

May 6, 2022

AECOM Project No.
60639735

WDNR BRRTs No.
02-08-585623

Mr. Kevin McKnight
Wisconsin Department of Natural Resources
Green Bay Service Center
2984 Shawno Avenue
Green Bay, WI 54313-6727

Per- and Polyfluoroalkyl Substances (PFAS) Soil Sampling Results at former Tecumseh Products Co. Plant, 1604 Michigan Avenue, New Holstein, Wisconsin

Dear Mr. McKnight:

On behalf of Tecumseh Products Company LLC (TPC), AECOM Technical Services, Inc. (AECOM) is reporting on soil sampling conducted for the Per- and Polyfluoroalkyl Substances (PFAS) site investigation at the former TPC manufacturing plant located at 1604 Michigan Avenue, New Holstein, WI (Site).

On March 21, 2022 AECOM completed a series of eight soil borings near the two former plating lines at the Site. During this work a series of 16 soil samples were collected for laboratory analysis of PFAS. Laboratory reporting consisted of the list of 33 PFAS compounds included in the Wisconsin Department of Natural Resources (WDNR) laboratory certification program. Following receipt of laboratory results, the data was reviewed and validated. This letter provides the results in accordance with the 10-day notification requirements. The following items are included with this submittal:

- WDNR Form 4400-249 (Sample Results Notification),
- Figure showing soil boring locations,
- Summary table of laboratory results with comparison to Non-industrial Residual Contaminant Levels (RCLs) and Industrial Direct Contact RCLs, and
- Level 4 data package (Summary Data Report provided to City of New Holstein).

Results from this effort will be incorporated into a Supplemental Site Investigation Report.

Yours sincerely,



James Buss
Project Manager - AECOM
M: 608-630-7681
E: james.buss@aecom.com

cc: Jason Smith – Tecumseh Products Company
Casey Langenfeld – City of New Holstein
Janel Dean – AECOM

FORM 4400-249 Notification

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information

Site Name		DNR ID # (BRRTS #)	
Former Tecumseh Products Co. Plant - New Holstein		02-08-585623	
Address	City	State	ZIP Code
1604 Michigan Avenue	New	WI	53061

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner

Tecumseh Products Company LLC

Address	City	State	ZIP Code
5683 Hines Drive	Ann Arbor	MI	48108
Contact Person	Phone Number (include area code)		
Jason Smith	(731) 707-2889		

Person or company that collected samples

AECOM

Sample Results (Results Attached)

Reason for Sampling: Routine Other (define) Continued PFAS Site Investigation

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil?		In Groundwater?	
	Yes	No	Yes	No
Gasoline	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Diesel or Fuel Oil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Solvents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heavy Metals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pesticides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: <u>PFAS (Wis 33)</u>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

This sampling event included sampling of a drinking water well. <input type="radio"/> Yes <input checked="" type="radio"/> No
If yes, the sampled drinking water well had detectable contaminants. <input type="radio"/> Yes <input type="radio"/> No

Contaminants in Vapor

	Yes	No
Indoor Air	<input type="radio"/>	<input type="radio"/>
Sub-slab	<input type="radio"/>	<input type="radio"/>
Exterior Soil Gas	<input type="radio"/>	<input type="radio"/>

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

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Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a \$700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

Environmental Consultant

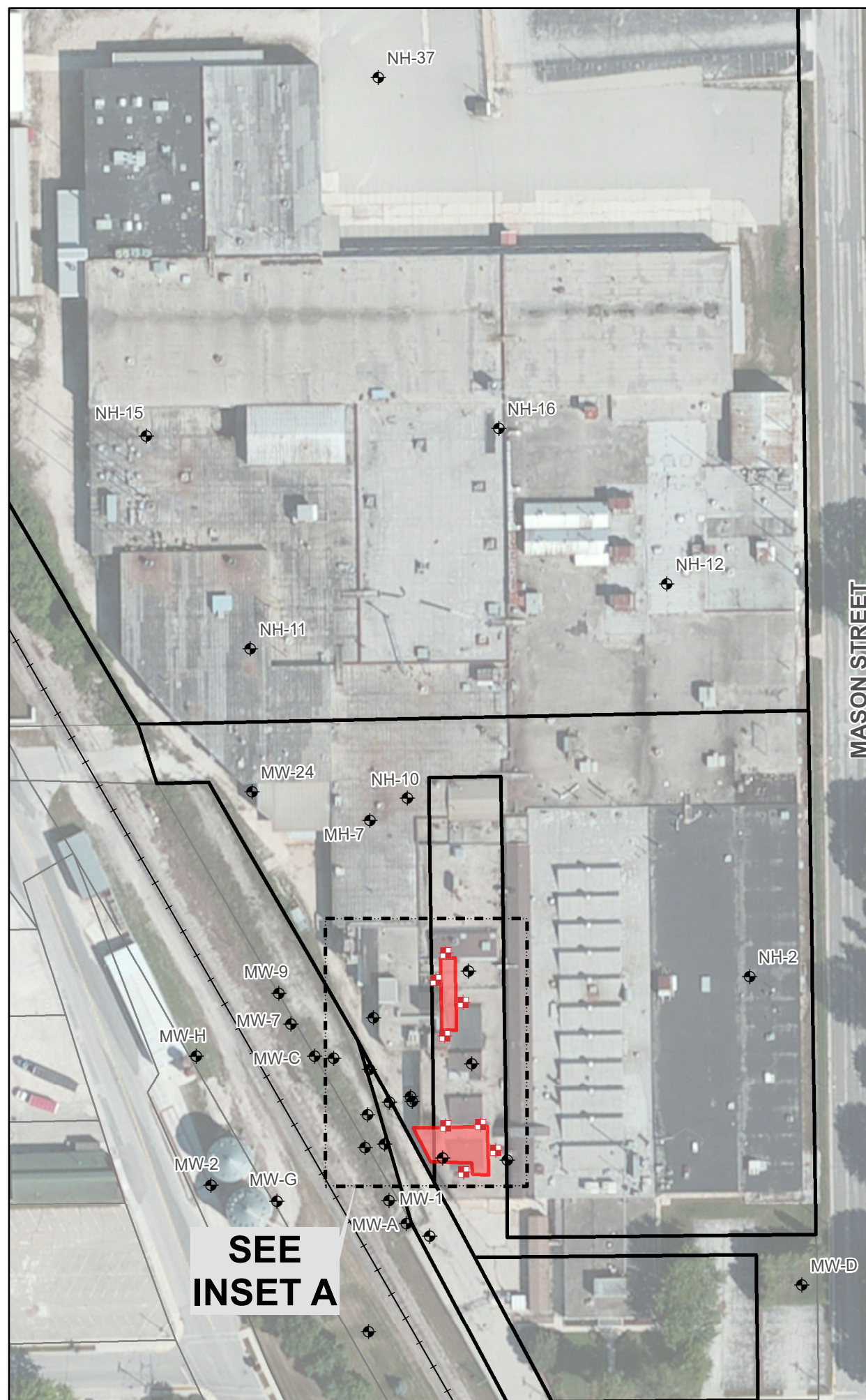
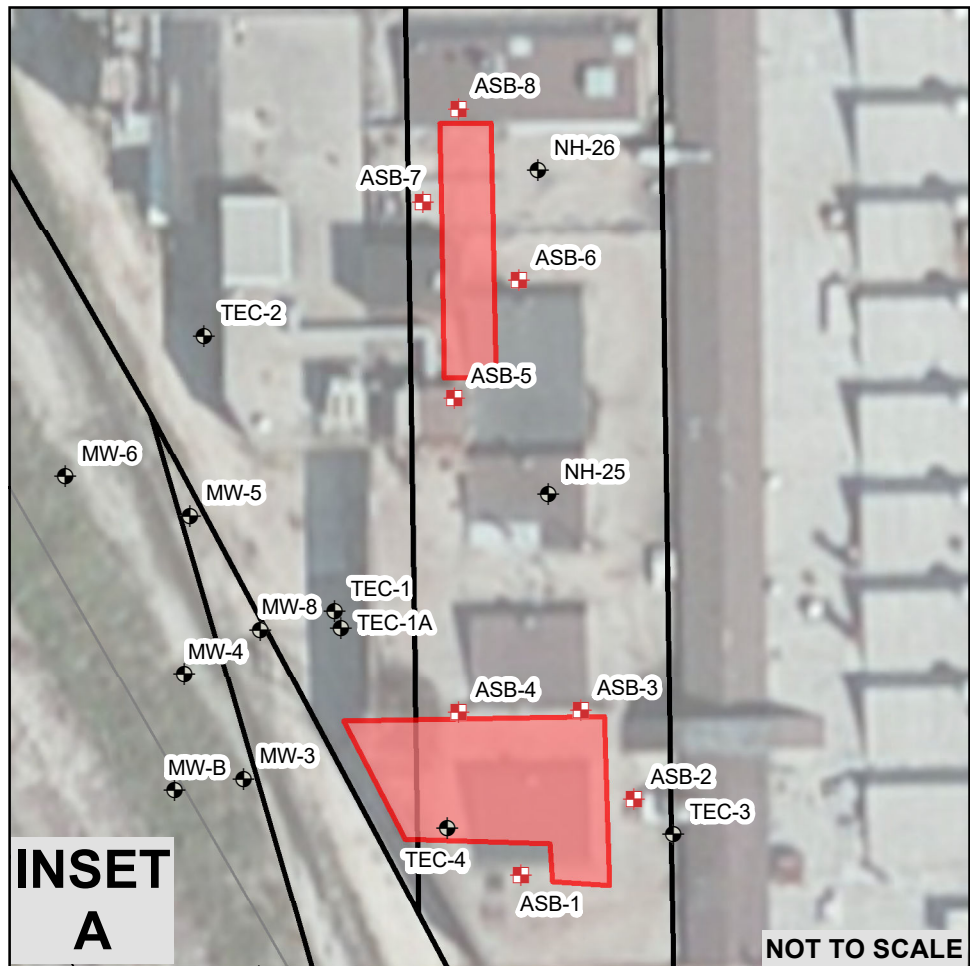
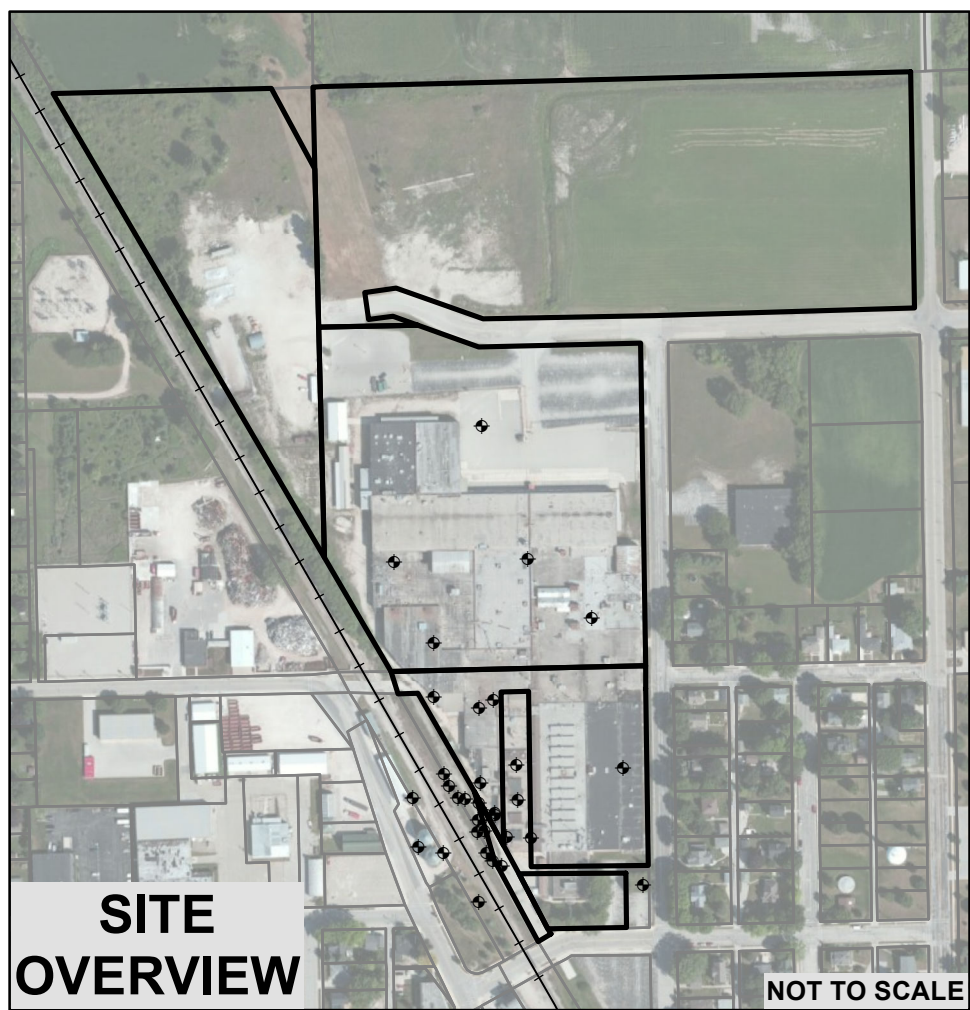
Company Name		Contact Person Last Name		First Name	
AECOM		Buss		Jim	
Address			City	State	ZIP Code
1350 Deming Way, Suite 100			Middleton	WI	53562
Phone # (inc. area code)	Email				
(608) 630-7681	james.buss@aecom.com				

Select which agency: Natural Resources Agriculture, Trade and Consumer Protection




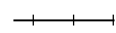


State of Wisconsin Department of Natural Resources

Contact Person Last Name		First Name		Phone # (inc. area code)	
McKnight		Kevin		(920) 808-0170	
Address			City	State	ZIP Code
625 E CTY Y, Suite 700			Oshkosh	WI	54901
Email					
Kevin.McKnight@wisconsin.gov					

Site Figure

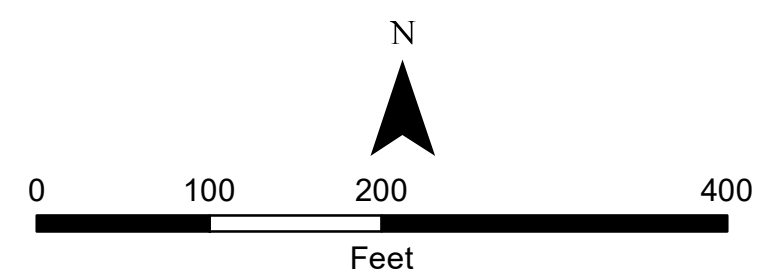



LEGEND

-  SITE PARCELS
-  SURROUNDING PROPERTIES
-  FORMER PLATING LINES
-  RAILROAD
-  MONITORING WELL
-  SOIL BORING

NOTES

1. AERIAL PHOTOGRAPHY SUPPLIED BY CALUMET COUNTY PLANNING, ZONING, AND LAND INFORMATION DEPARTMENT. PHOTOGRAPH DATE: 2014.



