07-May-20 19:40	1
13C2-PFDoA	IS	68.2	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
d3-MeFOSA	IS	10.8	10 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C2-PFTeDA	IS	63.1	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
d5-EtFOSA	IS	10.0	10 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
13C2-PFHxDA	IS	64.2	25 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
d7-MeFOSE	IS	24.3	10 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1
d9-EtFOSE	IS	20.8	10 - 150		B0D0196	22-Apr-20	0.116 L	04-May-20 22:59	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: EQUIP BLANK
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-13	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 09:00	Date Received:	14-Apr-20 10:15		
Location:	406790						

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.900	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFPeA	2706-90-3	ND	1.58	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFBS	375-73-5	ND	2.21	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
4:2 FTS	757124-72-4	ND	1.72	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFHxA	307-24-4	ND	2.69	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFPeS	2706-91-4	ND	2.99	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
HFPO-DA	13252-13-6	ND	5.95	6.17		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFHpA	375-85-9	ND	0.730	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
ADONA	919005-14-4	ND	0.891	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFHxS	355-46-4	ND	1.17	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
6:2 FTS	27619-97-2	ND	2.47	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFOA	335-67-1	ND	0.804	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFHpS	375-92-8	ND	1.16	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFNA	375-95-1	ND	1.00	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFOSA	754-91-6	ND	2.19	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFOS	1763-23-1	ND	0.996	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
9Cl-PF3ONS	756426-58-1	ND	1.79	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFDA	335-76-2	ND	1.84	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
8:2 FTS	39108-34-4	ND	2.54	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFNS	68259-12-1	ND	4.78	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
MeFOSAA	2355-31-9	ND	2.04	4.94		B0D0196	22-Apr-20	0.101 L	07-May-20 19:50	1
EtFOSAA	2991-50-6	2.28	1.69	4.94	J	B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFUnA	2058-94-8	ND	1.30	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFDS	335-77-3	ND	1.52	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
11Cl-PF3OUdS	763051-92-9	ND	2.98	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
10:2 FTS	120226-60-0	ND	3.86	4.94		B0D0196	22-Apr-20	0.101 L	07-May-20 19:50	1
PFDoA	307-55-1	ND	0.978	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
MeFOSA	31506-32-8	ND	4.73	24.7		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFTTrDA	72629-94-8	ND	0.610	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFDoS	79780-39-5	ND	5.15	6.17		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFTeDA	376-06-7	ND	0.932	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
EtFOSA	4151-50-2	ND	6.31	24.7		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFHxDA	67905-19-5	ND	0.363	4.94		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
PFODA	16517-11-6	ND	7.58	8.64		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
MeFOSE	24448-09-7	ND	7.49	24.7		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
EtFOSE	1691-99-2	ND	11.7	24.7		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	77.4	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1

Sample ID: EQUIP BLANK **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	2000870-13	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 09:00	Date Received:	14-Apr-20 10:15		
Location:	406790						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	76.9	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C3-PFBS	IS	66.1	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C3-HFPO-DA	IS	92.2	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C2-4:2 FTS	IS	79.5	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C2-PFHxA	IS	76.8	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C4-PFHpA	IS	77.4	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C3-PFHxS	IS	88.7	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C2-6:2 FTS	IS	75.2	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C5-PFNA	IS	87.7	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C8-PFOA	IS	44.0	10 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C2-PFOA	IS	79.8	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C8-PFOS	IS	73.6	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C2-PFDA	IS	83.0	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C2-8:2 FTS	IS	103	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
d3-MeFOSAA	IS	83.0	25 - 150		B0D0196	22-Apr-20	0.101 L	07-May-20 19:50	1
13C2-PFUnA	IS	70.1	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
d5-EtFOSAA	IS	75.8	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C2-10:2 FTS	IS	103	25 - 150		B0D0196	22-Apr-20	0.101 L	07-May-20 19:50	1
13C2-PFDoA	IS	66.4	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
d3-MeFOSA	IS	16.9	10 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C2-PFTeDA	IS	53.3	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
d5-EtFOSA	IS	15.8	10 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
13C2-PFHxDA	IS	50.3	25 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
d7-MeFOSE	IS	31.1	10 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1
d9-EtFOSE	IS	27.7	10 - 150		B0D0196	22-Apr-20	0.101 L	04-May-20 23:10	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 1-1-2'
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-14	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 08:39	Date Received:	14-Apr-20 10:15		
Location:	406793			% Solids:	85.3		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.182	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFPeA	2706-90-3	ND	0.165	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFBS	375-73-5	ND	0.115	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
4:2 FTS	757124-72-4	ND	0.189	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFHxA	307-24-4	ND	0.118	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFPeS	2706-91-4	ND	0.253	0.493		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
HFPO-DA	13252-13-6	ND	0.523	0.739		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFHpA	375-85-9	ND	0.300	0.493		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
ADONA	919005-14-4	ND	0.171	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFHxS	355-46-4	ND	0.222	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
6:2 FTS	27619-97-2	ND	0.344	0.493		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFOA	335-67-1	ND	0.272	0.493		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFHpS	375-92-8	ND	0.341	0.493		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFNA	375-95-1	ND	0.196	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFOSA	754-91-6	ND	0.449	0.493		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFOS	1763-23-1	ND	0.272	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
9Cl-PF3ONS	756426-58-1	ND	0.202	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFDA	335-76-2	ND	0.150	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
8:2 FTS	39108-34-4	ND	0.288	0.493		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFNS	68259-12-1	ND	0.460	0.493		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
MeFOSAA	2355-31-9	ND	0.476	0.493		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
EtFOSAA	2991-50-6	ND	0.429	0.493		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFUnA	2058-94-8	ND	0.171	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFDS	335-77-3	ND	0.431	0.493		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
11Cl-PF3OUdS	763051-92-9	ND	0.459	0.493		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
10:2 FTS	120226-60-0	ND	0.532	0.739		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFDoA	307-55-1	ND	0.134	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFTTrDA	72629-94-8	ND	0.107	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFDoS	79780-39-5	ND	0.193	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFTeDA	376-06-7	ND	0.169	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFHxDA	67905-19-5	ND	0.0760	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
PFODA	16517-11-6	ND	0.230	0.246		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
MeFOSE	24448-09-7	ND	2.20	2.96		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
EtFOSE	1691-99-2	ND	2.69	2.96		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	125	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C3-PFPeA	IS	73.2	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C3-PFBS	IS	81.5	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1

Sample ID: 1-1-2'

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-14	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 08:39	Date Received:	14-Apr-20 10:15		
Location:	406793			% Solids:	85.3		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	74.0	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C2-4:2 FTS	IS	90.1	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C2-PFHxA	IS	69.4	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C4-PFHpA	IS	72.1	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C3-PFHxS	IS	93.4	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C2-6:2 FTS	IS	91.2	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C5-PFNA	IS	69.7	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C8-PFOA	IS	53.6	10 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C2-PFOA	IS	70.1	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C8-PFOS	IS	78.3	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C2-PFDA	IS	61.2	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C2-8:2 FTS	IS	92.1	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
d3-MeFOSAA	IS	67.5	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C2-PFUnA	IS	59.1	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
d5-EtFOSAA	IS	68.8	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C2-10:2 FTS	IS	87.1	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C2-PFDoA	IS	61.2	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C2-PFTeDA	IS	49.2	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
13C2-PFHxDA	IS	27.6	25 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
d7-MeFOSE	IS	43.8	10 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1
d9-EtFOSE	IS	49.2	10 - 150		B0D0236	27-Apr-20	2.38 g	06-May-20 04:06	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 1-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-15	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 08:39	Date Received:	14-Apr-20 10:15		
Location:	406794			% Solids:	91.9		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.185	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFPeA	2706-90-3	ND	0.168	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFBS	375-73-5	ND	0.117	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
4:2 FTS	757124-72-4	ND	0.192	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFHxA	307-24-4	ND	0.120	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFPeS	2706-91-4	ND	0.257	0.499		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
HFPO-DA	13252-13-6	ND	0.530	0.749		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFHpA	375-85-9	ND	0.305	0.499		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
ADONA	919005-14-4	ND	0.174	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFHxS	355-46-4	ND	0.225	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
6:2 FTS	27619-97-2	ND	0.349	0.499		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFOA	335-67-1	ND	0.276	0.499		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFHpS	375-92-8	ND	0.346	0.499		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFNA	375-95-1	ND	0.199	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFOSA	754-91-6	ND	0.455	0.499		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFOS	1763-23-1	0.463	0.276	0.250	Q	B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
9Cl-PF3ONS	756426-58-1	ND	0.205	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFDA	335-76-2	ND	0.152	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
8:2 FTS	39108-34-4	ND	0.292	0.499		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFNS	68259-12-1	ND	0.466	0.499		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
MeFOSAA	2355-31-9	ND	0.482	0.499		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
EtFOSAA	2991-50-6	ND	0.435	0.499		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFUnA	2058-94-8	ND	0.174	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFDS	335-77-3	ND	0.437	0.499		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
11Cl-PF3OUdS	763051-92-9	ND	0.465	0.499		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
10:2 FTS	120226-60-0	ND	0.539	0.749		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFDoA	307-55-1	ND	0.136	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFTTrDA	72629-94-8	ND	0.109	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFDoS	79780-39-5	ND	0.196	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFTeDA	376-06-7	ND	0.172	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFHxDA	67905-19-5	ND	0.0771	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
PFODA	16517-11-6	ND	0.233	0.250		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
MeFOSE	24448-09-7	ND	2.23	3.00		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
EtFOSE	1691-99-2	ND	2.73	3.00		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	131	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C3-PFPeA	IS	79.3	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C3-PFBS	IS	90.8	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1

Sample ID: 1-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-15	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 08:39	Date Received:	14-Apr-20 10:15		
Location:	406794			% Solids:	91.9		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	77.5	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C2-4:2 FTS	IS	90.0	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C2-PFHxA	IS	73.5	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C4-PFHpA	IS	80.0	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C3-PFHxS	IS	101	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C2-6:2 FTS	IS	90.5	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C5-PFNA	IS	78.6	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C8-PFOA	IS	54.6	10 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C2-PFOA	IS	78.1	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C8-PFOS	IS	82.8	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C2-PFDA	IS	66.6	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C2-8:2 FTS	IS	82.7	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
d3-MeFOSAA	IS	73.4	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C2-PFUnA	IS	66.5	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
d5-EtFOSAA	IS	71.6	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C2-10:2 FTS	IS	65.4	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C2-PFDoA	IS	69.8	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C2-PFTeDA	IS	54.8	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
13C2-PFHxDA	IS	35.1	25 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
d7-MeFOSE	IS	44.2	10 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1
d9-EtFOSE	IS	44.7	10 - 150		B0D0236	27-Apr-20	2.18 g	06-May-20 04:16	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 2-1-2'
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-16	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 08:50	Date Received:	14-Apr-20 10:15		
Location:	406795			% Solids:	82.5		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.182	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFPeA	2706-90-3	ND	0.165	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFBS	375-73-5	ND	0.115	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
4:2 FTS	757124-72-4	ND	0.189	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFHxA	307-24-4	ND	0.118	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFPeS	2706-91-4	ND	0.253	0.492		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
HFPO-DA	13252-13-6	ND	0.523	0.739		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFHpA	375-85-9	ND	0.300	0.492		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
ADONA	919005-14-4	ND	0.171	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFHxS	355-46-4	ND	0.222	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
6:2 FTS	27619-97-2	ND	0.344	0.492		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFOA	335-67-1	ND	0.272	0.492		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFHpS	375-92-8	ND	0.341	0.492		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFNA	375-95-1	ND	0.196	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFOSA	754-91-6	ND	0.449	0.492		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFOS	1763-23-1	ND	0.272	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
9Cl-PF3ONS	756426-58-1	ND	0.202	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFDA	335-76-2	ND	0.150	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
8:2 FTS	39108-34-4	ND	0.288	0.492		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFNS	68259-12-1	ND	0.460	0.492		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
MeFOSAA	2355-31-9	ND	0.476	0.492		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
EtFOSAA	2991-50-6	ND	0.429	0.492		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFUnA	2058-94-8	ND	0.171	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFDS	335-77-3	ND	0.431	0.492		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
11Cl-PF3OUdS	763051-92-9	ND	0.459	0.492		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
10:2 FTS	120226-60-0	ND	0.532	0.739		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFDoA	307-55-1	ND	0.134	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFTTrDA	72629-94-8	ND	0.107	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFDoS	79780-39-5	ND	0.193	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFTeDA	376-06-7	ND	0.169	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFHxDA	67905-19-5	ND	0.0760	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
PFODA	16517-11-6	ND	0.229	0.246		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
MeFOSE	24448-09-7	ND	2.20	2.95		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
EtFOSE	1691-99-2	ND	2.69	2.95		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	124	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C3-PFPeA	IS	73.0	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C3-PFBS	IS	84.2	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1

Sample ID: 2-1-2'

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-16	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 08:50	Date Received:	14-Apr-20 10:15		
Location:	406795			% Solids:	82.5		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	69.1	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C2-4:2 FTS	IS	86.0	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C2-PFHxA	IS	70.1	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C4-PFHpA	IS	73.3	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C3-PFHxS	IS	93.8	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C2-6:2 FTS	IS	90.3	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C5-PFNA	IS	75.1	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C8-PFOA	IS	49.9	10 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C2-PFOA	IS	70.9	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C8-PFOS	IS	80.4	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C2-PFDA	IS	65.4	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C2-8:2 FTS	IS	82.8	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
d3-MeFOSAA	IS	66.8	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C2-PFUnA	IS	63.4	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
d5-EtFOSAA	IS	62.2	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C2-10:2 FTS	IS	72.7	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C2-PFDoA	IS	65.7	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C2-PFTeDA	IS	50.6	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
13C2-PFHxDA	IS	40.4	25 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
d7-MeFOSE	IS	37.1	10 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1
d9-EtFOSE	IS	40.6	10 - 150		B0D0236	27-Apr-20	2.46 g	06-May-20 04:27	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 2-AG'
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-17	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 08:50	Date Received:	14-Apr-20 10:15		
Location:	406796			% Solids:	96.1		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.185	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFPeA	2706-90-3	ND	0.168	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFBS	375-73-5	ND	0.117	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
4:2 FTS	757124-72-4	ND	0.192	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFHxA	307-24-4	ND	0.120	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFPeS	2706-91-4	ND	0.257	0.500		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
HFPO-DA	13252-13-6	ND	0.531	0.751		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFHpA	375-85-9	ND	0.305	0.500		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
ADONA	919005-14-4	ND	0.174	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFHxS	355-46-4	ND	0.225	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
6:2 FTS	27619-97-2	ND	0.349	0.500		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFOA	335-67-1	ND	0.276	0.500		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFHpS	375-92-8	ND	0.346	0.500		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFNA	375-95-1	ND	0.199	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFOSA	754-91-6	ND	0.456	0.500		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFOS	1763-23-1	ND	0.276	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
9Cl-PF3ONS	756426-58-1	ND	0.205	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFDA	335-76-2	ND	0.152	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
8:2 FTS	39108-34-4	ND	0.292	0.500		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFNS	68259-12-1	ND	0.467	0.500		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
MeFOSAA	2355-31-9	ND	0.483	0.500		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
EtFOSAA	2991-50-6	ND	0.436	0.500		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFUnA	2058-94-8	ND	0.174	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFDS	335-77-3	ND	0.438	0.500		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
11Cl-PF3OUdS	763051-92-9	ND	0.466	0.500		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
10:2 FTS	120226-60-0	ND	0.540	0.751		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFDoA	307-55-1	ND	0.136	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFTTrDA	72629-94-8	ND	0.109	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFDoS	79780-39-5	ND	0.196	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFTeDA	376-06-7	ND	0.172	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFHxDA	67905-19-5	ND	0.0773	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
PFODA	16517-11-6	ND	0.233	0.250		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
MeFOSE	24448-09-7	ND	2.23	3.00		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
EtFOSE	1691-99-2	ND	2.73	3.00		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	144	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C3-PFPeA	IS	87.2	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C3-PFBS	IS	94.3	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1

