Dane County Regional Airport

PFAS BRRT #02-13-584369 and # 02-13-584472

December 2021 Progress Report

This document provides a progress report summary of actions taken by Dane County Regional Airport (DCRA) since May 2021 at BRRTS #02-13-584369 and # 02-13-584472.

Starkweather Creek Monitoring

Two (2) dye tests were conducted on the tributary (East Ditch) to the West Branch of Starkweather Creek (Creek) located at the southeast end of DCRA. The first dye test was conducted on June 21, 2021 and the second on June 23, 2021. When the dye was released in the East Ditch of June 21, the dye traveled east indicating the flow from the Creek was flowing into the East Ditch. Flow in the Creek was still high from 1.96 inches of rain that had fallen in the preceding 7 days. On the June 23 dye test, the dye moved out of the East Ditch and into the Creek. The dye appeared to be completely mixed into the Creek at approximately 600 feet south of Anderson Street. Based on these observations, we recommend sampling location for the Creek downstream of DCRA (Station 4) be moved 700 feet south of Anderson Street. This location has been identified as 4A to distinguish it from samples collected at Station 4 which was approximately 20 feet downstream of Anderson Street.

Water samples were collected at six (6) locations on three (3) dates to establish a PFAS baseline before rehabilitation work is done on the storm sewer system. The water samples were tested for PFAS in accordance with the approved Work Plan. The sampling locations are shown on Figure 1 and the laboratory reports are included as Attachment A. The flow was measured at each sampling location during each sampling event using a Flow Tracker 2 handheld Acoustic Doppler Velocimeter. The results of the creek monitoring are summarized in Table 1. The mass load for PFOA, PFOS, and Total PFAS was calculated by multiplying the concentration by the flow rate. This Creek monitoring will be repeated after the storm sewer rehabilitation is completed.

Storm Sewer Televising

Approximately 11,104 feet of storm sewer was televised in May 2021. Storm sewers to be televised were selected based on previous PFAS sampling and flow observations. A summary of the observations from the storm sewer televising is presented in Table 2. and the locations of the storm sewers are shown in the attached drawings C-101 to C-105. An additional 527 feet of storm sewer could not be televised due to debris in the storm sewer.

BAM Boom at Outfall 021

The BAM boom that was installed at outfall 021 has been replaced with a new BAM boom by ORIN Technologies, LLC.

Storm sewer restoration

DCRA is continuing to evaluate storm sewer restoration options. Selected restoration work is expected to be implemented in 2022.

Pilot Scale Biodegradation Study

DCRA is participating with partial funding for the pilot scale biodegradation study being conducted by ORIN Technologies at the Wisconsin Air National Guard (WI ANG) base. The pilot study, is being conducted on an approximately 1,600 square foot area located southwest of Building 430. Four (4) monitoring wells have been installed and BAM, calcium peroxide, and PFAS degrading bacteria have been injected into the study area via approximately 20 points. Six (6) EKOGRID electrodes have been installed to generate oxygen in the study area groundwater. This will maintain satisfactory conditions for the biodegradation of the PFAS. Groundwater samples from the 4 monitoring wells will be collected approximately 14 times in the 12 months following BAM injection. The monitoring wells will be tested for the following: dissolved oxygen, pH, oxidation reduction potential, depth to water, conductivity, temperature, WDNR approved list of PFAS compounds, total organic fluorine, total organic fluoride, and dissolved calcium.

Table 1. Creek Monitoring Summary

Date	Parameter	Outfall 32	Station 11	Outfall 21	Station 10	Station 4A	Station 7
6/30/21	Flow (cfs)	0.84	6.89	0.14	0.17	8.37	8.7
7/13/21		0.46	4.1	0.03	0.25	3.77	3.53
8/3/21		0.43	2.15	0.03	0.21	2.1	2.23
6/30/21	PFOA (ppt)	19.1	14.3	180	162	34.3	23.5
7/13/21		91.6	26.7	855	305	81.6	47.2
8/3/21		88.5	30.3	978	303	56.7	52.4
6/30/21	PFOS (ppt)	133	34.8	3,870	1.960	314	155
7/13/21		447	51.1	17,500	2,650	581	256
8/3/21		450	27.7	20,600	2,100	302	193
6/30/21	Total PFAS (ppt)	316	142	7.919	3,973	718	415
7/13/21		1,184	221	38,976	7,523	1,508	743
8/3/21		1,119	185	40,266	6,205	863	576
6/30/21	PFOA Load (mg/day)	39.3	241	61.7	67.4	702	500
7/13/21		103	268	62.8	187	753	408
8/3/21		182	511	335	126	1,161	1,115
6/30/21	PFOS Load (mg/day)	273	587	1,326	815	6,430	3,300
7/13/21		503	513	1,285	1,621	5,360	2,211
8/3/21		925	467	7,057	874	6,185	4,108
6/30/21	Total PFAS Load (mg/day)	649	2,394	2,713	1,653	14,705	8,834
7/13/21		1,333	2,217	2,861	4,602	13,910	6,418
8/3/21		2,300	3,110	13,790	2,580	17,670	12,250

Table 2. Summary of Storm Sewer Televising.

Upstream MH	Downstream MH	Length (feet)	Size (inches)	Pipe Material	Comments
21-1	21-0	147.0	72	RCP	
21-1A	21-1	112.0	12	RCP	Possible broken pipe. Camera under water.
21-2	21-1A	83.9	12	RCP	Infiltration and Encrustation.
21-3	21-1	96.4	72	RCP	
21-4	21-3	100.9	72	RCP	
21-5	21-4	76.0	72	RCP	
21-6	21-5	96.8	72	RCP	
21-6	21-7	327.0	60	CMP	
21-8	21-6	85.2	15	RCP	Infiltration, Encrustation, and Deposits Settled.
21-9	21-6	173.4	48	RCP	
21-10	21-13	69.0	10	PVC	
21-10	21-9	193.6	48	RCP	Deposits Settled.
21-12	21-10	164.0	48	RCP	Gravel Deposits.
21-14	21-11	79.6	12	RCP	Crack circumferential, Deposits Settled (Fine), and Crack Multiple.
21-15	21-14	59.6	10	PVC	Deposits Settled (Fine)
21-16	T-Connection	21.2	12	RCP	
32-2	32-1	68.7	24	RCP	
32-3	32-2	268.2	24	RCP	
32-4	32-3	70.0	24	VCP	Deposits Settled (Fine), Fracture Multiple, and Encrustation.
32-5	32-4	1000.0	24	VCP	Pipe Broken (sealed with other pipe), Point Repair, Encrustation, Deposits Settled (Fine), Crack Multiple, Fracture Longitudinal, and Sediment Blocking Crawler.
32-5R	32-4	1090.0	24	VCP	Fracture Multiple and Deposits Settled (Fine).
32-6	32-6A	16.3	24	RCP	
32-6A	32-3	63.7	24	RCP	
32-7	32-6	107.3	12	RCP	Encrustation, Crack Multiple, Fracture Multiple, and Fracture Circumferential.
32-8	32-7	269.0	12	RCP	Sediments blocking camera, Encrustation, and Deposits Settled (Fine).
32-9	32-7	277.0	12	RCP	
32-10	32-6	300.0	18	RCP	Crack Longitudinal, Deposits Settled (Fine), Crack Longitudinal, Encrustation, and Intruding lateral blocking camera.
32-10R	32-6	300.0	18	RCP	Encrustation and Deposits Settled (Fine).
32-11	32-10	150.0	18	CMP	Material Change and Point Repair (Corrugated connection to concrete pipe detached).
32-12	32-6A	277.2	24	RCP	Intruding Seal Material and Encrustation.
32-13	32-12	217.4	24	RCP	Encrustation.
32-14	32-13	217.8	24	RCP	Encrustation.
32-15	32-14	360.0	24	RCP	Encrustation and Deposits Settled (Gravel).
32-16	32-16A	29.1	18	RCP	Dimension/Shape Change and Fracture Multiple.
32-16A	32-16B	92.2	15	RCP	Crack Multiple.
32-17	32-16B	200.0	12	RCP	Debris Blocking camera, Deposits Settled (Fine),and Fracture Circumferential.
32-17A	32-17	90.0	12	RCP	Material Change, Deposits Settled (Fine), Fracture Circumferential, and Deposits Settled (Gravel).
32-18	32-17A	170.0	12	RCP	Deposits Settled (Fine).
32-19	32-16	110.0	18	RCP	Intruding Seal Material.
32-20	32-19	92.6	15	RCP	Obstacle - Object Wedged in Joint.
32-21	32-20	93.5	15	RCP	Fracture Spiral, Crack Multiple, Crack Longitudinal, Encrustation, and Joint Offset.
32-22	32-21	29.3	15	RCP	Joint Offset, Fracture Multiple, and Pipe Broken.
32-23	32-22	37.1	15	RCP	Fracture Multiple, Encrustation, and Sag.
32-24	32-23	90.5	15	RCP	Encrusted, Crack Longitudinal, Sag, Crack Multiple, and Crack Spiral.
32-25	32-24	166.8	12	RCP	Encrustation, Fractur Circumferential, Crack Longitudinal, and Fracture Multiple.