PROJECT:		TECUMSEH PRODUCTS CO. (FORMER) NEW HOLSTEIN, WISCONSIN BRTS NO.: 02-08-585623	
TITLE:		MONITORING WELL LOCATION MAP	
DRAWN BY:	J. DEAN	PROJ NO.:	60639735
CHECKED BY:	D. BOGDAN	SCALE.:	1:1,200
APPROVED BY:	J. BUSS	FIGURE 1	
DATE:	APRIL 2022		
		FILE NO.: F1_Boringss.mxd	

Summary Table

Laboratory Analytical Summary

April 20, 2022

Vista Work Order No. 2203194

Mr. James Buss
AECOM
1350 Deming Way, Suite 100
Middleton, WI 53562

Dear Mr. Buss,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on March 24, 2022 under your Project Name 'Former Tecumseh Products Co. Plant'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at jfox@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,



Jamie Fox
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 2203194

Case Narrative

Sample Condition on Receipt:

Eighteen solid samples and two water samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements.

Analytical Notes:

PFAS Isotope Dilution Method - Solid

The solid samples were extracted and analyzed for a selected list of PFAS using Vista's Isotope Dilution Method. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above the Reporting Limit (RL). The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are listed in the table below.

PFAS Isotope Dilution Method - Aqueous

The water samples were extracted and analyzed for a selected list of PFAS using Vista's PFAS Isotope Dilution Method. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the

preparation batch. No analytes were detected in the Method Blank above the Reporting Limit. The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are listed in the table below.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
B22C230-BS1	B22C230-BS1	PFAS Isotope Dilution Method	d3-MeFOSA	H	24.5
B22C230-BS1	B22C230-BS1	PFAS Isotope Dilution Method	d5-EtFOSA	H	22.4
B22C282-BS1	B22C282-BS1	PFAS Isotope Dilution Method	d3-MeFOSA	H	17.2
B22C282-BS1	B22C282-BS1	PFAS Isotope Dilution Method	d5-EtFOSA	H	15.7

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2203194-01	ASB-5 (2-3)	21-Mar-22 12:40	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-02	ASB-5 (5-6)	21-Mar-22 12:45	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-03	ASB-6 (2-3)	21-Mar-22 13:15	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-04	ASB-6 (3-4)	21-Mar-22 13:20	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-05	ASB-7 (2-3)	21-Mar-22 13:50	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-06	ASB-7 (5-6)	21-Mar-22 13:55	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-07	ASB-8 (3-4)	21-Mar-22 14:30	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-08	ASB-8 (6-7)	21-Mar-22 14:35	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-09	DUP-2	21-Mar-22 14:35	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-10	FB-1	21-Mar-22 14:50	24-Mar-22 09:37	HDPE Bottle, 250 mL
2203194-11	EB-1	21-Mar-22 09:15	24-Mar-22 09:37	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
2203194-12	ASB-1 (5-6)	21-Mar-22 09:55	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-13	ASB-1 (7-8)	21-Mar-22 09:57	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-14	ASB-2 (1-2)	21-Mar-22 10:45	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-15	ASB-2 (7-8)	21-Mar-22 10:50	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-16	ASB-3 (2-3)	21-Mar-22 11:15	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-17	DUP-1	21-Mar-22 11:15	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-18	ASB-3 (6-7)	21-Mar-22 11:20	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-19	ASB-4 (4-5)	21-Mar-22 11:55	24-Mar-22 09:37	HDPE Jar, 6 oz
2203194-20	ASB-4 (6-7)	21-Mar-22 12:00	24-Mar-22 09:37	HDPE Jar, 6 oz

ANALYTICAL RESULTS

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	B22C282-BLK1	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant						

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.460	0.460	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFPeA	<0.368	0.368	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFBS	<0.306	0.306	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-4:2 FTS	<0.644	0.644	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFHxA	<0.320	0.320	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFPeS	<0.300	0.300	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
HFPO-DA	<0.868	0.868	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFHpA	<0.486	0.486	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
ADONA	<0.252	0.252	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFHxS	<0.486	0.486	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
Br-PFHxS	<0.486	0.486	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
Total PFHxS	<0.486	0.486	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-6:2 FTS	<0.518	0.518	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFOA	<0.270	0.270	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
Br-PFOA	<0.270	0.270	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
Total PFOA	<0.270	0.270	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFHpS	<0.516	0.516	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFNA	<0.372	0.372	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFOSA	<0.572	0.572	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFOS	<0.648	0.648	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
Br-PFOS	<0.648	0.648	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
Total PFOS	<0.648	0.648	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
9Cl-PF3ONS	<0.328	0.328	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFDA	<0.442	0.442	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-8:2FTS	<0.588	0.588	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFNS	<0.828	0.828	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-MeFOSAA	<0.404	0.404	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
Br-MeFOSAA	<0.404	0.404	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
Total MeFOSAA	<0.404	0.404	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-EtFOSAA	<0.380	0.380	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
Br-EtFOSAA	<0.380	0.380	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
Total EtFOSAA	<0.380	0.380	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFUnA	<0.506	0.506	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFDS	<0.242	0.242	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
11Cl-PF3OUdS	<0.532	0.532	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFDoA	<0.456	0.456	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-MeFOSA	<1.34	1.34	1.50		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFTrDA	<0.406	0.406	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1

Sample ID: Method Blank
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	B22C282-BLK1	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant						

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFDoS	<0.422	0.422	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-PFTeDA	<0.428	0.428	0.500		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-EtFOSA	<0.776	0.776	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-EtFOSE	<0.736	0.736	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
L-MeFOSE	<0.620	0.620	1.00		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	98.1	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C3-PFPeA	IS	95.3	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C3-PFBS	IS	83.7	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C3-HFPO-DA	IS	79.6	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C2-4:2 FTS	IS	79.6	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C2-PFHxA	IS	91.8	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C4-PFHpA	IS	95.7	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C3-PFHxS	IS	95.4	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C2-6:2 FTS	IS	106	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C5-PFNA	IS	87.5	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C8-PFOA	IS	60.5	10 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C2-PFOA	IS	103	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C8-PFOS	IS	100	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C2-PFDA	IS	114	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C2-8:2 FTS	IS	95.2	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
d3-MeFOSAA	IS	86.8	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C2-PFUnA	IS	90.2	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
d5-EtFOSAA	IS	84.4	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C2-PFDoA	IS	95.1	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
d3-MeFOA	IS	12.8	10 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
13C2-PFTeDA	IS	81.2	25 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
d5-EtFOA	IS	12.0	10 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
d7-MeFOSE	IS	34.2	10 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	1
d9-EtFOSE	IS	39.9	10 - 150		B22C282	07-Apr-22	1.00 g	12-Apr-22 00:04	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: OPR

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	B22C282-BS1	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant						

Analyte	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	1.06	1.00	106	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFPeA	0.851	1.00	85.1	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFBS	1.02	1.00	102	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-4:2 FTS	1.02	1.00	102	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFHxA	0.997	1.00	99.7	50 - 150	Q	B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFPeS	0.963	1.00	96.3	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
HFPO-DA	1.01	1.00	101	50 - 150	Q	B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFHpA	1.11	1.00	111	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
ADONA	1.05	1.00	105	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
Total PFHxS	1.00	1.00	100	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-6:2 FTS	1.50	1.00	150	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
Total PFOA	1.15	1.00	115	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFHpS	0.800	1.00	80.0	50 - 150	J	B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFNA	1.03	1.00	103	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFOSA	0.981	1.00	98.1	50 - 150	J, Q	B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
Total PFOS	1.12	1.00	112	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
9Cl-PF3ONS	0.900	1.00	90.0	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFDA	0.848	1.00	84.8	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-8:2FTS	1.13	1.00	113	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFNS	0.975	1.00	97.5	50 - 150	J	B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
Total MeFOSAA	0.924	1.00	92.4	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
Total EtFOSAA	1.09	1.00	109	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFUnA	0.880	1.00	88.0	50 - 150	J	B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFDS	0.688	1.00	68.8	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
11Cl-PF3OUdS	1.16	1.00	116	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFDoA	0.926	1.00	92.6	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-MeFOSA	1.02	1.00	102	50 - 150	J	B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFTrDA	0.895	1.00	89.5	50 - 150	Q	B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
PFDoS	0.990	1.00	99.0	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-PFTeDA	1.02	1.00	102	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-EtFOSA	1.29	1.00	129	50 - 150	Q	B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	B22C282-BS1	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant						

Analyte	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-EtFOSE	0.697	1.00	69.7	50 - 150	J	B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
L-MeFOSE	1.26	1.00	126	50 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
Labeled Standards	Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS		89.8	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C3-PFPeA	IS		87.9	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C3-PFBS	IS		80.6	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C3-HFPO-DA	IS		81.1	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C2-4:2 FTS	IS		76.4	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C2-PFHxA	IS		85.8	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C4-PFHpA	IS		83.2	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C3-PFHxS	IS		84.7	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C2-6:2 FTS	IS		81.0	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C5-PFNA	IS		79.8	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C8-PFOA	IS		44.3	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C2-PFOA	IS		88.3	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C8-PFOS	IS		88.6	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C2-PFDA	IS		60.1	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C2-8:2 FTS	IS		84.4	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
d3-MeFOSAA	IS		58.0	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C2-PFUnA	IS		57.0	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
d5-EtFOSAA	IS		62.3	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C2-PFDoA	IS		52.2	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
d3-MeFOSA	IS		17.2	25 - 150	H	B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
13C2-PFTeDA	IS		61.9	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
d5-EtFOSA	IS		15.7	25 - 150	H	B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
d7-MeFOSE	IS		28.0	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1
d9-EtFOSE	IS		25.6	25 - 150		B22C282	07-Apr-22	1.00 g	13-Apr-22 14:10	1

Sample ID: ASB-5 (2-3)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-01	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 12:40	Date Received:	24-Mar-22 09:37		
				% Solids:	90.4		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.458	0.458	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFPeA	<0.367	0.367	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFBS	<0.305	0.305	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-4:2 FTS	<0.642	0.642	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFHxA	<0.319	0.319	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFPeS	<0.299	0.299	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
HFPO-DA	<0.865	0.865	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFHpA	<0.484	0.484	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
ADONA	<0.251	0.251	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFHxS	<0.484	0.484	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
Br-PFHxS	<0.484	0.484	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
Total PFHxS	<0.484	0.484	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-6:2 FTS	<0.516	0.516	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFOA	<0.269	0.269	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
Br-PFOA	<0.269	0.269	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
Total PFOA	<0.269	0.269	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFHpS	<0.514	0.514	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFNA	<0.371	0.371	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFOSA	<0.570	0.570	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFOS	2.74	0.646	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
Br-PFOS	1.60	0.646	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
Total PFOS	4.33	0.646	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
9Cl-PF3ONS	<0.327	0.327	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFDA	<0.440	0.440	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-8:2FTS	<0.586	0.586	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFNS	<0.825	0.825	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-MeFOSAA	<0.403	0.403	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
Br-MeFOSAA	<0.403	0.403	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
Total MeFOSAA	<0.403	0.403	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-EtFOSAA	<0.379	0.379	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
Br-EtFOSAA	<0.379	0.379	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
Total EtFOSAA	<0.379	0.379	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFUnA	<0.504	0.504	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFDS	<0.241	0.241	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
11Cl-PF3OUdS	<0.530	0.530	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFDoA	<0.454	0.454	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-MeFOSA	<1.33	1.33	1.49		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1