Sample ID: 2-AG'
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-17	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 08:50	Date Received:	14-Apr-20 10:15		
Location:	406796			% Solids:	96.1		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	85.3	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C2-4:2 FTS	IS	90.9	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C2-PFHxA	IS	78.0	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C4-PFHpA	IS	85.8	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C3-PFHxS	IS	92.2	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C2-6:2 FTS	IS	89.2	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C5-PFNA	IS	85.9	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C8-PFOA	IS	53.2	10 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C2-PFOA	IS	80.1	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C8-PFOS	IS	82.5	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C2-PFDA	IS	72.1	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C2-8:2 FTS	IS	81.3	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
d3-MeFOSAA	IS	73.1	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C2-PFUnA	IS	60.8	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
d5-EtFOSAA	IS	68.2	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C2-10:2 FTS	IS	63.2	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C2-PFDoA	IS	64.8	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C2-PFTeDA	IS	55.1	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
13C2-PFHxDA	IS	54.8	25 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
d7-MeFOSE	IS	26.5	10 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1
d9-EtFOSE	IS	29.6	10 - 150		B0D0236	27-Apr-20	2.08 g	06-May-20 04:37	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 3-1-2'
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-18	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 09:20	Date Received:	14-Apr-20 10:15		
Location:	406797			% Solids:	80.6		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.182	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFPeA	2706-90-3	ND	0.165	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFBS	375-73-5	ND	0.115	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
4:2 FTS	757124-72-4	ND	0.188	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFHxA	307-24-4	ND	0.118	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFPeS	2706-91-4	ND	0.252	0.491		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
HFPO-DA	13252-13-6	ND	0.521	0.736		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFHpA	375-85-9	ND	0.299	0.491		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
ADONA	919005-14-4	ND	0.171	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFHxS	355-46-4	ND	0.221	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
6:2 FTS	27619-97-2	ND	0.343	0.491		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFOA	335-67-1	ND	0.271	0.491		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFHpS	375-92-8	ND	0.340	0.491		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFNA	375-95-1	ND	0.195	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFOSA	754-91-6	ND	0.448	0.491		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFOS	1763-23-1	ND	0.271	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
9Cl-PF3ONS	756426-58-1	ND	0.201	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFDA	335-76-2	ND	0.149	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
8:2 FTS	39108-34-4	ND	0.287	0.491		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFNS	68259-12-1	ND	0.458	0.491		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
MeFOSAA	2355-31-9	ND	0.474	0.491		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
EtFOSAA	2991-50-6	ND	0.428	0.491		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFUnA	2058-94-8	ND	0.171	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFDS	335-77-3	ND	0.430	0.491		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
11Cl-PF3OUdS	763051-92-9	ND	0.457	0.491		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
10:2 FTS	120226-60-0	ND	0.530	0.736		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFDoA	307-55-1	ND	0.133	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFTTrDA	72629-94-8	ND	0.107	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFDoS	79780-39-5	ND	0.192	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFTeDA	376-06-7	ND	0.169	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFHxDA	67905-19-5	ND	0.0758	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
PFODA	16517-11-6	ND	0.229	0.245		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
MeFOSE	24448-09-7	ND	2.19	2.94		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
EtFOSE	1691-99-2	ND	2.68	2.94		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	120	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C3-PFPeA	IS	68.3	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C3-PFBS	IS	94.6	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1

Sample ID: 3-1-2'

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-18	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 09:20	Date Received:	14-Apr-20 10:15		
Location:	406797			% Solids:	80.6		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	64.5	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C2-4:2 FTS	IS	93.8	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C2-PFHxA	IS	65.0	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C4-PFHpA	IS	70.3	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C3-PFHxS	IS	101	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C2-6:2 FTS	IS	95.7	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C5-PFNA	IS	67.2	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C8-PFOA	IS	52.6	10 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C2-PFOA	IS	67.4	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C8-PFOS	IS	87.7	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C2-PFDA	IS	58.0	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C2-8:2 FTS	IS	80.1	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
d3-MeFOSAA	IS	70.1	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C2-PFUnA	IS	57.1	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
d5-EtFOSAA	IS	68.5	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C2-10:2 FTS	IS	80.9	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C2-PFDoA	IS	60.9	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C2-PFTeDA	IS	47.4	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
13C2-PFHxDA	IS	37.0	25 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
d7-MeFOSE	IS	39.7	10 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1
d9-EtFOSE	IS	40.7	10 - 150		B0D0236	27-Apr-20	2.53 g	06-May-20 04:48	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 3-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-19	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 09:20	Date Received:	14-Apr-20 10:15		
Location:	406798			% Solids:	90.0		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.183	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFPeA	2706-90-3	ND	0.167	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFBS	375-73-5	ND	0.116	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
4:2 FTS	757124-72-4	ND	0.190	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFHxA	307-24-4	ND	0.119	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFPeS	2706-91-4	ND	0.255	0.496		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
HFPO-DA	13252-13-6	ND	0.527	0.744		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFHpA	375-85-9	ND	0.303	0.496		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
ADONA	919005-14-4	ND	0.173	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFHxS	355-46-4	ND	0.223	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
6:2 FTS	27619-97-2	ND	0.346	0.496		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFOA	335-67-1	ND	0.274	0.496		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFHpS	375-92-8	ND	0.343	0.496		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFNA	375-95-1	ND	0.197	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFOSA	754-91-6	ND	0.452	0.496		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFOS	1763-23-1	ND	0.274	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
9Cl-PF3ONS	756426-58-1	ND	0.203	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFDA	335-76-2	ND	0.151	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
8:2 FTS	39108-34-4	ND	0.290	0.496		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFNS	68259-12-1	ND	0.463	0.496		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
MeFOSAA	2355-31-9	ND	0.479	0.496		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
EtFOSAA	2991-50-6	ND	0.432	0.496		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFUnA	2058-94-8	ND	0.173	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFDS	335-77-3	ND	0.434	0.496		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
11Cl-PF3OUdS	763051-92-9	ND	0.462	0.496		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
10:2 FTS	120226-60-0	ND	0.536	0.744		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFDoA	307-55-1	ND	0.135	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFTrDA	72629-94-8	ND	0.108	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFDoS	79780-39-5	ND	0.194	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFTeDA	376-06-7	ND	0.171	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFHxDA	67905-19-5	ND	0.0766	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
PFODA	16517-11-6	ND	0.231	0.248		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
MeFOSE	24448-09-7	ND	2.21	2.98		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
EtFOSE	1691-99-2	ND	2.71	2.98		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	149	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C3-PFPeA	IS	89.7	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C3-PFBS	IS	97.4	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1

Sample ID: 3-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-19	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 09:20	Date Received:	14-Apr-20 10:15		
Location:	406798			% Solids:	90.0		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	86.3	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C2-4:2 FTS	IS	93.9	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C2-PFHxA	IS	83.0	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C4-PFHpA	IS	85.9	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C3-PFHxS	IS	105	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C2-6:2 FTS	IS	95.3	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C5-PFNA	IS	87.6	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C8-PFOA	IS	50.9	10 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C2-PFOA	IS	84.1	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C8-PFOS	IS	83.2	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C2-PFDA	IS	75.0	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C2-8:2 FTS	IS	89.7	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
d3-MeFOSAA	IS	82.7	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C2-PFUnA	IS	74.0	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
d5-EtFOSAA	IS	82.1	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C2-10:2 FTS	IS	83.0	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C2-PFDoA	IS	74.3	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C2-PFTeDA	IS	68.8	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
13C2-PFHxDA	IS	66.0	25 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
d7-MeFOSE	IS	36.8	10 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1
d9-EtFOSE	IS	40.3	10 - 150		B0D0236	27-Apr-20	2.24 g	06-May-20 04:58	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 4-1-2'
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-20	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 10:30	Date Received:	14-Apr-20 10:15		
Location:	406799			% Solids:	83.5		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.182	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFPeA	2706-90-3	ND	0.166	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFBS	375-73-5	ND	0.115	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
4:2 FTS	757124-72-4	ND	0.189	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFHxA	307-24-4	ND	0.118	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFPeS	2706-91-4	ND	0.253	0.493		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
HFPO-DA	13252-13-6	ND	0.524	0.740		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFHpA	375-85-9	ND	0.301	0.493		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
ADONA	919005-14-4	ND	0.172	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFHxS	355-46-4	ND	0.222	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
6:2 FTS	27619-97-2	ND	0.344	0.493		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFOA	335-67-1	ND	0.272	0.493		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFHpS	375-92-8	ND	0.341	0.493		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFNA	375-95-1	ND	0.196	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFOSA	754-91-6	ND	0.450	0.493		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFOS	1763-23-1	ND	0.272	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
9Cl-PF3ONS	756426-58-1	ND	0.202	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFDA	335-76-2	ND	0.150	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
8:2 FTS	39108-34-4	ND	0.288	0.493		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFNS	68259-12-1	ND	0.461	0.493		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
MeFOSAA	2355-31-9	ND	0.476	0.493		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
EtFOSAA	2991-50-6	ND	0.430	0.493		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFUnA	2058-94-8	ND	0.172	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFDS	335-77-3	ND	0.432	0.493		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
11Cl-PF3OUdS	763051-92-9	ND	0.460	0.493		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
10:2 FTS	120226-60-0	ND	0.533	0.740		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFDoA	307-55-1	ND	0.134	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFTTrDA	72629-94-8	ND	0.107	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFDoS	79780-39-5	ND	0.193	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFTeDA	376-06-7	ND	0.170	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFHxDA	67905-19-5	ND	0.0761	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
PFODA	16517-11-6	ND	0.230	0.247		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
MeFOSE	24448-09-7	ND	2.20	2.96		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
EtFOSE	1691-99-2	ND	2.69	2.96		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	129	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C3-PFPeA	IS	78.2	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C3-PFBS	IS	87.6	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1

Sample ID: 4-1-2'

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-20	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 10:30	Date Received:	14-Apr-20 10:15		
Location:	406799			% Solids:	83.5		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	76.2	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C2-4:2 FTS	IS	98.6	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C2-PFHxA	IS	74.9	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C4-PFHpA	IS	76.2	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C3-PFHxS	IS	102	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C2-6:2 FTS	IS	93.3	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C5-PFNA	IS	76.1	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C8-PFOA	IS	56.7	10 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C2-PFOA	IS	75.9	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C8-PFOS	IS	82.4	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C2-PFDA	IS	66.3	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C2-8:2 FTS	IS	89.1	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
d3-MeFOSAA	IS	69.3	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C2-PFUnA	IS	65.7	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
d5-EtFOSAA	IS	69.9	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C2-10:2 FTS	IS	74.7	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C2-PFDoA	IS	68.1	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C2-PFTeDA	IS	54.5	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
13C2-PFHxDA	IS	42.7	25 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
d7-MeFOSE	IS	43.0	10 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1
d9-EtFOSE	IS	45.3	10 - 150		B0D0236	27-Apr-20	2.43 g	06-May-20 05:09	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 4-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-21	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 10:30	Date Received:	14-Apr-20 10:15		
Location:	406800			% Solids:	91.7		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.182	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFPeA	2706-90-3	ND	0.165	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFBS	375-73-5	ND	0.115	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
4:2 FTS	757124-72-4	ND	0.189	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFHxA	307-24-4	ND	0.118	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFPeS	2706-91-4	ND	0.252	0.491		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
HFPO-DA	13252-13-6	ND	0.521	0.736		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFHpA	375-85-9	ND	0.300	0.491		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
ADONA	919005-14-4	ND	0.171	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFHxS	355-46-4	ND	0.221	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
6:2 FTS	27619-97-2	ND	0.343	0.491		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFOA	335-67-1	ND	0.271	0.491		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFHpS	375-92-8	ND	0.340	0.491		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFNA	375-95-1	ND	0.195	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFOSA	754-91-6	ND	0.448	0.491		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFOS	1763-23-1	ND	0.271	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
9Cl-PF3ONS	756426-58-1	ND	0.201	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFDA	335-76-2	ND	0.149	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
8:2 FTS	39108-34-4	ND	0.287	0.491		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFNS	68259-12-1	ND	0.459	0.491		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
MeFOSAA	2355-31-9	ND	0.474	0.491		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
EtFOSAA	2991-50-6	ND	0.428	0.491		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFUnA	2058-94-8	ND	0.171	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFDS	335-77-3	ND	0.430	0.491		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
11Cl-PF3OUdS	763051-92-9	ND	0.458	0.491		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
10:2 FTS	120226-60-0	ND	0.530	0.736		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFDoA	307-55-1	ND	0.134	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFTTrDA	72629-94-8	ND	0.107	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFDoS	79780-39-5	ND	0.192	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFTeDA	376-06-7	ND	0.169	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFHxDA	67905-19-5	ND	0.0758	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
PFODA	16517-11-6	ND	0.229	0.245		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
MeFOSE	24448-09-7	ND	2.19	2.95		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
EtFOSE	1691-99-2	ND	2.68	2.95		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	166	25 - 150	H	B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C3-PFPeA	IS	96.3	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C3-PFBS	IS	103	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1

Sample ID: 4-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-21	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 10:30	Date Received:	14-Apr-20 10:15		
Location:	406800			% Solids:	91.7		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	91.9	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C2-4:2 FTS	IS	102	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C2-PFHxA	IS	90.3	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C4-PFHpA	IS	94.2	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C3-PFHxS	IS	110	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C2-6:2 FTS	IS	99.5	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C5-PFNA	IS	92.0	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C8-PFOA	IS	61.7	10 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C2-PFOA	IS	91.3	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C8-PFOS	IS	81.8	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C2-PFDA	IS	74.7	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C2-8:2 FTS	IS	86.5	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
d3-MeFOSAA	IS	75.6	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C2-PFUnA	IS	71.8	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
d5-EtFOSAA	IS	73.5	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C2-10:2 FTS	IS	90.5	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C2-PFDoA	IS	76.3	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C2-PFTeDA	IS	71.4	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
13C2-PFHxDA	IS	65.7	25 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
d7-MeFOSE	IS	41.4	10 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1
d9-EtFOSE	IS	45.7	10 - 150		B0D0236	27-Apr-20	2.22 g	06-May-20 05:19	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 5-1-2'
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-22	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 10:55	Date Received:	14-Apr-20 10:15		
Location:	406801			% Solids:	82.5		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.182	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFPeA	2706-90-3	ND	0.165	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFBS	375-73-5	ND	0.115	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
4:2 FTS	757124-72-4	ND	0.189	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFHxA	307-24-4	ND	0.118	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFPeS	2706-91-4	ND	0.252	0.491		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
HFPO-DA	13252-13-6	ND	0.521	0.737		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFHpA	375-85-9	ND	0.300	0.491		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
ADONA	919005-14-4	ND	0.171	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFHxS	355-46-4	ND	0.221	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
6:2 FTS	27619-97-2	ND	0.343	0.491		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFOA	335-67-1	ND	0.271	0.491		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFHpS	375-92-8	ND	0.340	0.491		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFNA	375-95-1	ND	0.195	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFOSA	754-91-6	ND	0.448	0.491		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFOS	1763-23-1	ND	0.271	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
9Cl-PF3ONS	756426-58-1	ND	0.201	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFDA	335-76-2	ND	0.149	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
8:2 FTS	39108-34-4	ND	0.287	0.491		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFNS	68259-12-1	ND	0.459	0.491		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
MeFOSAA	2355-31-9	ND	0.474	0.491		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
EtFOSAA	2991-50-6	ND	0.428	0.491		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFUnA	2058-94-8	ND	0.171	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFDS	335-77-3	ND	0.430	0.491		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
11Cl-PF3OUdS	763051-92-9	ND	0.458	0.491		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
10:2 FTS	120226-60-0	ND	0.530	0.737		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFDoA	307-55-1	ND	0.134	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFTTrDA	72629-94-8	ND	0.107	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFDoS	79780-39-5	ND	0.192	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFTeDA	376-06-7	ND	0.169	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFHxDA	67905-19-5	ND	0.0758	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
PFODA	16517-11-6	ND	0.229	0.246		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
MeFOSE	24448-09-7	ND	2.19	2.95		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
EtFOSE	1691-99-2	ND	2.68	2.95		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	128	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C3-PFPeA	IS	75.5	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C3-PFBS	IS	95.8	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1