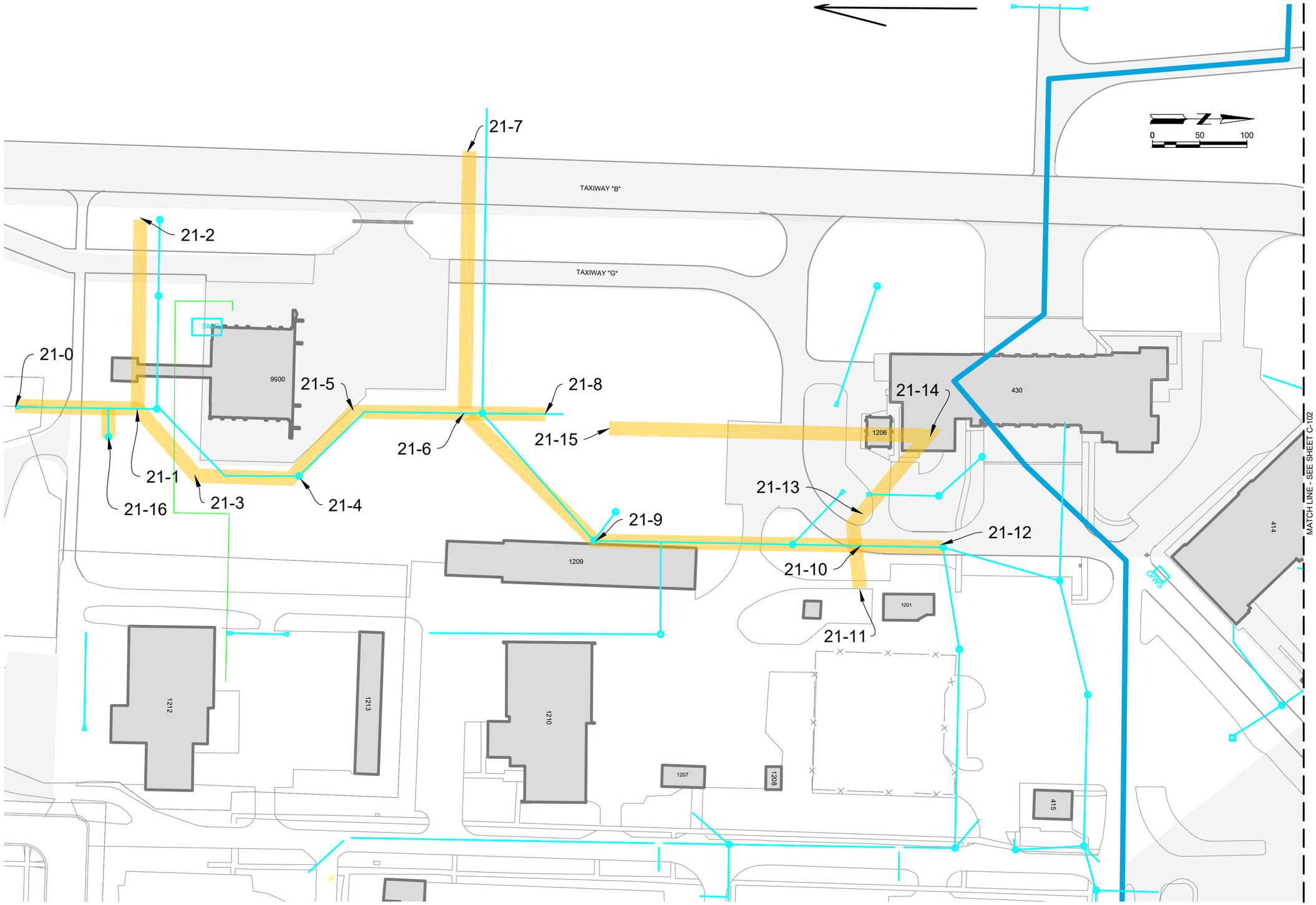
32-26	32-25	110.4	12	RCP	Deposits Settled (Fine), Material Change, Fracture Multiple, Encrustation, and Pipe Broken.
32-27	32-26	63.4	12	RCP	Deposits Settled (Fine).
32-28	32-29	126.7	12	RCP	Deposits Settled (Fine).
32-28A	32-51	125	12	RCP	Fracture Multiple and Deposits Settled (Fine).
32-28AR	32-51	125	12	RCP	Debris Blocking camera and Deposits Settled (Fine).
32-29	32-30	149.1	12	RCP	Intruding Seal Material.
32-30	32-31	54.3	12	RCP	Intruding Seal Material.
32-32	32-31	56	12	VCP	Dimension/Shape Change (Blocking Camera), Fracture Longitudinal, and Deposits Settled (Fine).
32-33	32-34	34	15	VCP	Encrustation, Crack Multiple, and Obstacle - Construction Debris.
32-34	32-34A	94.5	30	RCP	Encrustation and Pipe Crossing Inside Manhole.
32-34A	32-35	51	36	RCP	Pipe Crossing Inside Manhole and Deposits Settled (Fine).
32-35	32-36	76	36	RCP	Deposits Settled (Fine).
32-36	32-36A	85.8	36	RCP	Deposits Settled (Fine).
32-38	32-37	71.7	12	RCP	Sag.
32-39	32-38	219.3	12	RCP	Fracture Circumferential, Crack Circumferential, and Encrustation.
32-40	32-41	34	15	RCP	Deposits Settled (Other, Rocks and Gravel) and Rocks and Gravel Blocking the Camera.
32-41	32-39	30.2	12	RCP	
32-43	32-34	57.3	12	CMP	Deposits Settled (Gravel) and Buckling Wall.
32-44	32-34	63.3	30	RCP	Deposits Settled (Fine).
32-44A	32-44	60.7	30	RCP	Deposits Settled (Fine).
32-45	32-44A	146.6	30	RCP	Deposits Settled (Gravel).
32-47	32-53	179.3	12	RCP	Obstacle - Object Wedged in Joint and Deposits Settled (Fine).
32-48	32-47	48.3	12	RCP	Deposits Settled (Gravel) and Fracture Longitudinal Hinge.
32-49	32-48	163	12	RCP	Deposits Settled (Compacted) and Deposits Settled (Fine).
32-50	32-45	49	21	CMP	Deposits Settled (Compacted).
32-51	32-27	138	12	RCP	Intruding Seal Material.
32-53	32-45	56.2	27	RCP	
32-54	32-53	147.0	24	RCP	
32-55	32-54	147.3	10	RCP	Intruding Seal Material.
32-56	32-54	72.8	18	RCP	
Roof Drain	32-33	129.6	12	VCP	Turn Blocking Camera, Deposits Settled (Fine), and Encrustation.