Sample ID: ASB-5 (2-3)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-01	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 12:40	Date Received:	24-Mar-22 09:37		
				% Solids:	90.4		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.405	0.405	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
PFDoS	<0.421	0.421	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-PFTeDA	<0.427	0.427	0.498		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-EtFOSA	<0.773	0.773	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-EtFOSE	<0.733	0.733	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
L-MeFOSE	<0.618	0.618	0.997		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	102	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C3-PFPeA	IS	99.6	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C3-PFBS	IS	92.9	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C3-HFPO-DA	IS	88.6	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C2-4:2 FTS	IS	96.8	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C2-PFHxA	IS	88.6	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C4-PFHpA	IS	100	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C3-PFHxS	IS	95.5	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C2-6:2 FTS	IS	125	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C5-PFNA	IS	104	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C8-PFOA	IS	56.8	10 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C2-PFOA	IS	106	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C8-PFOS	IS	103	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C2-PFDA	IS	110	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C2-8:2 FTS	IS	103	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
d3-MeFOSAA	IS	82.1	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C2-PFUnA	IS	100	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
d5-EtFOSAA	IS	91.1	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C2-PFDoA	IS	84.5	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
d3-MeFOA	IS	13.6	10 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
13C2-PFTeDA	IS	83.4	25 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
d5-EtFOA	IS	12.5	10 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
d7-MeFOSE	IS	28.0	10 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	1
d9-EtFOSE	IS	31.2	10 - 150		B22C282	07-Apr-22	1.11 g	12-Apr-22 00:25	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: ASB-5 (5-6)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-02	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 12:45	Date Received:	24-Mar-22 09:37		
				% Solids:	81.9		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.449	0.449	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFPeA	<0.359	0.359	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFBS	<0.299	0.299	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-4:2 FTS	<0.629	0.629	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFHxA	<0.313	0.313	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFPeS	<0.293	0.293	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
HFPO-DA	<0.848	0.848	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFHpA	<0.475	0.475	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
ADONA	<0.246	0.246	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFHxS	<0.475	0.475	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
Br-PFHxS	<0.475	0.475	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
Total PFHxS	<0.475	0.475	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-6:2 FTS	<0.506	0.506	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFOA	<0.264	0.264	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
Br-PFOA	<0.264	0.264	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
Total PFOA	<0.264	0.264	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFHpS	<0.504	0.504	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFNA	<0.363	0.363	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFOSA	<0.559	0.559	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFOS	2.20	0.633	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
Br-PFOS	<0.633	0.633	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
Total PFOS	2.61	0.633	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
9Cl-PF3ONS	<0.320	0.320	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFDA	<0.432	0.432	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-8:2FTS	<0.574	0.574	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFNS	<0.809	0.809	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-MeFOSAA	<0.395	0.395	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
Br-MeFOSAA	<0.395	0.395	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
Total MeFOSAA	<0.395	0.395	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-EtFOSAA	<0.371	0.371	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
Br-EtFOSAA	<0.371	0.371	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
Total EtFOSAA	<0.371	0.371	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFUnA	<0.494	0.494	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFDS	<0.236	0.236	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
11Cl-PF3OUdS	<0.520	0.520	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFDoA	<0.445	0.445	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-MeFOSA	<1.31	1.31	1.47		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1

Sample ID: ASB-5 (5-6)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-02	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 12:45	Date Received:	24-Mar-22 09:37		
				% Solids:	81.9		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.397	0.397	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
PFDoS	<0.412	0.412	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-PFTeDA	<0.418	0.418	0.488		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-EtFOSA	<0.758	0.758	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-EtFOSE	<0.719	0.719	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
L-MeFOSE	<0.606	0.606	0.977		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	102	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C3-PFPeA	IS	97.8	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C3-PFBS	IS	92.2	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C3-HFPO-DA	IS	82.0	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C2-4:2 FTS	IS	110	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C2-PFHxA	IS	91.9	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C4-PFHpA	IS	98.7	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C3-PFHxS	IS	93.2	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C2-6:2 FTS	IS	108	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C5-PFNA	IS	86.7	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C8-PFOA	IS	76.6	10 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C2-PFOA	IS	99.1	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C8-PFOS	IS	91.1	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C2-PFDA	IS	112	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C2-8:2 FTS	IS	96.5	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
d3-MeFOSAA	IS	98.1	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C2-PFUnA	IS	126	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
d5-EtFOSAA	IS	99.4	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C2-PFDoA	IS	113	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
d3-MeFOA	IS	39.2	10 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
13C2-PFTeDA	IS	100	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
d5-EtFOA	IS	36.1	10 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
d7-MeFOSE	IS	53.2	10 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	1
d9-EtFOSE	IS	57.4	10 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 00:35	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: ASB-6 (2-3)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-03	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 13:15	Date Received:	24-Mar-22 09:37		
				% Solids:	91.7		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.460	0.460	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFPeA	<0.368	0.368	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFBS	<0.306	0.306	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-4:2 FTS	<0.644	0.644	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFHxA	<0.320	0.320	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFPeS	<0.300	0.300	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
HFPO-DA	<0.868	0.868	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFHpA	<0.486	0.486	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
ADONA	<0.252	0.252	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFHxS	<0.486	0.486	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
Br-PFHxS	<0.486	0.486	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
Total PFHxS	<0.486	0.486	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-6:2 FTS	<0.518	0.518	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFOA	<0.270	0.270	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
Br-PFOA	<0.270	0.270	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
Total PFOA	<0.270	0.270	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFHpS	<0.516	0.516	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFNA	<0.372	0.372	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFOSA	<0.572	0.572	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFOS	<0.648	0.648	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
Br-PFOS	<0.648	0.648	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
Total PFOS	<0.648	0.648	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
9Cl-PF3ONS	<0.328	0.328	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFDA	<0.442	0.442	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-8:2FTS	<0.588	0.588	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFNS	<0.828	0.828	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-MeFOSAA	<0.404	0.404	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
Br-MeFOSAA	<0.404	0.404	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
Total MeFOSAA	<0.404	0.404	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-EtFOSAA	<0.380	0.380	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
Br-EtFOSAA	<0.380	0.380	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
Total EtFOSAA	<0.380	0.380	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFUnA	<0.506	0.506	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFDS	<0.242	0.242	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
11Cl-PF3OUdS	<0.532	0.532	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFDoA	<0.456	0.456	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-MeFOSA	<1.34	1.34	1.50		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1

Sample ID: ASB-6 (2-3)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-03	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 13:15	Date Received:	24-Mar-22 09:37		
				% Solids:	91.7		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.406	0.406	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
PFDoS	<0.422	0.422	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-PFTeDA	<0.428	0.428	0.500		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-EtFOSA	<0.776	0.776	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-EtFOSE	<0.736	0.736	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
L-MeFOSE	<0.620	0.620	1.00		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.3	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C3-PFPeA	IS	86.3	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C3-PFBS	IS	86.3	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C3-HFPO-DA	IS	89.6	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C2-4:2 FTS	IS	86.5	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C2-PFHxA	IS	84.9	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C4-PFHpA	IS	89.7	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C3-PFHxS	IS	85.7	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C2-6:2 FTS	IS	79.3	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C5-PFNA	IS	67.1	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C8-PFOA	IS	63.3	10 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C2-PFOA	IS	96.7	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C8-PFOS	IS	89.9	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C2-PFDA	IS	93.0	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C2-8:2 FTS	IS	84.6	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
d3-MeFOSAA	IS	88.9	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C2-PFUnA	IS	108	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
d5-EtFOSAA	IS	92.9	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C2-PFDoA	IS	99.5	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
d3-MeFOA	IS	26.9	10 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
13C2-PFTeDA	IS	85.3	25 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
d5-EtFOA	IS	26.8	10 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
d7-MeFOSE	IS	45.5	10 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	1
d9-EtFOSE	IS	51.9	10 - 150		B22C282	07-Apr-22	1.09 g	12-Apr-22 00:46	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: ASB-6 (3-4)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-04	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 13:20	Date Received:	24-Mar-22 09:37		
				% Solids:	72.0		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.450	0.450	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFPeA	<0.360	0.360	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFBS	<0.299	0.299	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-4:2 FTS	<0.630	0.630	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFHxA	<0.313	0.313	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFPeS	<0.293	0.293	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
HFPO-DA	<0.849	0.849	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFHpA	<0.475	0.475	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
ADONA	<0.247	0.247	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFHxS	<0.475	0.475	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
Br-PFHxS	<0.475	0.475	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
Total PFHxS	<0.475	0.475	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-6:2 FTS	<0.507	0.507	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFOA	<0.264	0.264	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
Br-PFOA	<0.264	0.264	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
Total PFOA	<0.264	0.264	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFHpS	<0.505	0.505	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFNA	<0.364	0.364	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFOSA	<0.560	0.560	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFOS	<0.634	0.634	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
Br-PFOS	<0.634	0.634	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
Total PFOS	<0.634	0.634	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
9Cl-PF3ONS	<0.321	0.321	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFDA	<0.432	0.432	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-8:2FTS	<0.575	0.575	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFNS	<0.810	0.810	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-MeFOSAA	<0.395	0.395	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
Br-MeFOSAA	<0.395	0.395	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
Total MeFOSAA	<0.395	0.395	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-EtFOSAA	<0.372	0.372	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
Br-EtFOSAA	<0.372	0.372	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
Total EtFOSAA	<0.372	0.372	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFUnA	<0.495	0.495	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFDS	<0.237	0.237	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
11Cl-PF3OUdS	<0.520	0.520	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFDoA	<0.446	0.446	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-MeFOSA	<1.31	1.31	1.47		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1

Sample ID: ASB-6 (3-4)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-04	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 13:20	Date Received:	24-Mar-22 09:37		
				% Solids:	72.0		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.397	0.397	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
PFDoS	<0.413	0.413	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-PFTeDA	<0.419	0.419	0.489		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-EtFOSA	<0.759	0.759	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-EtFOSE	<0.720	0.720	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
L-MeFOSE	<0.607	0.607	0.978		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	102	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C3-PFPeA	IS	93.3	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C3-PFBS	IS	90.9	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C3-HFPO-DA	IS	99.4	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C2-4:2 FTS	IS	89.7	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C2-PFHxA	IS	90.1	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C4-PFHpA	IS	92.6	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C3-PFHxS	IS	92.7	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C2-6:2 FTS	IS	103	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C5-PFNA	IS	90.3	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C8-PFOA	IS	73.0	10 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C2-PFOA	IS	101	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C8-PFOS	IS	103	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C2-PFDA	IS	93.9	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C2-8:2 FTS	IS	86.1	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
d3-MeFOSAA	IS	96.7	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C2-PFUnA	IS	118	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
d5-EtFOSAA	IS	100	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C2-PFDoA	IS	108	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
d3-MeFOA	IS	39.9	10 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
13C2-PFTeDA	IS	97.5	25 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
d5-EtFOA	IS	37.6	10 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
d7-MeFOSE	IS	50.2	10 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	1
d9-EtFOSE	IS	51.8	10 - 150		B22C282	07-Apr-22	1.42 g	12-Apr-22 00:56	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: ASB-7 (2-3)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-05	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 13:50	Date Received:	24-Mar-22 09:37		
				% Solids:	82.4		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.462	0.462	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFPeA	<0.369	0.369	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFBS	<0.307	0.307	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-4:2 FTS	<0.646	0.646	1.00		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFHxA	<0.321	0.321	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFPeS	<0.301	0.301	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
HFPO-DA	<0.871	0.871	1.00		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFHpA	<0.488	0.488	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
ADONA	<0.253	0.253	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFHxS	<0.488	0.488	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
Br-PFHxS	<0.488	0.488	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
Total PFHxS	<0.488	0.488	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-6:2 FTS	<0.520	0.520	1.00		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFOA	<0.271	0.271	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
Br-PFOA	<0.271	0.271	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
Total PFOA	<0.271	0.271	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFHpS	<0.518	0.518	1.00		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFNA	<0.373	0.373	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFOSA	<0.574	0.574	1.00		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFOS	1.39	0.650	1.00		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
Br-PFOS	0.947	0.650	1.00	J, Q	B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
Total PFOS	2.34	0.650	1.00		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
9Cl-PF3ONS	<0.329	0.329	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFDA	<0.443	0.443	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-8:2FTS	<0.590	0.590	1.00		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFNS	<0.831	0.831	1.00		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-MeFOSAA	<0.405	0.405	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
Br-MeFOSAA	<0.405	0.405	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
Total MeFOSAA	<0.405	0.405	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-EtFOSAA	<0.381	0.381	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
Br-EtFOSAA	<0.381	0.381	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
Total EtFOSAA	<0.381	0.381	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFUnA	<0.508	0.508	1.00		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFDS	<0.243	0.243	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
11Cl-PF3OUdS	<0.534	0.534	1.00		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFDoA	<0.458	0.458	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-MeFOSA	<1.34	1.34	1.51		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1