Sample ID: 5-1-2'

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-22	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 10:55	Date Received:	14-Apr-20 10:15		
Location:	406801			% Solids:	82.5		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	70.4	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C2-4:2 FTS	IS	99.3	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C2-PFHxA	IS	70.2	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C4-PFHpA	IS	73.6	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C3-PFHxS	IS	105	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C2-6:2 FTS	IS	96.4	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C5-PFNA	IS	67.8	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C8-PFOA	IS	54.8	10 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C2-PFOA	IS	67.7	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C8-PFOS	IS	79.6	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C2-PFDA	IS	59.2	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C2-8:2 FTS	IS	89.5	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
d3-MeFOSAA	IS	73.5	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C2-PFUnA	IS	58.0	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
d5-EtFOSAA	IS	72.2	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C2-10:2 FTS	IS	79.4	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C2-PFDoA	IS	63.9	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C2-PFTeDA	IS	49.4	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
13C2-PFHxDA	IS	38.0	25 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
d7-MeFOSE	IS	42.2	10 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1
d9-EtFOSE	IS	45.1	10 - 150		B0D0236	27-Apr-20	2.47 g	06-May-20 05:30	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 5-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-23	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 10:55	Date Received:	14-Apr-20 10:15		
Location:	406802			% Solids:	92.6		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.182	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFPeA	2706-90-3	ND	0.165	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFBS	375-73-5	ND	0.115	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
4:2 FTS	757124-72-4	ND	0.189	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFHxA	307-24-4	ND	0.118	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFPeS	2706-91-4	ND	0.252	0.491		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
HFPO-DA	13252-13-6	ND	0.521	0.737		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFHpA	375-85-9	ND	0.300	0.491		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
ADONA	919005-14-4	ND	0.171	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFHxS	355-46-4	ND	0.221	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
6:2 FTS	27619-97-2	ND	0.343	0.491		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFOA	335-67-1	ND	0.271	0.491		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFHpS	375-92-8	ND	0.340	0.491		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFNA	375-95-1	ND	0.195	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFOSA	754-91-6	ND	0.448	0.491		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFOS	1763-23-1	ND	0.271	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
9Cl-PF3ONS	756426-58-1	ND	0.201	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFDA	335-76-2	ND	0.149	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
8:2 FTS	39108-34-4	ND	0.287	0.491		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFNS	68259-12-1	ND	0.459	0.491		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
MeFOSAA	2355-31-9	ND	0.474	0.491		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
EtFOSAA	2991-50-6	ND	0.428	0.491		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFUnA	2058-94-8	ND	0.171	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFDS	335-77-3	ND	0.430	0.491		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
11Cl-PF3OUdS	763051-92-9	ND	0.458	0.491		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
10:2 FTS	120226-60-0	ND	0.530	0.737		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFDoA	307-55-1	ND	0.134	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFTTrDA	72629-94-8	ND	0.107	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFDoS	79780-39-5	ND	0.192	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFTeDA	376-06-7	ND	0.169	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFHxDA	67905-19-5	ND	0.0758	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
PFODA	16517-11-6	ND	0.229	0.246		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
MeFOSE	24448-09-7	ND	2.19	2.95		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
EtFOSE	1691-99-2	ND	2.68	2.95		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	153	25 - 150	H	B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C3-PFPeA	IS	89.4	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C3-PFBS	IS	97.1	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1

Sample ID: 5-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-23	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 10:55	Date Received:	14-Apr-20 10:15		
Location:	406802			% Solids:	92.6		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	84.3	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C2-4:2 FTS	IS	95.4	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C2-PFHxA	IS	87.2	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C4-PFHpA	IS	90.2	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C3-PFHxS	IS	105	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C2-6:2 FTS	IS	94.7	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C5-PFNA	IS	92.7	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C8-PFOA	IS	57.6	10 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C2-PFOA	IS	87.9	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C8-PFOS	IS	91.1	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C2-PFDA	IS	79.2	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C2-8:2 FTS	IS	92.6	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
d3-MeFOSAA	IS	83.0	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C2-PFUnA	IS	71.8	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
d5-EtFOSAA	IS	84.4	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C2-10:2 FTS	IS	82.2	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C2-PFDoA	IS	68.5	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C2-PFTeDA	IS	58.2	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
13C2-PFHxDA	IS	64.1	25 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
d7-MeFOSE	IS	31.2	10 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1
d9-EtFOSE	IS	33.4	10 - 150		B0D0236	27-Apr-20	2.20 g	06-May-20 05:40	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 6-1-2'
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-24	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 11:40	Date Received:	14-Apr-20 10:15		
Location:	406804			% Solids:	92.1		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.185	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFPeA	2706-90-3	ND	0.168	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFBS	375-73-5	ND	0.117	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
4:2 FTS	757124-72-4	ND	0.192	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFHxA	307-24-4	ND	0.120	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFPeS	2706-91-4	ND	0.257	0.500		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
HFPO-DA	13252-13-6	ND	0.531	0.750		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFHpA	375-85-9	ND	0.305	0.500		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
ADONA	919005-14-4	ND	0.174	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFHxS	355-46-4	ND	0.225	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
6:2 FTS	27619-97-2	ND	0.349	0.500		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFOA	335-67-1	ND	0.276	0.500		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFHpS	375-92-8	ND	0.346	0.500		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFNA	375-95-1	ND	0.199	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFOSA	754-91-6	ND	0.456	0.500		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFOS	1763-23-1	0.446	0.276	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
9Cl-PF3ONS	756426-58-1	ND	0.205	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFDA	335-76-2	ND	0.152	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
8:2 FTS	39108-34-4	ND	0.292	0.500		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFNS	68259-12-1	ND	0.467	0.500		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
MeFOSAA	2355-31-9	ND	0.483	0.500		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
EtFOSAA	2991-50-6	ND	0.436	0.500		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFUnA	2058-94-8	ND	0.174	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFDS	335-77-3	ND	0.438	0.500		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
11Cl-PF3OUdS	763051-92-9	ND	0.466	0.500		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
10:2 FTS	120226-60-0	ND	0.540	0.750		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFDoA	307-55-1	ND	0.136	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFTTrDA	72629-94-8	ND	0.109	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFDoS	79780-39-5	ND	0.196	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFTeDA	376-06-7	ND	0.172	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFHxDA	67905-19-5	ND	0.0772	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
PFODA	16517-11-6	ND	0.233	0.250		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
MeFOSE	24448-09-7	ND	2.23	3.00		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
EtFOSE	1691-99-2	ND	2.73	3.00		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	138	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C3-PFPeA	IS	80.4	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C3-PFBS	IS	94.1	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1

Sample ID: 6-1-2'

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-24	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 11:40	Date Received:	14-Apr-20 10:15		
Location:	406804			% Solids:	92.1		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	77.4	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C2-4:2 FTS	IS	94.1	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C2-PFHxA	IS	76.0	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C4-PFHpA	IS	82.9	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C3-PFHxS	IS	100	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C2-6:2 FTS	IS	86.9	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C5-PFNA	IS	76.7	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C8-PFOA	IS	45.1	10 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C2-PFOA	IS	73.7	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C8-PFOS	IS	77.8	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C2-PFDA	IS	68.6	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C2-8:2 FTS	IS	90.5	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
d3-MeFOSAA	IS	72.4	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C2-PFUnA	IS	67.6	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
d5-EtFOSAA	IS	72.1	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C2-10:2 FTS	IS	78.5	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C2-PFDoA	IS	69.2	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C2-PFTeDA	IS	57.1	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
13C2-PFHxDA	IS	52.0	25 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
d7-MeFOSE	IS	34.0	10 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1
d9-EtFOSE	IS	34.8	10 - 150		B0D0236	27-Apr-20	2.17 g	06-May-20 06:12	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 6-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-25	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 11:40	Date Received:	14-Apr-20 10:15		
Location:	406805			% Solids:	95.2		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.184	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFPeA	2706-90-3	ND	0.167	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFBS	375-73-5	ND	0.116	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
4:2 FTS	757124-72-4	ND	0.191	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFHxA	307-24-4	ND	0.119	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFPeS	2706-91-4	ND	0.256	0.498		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
HFPO-DA	13252-13-6	ND	0.529	0.747		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFHpA	375-85-9	ND	0.304	0.498		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
ADONA	919005-14-4	ND	0.173	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFHxS	355-46-4	ND	0.224	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
6:2 FTS	27619-97-2	ND	0.347	0.498		B0D0237	27-Apr-20	2.11 g	06-May-20 12:33	1
PFOA	335-67-1	ND	0.275	0.498		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFHpS	375-92-8	ND	0.344	0.498		B0D0237	27-Apr-20	2.11 g	06-May-20 12:33	1
PFNA	375-95-1	ND	0.198	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFOSA	754-91-6	ND	0.454	0.498		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFOS	1763-23-1	1.15	0.275	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
9Cl-PF3ONS	756426-58-1	ND	0.204	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFDA	335-76-2	ND	0.151	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
8:2 FTS	39108-34-4	ND	0.291	0.498		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFNS	68259-12-1	ND	0.465	0.498		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
MeFOSAA	2355-31-9	ND	0.481	0.498		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
EtFOSAA	2991-50-6	ND	0.434	0.498		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFUnA	2058-94-8	ND	0.173	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFDS	335-77-3	ND	0.436	0.498		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
11Cl-PF3OUdS	763051-92-9	ND	0.464	0.498		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
10:2 FTS	120226-60-0	ND	0.538	0.747		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFDoA	307-55-1	ND	0.135	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFTTrDA	72629-94-8	ND	0.109	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFDoS	79780-39-5	ND	0.195	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFTeDA	376-06-7	ND	0.171	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFHxDA	67905-19-5	ND	0.0768	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
PFODA	16517-11-6	ND	0.232	0.249		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
MeFOSE	24448-09-7	ND	2.22	2.99		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
EtFOSE	1691-99-2	ND	2.72	2.99		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	98.3	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C3-PFPeA	IS	81.0	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C3-PFBS	IS	95.6	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1

Sample ID: 6-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-25	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 11:40	Date Received:	14-Apr-20 10:15		
Location:	406805			% Solids:	95.2		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	79.3	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C2-4:2 FTS	IS	96.5	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C2-PFHxA	IS	86.3	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C4-PFHpA	IS	75.1	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C3-PFHxS	IS	94.3	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C2-6:2 FTS	IS	57.4	25 - 150		B0D0237	27-Apr-20	2.11 g	06-May-20 12:33	1
13C5-PFNA	IS	59.5	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C8-PFOA	IS	42.9	10 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C2-PFOA	IS	70.8	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C8-PFOS	IS	78.7	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C2-PFDA	IS	77.2	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C2-8:2 FTS	IS	68.2	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
d3-MeFOSAA	IS	71.9	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C2-PFUnA	IS	70.3	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
d5-EtFOSAA	IS	64.7	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C2-10:2 FTS	IS	83.9	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C2-PFDoA	IS	88.9	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C2-PFTeDA	IS	77.3	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
13C2-PFHxDA	IS	72.5	25 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
d7-MeFOSE	IS	25.0	10 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1
d9-EtFOSE	IS	26.8	10 - 150		B0D0237	27-Apr-20	2.11 g	12-May-20 19:00	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 7-1-2'
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-26	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:00	Date Received:	14-Apr-20 10:15		
Location:	406806			% Solids:	86.4		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.184	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFPeA	2706-90-3	ND	0.167	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFBS	375-73-5	ND	0.116	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
4:2 FTS	757124-72-4	ND	0.191	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFHxA	307-24-4	ND	0.119	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFPeS	2706-91-4	ND	0.255	0.497		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
HFPO-DA	13252-13-6	ND	0.527	0.745		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFHpA	375-85-9	ND	0.303	0.497		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
ADONA	919005-14-4	ND	0.173	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFHxS	355-46-4	ND	0.223	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
6:2 FTS	27619-97-2	ND	0.347	0.497		B0D0237	27-Apr-20	2.33 g	06-May-20 12:43	1
PFOA	335-67-1	ND	0.274	0.497		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFHpS	375-92-8	ND	0.344	0.497		B0D0237	27-Apr-20	2.33 g	06-May-20 12:43	1
PFNA	375-95-1	ND	0.198	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFOSA	754-91-6	ND	0.453	0.497		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFOS	1763-23-1	ND	0.274	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
9Cl-PF3ONS	756426-58-1	ND	0.204	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFDA	335-76-2	ND	0.151	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
8:2 FTS	39108-34-4	ND	0.290	0.497		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFNS	68259-12-1	ND	0.464	0.497		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
MeFOSAA	2355-31-9	ND	0.480	0.497		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
EtFOSAA	2991-50-6	ND	0.433	0.497		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFUnA	2058-94-8	ND	0.173	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFDS	335-77-3	ND	0.435	0.497		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
11Cl-PF3OUdS	763051-92-9	ND	0.463	0.497		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
10:2 FTS	120226-60-0	ND	0.536	0.745		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFDoA	307-55-1	ND	0.135	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFTTrDA	72629-94-8	ND	0.108	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFDoS	79780-39-5	ND	0.195	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFTeDA	376-06-7	ND	0.171	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFHxDA	67905-19-5	ND	0.0767	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
PFODA	16517-11-6	ND	0.231	0.248		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
MeFOSE	24448-09-7	ND	2.21	2.98		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
EtFOSE	1691-99-2	ND	2.71	2.98		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	103	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C3-PFPeA	IS	82.8	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C3-PFBS	IS	94.2	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1

Sample ID: 7-1-2'