RCP – Reinforced Concrete Pipe

VCP – Vitrified Clay Pipe

CMP – Corrugated Metal Pipe

Figure 1 PFAS SAMPLING LOCATIONS



Mead & Hunt

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DANE COUNTY REGIONAL AIRPORT

MADISON, WISCONSIN

ISSUED

NOT FOR CONSTRUCTION

M&H NO.:	2309936-200092.01
DATE:	May 10, 2021
DESIGNED BY:	TJA
DRAWN BY:	TJR
CHECKED BY:	TJA

DO NOT SCALE DRAWINGS

SHEET CONTENTS

STORM SEWER
TELEVISING LAYOUT

SHEET NO. 1 of 1

C-101

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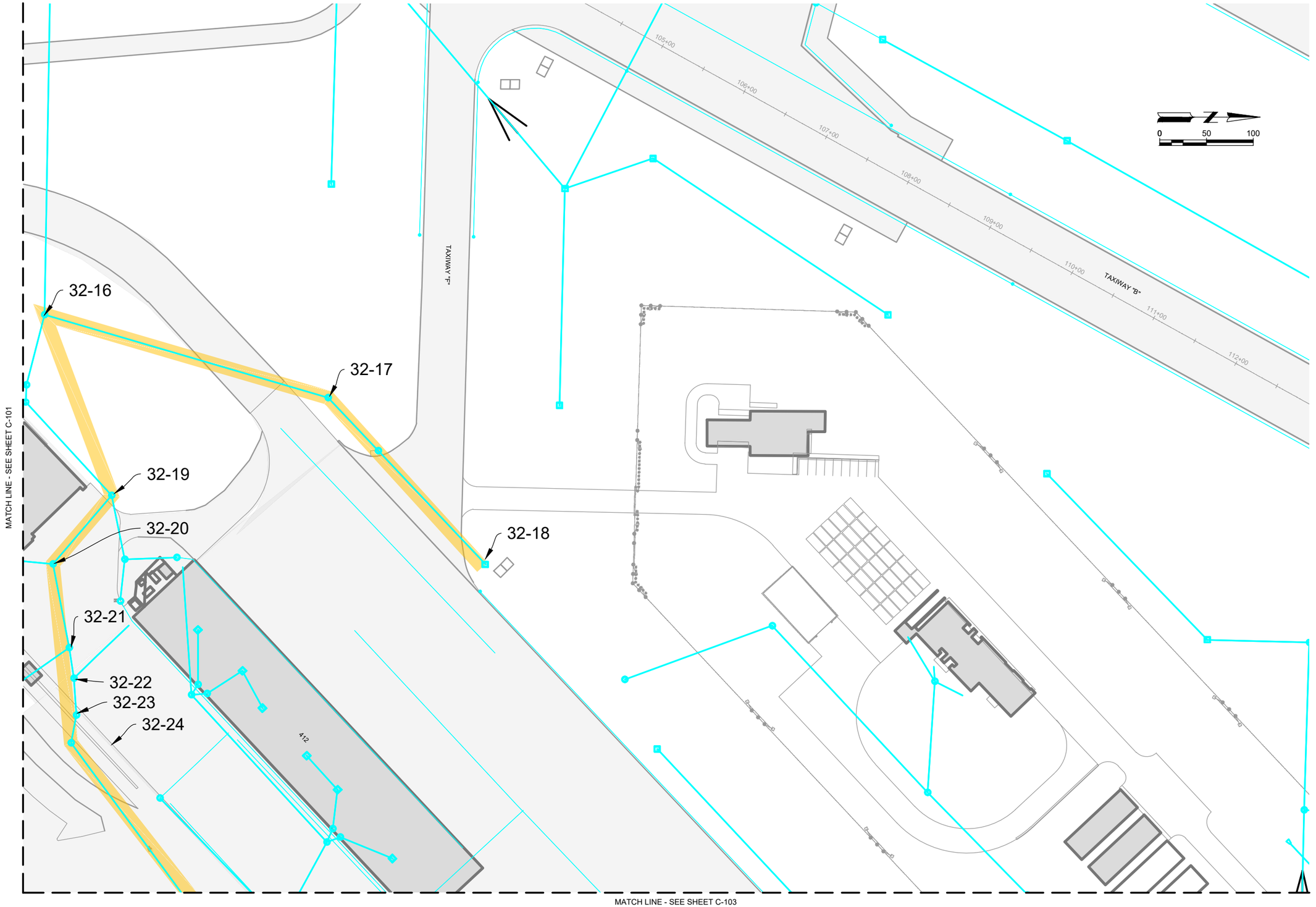

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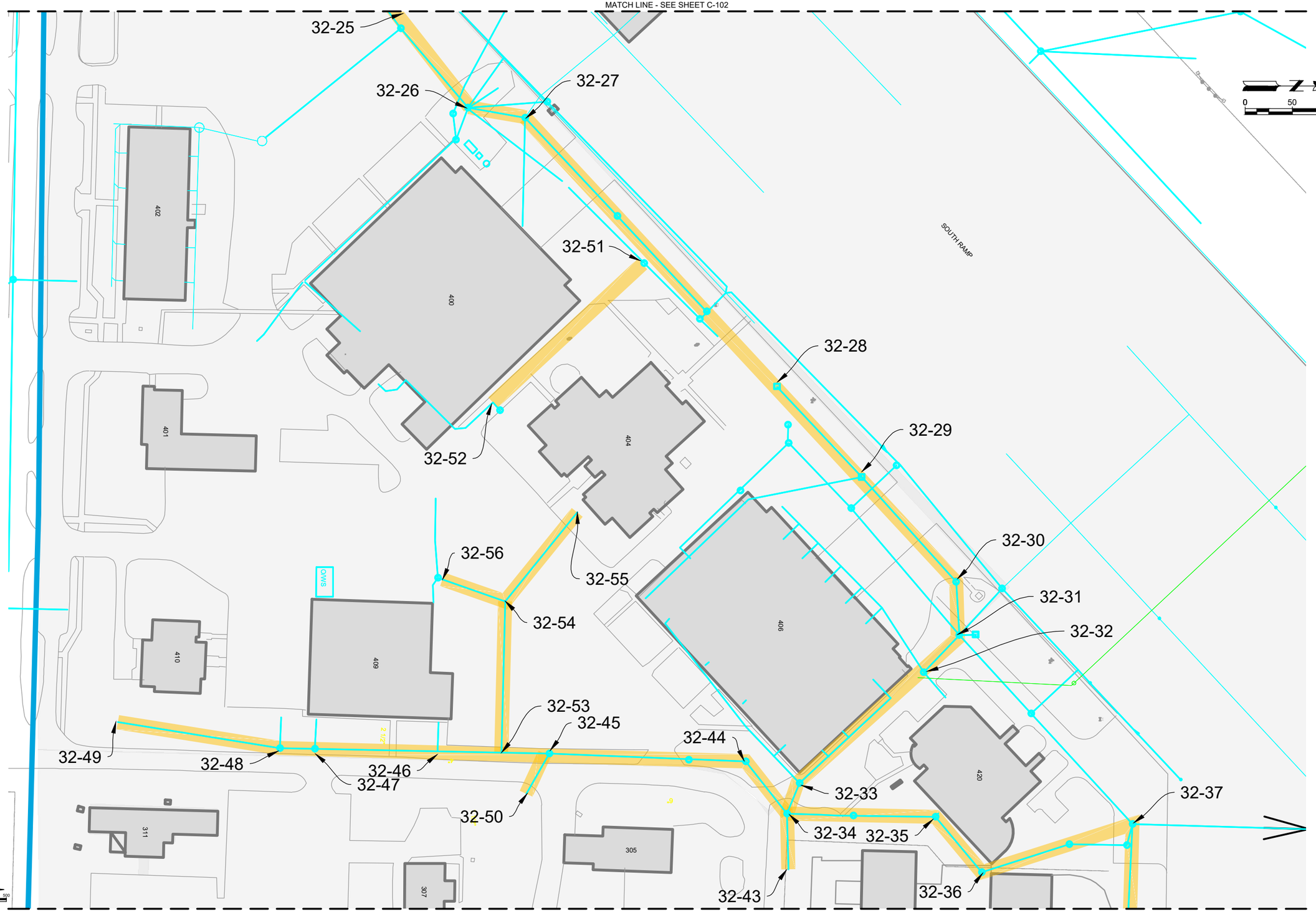
SHEET CONTENTS