Sample ID: ASB-7 (2-3)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-05	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 13:50	Date Received:	24-Mar-22 09:37		
				% Solids:	82.4		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.407	0.407	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
PFDoS	<0.423	0.423	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-PFTeDA	<0.429	0.429	0.502		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-EtFOSA	<0.779	0.779	1.00		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-EtFOSE	<0.738	0.738	1.00		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
L-MeFOSE	<0.622	0.622	1.00		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.6	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C3-PFPeA	IS	91.9	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C3-PFBS	IS	83.7	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C3-HFPO-DA	IS	70.1	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C2-4:2 FTS	IS	99.7	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C2-PFHxA	IS	86.3	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C4-PFHpA	IS	89.3	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C3-PFHxS	IS	88.7	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C2-6:2 FTS	IS	102	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C5-PFNA	IS	95.5	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C8-PFOA	IS	66.1	10 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C2-PFOA	IS	96.5	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C8-PFOS	IS	101	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C2-PFDA	IS	96.4	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C2-8:2 FTS	IS	92.5	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
d3-MeFOSAA	IS	92.9	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C2-PFUnA	IS	104	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
d5-EtFOSAA	IS	91.2	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C2-PFDoA	IS	89.5	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
d3-MeFOA	IS	50.7	10 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
13C2-PFTeDA	IS	94.0	25 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
d5-EtFOA	IS	54.8	10 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
d7-MeFOSE	IS	48.6	10 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	1
d9-EtFOSE	IS	57.9	10 - 150		B22C282	07-Apr-22	1.21 g	12-Apr-22 01:38	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: ASB-7 (5-6)
PFAS Isotope Dilution Method

Client Data				Laboratory Data					
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-06	Column:	BEH C18		
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 13:55	Date Received:	24-Mar-22 09:37				
				% Solids:	83.4				
Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.449	0.449	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFPeA	<0.359	0.359	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFBS	<0.298	0.298	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-4:2 FTS	<0.628	0.628	0.975		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFHxA	<0.312	0.312	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFPeS	<0.293	0.293	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
HFPO-DA	<0.847	0.847	0.975		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFHpA	<0.474	0.474	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
ADONA	<0.246	0.246	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFHxS	<0.474	0.474	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
Br-PFHxS	<0.474	0.474	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
Total PFHxS	<0.474	0.474	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-6:2 FTS	<0.505	0.505	0.975		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFOA	<0.263	0.263	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
Br-PFOA	<0.263	0.263	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
Total PFOA	<0.263	0.263	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFHpS	<0.503	0.503	0.975		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFNA	<0.363	0.363	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFOSA	0.794	0.558	0.975	J	B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFOS	1.79	0.632	0.975		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
Br-PFOS	0.780	0.632	0.975	J	B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
Total PFOS	2.57	0.632	0.975		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
9Cl-PF3ONS	<0.320	0.320	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFDA	<0.431	0.431	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-8:2FTS	<0.574	0.574	0.975		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFNS	<0.808	0.808	0.975		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-MeFOSAA	<0.394	0.394	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
Br-MeFOSAA	<0.394	0.394	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
Total MeFOSAA	<0.394	0.394	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-EtFOSAA	<0.371	0.371	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
Br-EtFOSAA	<0.371	0.371	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
Total EtFOSAA	<0.371	0.371	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFUnA	<0.494	0.494	0.975		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFDS	<0.236	0.236	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
11Cl-PF3OUdS	<0.519	0.519	0.975		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFDoA	<0.445	0.445	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-MeFOSA	<1.31	1.31	1.46		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1

Sample ID: ASB-7 (5-6)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-06	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 13:55	Date Received:	24-Mar-22 09:37		
				% Solids:	83.4		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.396	0.396	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
PFDoS	<0.412	0.412	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-PFTeDA	<0.417	0.417	0.488		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-EtFOSA	<0.757	0.757	0.975		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-EtFOSE	<0.718	0.718	0.975		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
L-MeFOSE	<0.605	0.605	0.975		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.5	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C3-PFPeA	IS	88.7	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C3-PFBS	IS	83.2	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C3-HFPO-DA	IS	85.6	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C2-4:2 FTS	IS	89.1	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C2-PFHxA	IS	86.7	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C4-PFHpA	IS	89.0	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C3-PFHxS	IS	89.2	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C2-6:2 FTS	IS	107	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C5-PFNA	IS	80.0	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C8-PFOA	IS	68.8	10 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C2-PFOA	IS	88.5	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C8-PFOS	IS	93.2	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C2-PFDA	IS	96.1	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C2-8:2 FTS	IS	91.8	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
d3-MeFOSAA	IS	85.2	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C2-PFUnA	IS	114	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
d5-EtFOSAA	IS	80.9	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C2-PFDoA	IS	98.2	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
d3-MeFOA	IS	38.0	10 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
13C2-PFTeDA	IS	96.3	25 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
d5-EtFOA	IS	47.5	10 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
d7-MeFOSE	IS	51.9	10 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	1
d9-EtFOSE	IS	62.0	10 - 150		B22C282	07-Apr-22	1.23 g	12-Apr-22 01:48	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: ASB-8 (3-4)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-07	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 14:30	Date Received:	24-Mar-22 09:37		
				% Solids:	82.5		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.450	0.450	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFPeA	<0.360	0.360	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFBS	<0.299	0.299	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-4:2 FTS	<0.630	0.630	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFHxA	<0.313	0.313	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFPeS	<0.293	0.293	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
HFPO-DA	<0.849	0.849	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFHpA	<0.475	0.475	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
ADONA	<0.246	0.246	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFHxS	<0.475	0.475	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
Br-PFHxS	<0.475	0.475	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
Total PFHxS	<0.475	0.475	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-6:2 FTS	<0.506	0.506	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFOA	<0.264	0.264	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
Br-PFOA	<0.264	0.264	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
Total PFOA	<0.264	0.264	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFHpS	<0.504	0.504	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFNA	<0.364	0.364	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFOSA	<0.559	0.559	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFOS	<0.633	0.633	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
Br-PFOS	<0.633	0.633	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
Total PFOS	<0.633	0.633	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
9Cl-PF3ONS	<0.321	0.321	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFDA	<0.432	0.432	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-8:2FTS	<0.575	0.575	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFNS	<0.809	0.809	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-MeFOSAA	<0.395	0.395	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
Br-MeFOSAA	<0.395	0.395	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
Total MeFOSAA	<0.395	0.395	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-EtFOSAA	<0.371	0.371	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
Br-EtFOSAA	<0.371	0.371	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
Total EtFOSAA	<0.371	0.371	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFUnA	<0.495	0.495	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFDS	<0.237	0.237	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
11Cl-PF3OUdS	<0.520	0.520	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFDoA	<0.446	0.446	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-MeFOSA	<1.31	1.31	1.47		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1

Sample ID: ASB-8 (3-4)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-07	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 14:30	Date Received:	24-Mar-22 09:37		
				% Solids:	82.5		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.397	0.397	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
PFDoS	<0.413	0.413	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-PFTeDA	<0.418	0.418	0.489		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-EtFOSA	<0.759	0.759	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-EtFOSE	<0.720	0.720	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
L-MeFOSE	<0.606	0.606	0.978		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	98.0	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C3-PFPeA	IS	93.2	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C3-PFBS	IS	89.1	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C3-HFPO-DA	IS	82.8	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C2-4:2 FTS	IS	103	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C2-PFHxA	IS	89.2	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C4-PFHpA	IS	95.9	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C3-PFHxS	IS	94.8	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C2-6:2 FTS	IS	108	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C5-PFNA	IS	90.8	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C8-PFOA	IS	66.6	10 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C2-PFOA	IS	96.8	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C8-PFOS	IS	96.9	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C2-PFDA	IS	93.1	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C2-8:2 FTS	IS	100	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
d3-MeFOSAA	IS	84.0	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C2-PFUnA	IS	113	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
d5-EtFOSAA	IS	94.4	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C2-PFDoA	IS	109	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
d3-MeFOA	IS	28.1	10 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
13C2-PFTeDA	IS	77.1	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
d5-EtFOA	IS	26.3	10 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
d7-MeFOSE	IS	53.7	10 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	1
d9-EtFOSE	IS	48.8	10 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 01:58	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: ASB-8 (6-7)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-08	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 14:35	Date Received:	24-Mar-22 09:37		
				% Solids:	80.2		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.451	0.451	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFPeA	<0.361	0.361	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFBS	<0.300	0.300	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-4:2 FTS	<0.632	0.632	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFHxA	<0.314	0.314	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFPeS	<0.294	0.294	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
HFPO-DA	<0.852	0.852	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFHpA	<0.477	0.477	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
ADONA	<0.247	0.247	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFHxS	<0.477	0.477	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
Br-PFHxS	<0.477	0.477	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
Total PFHxS	<0.477	0.477	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-6:2 FTS	<0.508	0.508	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFOA	<0.265	0.265	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
Br-PFOA	<0.265	0.265	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
Total PFOA	<0.265	0.265	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFHpS	<0.506	0.506	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFNA	<0.365	0.365	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFOSA	<0.561	0.561	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFOS	<0.636	0.636	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
Br-PFOS	<0.636	0.636	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
Total PFOS	<0.636	0.636	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
9Cl-PF3ONS	<0.322	0.322	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFDA	<0.434	0.434	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-8:2FTS	<0.577	0.577	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFNS	<0.813	0.813	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-MeFOSAA	<0.397	0.397	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
Br-MeFOSAA	<0.397	0.397	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
Total MeFOSAA	<0.397	0.397	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-EtFOSAA	<0.373	0.373	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
Br-EtFOSAA	<0.373	0.373	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
Total EtFOSAA	<0.373	0.373	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFUnA	<0.497	0.497	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFDS	<0.238	0.238	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
11Cl-PF3OUdS	<0.522	0.522	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFDoA	<0.448	0.448	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-MeFOSA	<1.31	1.31	1.47		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1

Sample ID: ASB-8 (6-7)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-08	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 14:35	Date Received:	24-Mar-22 09:37		
				% Solids:	80.2		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.398	0.398	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
PFDoS	<0.414	0.414	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-PFTeDA	<0.420	0.420	0.491		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-EtFOSA	<0.762	0.762	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-EtFOSE	<0.722	0.722	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
L-MeFOSE	<0.609	0.609	0.981		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	109	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C3-PFPeA	IS	99.3	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C3-PFBS	IS	92.5	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C3-HFPO-DA	IS	88.8	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C2-4:2 FTS	IS	108	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C2-PFHxA	IS	96.4	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C4-PFHpA	IS	104	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C3-PFHxS	IS	101	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C2-6:2 FTS	IS	126	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C5-PFNA	IS	90.3	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C8-PFOA	IS	83.5	10 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C2-PFOA	IS	110	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C8-PFOS	IS	101	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C2-PFDA	IS	95.8	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C2-8:2 FTS	IS	113	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
d3-MeFOSAA	IS	89.3	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C2-PFUnA	IS	133	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
d5-EtFOSAA	IS	101	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C2-PFDoA	IS	104	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
d3-MeFOA	IS	32.4	10 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
13C2-PFTeDA	IS	96.4	25 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
d5-EtFOA	IS	30.8	10 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
d7-MeFOSE	IS	55.9	10 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	1
d9-EtFOSE	IS	57.8	10 - 150		B22C282	07-Apr-22	1.27 g	12-Apr-22 02:09	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: DUP-2
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-09	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 14:35	Date Received:	24-Mar-22 09:37		
				% Solids:	90.8		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.448	0.448	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFPeA	<0.359	0.359	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFBS	<0.298	0.298	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-4:2 FTS	<0.628	0.628	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFHxA	<0.312	0.312	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFPeS	<0.292	0.292	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
HFPO-DA	<0.846	0.846	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFHpA	<0.474	0.474	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
ADONA	<0.246	0.246	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFHxS	<0.474	0.474	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
Br-PFHxS	<0.474	0.474	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
Total PFHxS	<0.474	0.474	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-6:2 FTS	<0.505	0.505	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFOA	<0.263	0.263	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
Br-PFOA	<0.263	0.263	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
Total PFOA	<0.263	0.263	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFHpS	<0.503	0.503	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFNA	<0.363	0.363	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFOSA	<0.558	0.558	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFOS	<0.632	0.632	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
Br-PFOS	<0.632	0.632	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
Total PFOS	<0.632	0.632	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
9Cl-PF3ONS	<0.320	0.320	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFDA	<0.431	0.431	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-8:2FTS	<0.573	0.573	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFNS	<0.807	0.807	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-MeFOSAA	<0.394	0.394	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
Br-MeFOSAA	<0.394	0.394	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
Total MeFOSAA	<0.394	0.394	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-EtFOSAA	<0.370	0.370	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
Br-EtFOSAA	<0.370	0.370	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
Total EtFOSAA	<0.370	0.370	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFUnA	<0.493	0.493	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFDS	<0.236	0.236	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
11Cl-PF3OUdS	<0.519	0.519	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFDoA	<0.445	0.445	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-MeFOSA	<1.30	1.30	1.46		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1