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-26	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:00	Date Received:	14-Apr-20 10:15		
Location:	406806			% Solids:	86.4		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	81.9	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C2-4:2 FTS	IS	103	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C2-PFHxA	IS	87.5	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C4-PFHpA	IS	77.4	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C3-PFHxS	IS	91.8	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C2-6:2 FTS	IS	71.1	25 - 150		B0D0237	27-Apr-20	2.33 g	06-May-20 12:43	1
13C5-PFNA	IS	59.7	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C8-PFOA	IS	78.5	10 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C2-PFOA	IS	68.5	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C8-PFOS	IS	72.6	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C2-PFDA	IS	76.4	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C2-8:2 FTS	IS	94.2	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
d3-MeFOSAA	IS	81.5	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C2-PFUnA	IS	76.2	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
d5-EtFOSAA	IS	78.5	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C2-10:2 FTS	IS	104	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C2-PFDoA	IS	102	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C2-PFTeDA	IS	76.6	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
13C2-PFHxDA	IS	66.7	25 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
d7-MeFOSE	IS	53.9	10 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1
d9-EtFOSE	IS	55.2	10 - 150		B0D0237	27-Apr-20	2.33 g	12-May-20 19:11	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 7-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-27	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:00	Date Received:	14-Apr-20 10:15		
Location:	406807			% Solids:	87.6		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.185	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFPeA	2706-90-3	ND	0.168	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFBS	375-73-5	ND	0.117	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
4:2 FTS	757124-72-4	ND	0.192	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFHxA	307-24-4	ND	0.120	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFPeS	2706-91-4	ND	0.257	0.501		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
HFPO-DA	13252-13-6	ND	0.532	0.751		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFHpA	375-85-9	ND	0.305	0.501		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
ADONA	919005-14-4	ND	0.174	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFHxS	355-46-4	ND	0.225	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
6:2 FTS	27619-97-2	ND	0.349	0.501		B0D0237	27-Apr-20	2.28 g	06-May-20 12:54	1
PFOA	335-67-1	ND	0.276	0.501		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFHpS	375-92-8	ND	0.346	0.501		B0D0237	27-Apr-20	2.28 g	06-May-20 12:54	1
PFNA	375-95-1	ND	0.199	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFOSA	754-91-6	ND	0.457	0.501		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFOS	1763-23-1	ND	0.276	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
9Cl-PF3ONS	756426-58-1	ND	0.205	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFDA	335-76-2	ND	0.152	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
8:2 FTS	39108-34-4	ND	0.292	0.501		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFNS	68259-12-1	ND	0.468	0.501		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
MeFOSAA	2355-31-9	ND	0.484	0.501		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
EtFOSAA	2991-50-6	ND	0.436	0.501		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFUnA	2058-94-8	ND	0.174	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFDS	335-77-3	ND	0.438	0.501		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
11Cl-PF3OUdS	763051-92-9	ND	0.467	0.501		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
10:2 FTS	120226-60-0	ND	0.541	0.751		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFDoA	307-55-1	ND	0.136	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFTTrDA	72629-94-8	ND	0.109	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFDoS	79780-39-5	ND	0.196	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFTeDA	376-06-7	ND	0.172	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFHxDA	67905-19-5	ND	0.0773	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
PFODA	16517-11-6	ND	0.233	0.250		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
MeFOSE	24448-09-7	ND	2.23	3.00		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
EtFOSE	1691-99-2	ND	2.73	3.00		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	111	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C3-PFPeA	IS	90.5	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C3-PFBS	IS	100	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1

Sample ID: 7-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-27	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:00	Date Received:	14-Apr-20 10:15		
Location:	406807			% Solids:	87.6		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	89.7	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C2-4:2 FTS	IS	104	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C2-PFHxA	IS	97.2	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C4-PFHpA	IS	88.0	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C3-PFHxS	IS	91.3	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C2-6:2 FTS	IS	85.4	25 - 150		B0D0237	27-Apr-20	2.28 g	06-May-20 12:54	1
13C5-PFNA	IS	69.9	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C8-PFOA	IS	50.9	10 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C2-PFOA	IS	80.9	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C8-PFOS	IS	81.7	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C2-PFDA	IS	74.3	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C2-8:2 FTS	IS	79.2	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
d3-MeFOSAA	IS	64.7	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C2-PFUnA	IS	71.7	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
d5-EtFOSAA	IS	78.8	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C2-10:2 FTS	IS	95.0	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C2-PFDoA	IS	86.3	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C2-PFTeDA	IS	64.4	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
13C2-PFHxDA	IS	70.0	25 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
d7-MeFOSE	IS	35.8	10 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1
d9-EtFOSE	IS	32.6	10 - 150		B0D0237	27-Apr-20	2.28 g	12-May-20 19:52	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 8-1-2'
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-28	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:20	Date Received:	14-Apr-20 10:15		
Location:	406808			% Solids:	93.3		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.184	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFPeA	2706-90-3	ND	0.168	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFBS	375-73-5	ND	0.117	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
4:2 FTS	757124-72-4	ND	0.191	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFHxA	307-24-4	ND	0.120	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFPeS	2706-91-4	ND	0.256	0.499		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
HFPO-DA	13252-13-6	ND	0.529	0.748		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFHpA	375-85-9	ND	0.304	0.499		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
ADONA	919005-14-4	ND	0.173	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFHxS	355-46-4	ND	0.224	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
6:2 FTS	27619-97-2	ND	0.348	0.499		B0D0237	27-Apr-20	2.15 g	06-May-20 13:04	1
PFOA	335-67-1	ND	0.275	0.499		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFHpS	375-92-8	ND	0.345	0.499		B0D0237	27-Apr-20	2.15 g	06-May-20 13:04	1
PFNA	375-95-1	ND	0.198	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFOSA	754-91-6	ND	0.455	0.499		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFOS	1763-23-1	0.518	0.275	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
9Cl-PF3ONS	756426-58-1	ND	0.204	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFDA	335-76-2	ND	0.152	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
8:2 FTS	39108-34-4	ND	0.291	0.499		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFNS	68259-12-1	ND	0.466	0.499		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
MeFOSAA	2355-31-9	ND	0.482	0.499		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
EtFOSAA	2991-50-6	ND	0.435	0.499		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFUnA	2058-94-8	ND	0.173	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFDS	335-77-3	ND	0.437	0.499		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
11Cl-PF3OUdS	763051-92-9	ND	0.465	0.499		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
10:2 FTS	120226-60-0	ND	0.538	0.748		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFDoA	307-55-1	ND	0.136	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFTTrDA	72629-94-8	ND	0.109	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFDoS	79780-39-5	ND	0.195	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFTeDA	376-06-7	ND	0.172	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFHxDA	67905-19-5	ND	0.0770	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
PFODA	16517-11-6	ND	0.232	0.249		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
MeFOSE	24448-09-7	ND	2.22	2.99		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
EtFOSE	1691-99-2	ND	2.72	2.99		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	120	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C3-PFPeA	IS	94.1	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C3-PFBS	IS	99.1	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1

Sample ID: 8-1-2'

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-28	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:20	Date Received:	14-Apr-20 10:15		
Location:	406808			% Solids:	93.3		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	88.0	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C2-4:2 FTS	IS	111	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C2-PFHxA	IS	98.4	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C4-PFHpA	IS	86.6	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C3-PFHxS	IS	97.1	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C2-6:2 FTS	IS	88.4	25 - 150		B0D0237	27-Apr-20	2.15 g	06-May-20 13:04	1
13C5-PFNA	IS	75.0	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C8-PFOA	IS	59.7	10 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C2-PFOA	IS	87.2	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C8-PFOS	IS	91.8	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C2-PFDA	IS	75.8	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C2-8:2 FTS	IS	96.2	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
d3-MeFOSAA	IS	74.5	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C2-PFUnA	IS	72.0	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
d5-EtFOSAA	IS	68.9	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C2-10:2 FTS	IS	87.9	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C2-PFDoA	IS	112	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C2-PFTeDA	IS	86.4	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
13C2-PFHxDA	IS	95.0	25 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
d7-MeFOSE	IS	36.5	10 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1
d9-EtFOSE	IS	43.6	10 - 150		B0D0237	27-Apr-20	2.15 g	12-May-20 20:03	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 8-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-29	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:20	Date Received:	14-Apr-20 10:15		
Location:	406809			% Solids:	90.5		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.182	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFPeA	2706-90-3	ND	0.165	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFBS	375-73-5	ND	0.115	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
4:2 FTS	757124-72-4	ND	0.189	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFHxA	307-24-4	ND	0.118	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFPeS	2706-91-4	ND	0.253	0.491		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
HFPO-DA	13252-13-6	ND	0.522	0.737		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFHpA	375-85-9	ND	0.300	0.491		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
ADONA	919005-14-4	ND	0.171	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFHxS	355-46-4	ND	0.221	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
6:2 FTS	27619-97-2	ND	0.343	0.491		B0D0237	27-Apr-20	2.25 g	06-May-20 13:14	1
PFOA	335-67-1	ND	0.271	0.491		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFHpS	375-92-8	ND	0.340	0.491		B0D0237	27-Apr-20	2.25 g	06-May-20 13:14	1
PFNA	375-95-1	ND	0.196	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFOSA	754-91-6	ND	0.448	0.491		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFOS	1763-23-1	0.826	0.271	0.246	Q	B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
9Cl-PF3ONS	756426-58-1	ND	0.201	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFDA	335-76-2	ND	0.149	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
8:2 FTS	39108-34-4	ND	0.287	0.491		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFNS	68259-12-1	ND	0.459	0.491		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
MeFOSAA	2355-31-9	ND	0.475	0.491		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
EtFOSAA	2991-50-6	ND	0.428	0.491		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFUnA	2058-94-8	ND	0.171	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFDS	335-77-3	ND	0.430	0.491		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
11Cl-PF3OUdS	763051-92-9	ND	0.458	0.491		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
10:2 FTS	120226-60-0	ND	0.531	0.737		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFDoA	307-55-1	ND	0.134	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFTTrDA	72629-94-8	ND	0.107	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFDoS	79780-39-5	ND	0.193	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFTeDA	376-06-7	ND	0.169	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFHxDA	67905-19-5	ND	0.0759	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
PFODA	16517-11-6	ND	0.229	0.246		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
MeFOSE	24448-09-7	ND	2.19	2.95		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
EtFOSE	1691-99-2	ND	2.68	2.95		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	101	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C3-PFPeA	IS	83.7	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C3-PFBS	IS	85.7	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1

Sample ID: 8-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-29	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:20	Date Received:	14-Apr-20 10:15		
Location:	406809			% Solids:	90.5		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	74.4	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C2-4:2 FTS	IS	93.5	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C2-PFHxA	IS	86.2	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C4-PFHpA	IS	68.8	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C3-PFHxS	IS	75.5	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C2-6:2 FTS	IS	73.1	25 - 150		B0D0237	27-Apr-20	2.25 g	06-May-20 13:14	1
13C5-PFNA	IS	57.5	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C8-PFOA	IS	62.0	10 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C2-PFOA	IS	68.3	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C8-PFOS	IS	73.9	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C2-PFDA	IS	67.9	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C2-8:2 FTS	IS	93.7	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
d3-MeFOSAA	IS	72.5	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C2-PFUnA	IS	76.4	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
d5-EtFOSAA	IS	77.3	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C2-10:2 FTS	IS	98.6	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C2-PFDoA	IS	97.8	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C2-PFTeDA	IS	76.9	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
13C2-PFHxDA	IS	76.0	25 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
d7-MeFOSE	IS	38.2	10 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1
d9-EtFOSE	IS	45.2	10 - 150		B0D0237	27-Apr-20	2.25 g	12-May-20 20:13	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 9-1-2'
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-30	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:40	Date Received:	14-Apr-20 10:15		
Location:	406810			% Solids:	84.5		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.183	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFPeA	2706-90-3	ND	0.166	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFBS	375-73-5	ND	0.116	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
4:2 FTS	757124-72-4	ND	0.190	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFHxA	307-24-4	ND	0.119	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFPeS	2706-91-4	ND	0.254	0.495		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
HFPO-DA	13252-13-6	ND	0.526	0.742		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFHpA	375-85-9	ND	0.302	0.495		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
ADONA	919005-14-4	ND	0.172	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFHxS	355-46-4	ND	0.223	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
6:2 FTS	27619-97-2	ND	0.346	0.495		B0D0237	27-Apr-20	2.39 g	06-May-20 13:25	1
PFOA	335-67-1	ND	0.273	0.495		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFHpS	375-92-8	ND	0.343	0.495		B0D0237	27-Apr-20	2.39 g	06-May-20 13:25	1
PFNA	375-95-1	ND	0.197	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFOSA	754-91-6	ND	0.451	0.495		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFOS	1763-23-1	ND	0.273	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
9Cl-PF3ONS	756426-58-1	ND	0.203	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFDA	335-76-2	ND	0.150	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
8:2 FTS	39108-34-4	ND	0.289	0.495		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFNS	68259-12-1	ND	0.462	0.495		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
MeFOSAA	2355-31-9	ND	0.478	0.495		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
EtFOSAA	2991-50-6	ND	0.432	0.495		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFUnA	2058-94-8	ND	0.172	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFDS	335-77-3	ND	0.434	0.495		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
11Cl-PF3OUdS	763051-92-9	ND	0.461	0.495		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
10:2 FTS	120226-60-0	ND	0.535	0.742		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFDoA	307-55-1	ND	0.135	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFTTrDA	72629-94-8	ND	0.108	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFDoS	79780-39-5	ND	0.194	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFTeDA	376-06-7	ND	0.170	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFHxDA	67905-19-5	ND	0.0764	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
PFODA	16517-11-6	ND	0.231	0.247		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
MeFOSE	24448-09-7	ND	2.21	2.97		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
EtFOSE	1691-99-2	ND	2.70	2.97		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	109	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C3-PFPeA	IS	85.1	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C3-PFBS	IS	95.3	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1

Sample ID: 9-1-2'

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-30	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:40	Date Received:	14-Apr-20 10:15		
Location:	406810			% Solids:	84.5		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	85.4	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C2-4:2 FTS	IS	105	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C2-PFHxA	IS	91.1	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C4-PFHpA	IS	83.1	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C3-PFHxS	IS	91.9	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C2-6:2 FTS	IS	77.0	25 - 150		B0D0237	27-Apr-20	2.39 g	06-May-20 13:25	1
13C5-PFNA	IS	67.4	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C8-PFOA	IS	67.0	10 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C2-PFOA	IS	74.5	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C8-PFOS	IS	71.4	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C2-PFDA	IS	73.2	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C2-8:2 FTS	IS	93.1	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
d3-MeFOSAA	IS	81.2	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C2-PFUnA	IS	72.9	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
d5-EtFOSAA	IS	83.9	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C2-10:2 FTS	IS	98.9	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C2-PFDoA	IS	101	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C2-PFTeDA	IS	85.6	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
13C2-PFHxDA	IS	79.3	25 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
d7-MeFOSE	IS	55.4	10 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1
d9-EtFOSE	IS	64.0	10 - 150		B0D0237	27-Apr-20	2.39 g	12-May-20 20:24	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 9-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-31	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:40	Date Received:	14-Apr-20 10:15		
Location:	406811			% Solids:	95.1		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.182	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFPeA	2706-90-3	ND	0.165	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFBS	375-73-5	ND	0.115	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
4:2 FTS	757124-72-4	ND	0.189	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFHxA	307-24-4	ND	0.118	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFPeS	2706-91-4	ND	0.252	0.491		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
HFPO-DA	13252-13-6	ND	0.522	0.737		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFHpA	375-85-9	ND	0.300	0.491		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
ADONA	919005-14-4	ND	0.171	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFHxS	355-46-4	ND	0.221	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
6:2 FTS	27619-97-2	ND	0.343	0.491		B0D0237	27-Apr-20	2.14 g	06-May-20 13:35	1
PFOA	335-67-1	ND	0.271	0.491		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFHpS	375-92-8	ND	0.340	0.491		B0D0237	27-Apr-20	2.14 g	06-May-20 13:35	1
PFNA	375-95-1	ND	0.195	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFOSA	754-91-6	ND	0.448	0.491		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFOS	1763-23-1	ND	0.271	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
9Cl-PF3ONS	756426-58-1	ND	0.201	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFDA	335-76-2	ND	0.149	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
8:2 FTS	39108-34-4	ND	0.287	0.491		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFNS	68259-12-1	ND	0.459	0.491		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
MeFOSAA	2355-31-9	ND	0.475	0.491		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
EtFOSAA	2991-50-6	ND	0.428	0.491		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFUnA	2058-94-8	ND	0.171	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFDS	335-77-3	ND	0.430	0.491		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
11Cl-PF3OUdS	763051-92-9	ND	0.458	0.491		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
10:2 FTS	120226-60-0	ND	0.530	0.737		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFDoA	307-55-1	ND	0.134	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFTTrDA	72629-94-8	ND	0.107	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFDoS	79780-39-5	ND	0.193	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFTeDA	376-06-7	ND	0.169	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFHxDA	67905-19-5	ND	0.0758	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
PFODA	16517-11-6	ND	0.229	0.246		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
MeFOSE	24448-09-7	ND	2.19	2.95		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
EtFOSE	1691-99-2	ND	2.68	2.95		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	121	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C3-PFPeA	IS	95.1	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C3-PFBS	IS	109	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1