STORM SEWER
TELEVISING LAYOUT

SHEET NO. 2 of 5

C-102

MATCH LINE - SEE SHEET C-102



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SHEET CONTENTS

STORM SEWER TELEVISING LAYOUT

SHEET NO. 3 of 5

C-103

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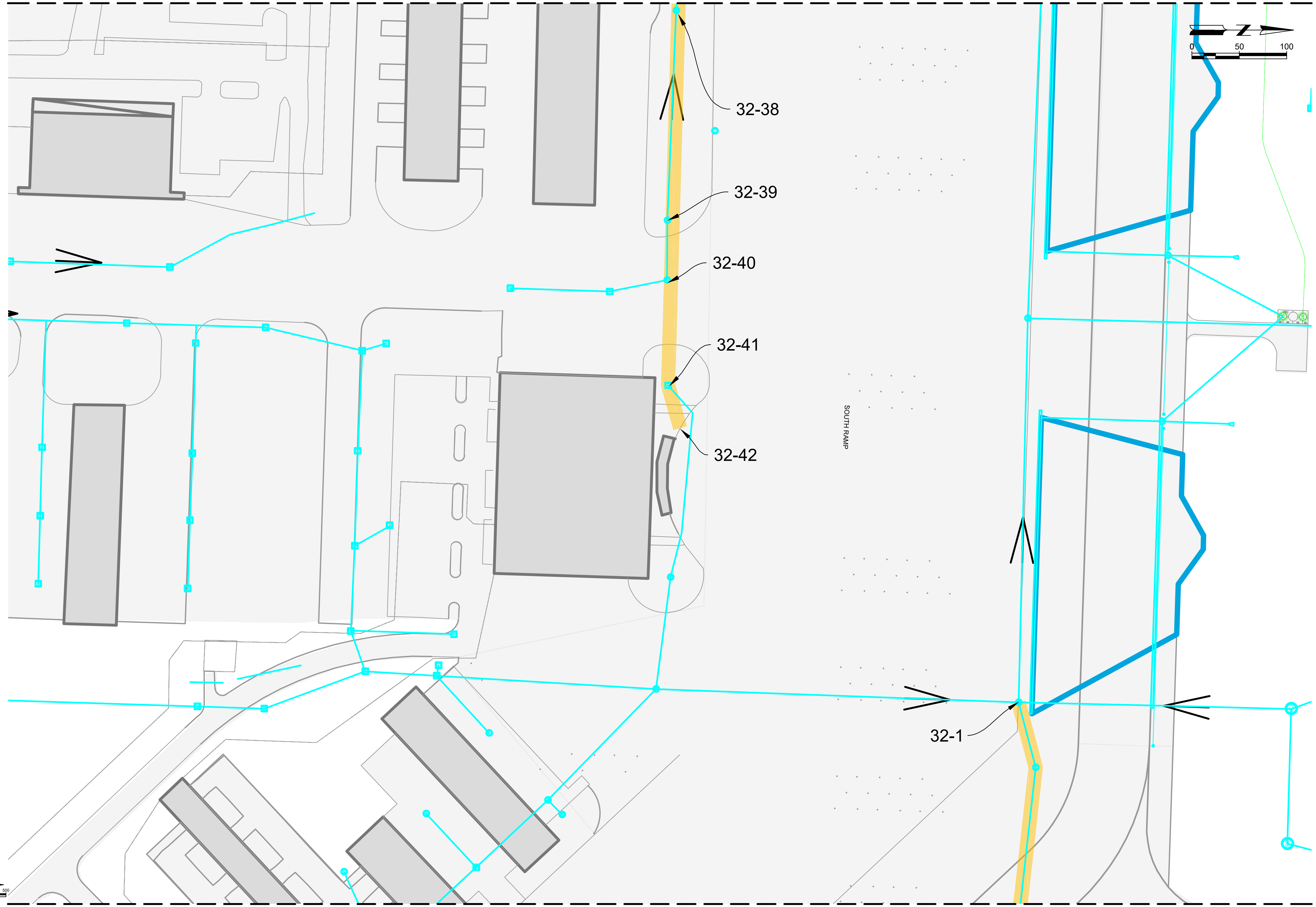