Sample ID: DUP-2
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-09	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 14:35	Date Received:	24-Mar-22 09:37		
				% Solids:	90.8		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.396	0.396	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
PFDoS	<0.411	0.411	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-PFTeDA	<0.417	0.417	0.487		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-EtFOSA	<0.756	0.756	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-EtFOSE	<0.717	0.717	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
L-MeFOSE	<0.604	0.604	0.975		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	107	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C3-PFPeA	IS	98.4	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C3-PFBS	IS	95.7	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C3-HFPO-DA	IS	99.0	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C2-4:2 FTS	IS	104	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C2-PFHxA	IS	97.9	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C4-PFHpA	IS	103	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C3-PFHxS	IS	110	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C2-6:2 FTS	IS	99.0	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C5-PFNA	IS	95.7	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C8-PFOA	IS	81.3	10 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C2-PFOA	IS	101	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C8-PFOS	IS	109	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C2-PFDA	IS	113	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C2-8:2 FTS	IS	106	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
d3-MeFOSAA	IS	96.7	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C2-PFUnA	IS	112	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
d5-EtFOSAA	IS	107	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C2-PFDoA	IS	107	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
d3-MeFOA	IS	28.9	10 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
13C2-PFTeDA	IS	104	25 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
d5-EtFOA	IS	26.6	10 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
d7-MeFOSE	IS	52.9	10 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	1
d9-EtFOSE	IS	50.3	10 - 150		B22C282	07-Apr-22	1.13 g	12-Apr-22 02:19	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: ASB-1 (5-6)
PFAS Isotope Dilution Method

Client Data				Laboratory Data					
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-12	Column:	BEH C18		
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 09:55	Date Received:	24-Mar-22 09:37				
				% Solids:	82.3				
Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.451	0.451	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFPeA	<0.361	0.361	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFBS	<0.300	0.300	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-4:2 FTS	<0.631	0.631	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFHxA	<0.314	0.314	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFPeS	<0.294	0.294	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
HFPO-DA	<0.851	0.851	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFHpA	<0.476	0.476	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
ADONA	<0.247	0.247	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFHxS	<0.476	0.476	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
Br-PFHxS	<0.476	0.476	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
Total PFHxS	<0.476	0.476	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-6:2 FTS	<0.508	0.508	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFOA	<0.265	0.265	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
Br-PFOA	<0.265	0.265	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
Total PFOA	<0.265	0.265	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFHpS	<0.506	0.506	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFNA	<0.365	0.365	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFOSA	<0.561	0.561	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFOS	<0.635	0.635	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
Br-PFOS	<0.635	0.635	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
Total PFOS	<0.635	0.635	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
9Cl-PF3ONS	<0.321	0.321	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFDA	<0.433	0.433	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-8:2FTS	<0.576	0.576	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFNS	<0.811	0.811	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-MeFOSAA	<0.396	0.396	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
Br-MeFOSAA	<0.396	0.396	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
Total MeFOSAA	<0.396	0.396	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-EtFOSAA	<0.372	0.372	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
Br-EtFOSAA	<0.372	0.372	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
Total EtFOSAA	<0.372	0.372	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFUnA	<0.496	0.496	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFDS	<0.237	0.237	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
11Cl-PF3OUdS	<0.521	0.521	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFDoA	<0.447	0.447	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-MeFOSA	<1.31	1.31	1.47		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1

Sample ID: ASB-1 (5-6)

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-12	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 09:55	Date Received:	24-Mar-22 09:37		
				% Solids:	82.3		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.398	0.398	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
PFDoS	<0.414	0.414	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-PFTeDA	<0.419	0.419	0.490		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-EtFOSA	<0.760	0.760	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-EtFOSE	<0.721	0.721	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
L-MeFOSE	<0.608	0.608	0.980		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	103	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C3-PFPeA	IS	96.2	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C3-PFBS	IS	85.5	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C3-HFPO-DA	IS	84.5	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C2-4:2 FTS	IS	103	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C2-PFHxA	IS	93.9	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C4-PFHpA	IS	99.3	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C3-PFHxS	IS	98.7	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C2-6:2 FTS	IS	102	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C5-PFNA	IS	94.9	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C8-PFOA	IS	70.7	10 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C2-PFOA	IS	101	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C8-PFOS	IS	103	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C2-PFDA	IS	92.6	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C2-8:2 FTS	IS	98.4	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
d3-MeFOSAA	IS	81.8	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C2-PFUnA	IS	115	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
d5-EtFOSAA	IS	92.5	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C2-PFDoA	IS	106	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
d3-MeFOA	IS	34.6	10 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
13C2-PFTeDA	IS	104	25 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
d5-EtFOA	IS	31.7	10 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
d7-MeFOSE	IS	45.6	10 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	1
d9-EtFOSE	IS	48.3	10 - 150		B22C282	07-Apr-22	1.24 g	12-Apr-22 02:30	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: ASB-1 (7-8)
PFAS Isotope Dilution Method

Client Data				Laboratory Data					
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-13	Column:	BEH C18		
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 09:57	Date Received:	24-Mar-22 09:37				
				% Solids:	77.1				
Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.442	0.442	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFPeA	<0.354	0.354	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFBS	<0.294	0.294	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-4:2 FTS	<0.619	0.619	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFHxA	<0.307	0.307	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFPeS	<0.288	0.288	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
HFPO-DA	<0.834	0.834	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFHpA	<0.467	0.467	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
ADONA	<0.242	0.242	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFHxS	<0.467	0.467	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
Br-PFHxS	<0.467	0.467	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
Total PFHxS	<0.467	0.467	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-6:2 FTS	<0.498	0.498	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFOA	<0.259	0.259	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
Br-PFOA	<0.259	0.259	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
Total PFOA	<0.259	0.259	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFHpS	<0.496	0.496	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFNA	<0.357	0.357	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFOSA	<0.550	0.550	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFOS	<0.623	0.623	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
Br-PFOS	<0.623	0.623	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
Total PFOS	<0.623	0.623	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
9Cl-PF3ONS	<0.315	0.315	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFDA	<0.425	0.425	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-8:2FTS	<0.565	0.565	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFNS	<0.795	0.795	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-MeFOSAA	<0.388	0.388	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
Br-MeFOSAA	<0.388	0.388	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
Total MeFOSAA	<0.388	0.388	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-EtFOSAA	<0.365	0.365	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
Br-EtFOSAA	<0.365	0.365	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
Total EtFOSAA	<0.365	0.365	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFUnA	<0.486	0.486	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFDS	<0.232	0.232	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
11Cl-PF3OUdS	<0.511	0.511	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFDoA	<0.438	0.438	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-MeFOSA	<1.29	1.29	1.44		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1

Sample ID: ASB-1 (7-8)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-13	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 09:57	Date Received:	24-Mar-22 09:37		
				% Solids:	77.1		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.390	0.390	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
PFDoS	<0.405	0.405	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-PFTeDA	<0.411	0.411	0.480		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-EtFOSA	<0.745	0.745	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-EtFOSE	<0.707	0.707	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
L-MeFOSE	<0.596	0.596	0.961		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	103	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C3-PFPeA	IS	96.1	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C3-PFBS	IS	82.6	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C3-HFPO-DA	IS	92.1	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C2-4:2 FTS	IS	96.3	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C2-PFHxA	IS	89.7	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C4-PFHpA	IS	97.2	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C3-PFHxS	IS	96.8	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C2-6:2 FTS	IS	126	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C5-PFNA	IS	89.6	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C8-PFOA	IS	57.4	10 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C2-PFOA	IS	96.5	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C8-PFOS	IS	97.3	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C2-PFDA	IS	89.9	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C2-8:2 FTS	IS	90.6	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
d3-MeFOSAA	IS	88.4	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C2-PFUnA	IS	110	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
d5-EtFOSAA	IS	90.3	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C2-PFDoA	IS	106	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
d3-MeFOA	IS	18.8	10 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
13C2-PFTeDA	IS	92.8	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
d5-EtFOA	IS	17.4	10 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
d7-MeFOSE	IS	37.2	10 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	1
d9-EtFOSE	IS	42.2	10 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:40	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: ASB-2 (1-2)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-14	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 10:45	Date Received:	24-Mar-22 09:37		
				% Solids:	75.0		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.454	0.454	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFPeA	<0.363	0.363	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFBS	<0.302	0.302	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-4:2 FTS	<0.636	0.636	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFHxA	<0.316	0.316	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFPeS	<0.296	0.296	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
HFPO-DA	<0.857	0.857	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFHpA	<0.480	0.480	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
ADONA	<0.249	0.249	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFHxS	<0.480	0.480	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
Br-PFHxS	<0.480	0.480	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
Total PFHxS	<0.480	0.480	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-6:2 FTS	<0.512	0.512	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFOA	<0.267	0.267	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
Br-PFOA	<0.267	0.267	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
Total PFOA	<0.267	0.267	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFHpS	<0.510	0.510	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFNA	<0.367	0.367	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFOSA	<0.565	0.565	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFOS	<0.640	0.640	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
Br-PFOS	<0.640	0.640	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
Total PFOS	<0.640	0.640	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
9Cl-PF3ONS	<0.324	0.324	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFDA	<0.437	0.437	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-8:2FTS	<0.581	0.581	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFNS	<0.818	0.818	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-MeFOSAA	<0.399	0.399	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
Br-MeFOSAA	<0.399	0.399	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
Total MeFOSAA	<0.399	0.399	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-EtFOSAA	<0.375	0.375	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
Br-EtFOSAA	<0.375	0.375	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
Total EtFOSAA	<0.375	0.375	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFUnA	<0.500	0.500	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFDS	<0.239	0.239	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
11Cl-PF3OUdS	<0.525	0.525	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFDoA	<0.450	0.450	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-MeFOSA	<1.32	1.32	1.48		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1

Sample ID: ASB-2 (1-2)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-14	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 10:45	Date Received:	24-Mar-22 09:37		
				% Solids:	75.0		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.401	0.401	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
PFDoS	<0.417	0.417	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-PFTeDA	<0.423	0.423	0.494		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-EtFOSA	<0.766	0.766	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-EtFOSE	<0.727	0.727	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
L-MeFOSE	<0.612	0.612	0.988		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.7	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C3-PFPeA	IS	85.6	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C3-PFBS	IS	86.9	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C3-HFPO-DA	IS	76.6	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C2-4:2 FTS	IS	98.9	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C2-PFHxA	IS	85.5	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C4-PFHpA	IS	83.8	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C3-PFHxS	IS	91.3	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C2-6:2 FTS	IS	104	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C5-PFNA	IS	78.7	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C8-PFOA	IS	67.3	10 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C2-PFOA	IS	90.8	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C8-PFOS	IS	90.8	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C2-PFDA	IS	83.2	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C2-8:2 FTS	IS	103	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
d3-MeFOSAA	IS	98.0	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C2-PFUnA	IS	103	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
d5-EtFOSAA	IS	90.5	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C2-PFDoA	IS	98.3	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
d3-MeFOSA	IS	42.6	10 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
13C2-PFTeDA	IS	71.8	25 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
d5-EtFOSA	IS	41.1	10 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
d7-MeFOSE	IS	50.4	10 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	1
d9-EtFOSE	IS	53.0	10 - 150		B22C282	07-Apr-22	1.35 g	12-Apr-22 02:50	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: ASB-2 (7-8)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-15	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 10:50	Date Received:	24-Mar-22 09:37		
				% Solids:	81.6		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.451	0.451	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFPeA	<0.361	0.361	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFBS	<0.300	0.300	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-4:2 FTS	<0.632	0.632	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFHxA	<0.314	0.314	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFPeS	<0.294	0.294	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
HFPO-DA	<0.851	0.851	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFHpA	<0.477	0.477	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
ADONA	<0.247	0.247	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFHxS	<0.477	0.477	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
Br-PFHxS	<0.477	0.477	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
Total PFHxS	<0.477	0.477	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-6:2 FTS	<0.508	0.508	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFOA	<0.265	0.265	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
Br-PFOA	<0.265	0.265	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
Total PFOA	<0.265	0.265	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFHpS	<0.506	0.506	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFNA	<0.365	0.365	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFOSA	<0.561	0.561	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFOS	<0.635	0.635	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
Br-PFOS	<0.635	0.635	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
Total PFOS	<0.635	0.635	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
9Cl-PF3ONS	<0.322	0.322	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFDA	<0.433	0.433	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-8:2FTS	<0.577	0.577	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFNS	<0.812	0.812	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-MeFOSAA	<0.396	0.396	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
Br-MeFOSAA	<0.396	0.396	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
Total MeFOSAA	<0.396	0.396	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-EtFOSAA	<0.373	0.373	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
Br-EtFOSAA	<0.373	0.373	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
Total EtFOSAA	<0.373	0.373	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFUnA	<0.496	0.496	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFDS	<0.237	0.237	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
11Cl-PF3OUdS	<0.522	0.522	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFDoA	<0.447	0.447	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-MeFOSA	<1.31	1.31	1.47		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1