Sample ID: 9-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-31	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 12:40	Date Received:	14-Apr-20 10:15		
Location:	406811			% Solids:	95.1		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	92.6	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C2-4:2 FTS	IS	107	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C2-PFHxA	IS	101	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C4-PFHpA	IS	91.6	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C3-PFHxS	IS	95.8	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C2-6:2 FTS	IS	79.6	25 - 150		B0D0237	27-Apr-20	2.14 g	06-May-20 13:35	1
13C5-PFNA	IS	74.5	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C8-PFOA	IS	69.6	10 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C2-PFOA	IS	79.1	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C8-PFOS	IS	90.6	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C2-PFDA	IS	83.0	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C2-8:2 FTS	IS	76.1	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
d3-MeFOSAA	IS	74.7	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C2-PFUnA	IS	76.6	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
d5-EtFOSAA	IS	77.7	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C2-10:2 FTS	IS	89.9	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C2-PFDoA	IS	115	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C2-PFTeDA	IS	86.0	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
13C2-PFHxDA	IS	99.1	25 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
d7-MeFOSE	IS	39.3	10 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1
d9-EtFOSE	IS	48.9	10 - 150		B0D0237	27-Apr-20	2.14 g	12-May-20 20:34	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 10-1-2'
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-32	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 13:10	Date Received:	14-Apr-20 10:15		
Location:	406812			% Solids:	93.0		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.181	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFPeA	2706-90-3	ND	0.164	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFBS	375-73-5	ND	0.114	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
4:2 FTS	757124-72-4	ND	0.188	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFHxA	307-24-4	ND	0.117	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFPeS	2706-91-4	ND	0.251	0.489		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
HFPO-DA	13252-13-6	ND	0.519	0.733		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFHpA	375-85-9	ND	0.298	0.489		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
ADONA	919005-14-4	ND	0.170	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFHxS	355-46-4	ND	0.220	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
6:2 FTS	27619-97-2	ND	0.341	0.489		B0D0237	27-Apr-20	2.20 g	06-May-20 13:45	1
PFOA	335-67-1	ND	0.270	0.489		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFHpS	375-92-8	ND	0.338	0.489		B0D0237	27-Apr-20	2.20 g	06-May-20 13:45	1
PFNA	375-95-1	ND	0.195	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFOSA	754-91-6	ND	0.446	0.489		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFOS	1763-23-1	ND	0.270	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
9Cl-PF3ONS	756426-58-1	ND	0.200	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFDA	335-76-2	ND	0.149	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
8:2 FTS	39108-34-4	ND	0.286	0.489		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFNS	68259-12-1	ND	0.457	0.489		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
MeFOSAA	2355-31-9	ND	0.472	0.489		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
EtFOSAA	2991-50-6	ND	0.426	0.489		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFUnA	2058-94-8	ND	0.170	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFDS	335-77-3	ND	0.428	0.489		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
11Cl-PF3OUdS	763051-92-9	ND	0.456	0.489		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
10:2 FTS	120226-60-0	ND	0.528	0.733		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFDoA	307-55-1	ND	0.133	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFTTrDA	72629-94-8	ND	0.107	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFDoS	79780-39-5	ND	0.192	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFTeDA	376-06-7	ND	0.168	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFHxDA	67905-19-5	ND	0.0755	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
PFODA	16517-11-6	ND	0.228	0.244		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
MeFOSE	24448-09-7	ND	2.18	2.93		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
EtFOSE	1691-99-2	ND	2.67	2.93		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	105	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C3-PFPeA	IS	87.5	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C3-PFBS	IS	90.3	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1

Sample ID: 10-1-2'

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-32	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 13:10	Date Received:	14-Apr-20 10:15		
Location:	406812			% Solids:	93.0		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	82.3	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C2-4:2 FTS	IS	99.3	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C2-PFHxA	IS	91.8	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C4-PFHpA	IS	79.2	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C3-PFHxS	IS	87.1	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C2-6:2 FTS	IS	83.1	25 - 150		B0D0237	27-Apr-20	2.20 g	06-May-20 13:45	1
13C5-PFNA	IS	78.7	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C8-PFOA	IS	50.9	10 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C2-PFOA	IS	69.0	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C8-PFOS	IS	77.8	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C2-PFDA	IS	81.5	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C2-8:2 FTS	IS	69.1	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
d3-MeFOSAA	IS	58.7	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C2-PFUnA	IS	59.6	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
d5-EtFOSAA	IS	71.2	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C2-10:2 FTS	IS	89.0	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C2-PFDoA	IS	89.5	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C2-PFTeDA	IS	80.9	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
13C2-PFHxDA	IS	76.9	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
d7-MeFOSE	IS	39.2	10 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1
d9-EtFOSE	IS	39.4	10 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:45	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 10-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-33	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 13:10	Date Received:	14-Apr-20 10:15		
Location:	406813			% Solids:	91.6		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.184	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFPeA	2706-90-3	ND	0.167	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFBS	375-73-5	ND	0.116	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
4:2 FTS	757124-72-4	ND	0.191	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFHxA	307-24-4	ND	0.119	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFPeS	2706-91-4	ND	0.255	0.496		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
HFPO-DA	13252-13-6	ND	0.527	0.744		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFHpA	375-85-9	ND	0.303	0.496		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
ADONA	919005-14-4	ND	0.173	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFHxS	355-46-4	ND	0.223	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
6:2 FTS	27619-97-2	ND	0.346	0.496		B0D0237	27-Apr-20	2.20 g	06-May-20 13:56	1
PFOA	335-67-1	ND	0.274	0.496		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFHpS	375-92-8	ND	0.343	0.496		B0D0237	27-Apr-20	2.20 g	06-May-20 13:56	1
PFNA	375-95-1	ND	0.197	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFOSA	754-91-6	ND	0.452	0.496		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFOS	1763-23-1	ND	0.274	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
9Cl-PF3ONS	756426-58-1	ND	0.203	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFDA	335-76-2	ND	0.151	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
8:2 FTS	39108-34-4	ND	0.290	0.496		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFNS	68259-12-1	ND	0.463	0.496		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
MeFOSAA	2355-31-9	ND	0.479	0.496		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
EtFOSAA	2991-50-6	ND	0.433	0.496		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFUnA	2058-94-8	ND	0.173	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFDS	335-77-3	ND	0.435	0.496		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
11Cl-PF3OUdS	763051-92-9	ND	0.462	0.496		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
10:2 FTS	120226-60-0	ND	0.536	0.744		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFDoA	307-55-1	ND	0.135	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFTTrDA	72629-94-8	ND	0.108	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFDoS	79780-39-5	ND	0.194	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFTeDA	376-06-7	ND	0.171	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFHxDA	67905-19-5	ND	0.0766	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
PFODA	16517-11-6	ND	0.231	0.248		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
MeFOSE	24448-09-7	ND	2.21	2.98		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
EtFOSE	1691-99-2	ND	2.71	2.98		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	115	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C3-PFPeA	IS	90.1	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C3-PFBS	IS	99.1	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1

Sample ID: 10-AG
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-33	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 13:10	Date Received:	14-Apr-20 10:15		
Location:	406813			% Solids:	91.6		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	91.7	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C2-4:2 FTS	IS	98.8	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C2-PFHxA	IS	94.2	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C4-PFHpA	IS	84.0	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C3-PFHxS	IS	91.1	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C2-6:2 FTS	IS	76.7	25 - 150		B0D0237	27-Apr-20	2.20 g	06-May-20 13:56	1
13C5-PFNA	IS	73.1	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C8-PFOA	IS	64.7	10 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C2-PFOA	IS	73.5	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C8-PFOS	IS	80.3	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C2-PFDA	IS	77.6	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C2-8:2 FTS	IS	103	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
d3-MeFOSAA	IS	77.4	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C2-PFUnA	IS	75.1	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
d5-EtFOSAA	IS	81.4	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C2-10:2 FTS	IS	91.9	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C2-PFDoA	IS	95.6	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C2-PFTeDA	IS	81.7	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
13C2-PFHxDA	IS	88.3	25 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
d7-MeFOSE	IS	38.0	10 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1
d9-EtFOSE	IS	44.3	10 - 150		B0D0237	27-Apr-20	2.20 g	12-May-20 20:55	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: FIELD DUPLICATE
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-34	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 00:00	Date Received:	14-Apr-20 10:15		
Location:	406814			% Solids:	89.6		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.183	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFPeA	2706-90-3	ND	0.166	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFBS	375-73-5	ND	0.116	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
4:2 FTS	757124-72-4	ND	0.190	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFHxA	307-24-4	ND	0.119	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFPeS	2706-91-4	ND	0.254	0.494		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
HFPO-DA	13252-13-6	ND	0.525	0.741		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFHpA	375-85-9	ND	0.301	0.494		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
ADONA	919005-14-4	ND	0.172	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFHxS	355-46-4	ND	0.222	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
6:2 FTS	27619-97-2	ND	0.345	0.494		B0D0237	27-Apr-20	2.26 g	06-May-20 14:06	1
PFOA	335-67-1	ND	0.273	0.494		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFHpS	375-92-8	ND	0.342	0.494		B0D0237	27-Apr-20	2.26 g	06-May-20 14:06	1
PFNA	375-95-1	ND	0.197	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFOSA	754-91-6	ND	0.450	0.494		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFOS	1763-23-1	ND	0.273	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
9Cl-PF3ONS	756426-58-1	ND	0.203	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFDA	335-76-2	ND	0.150	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
8:2 FTS	39108-34-4	ND	0.288	0.494		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFNS	68259-12-1	ND	0.461	0.494		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
MeFOSAA	2355-31-9	ND	0.477	0.494		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
EtFOSAA	2991-50-6	ND	0.431	0.494		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFUnA	2058-94-8	ND	0.172	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFDS	335-77-3	ND	0.433	0.494		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
11Cl-PF3OUdS	763051-92-9	ND	0.460	0.494		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
10:2 FTS	120226-60-0	ND	0.533	0.741		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFDoA	307-55-1	ND	0.134	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFTTrDA	72629-94-8	ND	0.108	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFDoS	79780-39-5	ND	0.194	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFTeDA	376-06-7	ND	0.170	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFHxDA	67905-19-5	ND	0.0763	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
PFODA	16517-11-6	ND	0.230	0.247		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
MeFOSE	24448-09-7	ND	2.20	2.96		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
EtFOSE	1691-99-2	ND	2.70	2.96		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	112	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C3-PFPeA	IS	92.7	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C3-PFBS	IS	101	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1

Sample ID: FIELD DUPLICATE **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Soil	Lab Sample:	2000870-34	Column:	BEH C18
Project:	Madison-Truax	Date Collected:	10-Apr-20 00:00	Date Received:	14-Apr-20 10:15		
Location:	406814			% Solids:	89.6		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	93.0	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C2-4:2 FTS	IS	98.1	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C2-PFHxA	IS	98.6	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C4-PFHpA	IS	78.7	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C3-PFHxS	IS	90.7	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C2-6:2 FTS	IS	78.9	25 - 150		B0D0237	27-Apr-20	2.26 g	06-May-20 14:06	1
13C5-PFNA	IS	68.4	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C8-PFOA	IS	72.5	10 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C2-PFOA	IS	69.1	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C8-PFOS	IS	74.0	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C2-PFDA	IS	89.3	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C2-8:2 FTS	IS	87.8	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
d3-MeFOSAA	IS	83.4	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C2-PFUnA	IS	80.8	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
d5-EtFOSAA	IS	70.4	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C2-10:2 FTS	IS	95.1	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C2-PFDoA	IS	98.8	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C2-PFTeDA	IS	78.0	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
13C2-PFHxDA	IS	52.7	25 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
d7-MeFOSE	IS	47.6	10 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1
d9-EtFOSE	IS	54.5	10 - 150		B0D0237	27-Apr-20	2.26 g	12-May-20 21:05	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Company: **Jacobs**
 Project Contact: **Chris Manz**
 Telephone: **608-358-4198**
 Project Name: **Truax**
 Project #:
 Location: **Madison, WI**
 Sampled By: **CRM**

CT LABORATORIES
 1230 Lange Court, Baraboo, WI 53913
 608-356-2760 Fax 608-356-2766
 www.ctlaboratories.com

Report To:
 EMAIL: **chris.manz10@jacobs.com**
 Company: **Jacobs**
 Address:
 Invoice To:*
 EMAIL: **Same as above**
 Company:
 Address:

Lab Use Only
 Place Header Sticker Here:

Program:
 RCRA SDWA NPDES
 Waste Other _____

Folder #: **152561**
 Company: **CH2M - JACOBS**
 Project: **MADISON**
 Logged By: **EKB PM ET**

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

ANALYSES REQUESTED

Turnaround Time
 Normal RUSH*
 Date Needed: _____
 Rush analysis requires prior
 CT Laboratories' approval
 Surcharges:
 24 hr 200%
 2-3 days 100%
 4-9 days 50%

Matrix:
 GW - groundwater SW - surface water WW - wastewater DW - drinking water
 S - soil/sediment SL - sludge A - air M - misc/waste

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	Filtered? Y/N	Fill in Spaces with Bottles per Test										Total # Containers	Designated MS/MSD	CT Lab ID # <i>Lab use only</i>
Date	Time																		
4/10/20	10:10	GW	Grab		1 - GW												406777		
	10:45				2 - GW												406778		
	10:50				3 - GW												406779		
	11:10				4 - GW												406780		
	11:20				5 - GW												406781		
	12:10				6 - GW												406782		
	12:10				7 - GW												406783		
	12:30				8 - GW												406784		
	12:50				9 - GW												406785		
	13:20				10 - GW												406786		
					Field Dup												406787		
					Field Blank												406788		

Relinquished By: **Chris Manz**
 Date/Time: **4/10/20 15:30**

Received By: **elb**
 Date/Time: **4-10-2020 1557**

Received by:
 Date/Time:

Received for Laboratory by:
 Date/Time: **4/10/20**

Lab Use Only
 Ice Present Yes No **28**
 Temp _____ IR Gun _____
 Cooler # **43.1**

Company: Jacobs
 Project Contact: Chris Mang
 Telephone: 608-358-4198
 Project Name: Taux
 Project #:
 Location:
 Sampled By: CRM

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 www.ctlaboratories.com

Lab Use Only
 Place Header Sticker Here:
152561

Program:
 QSM RCRA SDWA NPDES
 Solid Waste Other _____

PO #

Report To:
 EMAIL:
 Company:
 Address:

Invoice To:*
 EMAIL:
 Company:
 Address:

**Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions*

Client Special Instructions

ANALYSES REQUESTED											
Filtered? Y/N	82600	PFAS									

Turnaround Time
 Normal RUSH*
 Date Needed: _____
 Rush analysis requires prior
 CT Laboratories' approval
 Surcharges:
 24 hr 200%
 2-3 days 100%
 4-9 days 50%