MATCH LINE - SEE SHEET C-105

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SHEET CONTENTS
STORM SEWER TELEVISING LAYOUT

SHEET NO. 4 of 5

C-104

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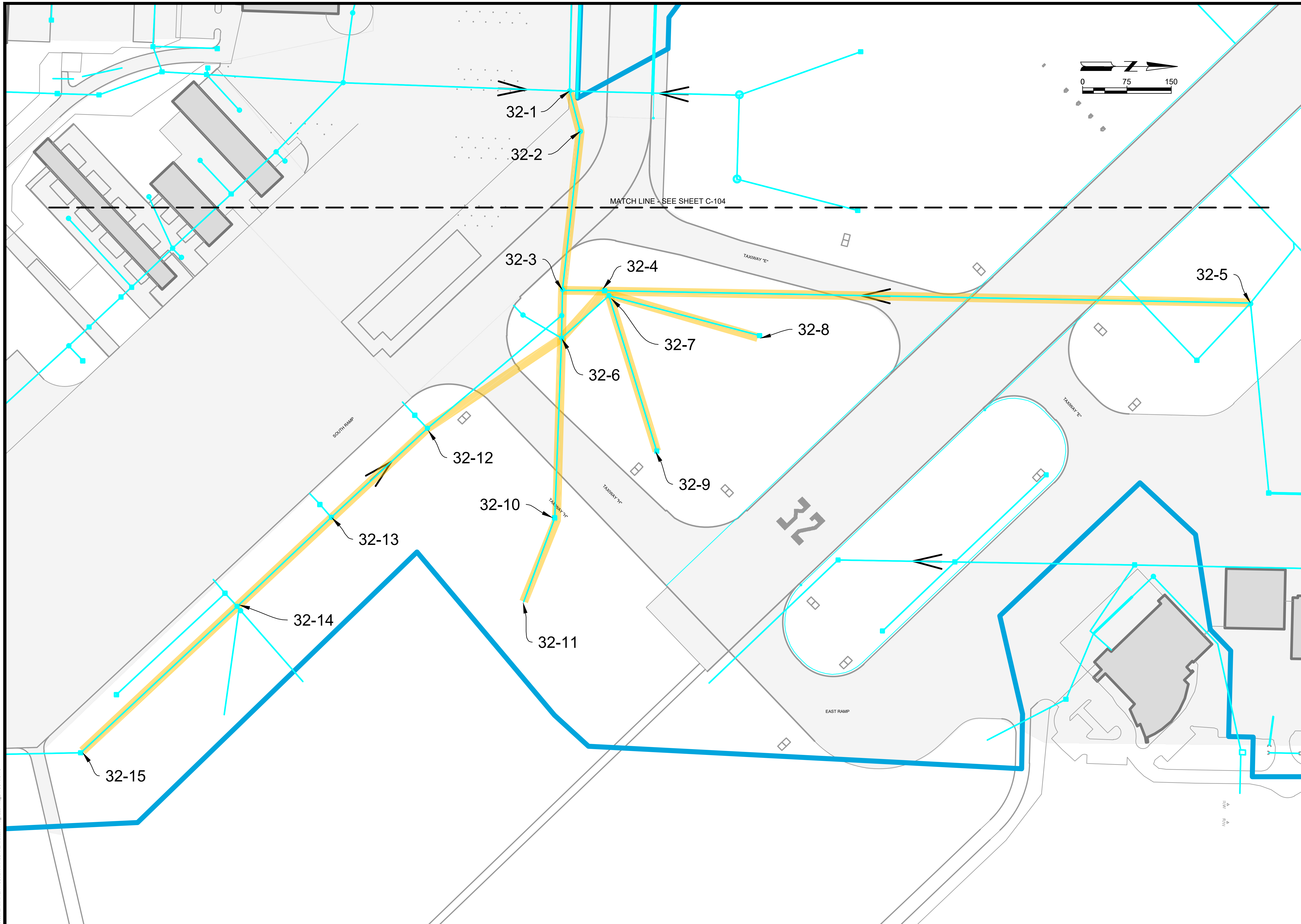

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SHEET CONTENTS

STORM SEWER TELEVISING LAYOUT

SHEET NO. 5 of 5

C-105

Attachment 1

Laboratory Reports

August 06, 2021

Vista Work Order No. 2107035

Mr. Eric Oelkers
SCS Engineers
2830 Dairy Drive
Madison, WI 53718

Dear Mr. Oelkers,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on July 01, 2021 under your Project Name 'Mead & Hunt Airport Sampling 25221127.00'.

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 mmaier@vista-analytical.com.

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

Sincerely,

for

Martha Maier
Laboratory Director

Vista Work Order No. 2107035
Case Narrative

Sample Condition on Receipt:

Eight 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

Samples "Outfall 21", "Outfall 21 DUP" and "Station 10" contained particulate and were centrifuged prior to extraction.

The 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 for all QC and field samples were within the acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2107035-01	Outfall 32	30-Jun-21 09:10	01-Jul-21 09:32	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2107035-02	Station 11	30-Jun-21 11:00	01-Jul-21 09:32	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2107035-03	Outfall 21	30-Jun-21 12:35	01-Jul-21 09:32	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2107035-04	Outfall 21 DUP	30-Jun-21 12:40	01-Jul-21 09:32	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2107035-05	Station 10	30-Jun-21 13:35	01-Jul-21 09:32	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2107035-06	Field Blank	30-Jun-21 13:45	01-Jul-21 09:32	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2107035-07	Station 4A	30-Jun-21 14:10	01-Jul-21 09:32	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2107035-08	Station 7	30-Jun-21 14:30	01-Jul-21 09:32	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Aqueous

Laboratory Data

Lab Sample: B1G0066-BLK1
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.715	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFPeA	2706-90-3	ND	0.980	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFBS	375-73-5	ND	0.770	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
4:2 FTS	757124-72-4	ND	1.08	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFHxA	307-24-4	ND	1.13	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFPeS	2706-91-4	ND	0.905	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFHpA	375-85-9	ND	0.885	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFHxS	355-46-4	ND	1.08	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
6:2 FTS	27619-97-2	ND	0.965	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFOA	335-67-1	ND	1.09	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFHpS	375-92-8	ND	2.47	2.50		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFNA	375-95-1	ND	0.565	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFOSA	754-91-6	ND	1.35	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFOS	1763-23-1	ND	1.07	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFDA	335-76-2	ND	0.900	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
8:2 FTS	39108-34-4	ND	2.24	2.25		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFNS	68259-12-1	ND	1.41	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
MeFOSAA	2355-31-9	ND	0.945	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
EtFOSAA	2991-50-6	ND	2.54	2.63		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFUnA	2058-94-8	ND	1.35	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFDS	335-77-3	ND	2.71	2.75		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFDoA	307-55-1	ND	0.785	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFTrDA	72629-94-8	ND	1.11	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
PFTeDA	376-06-7	ND	0.815	2.00		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	109	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C3-PFPeA	IS	90.6	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C3-PFBS	IS	76.8	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C2-4:2 FTS	IS	77.9	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C2-PFHxA	IS	92.7	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C4-PFHpA	IS	90.0	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C3-PFHxS	IS	77.3	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C2-6:2 FTS	IS	91.3	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C5-PFNA	IS	104	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C8-PFOSA	IS	52.5	10 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C2-PFOA	IS	89.2	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C8-PFOS	IS	85.8	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C2-PFDA	IS	81.9	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Aqueous

Laboratory Data

Lab Sample: B1G0066-BLK1
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	71.8	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
d3-MeFOSAA	IS	64.9	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C2-PFUnA	IS	71.0	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
d5-EtFOSAA	IS	63.5	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C2-PFDoA	IS	65.1	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1
13C2-PFTeDA	IS	67.0	20 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 06:50	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Aqueous

Laboratory Data

Lab Sample: B1G0066-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	42.0	40.0	105	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFPeA	2706-90-3	43.5	40.0	109	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFBS	375-73-5	43.7	40.0	109	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
4:2 FTS	757124-72-4	41.4	40.0	104	60 - 145		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFHxA	307-24-4	44.2	40.0	111	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFPeS	2706-91-4	45.2	40.0	113	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFHpA	375-85-9	43.5	40.0	109	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFHxS	355-46-4	46.1	40.0	115	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
6:2 FTS	27619-97-2	52.1	40.0	130	60 - 140		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFOA	335-67-1	47.6	40.0	119	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFHpS	375-92-8	45.5	40.0	114	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFNA	375-95-1	37.8	40.0	94.5	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFOSA	754-91-6	40.3	40.0	101	65 - 140		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFOS	1763-23-1	41.6	40.0	104	65 - 140		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFDA	335-76-2	44.2	40.0	110	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
8:2 FTS	39108-34-4	48.3	40.0	121	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFNS	68259-12-1	40.0	40.0	99.9	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
MeFOSAA	2355-31-9	47.7	40.0	119	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
EtFOSAA	2991-50-6	43.5	40.0	109	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFUnA	2058-94-8	43.6	40.0	109	65 - 140		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFDS	335-77-3	40.0	40.0	100	50 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFDoA	307-55-1	47.9	40.0	120	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFTrDA	72629-94-8	43.2	40.0	108	60 - 140		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
PFTeDA	376-06-7	43.4	40.0	108	65 - 135		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	110	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C3-PFPeA	IS	89.8	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C3-PFBS	IS	82.3	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C2-4:2 FTS	IS	87.7	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C2-PFHxA	IS	88.0	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C4-PFHpA	IS	88.5	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C3-PFHxS	IS	77.6	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C2-6:2 FTS	IS	86.2	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C5-PFNA	IS	116	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C8-PFOSA	IS	59.1	10 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Aqueous