Sample ID: ASB-2 (7-8)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-15	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 10:50	Date Received:	24-Mar-22 09:37		
				% Solids:	81.6		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.398	0.398	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
PFDoS	<0.414	0.414	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-PFTeDA	<0.420	0.420	0.490		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-EtFOSA	<0.761	0.761	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-EtFOSE	<0.722	0.722	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
L-MeFOSE	<0.608	0.608	0.981		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	103	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C3-PFPeA	IS	97.2	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C3-PFBS	IS	93.4	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C3-HFPO-DA	IS	88.9	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C2-4:2 FTS	IS	97.4	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C2-PFHxA	IS	92.4	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C4-PFHpA	IS	98.7	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C3-PFHxS	IS	98.4	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C2-6:2 FTS	IS	113	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C5-PFNA	IS	91.7	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C8-PFOA	IS	70.4	10 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C2-PFOA	IS	99.3	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C8-PFOS	IS	96.7	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C2-PFDA	IS	97.3	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C2-8:2 FTS	IS	91.2	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
d3-MeFOSAA	IS	102	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C2-PFUnA	IS	125	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
d5-EtFOSAA	IS	106	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C2-PFDoA	IS	110	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
d3-MeFOA	IS	20.3	10 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
13C2-PFTeDA	IS	107	25 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
d5-EtFOA	IS	18.8	10 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
d7-MeFOSE	IS	39.0	10 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	1
d9-EtFOSE	IS	39.2	10 - 150		B22C282	07-Apr-22	1.25 g	12-Apr-22 03:01	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: ASB-3 (2-3)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-16	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 11:15	Date Received:	24-Mar-22 09:37		
				% Solids:	70.8		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.461	0.461	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFPeA	<0.369	0.369	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFBS	<0.307	0.307	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-4:2 FTS	<0.645	0.645	1.00		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFHxA	<0.321	0.321	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFPeS	<0.301	0.301	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
HFPO-DA	<0.870	0.870	1.00		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFHpA	<0.487	0.487	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
ADONA	<0.252	0.252	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFHxS	<0.487	0.487	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
Br-PFHxS	<0.487	0.487	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
Total PFHxS	<0.487	0.487	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-6:2 FTS	<0.519	0.519	1.00		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFOA	<0.271	0.271	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
Br-PFOA	<0.271	0.271	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
Total PFOA	<0.271	0.271	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFHpS	<0.517	0.517	1.00		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFNA	<0.373	0.373	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFOSA	<0.573	0.573	1.00		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFOS	0.807	0.649	1.00	J	B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
Br-PFOS	<0.649	0.649	1.00		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
Total PFOS	1.03	0.649	1.00		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
9Cl-PF3ONS	<0.329	0.329	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFDA	<0.443	0.443	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-8:2FTS	<0.589	0.589	1.00		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFNS	<0.830	0.830	1.00		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-MeFOSAA	<0.405	0.405	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
Br-MeFOSAA	<0.405	0.405	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
Total MeFOSAA	<0.405	0.405	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-EtFOSAA	<0.381	0.381	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
Br-EtFOSAA	<0.381	0.381	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
Total EtFOSAA	<0.381	0.381	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFUnA	<0.507	0.507	1.00		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFDS	<0.242	0.242	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
11Cl-PF3OUdS	<0.533	0.533	1.00		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFDoA	<0.457	0.457	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-MeFOSA	<1.34	1.34	1.50		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1

Sample ID: ASB-3 (2-3)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-16	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 11:15	Date Received:	24-Mar-22 09:37		
				% Solids:	70.8		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.407	0.407	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
PFDoS	<0.423	0.423	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-PFTeDA	<0.429	0.429	0.501		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-EtFOSA	<0.778	0.778	1.00		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-EtFOSE	<0.737	0.737	1.00		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
L-MeFOSE	<0.621	0.621	1.00		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	100	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C3-PFPeA	IS	91.7	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C3-PFBS	IS	88.6	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C3-HFPO-DA	IS	95.3	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C2-4:2 FTS	IS	97.4	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C2-PFHxA	IS	84.4	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C4-PFHpA	IS	94.1	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C3-PFHxS	IS	91.1	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C2-6:2 FTS	IS	112	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C5-PFNA	IS	76.7	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C8-PFOA	IS	69.6	10 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C2-PFOA	IS	97.0	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C8-PFOS	IS	96.7	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C2-PFDA	IS	95.3	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C2-8:2 FTS	IS	102	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
d3-MeFOSAA	IS	95.3	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C2-PFUnA	IS	88.3	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
d5-EtFOSAA	IS	96.1	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C2-PFDoA	IS	104	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
d3-MeFOA	IS	42.0	10 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
13C2-PFTeDA	IS	73.4	25 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
d5-EtFOA	IS	40.8	10 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
d7-MeFOSE	IS	55.0	10 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	1
d9-EtFOSE	IS	58.1	10 - 150		B22C282	07-Apr-22	1.41 g	12-Apr-22 03:11	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: DUP-1
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-17	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 11:15	Date Received:	24-Mar-22 09:37		
				% Solids:	71.5		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.460	0.460	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFPeA	<0.368	0.368	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFBS	<0.306	0.306	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-4:2 FTS	<0.644	0.644	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFHxA	<0.320	0.320	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFPeS	<0.300	0.300	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
HFPO-DA	<0.868	0.868	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFHpA	<0.486	0.486	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
ADONA	<0.252	0.252	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFHxS	<0.486	0.486	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
Br-PFHxS	<0.486	0.486	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
Total PFHxS	<0.486	0.486	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-6:2 FTS	<0.518	0.518	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFOA	<0.270	0.270	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
Br-PFOA	<0.270	0.270	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
Total PFOA	<0.270	0.270	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFHpS	<0.516	0.516	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFNA	<0.372	0.372	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFOSA	<0.572	0.572	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFOS	<0.648	0.648	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
Br-PFOS	<0.648	0.648	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
Total PFOS	<0.648	0.648	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
9Cl-PF3ONS	<0.328	0.328	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFDA	<0.442	0.442	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-8:2FTS	<0.588	0.588	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFNS	<0.828	0.828	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-MeFOSAA	<0.404	0.404	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
Br-MeFOSAA	<0.404	0.404	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
Total MeFOSAA	<0.404	0.404	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-EtFOSAA	<0.380	0.380	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
Br-EtFOSAA	<0.380	0.380	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
Total EtFOSAA	<0.380	0.380	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFUnA	<0.506	0.506	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFDS	<0.242	0.242	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
11Cl-PF3OUdS	<0.532	0.532	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFDoA	<0.456	0.456	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-MeFOSA	<1.34	1.34	1.50		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1

Sample ID: DUP-1
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-17	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 11:15	Date Received:	24-Mar-22 09:37		
				% Solids:	71.5		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.406	0.406	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
PFDoS	<0.422	0.422	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-PFTeDA	<0.428	0.428	0.500		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-EtFOSA	<0.776	0.776	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-EtFOSE	<0.736	0.736	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
L-MeFOSE	<0.620	0.620	1.00		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	105	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C3-PFPeA	IS	96.4	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C3-PFBS	IS	92.2	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C3-HFPO-DA	IS	74.2	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C2-4:2 FTS	IS	96.3	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C2-PFHxA	IS	87.1	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C4-PFHpA	IS	94.9	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C3-PFHxS	IS	93.0	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C2-6:2 FTS	IS	120	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C5-PFNA	IS	83.2	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C8-PFOA	IS	73.2	10 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C2-PFOA	IS	104	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C8-PFOS	IS	95.9	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C2-PFDA	IS	94.0	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C2-8:2 FTS	IS	107	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
d3-MeFOSAA	IS	97.9	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C2-PFUnA	IS	107	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
d5-EtFOSAA	IS	97.4	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C2-PFDoA	IS	99.0	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
d3-MeFOA	IS	34.1	10 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
13C2-PFTeDA	IS	95.3	25 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
d5-EtFOA	IS	31.8	10 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
d7-MeFOSE	IS	48.0	10 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	1
d9-EtFOSE	IS	53.5	10 - 150		B22C282	07-Apr-22	1.40 g	12-Apr-22 03:53	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: ASB-3 (6-7)
PFAS Isotope Dilution Method

Client Data				Laboratory Data					
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-18	Column:	BEH C18		
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 11:20	Date Received:	24-Mar-22 09:37	% Solids:	75.7		
Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.453	0.453	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFPeA	<0.363	0.363	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFBS	<0.302	0.302	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-4:2 FTS	<0.635	0.635	0.985		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFHxA	<0.315	0.315	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFPeS	<0.296	0.296	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
HFPO-DA	<0.855	0.855	0.985		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFHpA	<0.479	0.479	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
ADONA	<0.248	0.248	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFHxS	<0.479	0.479	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
Br-PFHxS	<0.479	0.479	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
Total PFHxS	<0.479	0.479	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-6:2 FTS	<0.510	0.510	0.985		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFOA	<0.266	0.266	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
Br-PFOA	<0.266	0.266	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
Total PFOA	<0.266	0.266	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFHpS	<0.508	0.508	0.985		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFNA	<0.367	0.367	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFOSA	<0.564	0.564	0.985		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFOS	<0.638	0.638	0.985		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
Br-PFOS	<0.638	0.638	0.985		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
Total PFOS	0.826	0.638	0.985	J	B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
9Cl-PF3ONS	<0.323	0.323	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFDA	<0.436	0.436	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-8:2FTS	<0.579	0.579	0.985		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFNS	<0.816	0.816	0.985		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-MeFOSAA	<0.398	0.398	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
Br-MeFOSAA	<0.398	0.398	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
Total MeFOSAA	<0.398	0.398	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-EtFOSAA	<0.374	0.374	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
Br-EtFOSAA	<0.374	0.374	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
Total EtFOSAA	<0.374	0.374	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFUnA	<0.499	0.499	0.985		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFDS	<0.238	0.238	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
11Cl-PF3OUdS	<0.524	0.524	0.985		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFDoA	<0.449	0.449	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-MeFOSA	<1.32	1.32	1.48		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1

Sample ID: ASB-3 (6-7)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-18	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 11:20	Date Received:	24-Mar-22 09:37		
				% Solids:	75.7		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.400	0.400	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
PFDoS	<0.416	0.416	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-PFTeDA	<0.422	0.422	0.493		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-EtFOSA	<0.765	0.765	0.985		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-EtFOSE	<0.725	0.725	0.985		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
L-MeFOSE	<0.611	0.611	0.985		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.4	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C3-PFPeA	IS	86.5	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C3-PFBS	IS	80.5	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C3-HFPO-DA	IS	77.3	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C2-4:2 FTS	IS	80.3	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C2-PFHxA	IS	83.2	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C4-PFHpA	IS	86.4	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C3-PFHxS	IS	87.9	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C2-6:2 FTS	IS	93.6	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C5-PFNA	IS	77.5	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C8-PFOA	IS	63.1	10 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C2-PFOA	IS	95.6	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C8-PFOS	IS	92.5	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C2-PFDA	IS	84.6	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C2-8:2 FTS	IS	78.5	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
d3-MeFOSAA	IS	79.6	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C2-PFUnA	IS	91.4	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
d5-EtFOSAA	IS	87.7	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C2-PFDoA	IS	95.9	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
d3-MeFOA	IS	30.8	10 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
13C2-PFTeDA	IS	84.0	25 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
d5-EtFOA	IS	29.3	10 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
d7-MeFOSE	IS	45.8	10 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	1
d9-EtFOSE	IS	48.5	10 - 150		B22C282	07-Apr-22	1.34 g	12-Apr-22 04:03	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: ASB-4 (4-5)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-19	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 11:55	Date Received:	24-Mar-22 09:37		
				% Solids:	88.9		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.450	0.450	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFPeA	<0.360	0.360	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFBS	<0.299	0.299	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-4:2 FTS	<0.630	0.630	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFHxA	<0.313	0.313	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFPeS	<0.293	0.293	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
HFPO-DA	<0.849	0.849	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFHpA	<0.475	0.475	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
ADONA	<0.246	0.246	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFHxS	<0.475	0.475	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
Br-PFHxS	<0.475	0.475	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
Total PFHxS	<0.475	0.475	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-6:2 FTS	<0.507	0.507	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFOA	<0.264	0.264	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
Br-PFOA	<0.264	0.264	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
Total PFOA	<0.264	0.264	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFHpS	<0.505	0.505	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFNA	<0.364	0.364	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFOSA	<0.559	0.559	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFOS	<0.634	0.634	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
Br-PFOS	<0.634	0.634	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
Total PFOS	<0.634	0.634	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
9Cl-PF3ONS	<0.321	0.321	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFDA	<0.432	0.432	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-8:2FTS	<0.575	0.575	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFNS	<0.810	0.810	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-MeFOSAA	<0.395	0.395	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
Br-MeFOSAA	<0.395	0.395	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
Total MeFOSAA	<0.395	0.395	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-EtFOSAA	<0.372	0.372	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
Br-EtFOSAA	<0.372	0.372	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
Total EtFOSAA	<0.372	0.372	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFUnA	<0.495	0.495	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFDS	<0.237	0.237	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
11Cl-PF3OUdS	<0.520	0.520	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFDoA	<0.446	0.446	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-MeFOSA	<1.31	1.31	1.47		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1

Sample ID: ASB-4 (4-5)
PFAS Isotope Dilution Method

Client Data				Laboratory Data						
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-19	Column:	BEH C18			
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 11:55	Date Received:	24-Mar-22 09:37					
				% Solids:	88.9					