Matrix:
 GW - groundwater SW - surface water WW - wastewater DW - drinking water
 S - soil/sediment SL - sludge A - air M - misc/waste

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	Fill in Spaces with Bottles per Test												CT Lab ID # <i>Lab use only</i>
Date	Time																	
4/10/20	9:00	GW			Equip Blank												460790	
					Trip Blank	X											791	
	8:39S				1-1-2'	X	X										793	
	8:39				1-AG	X	X	X									794	
	8:50				2-1-2'	X	X	X									795	
	8:50				2-AG	X	X	X									796	
	9:20				3-1-2'	X	X	X									797	
	9:20				3-AG	X	X	X									798	
	10:30				4-1-2'	X	X	X									799	
	10:30				4-AG	X	X	X									800	
	10:55				5-1-2'	X	X	X									801	
	10:55				5-AG	X	X	X									802	

Relinquished By: Chris Mang Date/Time: 4/10/20 15:30

Received By: [Signature] Date/Time: 4-10-20 1609

Received by: [Signature] Date/Time: 4/10/20 3:30

Received for Laboratory by: [Signature] Date/Time: 4/10/20 3:30

Lab Use Only
 Ice Present Yes No
 Temp 3.1 IR Gun 28
 Cooler # _____

Company: Jacobs
 Project Contact: Chris Mainz
 Telephone: 608-359-4198
 Project Name: Truax
 Project #:
 Location:
 Sampled By:

CT LABORATORIES
 1230 Lange Court, Baraboo, WI 53913
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Report To:
 EMAIL:
 Company:
 Address:
 Invoice To: *
 EMAIL:
 Company:
 Address:

Lab Use Only
 Place Header Sticker Here:
152561

Program:
 QSM RCRA SDWA NPDES
 Solid Waste Other _____
 PO #

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

ANALYSES REQUESTED										Total # Containers	Designated MS/MSD
Filtered? Y/N	8260C	PFAS									

Turnaround Time
 Normal RUSH*
 Date Needed: _____
 Rush analysis requires prior
 CT Laboratories' approval
 Surcharges:
 24 hr 200%
 2-3 days 100%
 4-9 days 50%

Matrix:
 GW - groundwater SW - surface water WW - wastewater DW - drinking water
 S - soil/sediment SL - sludge A - air M - misc/waste

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	Fill in Spaces with Bottles per Test										CT Lab ID # <i>Lab use only</i>	
Date	Time																
4/10/20	11:40	S	Grab		6-1-2'	X	X	X	X	X	X	X	X	X	X	X	406804
	11:40				6-AG	X	X	X	X	X	X	X	X	X	X	X	805
	12:00				7-1-2'	X	X	X	X	X	X	X	X	X	X	X	806
	12:00				7-AG	X	X	X	X	X	X	X	X	X	X	X	807
	12:20				8-1-2'	X	X	X	X	X	X	X	X	X	X	X	808
	12:20				8-AG	X	X	X	X	X	X	X	X	X	X	X	809
	12:40				9-1-2'	X	X	X	X	X	X	X	X	X	X	X	810
	12:40				9-AG	X	X	X	X	X	X	X	X	X	X	X	811
	13:10				10-1-2'	X	X	X	X	X	X	X	X	X	X	X	812
	13:10				10-AG	X	X	X	X	X	X	X	X	X	X	X	813
					Field Duplicate	X	X	X	X	X	X	X	X	X	X	X	814

Relinquished By: Chris Mainz
 Date/Time: 4/10/20 15:30
 Received by: _____
 Date/Time: _____

Received By: [Signature]
 Date/Time: 4-10-20 1609
 Received for Laboratory by: [Signature]
 Date/Time: 4/10/20 3:30

Lab Use Only
 Ice Present Yes No
 Temp 3.1 IR Gun 28
 Cooler # _____

Statement of Work
XGFG189001 – F35 Simulator at Truax
Type A & B Services & Negotiate Type C Services
Change Request #2
As of 20 January 2020

- I. The 115th Fighter Wing, Truax Field has a requirement to design and construct a 4-ship, F-35 simulator training facility. Additionally, the facility is required to obtain third party certification (TPC) to achieve High Performance and Sustainable Building (HPSB) requirements per UFC 1-200-02, 4-3.2. The requirement for a design that conforms to HPSB is outlined in Statement of Work XGFG189001 F-35 Simulator at Truax, Type A & B Services. This change request adds the method of TPC to the contract. The A-E shall register this project with the Green Building Certification Incorporated (GBCI) for Guiding Principles Compliance certification. See attached memo, NGB/A4O, dated 5 April 2018.

- II. The 115th Fighter Wing, Truax Field has a requirement to test for existing levels of possible per- and polyfluorinated alkyl substances (PFAS) contaminant in the location of the proposed construction site due to emerging requirements of identifying, tracking, and remediating areas suspected to be contaminated. The contractor will conduct ten (10) investigative borings taking two (2) soil samples and one (1) water sample from each boring. Also, the contractor will conduct four (4) additional soil samples for total organic carbon content. Sampling methods, locations, quality control, analyses, et. al. will be conducted as outlined in attachment, *Site Characterization Sampling for Contaminated Material Management Purposes Proposed Flight Simulation Building Truax Field* dated 20 Feb 2020.

2 ATTACHMENTS:

- Memo, NGB/A4O, "Project Design Instruction for Dane County Regional-Truax Field, XGFG189001, F-35 Simulator Facility", 5 April 2018
- *Site Characterization Sampling for Contaminated Material Management Purposes Proposed Flight Simulation Building Truax Field*, 20 Feb 2020

SITE CHARACTERIZATION SAMPLING
FOR CONTAMINATED MATERIAL MANAGEMENT PURPOSES
PROPOSED FLIGHT SIMULATION BUILDING
TRUAX FIELD
FEBRUARY 20, 2020

Soil and groundwater samples will be collected at the locations shown on the attached map. All samples will be tested for the full range of volatile organic chemicals and the included list of PFAS compounds. This field information will be used to develop a contaminated materials management plan. The management plan will describe the reuse or disposal of contaminated soil and/or groundwater generated during site preparation and building construction.

SAMPLING:

Two discrete soil samples will be collected from each boring at depths of: 1-2 feet below ground surface and 1 foot above the water table; ten sample locations are shown on attached map for total of twenty soil samples

Groundwater samples will be collected from each boring: samples can be grab samples using a direct push method, permanent wells are not required; ten sample locations for a total of ten water samples.

ANALYSIS

All soil and groundwater samples will be analyzed at a lab, approved by the Department, to conduct volatile organic chemical and PFAS analysis. QA/QC requirements will be laboratory specific.

TOTAL ORGANIC CARBON

In developing soil management strategies in compliance with state administrative rules, it is often necessary to develop groundwater protection soil criteria. These are residual soil concentrations that will not leach enough contaminant mass to exceed a groundwater standard. These criteria can be developed through laboratory tests or calculated using various soil properties. One property is total organic carbon content. While collecting samples for chemical analysis it would be useful to collect soil samples from 4 locations for total organic carbon content to aid future soil calculations.

Map

description for your map.

Legend





WISCONSIN DEPARTMENT OF NATURAL RESOURCES
NOTICE OF FINAL GUIDANCE & CERTIFICATION

Pursuant to ch. 227, Wis. Stats., the Wisconsin Department of Natural Resources has finalized and hereby certifies the following guidance document.

DOCUMENT ID

EA-19-0001

DOCUMENT TITLE

Wisconsin PFAS Aqueous (Non-Potable Water) and Non-Aqueous Matrices Method Expectations

PROGRAM/BUREAU

Certification Services / Environmental Analysis & Sustainability

STATUTORY AUTHORITY OR LEGAL CITATION

Wis. Stats. s. 299.11 and Wis. Admin. Code s. NR 149.41 (2)

DATE SENT TO LEGISLATIVE REFERENCE BUREAU (FOR PUBLIC COMMENTS)

9.16.19

DATE FINALIZED

12.16.19

DNR CERTIFICATION

I have reviewed this guidance document or proposed guidance document and I certify that it complies with sections 227.10 and 227.11 of the Wisconsin Statutes. I further certify that the guidance document or proposed guidance document contains no standard, requirement, or threshold that is not explicitly required or explicitly permitted by a statute or a rule that has been lawfully promulgated. I further certify that the guidance document or proposed guidance document contains no standard, requirement, or threshold that is more restrictive than a standard, requirement, or threshold contained in the Wisconsin Statutes.

Signature

Date

12/10/2019



Wisconsin PFAS Aqueous (Non-Potable Water) and Non-Aqueous Matrices Method Expectations



- Version 12.16.2019 -

Per- and Polyfluorinated Alkyl Substances (PFAS) Analysis Using Isotope Dilution by LC/MS/MS

The purpose of this document is to provide the expectations that will help the Program determine if a laboratory's method is considered suitable for analysis of PFAS in aqueous (non-potable water) and non-aqueous matrices for Wisconsin.

The Program has the legal authority under NR 149.41 (2) to determine whether the method selected by a laboratory is suitable for the matrix, type of analyte, expected level of analyte, regulatory limit, and anticipated interferences in the sample, when methods are not prescribed by covered programs under NR 149 or permits issued by the department.

Once the EPA publishes their 1600 series isotope dilution method, the Program will defer to that method for certification.

Potable water samples are analyzed utilizing EPA 537.1.

{F} = when "{F}" is listed after an expectation and the expectation is not met, then qualify the associated results on the test report. The qualifier can refer the data user to the narrative where detail is provided that indicates what the non-conformance was, and if known, the possible effects on the sample results.

Definitions are provided in Section X, "Definitions," of this document.

I. Sample Handling

1. Instruct sample collectors to collect grab samples in high density polyethylene or polypropylene containers. {F} Avoid polytetrafluoroethylene (PTFE) containers and contact with PTFE surfaces.
2. Instruct sample collectors to collect an equipment blank when using equipment in the field to collect samples. {F}
3. Instruct sample collectors not to fill aqueous sample containers completely.
4. There is no chemical preservation necessary, just temperature preservation. Instruct sample collectors to ship aqueous and solid samples at above their freezing point to 6 °C. {F} Instruct sample collectors to ship tissue samples frozen. {F} Measure and document the temperature of aqueous and solid samples at sample receipt. Tissue samples received frozen can be documented as "frozen" at sample receipt.
5. Store aqueous and solid samples at above their freezing point to 6 °C at the laboratory. {F} Store tissue samples at less than or equal to -10 °C at the laboratory. {F} Store all extracts at 0 – 6 °C at the laboratory. {F}
6. Aqueous and solid sample holding times are within 28 days from collection to extraction and within 30 days from extraction to analysis. {F} Tissue sample holding times are within 1 year from collection to extraction and within 30 days from extraction to analysis. {F}
7. Rinse aqueous sample containers and all extract containers after transfers with one or more rinses of polar solvent to remove any PFAS that may have been adsorbed to container walls.
8. Thoroughly vortex or mix extracts and standards before transfer or aliquoting to remove any PFAS that may have been adsorbed to container walls.
9. Thoroughly vortex autosampler vials before loading the autosampler to remove any PFAS that may have adsorbed to container walls.



II. Initial Demonstration of Capability (IDC)

1. All analysts performing testing are expected to pass an IDC. If analysts perform only the extraction steps, then they are expected to pass the extraction portion of an IDC. If analysts perform only the analysis steps, then they are expected to pass the analysis portion of an IDC.
2. Analyze standards of all target (native) analytes and extracted internal standards (EIS) to determine retention times of the linear and branched isomers.
3. Analyze a method blank. The results are expected to be less than one-half the method reporting limit (MRL).
4. Assess precision and recovery by performing the entire procedure on four laboratory control samples (LCS) spiked at a midrange concentration of the initial calibration for each target (native) analyte. The average recovery is expected to be within 65-135%, and the RSD is expected to be less than or equal to 30%.
5. Assess recovery of the extracted internal standards (EIS) in each LCS. Except for FOSA, NMeFOSA, NEtFOSA, NMeFOSE, and NEtFOSE, EIS recoveries are expected to be within 50–150%. For FOSA, NMeFOSA, NEtFOSA, NMeFOSE, and NEtFOSE, EIS recoveries are expected to be within 20 – 150%.

III. Field Quality Control Samples

1. **Equipment blanks** (one per sampling event when equipment is used in the field to collect samples) – The results are expected to be less than the highest of the following {F}:
 - a. 1/2 the MRL
 - b. 1/10 the sample concentration

It is not necessary to qualify equipment blank detections between the MDL and one-half the MRL.

2. **Field blanks** (one per sampling event for each sampling site) – The results are expected to be less than the highest of the following {F}:
 - a. 1/2 the MRL
 - b. 1/10 the sample concentration

It is not necessary to qualify field blank detections between the MDL and one-half the MRL.

3. **Field duplicates** (one per sampling event for each sampling site) – The RPDs are expected to be less than or equal to 30% when analyte concentrations are greater than twice the MRL. {F} The RPDs are expected to be less than or equal to 50% when analyte concentrations are the MRL and twice the MRL. {F}



IV. Batch Quality Control Samples

1. **Method blank** (one per batch) – The results are expected to be less than the highest of the following {F}:
 - a. 1/2 the MRL
 - b. 1/10 the sample concentration

It is not necessary to qualify method blank detections between the MDL and one-half the MRL.

Method blanks are processed along with and under the same conditions, including all sample preparation steps (i.e. filtering, centrifuging), as the associated samples in the preparation batch.

2. **Laboratory control sample** (one per batch) – Spike with all target (native) analytes.

Laboratory control samples are processed along with and under the same conditions, including all sample preparation steps (i.e. filtering, centrifuging), as the associated samples in the preparation batch.

For aqueous and solids batches, spike the LCS at a low range (1 – 2x MRL) in each batch, or the laboratory may rotate spike concentrations between three consecutive batches alternating low range, midrange, and high range. Midrange and high range are relative to the initial calibration range. For aqueous and solid batches, the recoveries are expected to be within 60-135%, except for the low range (1 – 2x MRL) where the recoveries are expected to be within 50-150%. {F}

For tissue batches, spike the LCS at midrange. For tissue batches the recoveries are expected to be within 60-135% with the following exceptions: for PFHxDA, PFODA, and NMeFOSA, the recoveries are expected to be within 50-135%; for PFDS, PFDoS, and 4:2 FTS, the recoveries are expected to be within 40-135%. {F}

3. **Extracted internal standards (EIS)** – Spike field samples and all quality control samples (preparation and instrument) with internal standards. The recoveries of these internal standards are used to adjust target (native) analyte concentrations. These isotopically labeled internal standards are added to the sample at the very beginning of the procedure, before extraction, centrifuging, filtering or phase separation takes place.

In order to report quantitative results for the target (native) analytes using the EIS, a minimum signal to noise ratio of 10:1 is expected for each EIS. Do not report results with a qualifier if this minimum is not achieved.

Except for FOSA, NMeFOSA, NEtFOSA, NMeFOSE, and NEtFOSE, the EIS recoveries are expected to be within 25-150% in samples. For FOSA, NMeFOSA, NEtFOSA, NMeFOSE, and NEtFOSE, these EIS recoveries are expected to be within 10-150% in samples. Once enough data points have been collected, the laboratory may develop their own statistical limits for these five EIS in samples. The statistical limits can be different than 10–150% as long as the expected minimum 10:1 signal to noise ratio is maintained for each EIS.