Laboratory Data

Lab Sample: B1G0066-BS1
Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFOA	IS	89.0	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C8-PFOS	IS	87.1	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C2-PFDA	IS	75.7	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C2-8:2 FTS	IS	63.7	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
d3-MeFOSAA	IS	65.1	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C2-PFUnA	IS	68.8	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
d5-EtFOSAA	IS	65.8	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C2-PFDoA	IS	69.0	25 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1
13C2-PFTeDA	IS	70.0	20 - 150		B1G0066	18-Jul-21	0.250 L	30-Jul-21 07:00	1

Sample ID: Outfall 32

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 09:10

Laboratory Data

Lab Sample: 2107035-01
Date Received: 01-Jul-21 09:32
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	9.75	0.719	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFPeA	2706-90-3	16.2	0.986	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFBS	375-73-5	5.73	0.774	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
4:2 FTS	757124-72-4	ND	1.09	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFHxA	307-24-4	19.3	1.14	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFPeS	2706-91-4	4.88	0.910	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFHpA	375-85-9	11.7	0.890	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFHxS	355-46-4	70.9	1.08	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
6:2 FTS	27619-97-2	14.4	0.970	2.01		B1G0066	18-Jul-21	0.249 L	03-Aug-21 07:25	1
PFOA	335-67-1	19.1	1.10	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFHpS	375-92-8	3.65	2.48	2.51		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFNA	375-95-1	1.99	0.568	2.01	J	B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFOSA	754-91-6	ND	1.36	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFOS	1763-23-1	133	1.07	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFDA	335-76-2	1.46	0.905	2.01	J	B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
8:2 FTS	39108-34-4	3.73	2.25	2.26		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFNS	68259-12-1	ND	1.42	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
MeFOSAA	2355-31-9	ND	0.950	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
EtFOSAA	2991-50-6	ND	2.55	2.64		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFUnA	2058-94-8	ND	1.35	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFDS	335-77-3	ND	2.72	2.77		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFDoA	307-55-1	ND	0.789	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFTrDA	72629-94-8	ND	1.11	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
PFTeDA	376-06-7	ND	0.820	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	110	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
13C3-PFPeA	IS	92.9	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
13C3-PFBS	IS	93.1	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
13C2-4:2 FTS	IS	83.2	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
13C2-PFHxA	IS	97.0	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
13C4-PFHpA	IS	95.2	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
13C3-PFHxS	IS	78.6	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
13C2-6:2 FTS	IS	106	25 - 150		B1G0066	18-Jul-21	0.249 L	03-Aug-21 07:25	1
13C5-PFNA	IS	108	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
13C8-PFOSA	IS	71.7	10 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
13C2-PFOA	IS	85.5	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
13C8-PFOS	IS	89.9	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1

Sample ID: Outfall 32

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 09:10

Laboratory Data

Lab Sample: 2107035-01
Date Received: 01-Jul-21 09:32
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	83.8	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
13C2-8:2 FTS	IS	86.9	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
d3-MeFOSAA	IS	76.0	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
13C2-PFUnA	IS	77.6	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
d5-EtFOSAA	IS	80.1	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
13C2-PFDoA	IS	76.3	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1
13C2-PFTeDA	IS	70.3	20 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 07:11	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Station 11

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 11:00

Laboratory Data

Lab Sample: 2107035-02
Date Received: 01-Jul-21 09:32
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	6.98	0.729	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFPeA	2706-90-3	8.29	0.999	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFBS	375-73-5	4.66	0.785	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
4:2 FTS	757124-72-4	ND	1.10	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFHxA	307-24-4	12.0	1.15	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFPeS	2706-91-4	4.27	0.923	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFHpA	375-85-9	3.96	0.902	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFHxS	355-46-4	47.1	1.10	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
6:2 FTS	27619-97-2	3.15	0.984	2.04		B1G0066	18-Jul-21	0.245 L	03-Aug-21 07:36	1
PFOA	335-67-1	14.3	1.11	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFHpS	375-92-8	ND	2.52	2.55		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFNA	375-95-1	1.29	0.576	2.04	J, Q	B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFOSA	754-91-6	ND	1.38	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFOS	1763-23-1	34.8	1.09	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFDA	335-76-2	1.04	0.917	2.04	J	B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
8:2 FTS	39108-34-4	ND	2.28	2.29		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFNS	68259-12-1	ND	1.44	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
MeFOSAA	2355-31-9	ND	0.963	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
EtFOSAA	2991-50-6	ND	2.58	2.68		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFUnA	2058-94-8	ND	1.37	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFDS	335-77-3	ND	2.76	2.80		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFDoA	307-55-1	ND	0.800	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFTrDA	72629-94-8	ND	1.13	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
PFTeDA	376-06-7	ND	0.831	2.04		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	109	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
13C3-PFPeA	IS	94.3	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
13C3-PFBS	IS	90.0	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
13C2-4:2 FTS	IS	89.5	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
13C2-PFHxA	IS	92.1	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
13C4-PFHpA	IS	94.0	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
13C3-PFHxS	IS	87.6	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
13C2-6:2 FTS	IS	90.2	25 - 150		B1G0066	18-Jul-21	0.245 L	03-Aug-21 07:36	1
13C5-PFNA	IS	120	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
13C8-PFOSA	IS	75.8	10 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
13C2-PFOA	IS	91.2	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
13C8-PFOS	IS	98.0	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1

Sample ID: Station 11

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 11:00

Laboratory Data

Lab Sample: 2107035-02
Date Received: 01-Jul-21 09:32
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	81.7	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
13C2-8:2 FTS	IS	85.8	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
d3-MeFOSAA	IS	75.6	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
13C2-PFUnA	IS	82.7	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
d5-EtFOSAA	IS	83.0	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
13C2-PFDoA	IS	71.7	25 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1
13C2-PFTeDA	IS	68.3	20 - 150		B1G0066	18-Jul-21	0.245 L	30-Jul-21 07:21	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Outfall 21