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.397	0.397	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
PFDoS	<0.413	0.413	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-PFTeDA	<0.419	0.419	0.489		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-EtFOSA	<0.759	0.759	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-EtFOSE	<0.720	0.720	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
L-MeFOSE	<0.606	0.606	0.978		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	99.8	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C3-PFPeA	IS	91.7	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C3-PFBS	IS	77.0	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C3-HFPO-DA	IS	84.2	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C2-4:2 FTS	IS	94.4	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C2-PFHxA	IS	86.8	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C4-PFHpA	IS	92.7	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C3-PFHxS	IS	95.0	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C2-6:2 FTS	IS	110	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C5-PFNA	IS	87.5	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C8-PFOA	IS	63.4	10 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C2-PFOA	IS	102	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C8-PFOS	IS	89.4	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C2-PFDA	IS	83.2	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C2-8:2 FTS	IS	96.8	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
d3-MeFOSAA	IS	83.9	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C2-PFUnA	IS	116	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
d5-EtFOSAA	IS	90.6	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C2-PFDoA	IS	99.7	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
d3-MeFOA	IS	22.4	10 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
13C2-PFTeDA	IS	91.6	25 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
d5-EtFOA	IS	19.8	10 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
d7-MeFOSE	IS	39.0	10 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	1
d9-EtFOSE	IS	41.6	10 - 150		B22C282	07-Apr-22	1.15 g	12-Apr-22 04:13	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: ASB-4 (6-7)
PFAS Isotope Dilution Method

Client Data				Laboratory Data						
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-20	Column:	BEH C18			
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 12:00	Date Received:	24-Mar-22 09:37	% Solids:	80.2			
Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFBA	<0.448	0.448	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFPeA	<0.358	0.358	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFBS	<0.298	0.298	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-4:2 FTS	<0.627	0.627	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFHxA	<0.312	0.312	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFPeS	<0.292	0.292	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
HFPO-DA	<0.845	0.845	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFHpA	<0.473	0.473	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
ADONA	<0.245	0.245	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFHxS	<0.473	0.473	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
Br-PFHxS	<0.473	0.473	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
Total PFHxS	<0.473	0.473	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-6:2 FTS	<0.504	0.504	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFOA	<0.263	0.263	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
Br-PFOA	<0.263	0.263	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
Total PFOA	<0.263	0.263	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFHpS	<0.502	0.502	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFNA	<0.362	0.362	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFOSA	<0.557	0.557	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFOS	<0.631	0.631	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
Br-PFOS	<0.631	0.631	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
Total PFOS	<0.631	0.631	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
9Cl-PF3ONS	<0.319	0.319	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFDA	<0.430	0.430	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-8:2FTS	<0.572	0.572	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFNS	<0.806	0.806	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-MeFOSAA	<0.393	0.393	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
Br-MeFOSAA	<0.393	0.393	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
Total MeFOSAA	<0.393	0.393	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-EtFOSAA	<0.370	0.370	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
Br-EtFOSAA	<0.370	0.370	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
Total EtFOSAA	<0.370	0.370	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFUnA	<0.493	0.493	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFDS	<0.236	0.236	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
11Cl-PF3OUdS	<0.518	0.518	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-PFDoA	<0.444	0.444	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	
L-MeFOSA	<1.30	1.30	1.46		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1	

Sample ID: ASB-4 (6-7)
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Solid	Lab Sample:	2203194-20	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 12:00	Date Received:	24-Mar-22 09:37		
				% Solids:	80.2		

Analyte	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.395	0.395	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
PFDoS	<0.411	0.411	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
L-PFTeDA	<0.417	0.417	0.487		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
L-EtFOSA	<0.756	0.756	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
L-EtFOSE	<0.717	0.717	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
L-MeFOSE	<0.604	0.604	0.974		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	104	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C3-PFPeA	IS	96.9	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C3-PFBS	IS	84.3	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C3-HFPO-DA	IS	101	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C2-4:2 FTS	IS	105	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C2-PFHxA	IS	91.8	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C4-PFHpA	IS	94.8	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C3-PFHxS	IS	91.6	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C2-6:2 FTS	IS	108	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C5-PFNA	IS	86.2	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C8-PFOA	IS	73.0	10 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C2-PFOA	IS	107	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C8-PFOS	IS	92.2	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C2-PFDA	IS	92.6	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C2-8:2 FTS	IS	85.3	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
d3-MeFOSAA	IS	87.2	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C2-PFUnA	IS	119	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
d5-EtFOSAA	IS	88.9	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C2-PFDoA	IS	98.2	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
d3-MeFOA	IS	29.1	10 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
13C2-PFTeDA	IS	94.6	25 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
d5-EtFOA	IS	27.2	10 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
d7-MeFOSE	IS	46.5	10 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	1
d9-EtFOSE	IS	44.8	10 - 150		B22C282	07-Apr-22	1.28 g	12-Apr-22 04:24	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: Method Blank
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	B22C230-BLK1	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant						

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<1.01	1.01	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFPeA	<0.755	0.755	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFBS	<0.905	0.905	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-4:2 FTS	<0.950	0.950	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFHxA	<0.815	0.815	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFPeS	<0.820	0.820	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
HFPO-DA	<1.57	1.57	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFHpA	<0.935	0.935	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
ADONA	<0.640	0.640	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFHxS	<1.03	1.03	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
Br-PFHxS	<1.03	1.03	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
Total PFHxS	<1.03	1.03	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-6:2 FTS	<1.13	1.13	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFOA	<0.955	0.955	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
Br-PFOA	<0.955	0.955	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
Total PFOA	<0.955	0.955	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFHpS	<0.595	0.595	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFNA	<0.755	0.755	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFOSA	<1.09	1.09	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFOS	<1.13	1.13	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
Br-PFOS	<1.13	1.13	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
Total PFOS	<1.13	1.13	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
9Cl-PF3ONS	<1.07	1.07	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFDA	<0.945	0.945	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-8:2FTS	<1.14	1.14	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFNS	<1.16	1.16	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-MeFOSAA	<0.950	0.950	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
Br-MeFOSAA	<0.950	0.950	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
Total MeFOSAA	<0.950	0.950	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-EtFOSAA	<1.04	1.04	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
Br-EtFOSAA	<1.04	1.04	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
Total EtFOSAA	<1.04	1.04	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFUnA	<0.755	0.755	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFDS	<0.760	0.760	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
11Cl-PF3OUdS	<0.990	0.990	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFDoA	<0.975	0.975	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-MeFOSA	<2.24	2.24	2.50		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFTrDA	<0.655	0.655	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1

Sample ID: Method Blank
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	B22C230-BLK1	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant						

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFDoS	<1.42	1.42	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-PFTeDA	<0.815	0.815	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-EtFOSA	<2.33	2.33	2.50		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-EtFOSE	<1.57	1.57	2.00		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
L-MeFOSE	<2.00	2.00	2.50		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	61.1	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C3-PFPeA	IS	74.3	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C3-PFBS	IS	71.2	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C3-HFPO-DA	IS	74.0	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C2-4:2 FTS	IS	81.8	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C2-PFHxA	IS	74.6	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C4-PFHpA	IS	81.2	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C3-PFHxS	IS	72.2	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C2-6:2 FTS	IS	75.9	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C5-PFNA	IS	76.6	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C8-PFOA	IS	36.8	10 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C2-PFOA	IS	77.6	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C8-PFOS	IS	71.9	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C2-PFDA	IS	70.7	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C2-8:2 FTS	IS	84.9	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
d3-MeFOSAA	IS	59.6	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C2-PFUnA	IS	63.2	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
d5-EtFOSAA	IS	60.1	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C2-PFDoA	IS	64.6	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
d3-MeFOSA	IS	24.9	10 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
13C2-PFTeDA	IS	58.7	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
d5-EtFOA	IS	22.7	10 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
d7-MeFOSE	IS	42.8	10 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1
d9-EtFOSE	IS	43.8	10 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:18	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	B22C230-BS1	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant						

Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	4.02	4.00	101	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFPeA	3.81	4.00	95.1	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFBS	3.72	4.00	93.0	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-4:2 FTS	3.94	4.00	98.5	50 - 150	Q	B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFHxA	4.35	4.00	109	50 - 150	Q	B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFPeS	3.68	4.00	92.0	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
HFPO-DA	5.41	4.00	135	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFHpA	3.86	4.00	96.4	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
ADONA	3.19	4.00	79.7	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
Total PFHxS	4.05	4.00	101	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-6:2 FTS	3.44	4.00	85.9	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
Total PFOA	3.99	4.00	99.8	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFHpS	4.10	4.00	102	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFNA	3.70	4.00	92.4	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFOSA	3.34	4.00	83.6	50 - 150	Q	B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
Total PFOS	3.63	4.00	90.6	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
9Cl-PF3ONS	3.94	4.00	98.6	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFDA	3.86	4.00	96.4	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-8:2FTS	3.92	4.00	98.0	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFNS	3.81	4.00	95.1	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
Total MeFOSAA	4.40	4.00	110	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
Total EtFOSAA	3.87	4.00	96.8	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFUnA	3.60	4.00	90.0	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFDS	3.89	4.00	97.1	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
11Cl-PF3OUdS	4.10	4.00	103	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFDoA	3.84	4.00	95.9	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-MeFOSA	2.82	4.00	70.6	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFTrDA	4.04	4.00	101	50 - 150	Q	B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
PFDoS	4.58	4.00	115	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-PFTeDA	4.15	4.00	104	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-EtFOSA	3.53	4.00	88.1	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	B22C230-BS1	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant						

Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-EtFOSE	2.64	4.00	65.9	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
L-MeFOSE	2.62	4.00	65.5	50 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
Labeled Standards	Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS		65.2	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C3-PFPeA	IS		75.8	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C3-PFBS	IS		77.8	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C3-HFPO-DA	IS		71.9	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C2-4:2 FTS	IS		79.5	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C2-PFHxA	IS		75.0	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C4-PFHpA	IS		91.1	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C3-PFHxS	IS		82.1	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C2-6:2 FTS	IS		71.1	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C5-PFNA	IS		78.9	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C8-PFOA	IS		40.9	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C2-PFOA	IS		82.2	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C8-PFOS	IS		76.8	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C2-PFDA	IS		70.1	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C2-8:2 FTS	IS		89.0	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
d3-MeFOSAA	IS		62.7	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C2-PFUnA	IS		73.0	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
d5-EtFOSAA	IS		66.3	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C2-PFDoA	IS		70.5	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
d3-MeFOSA	IS		24.5	25 - 150	H	B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
13C2-PFTeDA	IS		66.0	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
d5-EtFOSA	IS		22.4	25 - 150	H	B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
d7-MeFOSE	IS		42.6	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1
d9-EtFOSE	IS		43.2	25 - 150		B22C230	05-Apr-22	0.250 L	06-Apr-22 21:29	1

Sample ID: FB-1
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Water	Lab Sample:	2203194-10	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 14:50	Date Received:	24-Mar-22 09:37		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.998	0.998	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFPeA	<0.746	0.746	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFBS	<0.894	0.894	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-4:2 FTS	<0.938	0.938	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFHxA	<0.805	0.805	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFPeS	<0.810	0.810	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
HFPO-DA	<1.55	1.55	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFHpA	<0.924	0.924	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
ADONA	<0.632	0.632	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFHxS	<1.02	1.02	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
Br-PFHxS	<1.02	1.02	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
Total PFHxS	<1.02	1.02	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-6:2 FTS	<1.11	1.11	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFOA	<0.943	0.943	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
Br-PFOA	<0.943	0.943	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
Total PFOA	<0.943	0.943	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFHpS	<0.588	0.588	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFNA	<0.746	0.746	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFOSA	<1.08	1.08	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFOS	<1.12	1.12	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
Br-PFOS	<1.12	1.12	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
Total PFOS	<1.12	1.12	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
9Cl-PF3ONS	<1.05	1.05	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFDA	<0.934	0.934	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-8:2FTS	<1.12	1.12	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFNS	<1.14	1.14	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-MeFOSAA	<0.938	0.938	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
Br-MeFOSAA	<0.938	0.938	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
Total MeFOSAA	<0.938	0.938	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-EtFOSAA	<1.03	1.03	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
Br-EtFOSAA	<1.03	1.03	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
Total EtFOSAA	<1.03	1.03	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFUnA	<0.746	0.746	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFDS	<0.751	0.751	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
11Cl-PF3OUdS	<0.978	0.978	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFDoA	<0.963	0.963	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-MeFOSA	<2.21	2.21	2.47		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1