If any EIS recoveries are outside of limits in a sample, reinject the sample. If the EIS recovery fails again, the data may be reported with a qualifier. {F}

Use exact isotopically labeled analogs for the EIS where commercially available. As of December 2019, at least 25 of the 36 PFAS for which Wisconsin is offering certification are available as exact isotopically labeled analogs of the target (native) analytes. As of December 2019, the following 11 PFAS do not have exact isotopically labeled analogs commercially available and are therefore not currently necessary: PFTriA, PFODA, PFPeS, PFHpS, PFNS, PFDS, PFDoS, 10:2 FTSA, DONA, 9Cl-PF3ONS, and 11Cl-PF3OUdS.



For these 11 PFAS without an exact isotopically labeled analog commercially available, use an alternate EIS. The alternate EIS is expected to be isotopically labeled and is expected to be a chemically similar analyte that is close in retention time to the target (native) analyte. The alternate EIS may be from the same functional group as the target (native) analyte or have the same chain length as the target (native) analyte (whichever gives better performance). Typically, the alternate EIS comes from those EIS that are already in use. The same EIS can be used for more than one target (native) analyte.

V. Calibration (Initial and Continuing)

1. Perform initial calibration at setup and after an ICV or CCV standard failure. If an ICV or CCV standard fails, the laboratory may immediately analyze two additional consecutive ICV or CCV standards. If either of the two fails, or if immediate analysis is not possible, it is expected that a new initial calibration is performed. If both pass, then sample analysis can continue without a new initial calibration. If a CCV fails high and there are no detections in the associated samples, then analysis can proceed.
2. Initial calibration functions are expected to be as follows:
 - a. Calibration factors have an RSD that is less than or equal to 20%.
 - b. Linear regressions have a coefficient of determination that is greater than or equal to 0.99 and use a minimum of five non-zero concentration standards.
 - c. Quadratic regressions have a coefficient of determination that is greater than or equal to 0.99 and use a minimum of six non-zero concentration standards.
 - d. Do not force linear and quadratic regressions through zero.
 - e. For each calibration standard, reprocess the target (native) analyte against the chosen calibration function. The reprocessed recoveries are expected to be within 70–130% of their actual concentrations, except for the lowest concentration standard, whose reprocessed recoveries are expected to be within 50–150% of their actual concentrations.
3. It is expected that sample analysis is not performed if the initial calibration fails.
4. Analyze standards of all target (native) analytes and EIS to determine retention times of the linear and branched isomers. Analyze branched isomers that have commercially available standards. As of December 2019, the following PFAS are commercially available as branched isomer analytical (quantitative) standards: PFHxS, PFOS, NMeFOSAA, and NEtFOSAA. As of December 2019, PFOA is commercially available as a branched isomer technical grade (qualitative) standard.
5. When an initial calibration is performed, it is expected that the midrange standard is used to establish absolute retention times. When an initial calibration is not performed, it is expected that the first CCV is used to establish absolute retention times.
6. Retention times of the target (native) analytes and the EIS are expected to fall within 0.4 minutes of the established absolute retention times. Comparison of the target (native) analyte and EIS retention times can help determine if analyte shifts occurred due to matrix effects.
7. **ICV (2nd source)** – It is expected that the ICV is performed with each new initial calibration before sample analysis. The ICV is analyzed after the ICB. As of December 2019, the following PFAS may be difficult to find as second sources and are therefore not currently necessary: PFHxDA, PFODA, PFDoS, NMeFOSA, NEtFOSA, NMeFOSE, and NEtFOSE. Recoveries in the ICV are expected to be within 70-130%. It is expected that sample analysis is not performed if the ICV fails.



8. **ICB** – It is expected that the ICB is analyzed immediately after the highest standard in the initial calibration and before the ICV to demonstrate the instrument is free from levels of contaminants that would bias results. The results of the ICB are expected to be less than one-half the MRL.
9. **CCV** – It is expected that CCVs are performed at the beginning and end of each analysis batch and after every 10 field samples.
 - a. It is expected that the concentrations in the first CCV on non-initial calibration days are at the MRL.
 - b. Target (native) analyte recoveries are expected to be within 50-150% for the CCV analyzed at the MRL.
 - c. Target (native) analyte recoveries for all other CCVs are expected to be within 70-130%.
 - d. It is expected that samples results are only reported when bracketed by passing CCVs unless the recovery failure is high and there are no detections of that analyte in the associated samples.
10. **CCB** – It is expected that the CCB is analyzed immediately after each CCV to demonstrate the instrument is free from levels of contaminants that would bias results. If method blanks or reagent blanks are analyzed after a CCV instead of a CCB, then it is expected that the CCB limits are used for assessment. The results of the CCBs are expected to be less than one-half the MRL.
11. It is expected that the same EIS as those used in samples are added to the initial calibration standards, ICV, CCVs, ICBs, and CCBs at the same concentration used in samples. The calibration standards (initial and continuing) are not extracted like samples. Since there is no matrix effect or extraction performed on these instrument quality control samples, the recoveries of the EIS are expected to be within 50 – 150%.

VI. Aqueous Sample Extraction

1. Extract the entire sample received in the sample container in which it was collected unless the exceptions listed below apply.
 - a. Samples received at extremely high PFAS concentrations may be subsampled. {F}
 - b. If more sample volume is received than what can be extracted through the solid phase extraction (SPE) cartridge, then subsampling is allowed. {F}

Adsorption of target (native) analytes to sample collection container walls is known to occur in aqueous samples. Extract the entire aqueous sample volume. Subsampling of aqueous samples from the sample collection container is discouraged and can result in significant loss of longer-chain PFAS (e.g. carboxylic acids \geq C9, sulfonic acids \geq C7).

2. Spike the sample in the sample bottle it was received in by adding the EIS. Cap, invert and mix. It is expected that the EIS that are spiked into the sample are provided sufficient time to equilibrate in the sample before further processing. This allows the EIS time to disperse proportionally into the liquid phase and solid phase – same as the target (native) analytes and thereby providing a more accurate result. Add the EIS before any extraction, centrifuging, filtering or phase separation takes place.

Biphasic and problematic sample matrices may have to use a different spiking procedure. It is best for the laboratory to contact the client prior to spiking and extraction to determine the best course of action to meet their data quality objectives. In these events, include detail in the narrative as to why spiking into the sample bottle was not possible, what was done instead, and if known, the possible effects on the sample results. {F}



3. If particulates in the sample have to be removed before using SPE, centrifuge the sample and take the liquid phase through the SPE. Samples should only be centrifuged when the suspended solids content visually appears to be high enough, by chemist inspection, that it would cause the SPE cartridge to clog.

The laboratory could consider creating a “percent solids reference sample” that would include the minimum solids the laboratory has tested that would clog the SPE cartridge and use it to compare it to field samples. For reference, the Department of Defense has indicated that samples with percent solids greater than one percent may require centrifuging before performing the SPE procedure. Ideally, the entire sample is extracted, including the suspended solids.

4. If aqueous samples with a solid phase are centrifuged, the solid phase of the sample is expected to be a plug at the bottom of the container. It is expected that the solid phase remains in the container when rinsing the container walls with the polar elution solvent. Rinsing the container walls would therefore also include rinsing of the solids. If the polar elution solvent disrupts the solid phase significantly, the container can be centrifuged again before removing the solvent for use during the elution step of the SPE procedure.
5. If a total sample concentration is needed and there are significant solids in the sample, the initial spike of EIS into the sample container is sufficient for both phases. There is no need to re-spike the solid phase with EIS if it is being extracted separately.
6. Using filters to separate the solid phase from the liquid phase is discouraged unless there is data to demonstrate that the filters used do not result in contamination greater than one-half the MRL.
7. In the cases where a filter is used to separate the solid phase from the liquid phase, it is expected that the filter would also be rinsed to remove any potentially adsorbed PFAS. The filtrate is then added to the SPE cartridge during the elution step.
8. The data quality objectives from the data user should determine whether the solid phase of the sample has to be extracted or not. Not analyzing the solid phase may lead to a low bias in total sample concentration. Analyzing the liquid phase only would provide a liquid sample concentration result. It is expected that the laboratory would make it clear to the data user whether the reported concentrations are a total or liquid concentration sample result.
9. Determine sample volume by marking the sample level on the bottle or by weighing. It is expected that sample volumes would not be measured with a graduated cylinder. Sample volumes are expected to be measured and not assumed by container size.

When the sample has significant solids, the laboratory should account for the weight or volume displaced by the solids in the initial sample volume determination and include this information in the test report.

10. Use an appropriate SPE cartridge for the target (native) analytes reported. A weak anion exchange cartridge has been shown to work with the PFAS for which Wisconsin is offering certification.
11. One or more rinses of polar solvent can be used for quantitative transfers. Rinse the sample bottle and cap with elution solvent, pour the solvent from each rinse through the SPE cartridge during the elution step, and collect the filtrate for analysis.
12. Bring to a quantitative final volume with the final injection solvent and vortex well.



VII. Non-Aqueous Sample Extraction

1. Homogenize the entire solid sample received in the sample container in which it was collected in by stirring the solids with a clean spatula or other suitable implement. This would help ensure that a representative subsample is taken.
2. For tissues (e.g. fish, wildlife), the target tissue (liver, fillet, whole fish) is isolated from the rest of the tissue sample. The target (isolated) tissue is ground and is typically provided to the analyst as a subsample. At the time of sample preparation, the analyst is to further homogenize the subsample by stirring with a clean spatula or other suitable implement. This would help ensure that a representative subsample is taken.
3. Spike a portion of the homogenized subsample by adding the EIS directly onto the sample. It is expected that the solvent used to carry the EIS spike onto the sample be allowed to evaporate prior to addition of the extraction solution.
4. Extract the PFAS from the non-aqueous samples with an appropriate solution prior to clean-up.
5. Use an appropriate clean-up cartridge (i.e. ENVI-Carb, W-AX, ...) to remove the organic analytes extracted from the soil matrix. More than one type of clean-up cartridge can be used.
6. Use a clean-up cartridge on the fish tissue extract to eliminate known interferences with PFOS (e.g. bile acids such as taurodeoxycholic acid (TDCA)).
7. Ensure that all transfers are quantitative by solvent-rinsing with the elution solvent.
8. Bring to a quantitative final volume with the final injection solvent and vortex thoroughly.

VIII. Sample Analysis

1. Use an LC/MS/MS that is capable of negative ion ESI, produces unique product ions within retention time windows, and is able to provide a minimum of 10 scans across each peak.
2. Perform mass calibration such that the range of masses associated with all precursor and product ions are bracketed for both the primary and confirmation transitions. Documentation is expected to be available to demonstrate that the mass calibration covers this range. Calibrate the mass scale using the calibration analytes and procedure from the instrument manufacturer.
3. Analyte identification is performed using retention times, Signal/Noise ratio, Quantitation Parent Ion to Quantitation Daughter Ion (Quantitation Ion Transition), Confirmation Parent Ion to Confirmation Daughter Ion (Confirmation Ion Transition) and the Ion Transition Ratio.
4. Calculate sample results for the target (native) analytes that have exact isotopically labeled standards using isotope dilution (recovery correction using the EIS).
5. Calculate sample results for the target (native) analytes that do not have exact isotopically labeled standards using an alternate extracted isotopically labeled standard and internal standard quantitation recovery correction (recovery correction using the alternate EIS).
6. Use analytical (quantitative) standards containing both branched and linear isomers where commercially available. The analytical branched isomer standards are included in the initial calibration the same as the linear isomer



standards. Branched isomers in samples are quantitated against these analytical branched isomer standards. To calculate the target (native) analyte result, sum the resulting concentrations of all branched and linear isomers that have corresponding analytical standards.

7. Where analytical standards are not available for the branched isomers, use qualitative (technical grade) standards to identify the branched isomer using retention times, transitions, and ion transition ratios. Quantitate target (native) analytes that use qualitative branched isomer standards by integrating the branched and linear isomer peaks and sum the peak areas to get a total area. Calculate the target (native) analyte concentration using the linear isomer.

Do not include branched isomer peaks in the initial calibration when qualitative standards are used, and do not use calibration functions from the qualitative branched isomer standards to quantitate branch isomer concentrations.

8. It is expected that the target (native) analytes that have exact labeled analogs would elute within 0.1 min of their analogs. {F}
9. Have a written policy on how retention time windows are established.
10. It is expected that the method reporting limit (MRL) concentration would not be below the lowest standard concentration in the initial calibration.
11. The MDL is expected to be less than the MRL.
12. Report sample results and all quality control blank results to the MDL and include the MRL with each result. Qualify results reported between the MDL and MRL as estimated concentrations.

Example 1: MDL = 0.6, MRL = 2, sample result = 0.4. Report as:

<u>Result</u>	<u>MDL</u>	<u>MRL</u>
<0.6	0.6	2.0

Example 2: MDL = 0.6, MRL = 2, sample result = 0.8. Report as:

<u>Result</u>	<u>MDL</u>	<u>MRL</u>
0.8 J	0.6	2.0

13. The MDL for PFOS and PFOA in non-potable waters are each expected to be no higher than 2 ng/L.
14. It is expected that high density polyethylene or polypropylene autosampler vials are single injection use only unless they are immediately recapped.
15. It is expected that all sample results are reported from a response that is no higher than the highest response in the initial calibration, except for samples that saturate the instrument. If supplemental EIS is needed to quantitate dilutions, qualify the results that used the supplemental EIS (in this case, true isotope dilution was not achieved).
16. It is expected that sample results that saturate the instrument are reported with “E” flags. {F}
17. For target (native) analytes, the Signal to Noise (S/N) ratio is expected to be greater than or equal to 3:1 for quantitation ions and confirmation ions. If the S/N is not achieved, it is expected that the peak would not be used in any way and the analyte would be reported as “not detected.”



18. All analytes that have two transitions are expected to include two transitions ions in the analysis (precursor ion to quantitation ion and precursor ion to confirmation ion). Use the confirmation ion for positive analyte identification. The department has provided a list of target (native) analytes and confirmation ions in section XII, “Wisconsin Laboratory Accreditation Program PFAS Certification Offerings with Ions,” of this document.

19. Assess primary and secondary ion transition ratios. It is expected that recoveries be within 50–150% of the value calculated from the midrange standard in the ICAL on ICAL days or from the beginning CCV on non-ICAL days. {F}

$$\text{The transition ratio} = \frac{\text{quantitation ion abundance}}{\text{confirmation ion abundance}} \quad \text{or} \quad \frac{\text{confirmation ion abundance}}{\text{quantitation ion abundance}}$$

Either ratio protocol presented above can be used, but it is expected that the protocol is consistently used for all analytes.

When the ion ratio fails, it is expected that the target (native) analytes would still be reported but qualify them as failing the ion ratio. {F} The ion transition ratio can help identify if bias is present. Ratios can be outside of limits due to interferences or the presence of branched isomers that are in the sample but not in the quantitation standards.

20. Document the primary and confirmation transitions and the ion transition ratio.

21. It is expected that the following transitions are used for quantitation of the following analytes [precursor – product] unless a technically justified reason is used and documented:

- a. PFOA 413-369
- b. PFOS 499-80
- c. PFHxS 399-80
- d. PFBS 299-80
- e. 4:2 FTS 327-307
- f. 6:2 FTS 427-407
- g. 8:2 FTS 527-507
- h. NEtFOSAA 584-419
- i. NMeFOSAA 570-419

22. The laboratory is expected to determine at what concentration the instrument has carryover at concentrations greater than one-half the MRL. The laboratory is expected to have a documented procedure to bring the instrument back in control after encountering a sample with carryover. PFAS have demonstrated a delayed release in the system.

23. Report results in acid form.

24. Verify standard purity and ensure that any standards with less than 98% purity are corrected for in the calculations.