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 12:35

Laboratory Data

Lab Sample: 2107035-03
Date Received: 01-Jul-21 09:32
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	90.1	0.723	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFPeA	2706-90-3	272	0.991	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFBS	375-73-5	238	0.779	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
4:2 FTS	757124-72-4	4.93	1.09	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFHxA	307-24-4	323	1.14	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFPeS	2706-91-4	300	0.915	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFHpA	375-85-9	84.4	0.895	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFHxS	355-46-4	1910	1.09	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
6:2 FTS	27619-97-2	1020	0.976	2.02		B1G0066	18-Jul-21	0.247 L	03-Aug-21 07:46	1
PFOA	335-67-1	210	1.10	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFHpS	375-92-8	86.6	2.50	2.53		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFNA	375-95-1	14.2	0.571	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFOSA	754-91-6	ND	1.36	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFOS	1763-23-1	4620	5.38	10.1	D	B1G0066	18-Jul-21	0.247 L	05-Aug-21 10:29	5
PFDA	335-76-2	2.08	0.910	2.02	Q	B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
8:2 FTS	39108-34-4	67.5	2.26	2.27		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFNS	68259-12-1	ND	1.43	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
MeFOSAA	2355-31-9	ND	0.955	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
EtFOSAA	2991-50-6	ND	2.56	2.65		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFUnA	2058-94-8	ND	1.36	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFDS	335-77-3	ND	2.73	2.78		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFDoA	307-55-1	ND	0.794	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFTrDA	72629-94-8	ND	1.12	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
PFTeDA	376-06-7	ND	0.824	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	106	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
13C3-PFPeA	IS	93.1	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
13C3-PFBS	IS	94.3	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
13C2-4:2 FTS	IS	90.0	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
13C2-PFHxA	IS	94.0	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
13C4-PFHpA	IS	99.2	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
13C3-PFHxS	IS	78.8	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
13C2-6:2 FTS	IS	83.5	25 - 150		B1G0066	18-Jul-21	0.247 L	03-Aug-21 07:46	1
13C5-PFNA	IS	110	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
13C8-PFOSA	IS	50.5	10 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
13C2-PFOA	IS	86.1	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
13C8-PFOS	IS	69.0	25 - 150	D	B1G0066	18-Jul-21	0.247 L	05-Aug-21 10:29	5

Sample ID: Outfall 21

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 12:35

Laboratory Data

Lab Sample: 2107035-03
Date Received: 01-Jul-21 09:32
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	89.6	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
13C2-8:2 FTS	IS	72.8	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
d3-MeFOSAA	IS	71.3	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
13C2-PFUnA	IS	72.9	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
d5-EtFOSAA	IS	74.7	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
13C2-PFDoA	IS	70.4	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1
13C2-PFTeDA	IS	55.1	20 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:32	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Outfall 21 DUP

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 12:40

Laboratory Data

Lab Sample: 2107035-04
Date Received: 01-Jul-21 09:32
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	64.6	0.726	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFPeA	2706-90-3	196	0.995	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFBS	375-73-5	171	0.781	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
4:2 FTS	757124-72-4	3.10	1.10	2.03	Q	B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFHxA	307-24-4	229	1.15	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFPeS	2706-91-4	217	0.918	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFHpA	375-85-9	62.7	0.898	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFHxS	355-46-4	1520	1.09	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
6:2 FTS	27619-97-2	735	0.979	2.03		B1G0066	18-Jul-21	0.246 L	03-Aug-21 07:57	1
PFOA	335-67-1	151	1.11	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFHpS	375-92-8	71.4	2.51	2.54		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFNA	375-95-1	10.4	0.573	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFOSA	754-91-6	ND	1.37	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFOS	1763-23-1	3120	5.40	10.1	D	B1G0066	18-Jul-21	0.246 L	05-Aug-21 10:40	5
PFDA	335-76-2	2.00	0.913	2.03	J	B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
8:2 FTS	39108-34-4	40.3	2.27	2.28		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFNS	68259-12-1	1.51	1.43	2.03	J	B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
MeFOSAA	2355-31-9	ND	0.959	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
EtFOSAA	2991-50-6	ND	2.57	2.66		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFUnA	2058-94-8	ND	1.37	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFDS	335-77-3	ND	2.75	2.79		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFDoA	307-55-1	ND	0.797	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFTrDA	72629-94-8	ND	1.12	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
PFTeDA	376-06-7	ND	0.827	2.03		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	116	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
13C3-PFPeA	IS	95.7	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
13C3-PFBS	IS	95.3	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
13C2-4:2 FTS	IS	90.2	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
13C2-PFHxA	IS	98.6	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
13C4-PFHpA	IS	99.5	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
13C3-PFHxS	IS	71.7	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
13C2-6:2 FTS	IS	86.8	25 - 150		B1G0066	18-Jul-21	0.246 L	03-Aug-21 07:57	1
13C5-PFNA	IS	114	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
13C8-PFOSA	IS	60.7	10 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
13C2-PFOA	IS	96.9	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
13C8-PFOS	IS	77.5	25 - 150	D	B1G0066	18-Jul-21	0.246 L	05-Aug-21 10:40	5

Sample ID: Outfall 21 DUP

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 12:40

Laboratory Data

Lab Sample: 2107035-04
Date Received: 01-Jul-21 09:32
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	92.2	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
13C2-8:2 FTS	IS	82.1	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
d3-MeFOSAA	IS	72.6	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
13C2-PFUnA	IS	77.7	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
d5-EtFOSAA	IS	75.4	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
13C2-PFDoA	IS	69.6	25 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1
13C2-PFTeDA	IS	50.2	20 - 150		B1G0066	18-Jul-21	0.246 L	30-Jul-21 07:42	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Station 10

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 13:35

Laboratory Data

Lab Sample: 2107035-05
Date Received: 01-Jul-21 09:32
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	37.6	0.723	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFPeA	2706-90-3	131	0.991	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFBS	375-73-5	81.5	0.779	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
4:2 FTS	757124-72-4	4.36	1.09	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFHxA	307-24-4	166	1.14	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFPeS	2706-91-4	97.7	0.915	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFHpA	375-85-9	44.9	0.895	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFHxS	355-46-4	802	1.09	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
6:2 FTS	27619-97-2	414	0.976	2.02		B1G0066	18-Jul-21	0.247 L	03-Aug-21 08:07	1
PFOA	335-67-1	162	1.10	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFHpS	375-92-8	37.0	2.50	2.53		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFNA	375-95-1	8.94	0.571	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFOSA	754-91-6	2.43	1.37	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFOS	1763-23-1	1960	1.08	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFDA	335-76-2	1.18	0.910	2.02	J	B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
8:2 FTS	39108-34-4	22.1	2.27	2.28		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFNS	68259-12-1	ND	1.43	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
MeFOSAA	2355-31-9	ND	0.956	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
EtFOSAA	2991-50-6	ND	2.56	2.65		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFUnA	2058-94-8	ND	1.36	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFDS	335-77-3	ND	2.74	2.78		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFDoA	307-55-1	ND	0.794	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFTrDA	72629-94-8	ND	1.12	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
PFTeDA	376-06-7	ND	0.824	2.02		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	39.6	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
13C3-PFPeA	IS	99.5	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
13C3-PFBS	IS	96.5	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
13C2-4:2 FTS	IS	73.9	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
13C2-PFHxA	IS	92.4	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
13C4-PFHpA	IS	96.7	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
13C3-PFHxS	IS	84.5	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
13C2-6:2 FTS	IS	85.9	25 - 150		B1G0066	18-Jul-21	0.247 L	03-Aug-21 08:07	1
13C5-PFNA	IS	114	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
13C8-PFOSA	IS	72.2	10 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
13C2-PFOA	IS	87.2	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
13C8-PFOS	IS	77.2	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1

Sample ID: Station 10

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 13:35

Laboratory Data

Lab Sample: 2107035-05
Date Received: 01-Jul-21 09:32
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	75.4	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
13C2-8:2 FTS	IS	71.8	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
d3-MeFOSAA	IS	70.8	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
13C2-PFUnA	IS	67.7	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
d5-EtFOSAA	IS	63.6	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
13C2-PFDoA	IS	61.5	25 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1
13C2-PFTeDA	IS	53.2	20 - 150		B1G0066	18-Jul-21	0.247 L	30-Jul-21 07:53	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Field Blank