Sample ID: FB-1
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Water	Lab Sample:	2203194-10	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 14:50	Date Received:	24-Mar-22 09:37		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.647	0.647	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
PFDoS	<1.40	1.40	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-PFTeDA	<0.805	0.805	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-EtFOSA	<2.30	2.30	2.47		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-EtFOSE	<1.55	1.55	1.98		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
L-MeFOSE	<1.98	1.98	2.47		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	77.3	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C3-PFPeA	IS	84.8	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C3-PFBS	IS	83.8	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C3-HFPO-DA	IS	79.3	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C2-4:2 FTS	IS	72.8	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C2-PFHxA	IS	86.3	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C4-PFHpA	IS	102	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C3-PFHxS	IS	89.2	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C2-6:2 FTS	IS	80.2	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C5-PFNA	IS	90.8	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C8-PFOA	IS	49.1	10 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C2-PFOA	IS	92.5	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C8-PFOS	IS	83.8	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C2-PFDA	IS	85.3	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C2-8:2 FTS	IS	86.5	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
d3-MeFOSAA	IS	74.3	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C2-PFUnA	IS	82.1	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
d5-EtFOSAA	IS	76.2	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C2-PFDoA	IS	77.2	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
d3-MeFOA	IS	30.1	10 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
13C2-PFTeDA	IS	81.6	25 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
d5-EtFOA	IS	27.1	10 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
d7-MeFOSE	IS	43.6	10 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1
d9-EtFOSE	IS	44.8	10 - 150		B22C230	05-Apr-22	0.253 L	06-Apr-22 23:33	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: EB-1
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Water	Lab Sample:	2203194-11	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 09:15	Date Received:	24-Mar-22 09:37		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	<0.984	0.984	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFPeA	<0.736	0.736	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFBS	<0.882	0.882	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-4:2 FTS	<0.926	0.926	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFHxA	<0.794	0.794	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFPeS	<0.799	0.799	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
HFPO-DA	<1.52	1.52	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFHpA	<0.911	0.911	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
ADONA	<0.624	0.624	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFHxS	<1.00	1.00	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
Br-PFHxS	<1.00	1.00	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
Total PFHxS	<1.00	1.00	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-6:2 FTS	<1.10	1.10	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFOA	<0.930	0.930	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
Br-PFOA	<0.930	0.930	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
Total PFOA	<0.930	0.930	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFHpS	<0.580	0.580	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFNA	<0.736	0.736	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFOSA	11.0	1.06	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFOS	<1.10	1.10	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
Br-PFOS	<1.10	1.10	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
Total PFOS	<1.10	1.10	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
9Cl-PF3ONS	<1.04	1.04	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFDA	<0.921	0.921	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-8:2FTS	<1.11	1.11	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFNS	<1.13	1.13	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-MeFOSAA	<0.926	0.926	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
Br-MeFOSAA	<0.926	0.926	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
Total MeFOSAA	<0.926	0.926	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-EtFOSAA	<1.01	1.01	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
Br-EtFOSAA	<1.01	1.01	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
Total EtFOSAA	<1.01	1.01	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFUnA	<0.736	0.736	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFDS	<0.740	0.740	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
11Cl-PF3OUdS	<0.965	0.965	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFDoA	<0.950	0.950	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-MeFOSA	<2.18	2.18	2.44		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1

Sample ID: EB-1
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	AECOM	Matrix:	Water	Lab Sample:	2203194-11	Column:	BEH C18
Project:	Former Tecumseh Products Co. Plant	Date Collected:	21-Mar-22 09:15	Date Received:	24-Mar-22 09:37		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTrDA	<0.638	0.638	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
PFDoS	<1.38	1.38	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-PFTeDA	<0.794	0.794	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-EtFOSA	<2.27	2.27	2.44		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-EtFOSE	<1.53	1.53	1.95		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
L-MeFOSE	<1.95	1.95	2.44		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	64.3	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C3-PFPeA	IS	80.2	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C3-PFBS	IS	82.7	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C3-HFPO-DA	IS	86.6	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C2-4:2 FTS	IS	81.4	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C2-PFHxA	IS	84.5	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C4-PFHpA	IS	93.1	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C3-PFHxS	IS	86.8	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C2-6:2 FTS	IS	90.2	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C5-PFNA	IS	91.0	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C8-PFOA	IS	72.0	10 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C2-PFOA	IS	86.4	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C8-PFOS	IS	83.5	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C2-PFDA	IS	86.0	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C2-8:2 FTS	IS	87.1	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
d3-MeFOSAA	IS	75.0	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C2-PFUnA	IS	78.9	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
d5-EtFOSAA	IS	81.5	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C2-PFDoA	IS	81.8	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
d3-MeFOA	IS	35.8	10 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
13C2-PFTeDA	IS	83.7	25 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
d5-EtFOA	IS	31.2	10 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
d7-MeFOSE	IS	64.7	10 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1
d9-EtFOSE	IS	65.7	10 - 150		B22C230	05-Apr-22	0.257 L	06-Apr-22 23:44	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

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)
MDL	Method Detection Limit
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
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
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.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Pennsylvania Department of Environmental Protection	018
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulfonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A



CHAIN OF CUSTODY

For Laboratory Use Only
 Work Order #: 2203194 Temp: 1.4 °C
 Storage ID: R-13, WR2 Storage Secured: Yes No

Project ID: Former Tecumseh Products Co. plant PO#: 60639735 Sampler: Jacob Dean
 (name)

TAT Standard: 21 days
 (check one): Rush (surcharge may apply)
 14 days 7 days Specify: _____

<u>Jacob Dean</u> Relinquished by (printed name and signature)	<u>3-22-22</u> Date	<u>10:00</u> Time	<u>FedEx</u> Received by (printed name and signature)	<u>03/24/22</u> Date	<u>09:32</u> Time
<u>Harvey Mc Kay</u> Relinquished by (printed name and signature)	<u>03/22/22</u> Date	<u>09:32</u> Time	<u>Kamryn K</u> Received by (printed name and signature)	<u>03/24/22</u> Date	<u>09:32</u> Time

SHIP TO: Vista Analytical Laboratory
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520 * Fax (916) 673-0106
 Method of Shipment: FedEx
 ATTN: Jenifer Christman
 Tracking No.: _____

Quantity	Type	Matrix	PFOA/PFOS	UCMR3 PFAS List:6	537.1 List: 14 or 18 (Circle One)	EPA Draft List of 24	OTHER: Please attach analyte list	PFOA/PFOS	UCMR3 PFAS List:6	537.1 List of 14	537.1 List of 18	EPA Method 537 (DW only)	Comments
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Sample ID	Date	Time	Location/ Sample Description	Quantity	Type	Matrix	PFOA/PFOS	UCMR3 PFAS List:6	537.1 List: 14 or 18 (Circle One)	EPA Draft List of 24	OTHER: Please attach analyte list	PFOA/PFOS	UCMR3 PFAS List:6	537.1 List of 14	537.1 List of 18	EPA Method 537 (DW only)	Comments
ASB-5 (2-3')	3-21-22	12:40		1	PJ	S					PFAS WI 33						
ASB-5 (5-6')		12:45															
ASB-6 (2-3')		13:15															
ASB-6 (3-4')		13:20															
ASB-7 (2-3')		13:50															
ASB-7 (5-6')		13:55															
ASB-8 (3-4')		14:30															
ASB-8 (6-7')		14:35															
DUP 2		14:35															
FB-1		14:50															

Special Instructions/Comment: PFAS WI 33

SEND DOCUMENTATION AND RESULTS TO:
 Name: Jim Buss
 Company: AECOM
 Address: 1350 Deming Way Suite 100
 City: Middleton State: WI Zip: 53562
 Phone: 608-828-8210
 Email: james.buss@aecom.com

Container Types: P = HDPE, PJ = HDPE Jar
 Bottle Preservation Type: _____
 PY = Polypropylene, O = Other _____
 TZ = Trizma: _____
 Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment,
 SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other _____



CHAIN OF CUSTODY

For Laboratory Use Only
 Work Order #: 2203194 Temp: 1.4 °C
 Storage ID: R-13, WR-2 Storage Secured: Yes No

Project ID: Former Tecumseh Products Co Plant PO#: 60639735 Sampler: Jacob Dean (name)

TAT Standard: 21 days
 (check one): Rush (surcharge may apply) 14 days 7 days Specify: _____

Relinquished by (printed name and signature) <u>Jacob Dean</u>	Date <u>3-22-22</u>	Time <u>10:00</u>	Received by (printed name and signature) <u>FedEx</u>	Date <u>03/24/22</u>	Time <u>09:37</u>
Relinquished by (printed name and signature) <u>FedEx</u>	Date <u>03/24/22</u>	Time <u>09:37</u>	Received by (printed name and signature) <u>Kara M Kn</u>	Date <u>03/24/22</u>	Time <u>09:37</u>

SHIP TO: Vista Analytical Laboratory
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520 * Fax (916) 673-0106

Method of Shipment:
FedEx
 Tracking No.: _____

ATTN: Jennifer Christman

Add Analysis(es) Requested

Container(s)

Quantity
Type
Matrix

PFON/PFOS
UCMR3 PFAS List:6
537.1 List: 14 or 18 (Circle One)
EPA Draft List of 24

OTHER:
Please attach analyte list
PFAS WI 33

PFDA/PFOA
UCMR3 PFAS List:6
537.1 List of 14
537.1 List of 18

PFAS by Isotope Dilution

EPA Method 537 (DW only)

Sample ID	Date	Time	Location/ Sample Description	Quantity	Type	Matrix	PFON/PFOS	UCMR3 PFAS List:6	537.1 List: 14 or 18 (Circle One)	EPA Draft List of 24	OTHER: Please attach analyte list	PFDA/PFOA	UCMR3 PFAS List:6	537.1 List of 14	537.1 List of 18	Comments
EB-1	3-21-22	9:15		1	PF	W					PFAS WI 33					
ASB-1 (5-6')		9:55			PJ	S										
ASB-1 (7-8')		9:57														
ASB-2 (1-2')		10:45														
ASB-2 (7-8')		10:50														
ASB-3 (2-3')		11:15														
DUP-1		11:15														
ASB-3 (6-7')		11:20														
ASB-4 (4-5')		11:55														
ASB-4 (6-7')		12:00														

Special Instructions/Comment

PFAS WI 33

SEND DOCUMENTATION AND RESULTS TO:

Name: Jim Buss
 Company: AELON
 Address: 1350 Deming Way Suite 100
 City: Middleton State: WI Zip: 53562
 Phone: 608-828-8210
 Email: Jim.Buss@aelon.com

Container Types: P = HDPE, PJ = HDPE Jar
 PY = Polypropylene, O = Other _____

Bottle Preservation Type:
 TZ = Trizma: _____

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment,
 SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other _____

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2203194 TAT Std

Samples Arrival:	Date/Time <u>07/24/22 09:37</u>		Initials: <u>h</u>		Location: <u>WR-2</u>	
	Shelf/Rack: <u>N12</u>					
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac	<input type="checkbox"/> GLS	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice		<input type="checkbox"/> Techni Ice	<input type="checkbox"/> Dry Ice	<input type="checkbox"/> None
Temp °C:	<u>1.5</u> (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N			Thermometer ID: <u>IR-3</u>	
Temp °C:	<u>1.4</u> (corrected)					

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill <u>✓</u> Trk # <u>2711 4065 2053</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input type="checkbox"/> Vista	<input checked="" type="checkbox"/> Client	<input type="checkbox"/> Retain
	<input type="checkbox"/>	<input checked="" type="checkbox"/> Return	<input type="checkbox"/> Dispose
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Logged In:	Date/Time <u>07/25/22 10:32</u>		Initials: <u>h</u>
	Location: <u>R-10, WR-2</u> ↓ ↓		Shelf/Rack: <u>A-2, A-3, F-5</u>
COC Anomaly/Sample Acceptance Form completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2203194

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2203194-01	A ASB-5 (2-3)		21-Mar-22 12:40	HDPE Jar, 6 oz	Solid	
2203194-02	A ASB-5 (5-6)		21-Mar-22 12:45	HDPE Jar, 6 oz	Solid	
2203194-03	A ASB-6 (2-3)		21-Mar-22 13:15	HDPE Jar, 6 oz	Solid	
2203194-04	A ASB-6 (3-4)		21-Mar-22 13:20	HDPE Jar, 6 oz	Solid	
2203194-05	A ASB-7 (2-3)		21-Mar-22 13:50	HDPE Jar, 6 oz	Solid	
2203194-06	A ASB-7 (5-6)		21-Mar-22 13:55	HDPE Jar, 6 oz	Solid	
2203194-07	A ASB-8 (3-4)		21-Mar-22 14:30	HDPE Jar, 6 oz	Solid	
2203194-08	A ASB-8 (6-7)		21-Mar-22 14:35	HDPE Jar, 6 oz	Solid	
2203194-09	A DUP-2		21-Mar-22 14:35	HDPE Jar, 6 oz	Solid	
2203194-10	A FB-1		21-Mar-22 14:50	HDPE Bottle, 250 mL	Aqueous	
2203194-11	A EB-1		21-Mar-22 09:15	HDPE Bottle, 250 mL	Aqueous	
2203194-12	A ASB-1 (5-6)		21-Mar-22 09:55	HDPE Jar, 6 oz	Solid	
2203194-13	A ASB-1 (7-8)		21-Mar-22 09:57	HDPE Jar, 6 oz	Solid	
2203194-14	A ASB-2 (1-2)		21-Mar-22 10:45	HDPE Jar, 6 oz	Solid	
2203194-15	A ASB-2 (7-8)		21-Mar-22 10:50	HDPE Jar, 6 oz	Solid	
2203194-16	A ASB-3 (2-3)		21-Mar-22 11:15	HDPE Jar, 6 oz	Solid	
2203194-17	A DUP-1		21-Mar-22 11:15	HDPE Jar, 6 oz	Solid	
2203194-18	A ASB-3 (6-7)		21-Mar-22 11:20	HDPE Jar, 6 oz	Solid	
2203194-19	A ASB-4 (4-5)		21-Mar-22 11:55	HDPE Jar, 6 oz	Solid	
2203194-20	A ASB-4 (6-7)		21-Mar-22 12:00	HDPE Jar, 6 oz	Solid	

↑
 A
 ↓
 11/03/25/22

Checkmarks indicate that information on the COC reconciled with the sample label.
 Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		

Comments: A No backup volume

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None Other

Verified by/Date: W 03/05/22