25. Mass correct salt content in all calibration standards purchased as salts.

26. Perform a moisture analysis on solid samples (on a subsample different than that used for extraction) and adjust the final concentration of solid samples for the percent moisture.

27. If only the liquid phase of a biphasic sample was extracted, report the results as liquid concentration results instead of total sample concentration results. The lab should report the weight of the solid phase not prepared in this case. This can be detailed in the narrative.



28. If the data quality objective is to obtain a total sample concentration and the sample is biphasic, then extract and analyze both phases.
29. Do not subtract quality control blank values from sample result values.
30. Integrate linear and branched isomers in the samples in the same manner as the standards.
31. Include the following elements in the laboratory SOP:
 - a. The extracted internal standards used to calculate the result of each target (native) analyte reported.
 - b. The mass used for the precursor ion for each analyte.
 - c. The mass used for the product quantitation ion for each analyte.
 - d. The mass used for the product confirmation ion for each analyte.
 - e. Instructions for conditioning and elution of the SPE cartridge.
 - f. Indicate which branched isomers are calculated using the linear isomer standard.
32. PFOA and PFOS WP PT samples are necessary for aqueous (non-potable water) certification of PFOA and PFOS. To obtain the 36-analyte group for aqueous (non-potable water) or non-aqueous from Wisconsin, analyze a PT with a minimum of 6 PFAS that include PFOA and PFOS. It is expected that 80% of the spiked analytes pass.
33. Requirements in NR 149 still apply to this analysis unless otherwise specified in this document.

AS NEW INFORMATION IS PROVIDED BY THE EPA, THIS DOCUMENT WILL BE UPDATED.



IX. Other Considerations

1. Screen a separate aliquot of sample received prior to preparation of a quantitative analysis.
2. Prior to any quantitative analysis, at least one, if not multiple instrument blanks should be analyzed to assess the system for potential contamination. These instrument blanks should include EIS to enable quantitation of the contamination.
3. Evaluate all containers, water, reagents, solvents, materials, SPE cartridges, and equipment as sources of contamination. The lab should be able to demonstrate that these items are not introducing unacceptable positive or negative bias.
4. Supplies should be tested on a lot-by-lot basis.
5. Avoid contact with glassware.
6. Avoid any Teflon including Teflon lined caps.
7. Flush water purification system with 3 liters of reagent water before using.
8. Use LC PEEK tubing and stainless-steel frits.
9. Use polypropylene transfer lines.
10. Replace mobile phase after 48 hours of preparation.
11. Store standards in the containers they were received in and at the storage conditions recommended by the manufacturer.
12. Store solid PFSA standards in a desiccator as they can hydrate over time.
13. PFCA standards in methanol solution may undergo esterification to methyl esters. Ideally, purchase PFCA standard solutions in methanol that contain four mole equivalents of NaOH. Use basic methanol (0.3% NH₄OH v/v in methanol) rather than straight methanol for all standard dilutions to avoid this potential problem.
14. PFSA standards that are ¹⁸O-labelled may exchange with water and therefore reducing purity.
15. To establish retention times, analyze individual standards of each analyte. Analyze a mixed standard of all analytes to confirm their separation and identification.
16. Validate each individual standard and labeled standard by analysis to confirm its identity and the absence of significant impurities.
17. Certified standards have been known to vary by as much as 20% between vendors. The laboratory should be able to demonstrate that the standards being used are of known and defensible quality.
18. Some certified standards are less than 90% pure and often contain impurities that are other PFAS being analyzed.
19. EIS should be 96% or greater purity. When the impurity consists of an unlabeled analyte, the EIS can result in a background artifact that is present in every sample, standard, and blank if the EIS is spiked at excessive concentrations.
20. Different certified standards can have different isomer content.
21. Calibration standards are solvent based only. Matrix matched calibration standards (such as those that include sand or fish tissue) should not be used for isotope dilution methods.
22. If the site where samples are being collected is considered a “newer” spill and source apportionment is one of the data quality objectives, ship the samples with dry ice. PFAS transformation can occur if the samples are not frozen.
23. Although matrix spikes and matrix spike duplicates (MS/MSDs) are not necessary, analyzing them would help with assessing measurement bias for those target (native) analytes that do not have exact labeled isotope analogs.
24. Solid samples should not be air dried unless required by a QAPP.
25. Perform solid and fish tissue PT samples.



X. Definitions

Confirmation Ion - one of the fragment ions (product ions) used to help qualitatively confirm presence of the analyte. The product ion chosen is typically one of the remaining ions with high sensitivity and minimum interferences, after the quantitation ion has been chosen. Not all precursor ions provide confirmation ions.

Extraction batch – a set of one to 20 environmental samples of the same certification matrix with a maximum time of 24 hours between the start of processing of the first and last samples in the batch.

Extracted Internal Standards (EIS) - isotopically labeled internal standards that undergo the same extraction and analysis as the other analytes in the sample. The EIS are added to the sample at the very beginning of the procedure before extraction, centrifugation, filtering, or phase separation. Ideally, these are exact isotopically labeled analogs of the target (native) analyte so that identical behavior can be assumed. The recoveries of these standards are used to adjust the target (native) analyte results.

Internal Standard Dilution Quantitation - measurement of native analytes using an alternate analog (surrogate) isotope (one that has the same chemical behavior and is close in retention time to the native analyte) thus providing a close approximation of matrix effects and losses that can occur during the preparatory and analytical procedures. The native analyte concentration is adjusted for the recovery of the alternate analog isotope. An alternate analog isotope is typically used when an exact analog isotope is not available.

Method Detection Limit (MDL) – the minimum measured concentration of a substance that is reported with 99% confidence that the measured concentration is distinguishable from method blank results. The MDL is generated according to the procedure specified in the latest revision of 40 CFR Part 136, Appendix B. The MDL is expected to meet S/N ratio, ion transition ratio, and both quantitation and confirmation ions.

Method Reporting Limit (MRL) – the minimum concentration reported as a quantitative value for a method analyte in a sample following analysis. This defined concentration is expected to be no lower than the concentration of the lowest calibration standard for that analyte and is only used if the recovery in the lowest standard is within 50 – 150%.

Native Analyte - the analyte being tested in the matrix of interest. It is also the analyte for which a result would be reported. It is defined as native to distinguish it from analyte standards added during the test procedure. Native analyte is also referred to as “target analyte” or “reported analyte.”

Precursor Ion – the deprotonated molecule of the analyte. The precursor ion is mass selected and fragmented to produce distinctive product ions of smaller m/z .

Product Ion – one of the fragment ions produced from the precursor ion.

Quantitation Ion – one of the fragment ions (product ions) used to quantitate analyte concentrations. The product ion chosen is typically one of high sensitivity and minimum interferences.

True Isotope Dilution Quantitation – measurement of native analytes using an exact analog (surrogate) isotope of the native analyte thus eliminating differences in chemical behavior. The native analyte concentration is adjusted for the recovery of the exact analog isotope that has been included in the preparatory and analytical procedures.



XI. Wisconsin Laboratory Accreditation Program PFAS Certification Offerings – 5.1.19

#	Acronym	Name	CAS #	# carbons	Acronyms (other)
Carboxylic Acids					
1	PFBA	Perfluorobutanoic acid	375-22-4	4	
2	PFPeA	Perfluoropentanoic acid	2706-90-3	5	
3	PFHxA	Perfluorohexanoic acid	307-24-4	6	
4	PFHpA	Perfluoroheptanoic acid	375-85-9	7	
5	PFOA	Perfluorooctanoic acid	335-67-1	8	
6	PFNA	Perfluorononanoic acid	375-95-1	9	
7	PFDA	Perfluorodecanoic acid	335-76-2	10	
8	PFUnA	Perfluoroundecanoic acid	2058-94-8	11	PFUdA, PFUnDA
9	PFDoA	Perfluorododecanoic acid	307-55-1	12	PFDoDA
10	PFTriA	Perfluorotridecanoic acid	72629-94-8	13	PFTriA, PFTriDA
11	PFTeA	Perfluorotetradecanoic acid	376-06-7	14	PFTeDA
12	PFHxDA	Perfluorohexadecanoic acid	67905-19-5	16	
13	PFODA	Perfluorooctadecanoic acid	16517-11-6	18	
Sulfonic Acids					
14	PFBS	Perfluorobutanesulfonic acid	375-73-5	4	
15	PFPeS	Perfluoropentanesulfonic acid	2706-91-4	5	
16	PFHxS	Perfluorohexanesulfonic acid	355-46-4	6	
17	PFHpS	Perfluoroheptanesulfonic acid	375-92-8	7	
18	PFOS	Perfluorooctanesulfonic acid	1763-23-1	8	
19	PFNS	Perfluorononanesulfonic acid	68259-12-1	9	
20	PFDS	Perfluorodecanesulfonic acid	335-77-3	10	
21	PFDoS	Perfluorododecanesulfonic acid	79780-39-5	12	PFDoDS
22	4:2 FTSA	4:2 Fluorotelomer sulfonic acid	757124-72-4	6	
23	6:2 FTSA	6:2 Fluorotelomer sulfonic acid	27619-97-2	8	
24	8:2 FTSA	8:2 Fluorotelomer sulfonic acid	39108-34-4	10	
25	10:2 FTSA	10:2 Fluorotelomer sulfonic acid	120226-60-0	12	
Sulfonamides, Sulfomidoacetic acids, Sulfonamidoethanols					
26	FOSA	Perfluorooctane sulfonamide	754-91-6	8	PFOSA
27	NMeFOSA	N-Methyl perfluorooctane sulfonamide	31506-32-8	9	MeFOSA
28	NEtFOSA	N-Ethyl perfluorooctane sulfonamide	4151-50-2	10	EtFOSA
29	NMeFOSAA	N-Methyl perfluorooctane sulfonamidoacetic acid	2355-31-9	11	MeFOSAA
30	NEtFOSAA	N-Ethyl perfluorooctane sulfonamidoacetic acid	2991-50-6	12	EtFOSAA



Wisconsin PFAS Aqueous (Non-Potable Water) and Non-Aqueous Matrices Method Expectations

31	NMeFOSE	N-Methyl perfluorooctane sulfonamidoethanol	24448-09-7	11	MeFOSE
32	NEtFOSE	N-Ethyl perfluorooctane sulfonamidoethanol	1691-99-2	12	EtFOSE
Replacement Chemicals					
33	HFPO-DA	Hexafluoropropylene oxide dimer acid ¹	13252-13-6	6	PFPrOPrA
34	DONA	4,8-Dioxa-3H-perfluorononanoic acid ²	919005-14-4	7	
35	9Cl-PF3ONS	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid ³	756426-58-1	8	F-53B Major
36	11Cl-PF3OUdS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid ⁴	763051-92-9	10	F-53B Minor
	1 - Also referred to as "GenX"				
	2 - Also available as the ammonium salt = ADONA (Ammonium 4,8-dioxa-3H-perfluorononanoate) # 958445-44-8				
	3 - Also available as the potassium salt = Potassium, 9-chlorohexadecafluoro-3-oxanone-1-sulfonate # 73606-19-6				
	4 - Also available as the potassium salt = Potassium, 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate # 83329-89-9				

XII. Wisconsin Laboratory Accreditation Program PFAS Certification Offerings with Ions – 10.27.19

The masses presented are expected to be used, although if other masses are used for the precursor or product ions, the reason is expected to be documented (such as interferences). If the confirmation ion is weak (S/N < 3), it does not have to be used but instrument optimization can increase the S/N.

#	Acronym	Name	CAS #	Precursor Ion Mass	Primary Product Ion Mass	Suggested Confirmation Product Ion Mass
Carboxylic Acids						
1	PFBA	Perfluorobutanoic acid	375-22-4	213	169	None
2	PFPeA	Perfluoropentanoic acid	2706-90-3	263	219	69, None
3	PFHxA	Perfluorohexanoic acid	307-24-4	313	269	119
4	PFHpA	Perfluoroheptanoic acid	375-85-9	363	319	169
5	PFOA	Perfluorooctanoic acid	335-67-1	413	369	169
6	PFNA	Perfluorononanoic acid	375-95-1	463	419	219
7	PFDA	Perfluorodecanoic acid	335-76-2	513	469	219
8	PFUnA	Perfluoroundecanoic acid	2058-94-8	563	519	269
9	PFDoA	Perfluorododecanoic acid	307-55-1	613	569, 319	569, 369, 319, 269, 169
10	PFTriA	Perfluorotridecanoic acid	72629-94-8	663	619	369, 319, 269, 169
11	PFTeA	Perfluorotetradecanoic acid	376-06-7	713	669	369, 319, 269, 169
12	PFHxDA	Perfluorohexadecanoic acid	67905-19-5	813	769	369, 319, 269, 219, 169
13	PFODA	Perfluorooctadecanoic acid	16517-11-6	913	869	369, 319, 269, 219, 169
Sulfonic Acids						
14	PFBS	Perfluorobutanesulfonic acid	375-73-5	299	80	99
15	PFPeS	Perfluoropentanesulfonic acid	2706-91-4	349	80	99
16	PFHxS	Perfluorohexanesulfonic acid	355-46-4	399	80	99
17	PFHpS	Perfluoroheptanesulfonic acid	375-92-8	449	99, 80	99, 80
18	PFOS	Perfluorooctanesulfonic acid	1763-23-1	499	80	99
19	PFNS	Perfluorononanesulfonic acid	68259-12-1	549	80	99
20	PFDS	Perfluorodecanesulfonic acid	335-77-3	599	99, 80	99, 80
21	PFDoS	Perfluorododecanesulfonic acid	79780-39-5	699	80	99, 62
22	4:2 FTSA	4:2 Fluorotelomer sulfonic acid	757124-72-4	327	307	81, 80
23	6:2 FTSA	6:2 Fluorotelomer sulfonic acid	27619-97-2	427	407	81, 80
24	8:2 FTSA	8:2 Fluorotelomer sulfonic acid	39108-34-4	527	507	81, 80
25	10:2 FTSA	10:2 Fluorotelomer sulfonic acid	120226-60-0	627	607	587, 81, 80



Sulfonamides, Sulfomidoacetic acids, Sulfonamidoethanols						
26	FOSA	Perfluorooctane sulfonamide	754-91-6	498	78	478, 169, None
27	NMeFOSA	N-Methyl perfluorooctane sulfonamide	31506-32-8	512	169	219
28	NEtFOSA	N-Ethyl perfluorooctane sulfonamide	4151-50-2	526	169	219
29	NMeFOSAA	N-Methyl perfluorooctane sulfonamidoacetic acid	2355-31-9	570	419	512, 483
30	NEtFOSAA	N-Ethyl perfluorooctane sulfonamidoacetic acid	2991-50-6	584	419	526, 483
31	NMeFOSE	N-Methyl perfluorooctane sulfonamidoethanol	24448-09-7	616	59	122, None
32	NEtFOSE	N-Ethyl perfluorooctane sulfonamidoethanol	1691-99-2	630	59	136, None
Replacement Chemicals						
33	HFPO-DA	Hexafluoropropylene oxide dimer acid	13252-13-6	329	285, 169	285, 169, None
34	DONA	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	377	251	85, None
35	9Cl-PF3ONS	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	756426-58-1	531	351	83, None
36	11Cl-PF3OUdS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	631	451	99, None

NOTE: ISO 21675, SW 8327, and Wellington Laboratories provide precursor, product and confirmation ions for many of the extracted internal standards

Mass Source
EPA 537.1
DoD QSM 5.3
Janice Willey
EPA-821-R-11-007, PFAS in Sludge/Biosolids
ISO 21675
SW 8327
Wellington Laboratories
Confirmation mass have multiple sources