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 13:45

Laboratory Data

Lab Sample: 2107035-06
Date Received: 01-Jul-21 09:32
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.719	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFPeA	2706-90-3	ND	0.985	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFBS	375-73-5	ND	0.774	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
4:2 FTS	757124-72-4	ND	1.09	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFHxA	307-24-4	ND	1.14	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFPeS	2706-91-4	ND	0.910	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFHpA	375-85-9	ND	0.889	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFHxS	355-46-4	ND	1.08	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
6:2 FTS	27619-97-2	ND	0.970	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFOA	335-67-1	ND	1.10	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFHpS	375-92-8	ND	2.48	2.51		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFNA	375-95-1	ND	0.568	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFOSA	754-91-6	ND	1.36	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFOS	1763-23-1	ND	1.07	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFDA	335-76-2	ND	0.905	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
8:2 FTS	39108-34-4	ND	2.25	2.26		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFNS	68259-12-1	ND	1.42	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
MeFOSAA	2355-31-9	ND	0.950	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
EtFOSAA	2991-50-6	ND	2.55	2.64		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFUnA	2058-94-8	ND	1.35	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFDS	335-77-3	ND	2.72	2.76		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFDoA	307-55-1	ND	0.789	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFTrDA	72629-94-8	ND	1.11	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
PFTeDA	376-06-7	ND	0.819	2.01		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	111	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C3-PFPeA	IS	98.2	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C3-PFBS	IS	98.4	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C2-4:2 FTS	IS	87.7	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C2-PFHxA	IS	93.0	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C4-PFHpA	IS	94.4	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C3-PFHxS	IS	90.2	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C2-6:2 FTS	IS	89.3	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C5-PFNA	IS	119	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C8-PFOSA	IS	53.5	10 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C2-PFOA	IS	91.7	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C8-PFOS	IS	101	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1

Sample ID: Field Blank

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 13:45

Laboratory Data

Lab Sample: 2107035-06
Date Received: 01-Jul-21 09:32
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	91.5	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C2-8:2 FTS	IS	74.7	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
d3-MeFOSAA	IS	79.4	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C2-PFUnA	IS	79.0	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
d5-EtFOSAA	IS	71.4	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C2-PFDoA	IS	74.8	25 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1
13C2-PFTeDA	IS	77.0	20 - 150		B1G0066	18-Jul-21	0.249 L	30-Jul-21 08:03	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Station 4A

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 14:10

Laboratory Data

Lab Sample: 2107035-07
Date Received: 01-Jul-21 09:32
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	12.9	0.748	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFPeA	2706-90-3	29.9	1.03	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFBS	375-73-5	16.4	0.806	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
4:2 FTS	757124-72-4	ND	1.13	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFHxA	307-24-4	32.4	1.18	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFPeS	2706-91-4	15.0	0.947	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFHpA	375-85-9	11.4	0.926	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFHxS	355-46-4	184	1.13	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
6:2 FTS	27619-97-2	54.8	1.01	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFOA	335-67-1	34.3	1.14	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFHpS	375-92-8	5.92	2.58	2.62		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFNA	375-95-1	2.15	0.591	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFOSA	754-91-6	ND	1.41	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFOS	1763-23-1	314	1.11	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFDA	335-76-2	ND	0.942	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
8:2 FTS	39108-34-4	4.41	2.34	2.35		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFNS	68259-12-1	ND	1.48	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
MeFOSAA	2355-31-9	ND	0.989	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
EtFOSAA	2991-50-6	ND	2.65	2.75		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFUnA	2058-94-8	ND	1.41	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFDS	335-77-3	ND	2.83	2.88		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFDoA	307-55-1	ND	0.822	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFTrDA	72629-94-8	ND	1.16	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
PFTeDA	376-06-7	ND	0.853	2.09		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.7	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C3-PFPeA	IS	88.1	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C3-PFBS	IS	94.7	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C2-4:2 FTS	IS	76.5	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C2-PFHxA	IS	94.1	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C4-PFHpA	IS	87.3	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C3-PFHxS	IS	76.9	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C2-6:2 FTS	IS	93.8	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C5-PFNA	IS	112	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C8-PFOSA	IS	66.8	10 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C2-PFOA	IS	91.8	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C8-PFOS	IS	79.1	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1

Sample ID: Station 4A

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 14:10

Laboratory Data

Lab Sample: 2107035-07
Date Received: 01-Jul-21 09:32
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	84.7	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C2-8:2 FTS	IS	68.2	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
d3-MeFOSAA	IS	70.7	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C2-PFUnA	IS	69.6	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
d5-EtFOSAA	IS	72.3	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C2-PFDoA	IS	72.6	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1
13C2-PFTeDA	IS	60.6	20 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:45	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Station 7

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 14:30

Laboratory Data

Lab Sample: 2107035-08
Date Received: 01-Jul-21 09:32
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	11.3	0.749	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFPeA	2706-90-3	18.8	1.03	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFBS	375-73-5	10.5	0.807	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
4:2 FTS	757124-72-4	ND	1.13	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFHxA	307-24-4	24.5	1.18	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFPeS	2706-91-4	12.5	0.948	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFHpA	375-85-9	8.73	0.927	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFHxS	355-46-4	105	1.13	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
6:2 FTS	27619-97-2	41.8	1.01	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFOA	335-67-1	23.5	1.14	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFHpS	375-92-8	ND	2.59	2.62		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFNA	375-95-1	2.06	0.592	2.10	J, Q	B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFOSA	754-91-6	ND	1.41	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFOS	1763-23-1	155	1.12	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFDA	335-76-2	0.947	0.943	2.10	J	B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
8:2 FTS	39108-34-4	ND	2.35	2.36		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFNS	68259-12-1	ND	1.48	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
MeFOSAA	2355-31-9	ND	0.990	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
EtFOSAA	2991-50-6	ND	2.66	2.75		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFUnA	2058-94-8	ND	1.41	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFDS	335-77-3	ND	2.83	2.88		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFDoA	307-55-1	ND	0.823	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFTrDA	72629-94-8	ND	1.16	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
PFTeDA	376-06-7	ND	0.854	2.10		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.4	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C3-PFPeA	IS	91.5	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C3-PFBS	IS	101	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C2-4:2 FTS	IS	86.9	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C2-PFHxA	IS	92.9	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C4-PFHpA	IS	92.5	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C3-PFHxS	IS	84.3	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C2-6:2 FTS	IS	83.1	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C5-PFNA	IS	104	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C8-PFOSA	IS	69.4	10 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C2-PFOA	IS	88.6	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C8-PFOS	IS	88.7	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1

Sample ID: Station 7

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling 25221127.00
Matrix: Water
Date Collected: 30-Jun-21 14:30

Laboratory Data

Lab Sample: 2107035-08
Date Received: 01-Jul-21 09:32
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	82.1	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C2-8:2 FTS	IS	72.4	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
d3-MeFOSAA	IS	73.6	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C2-PFUnA	IS	71.3	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
d5-EtFOSAA	IS	77.1	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C2-PFDoA	IS	70.6	25 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1
13C2-PFTeDA	IS	63.5	20 - 150		B1G0066	18-Jul-21	0.239 L	30-Jul-21 08:56	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

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	E87777-26
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	1980678
New Hampshire Environmental Accreditation Program	207720
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-016
Pennsylvania Department of Environmental Protection	017
Texas Commission on Environmental Quality	T104704189-21-12
Vermont Department of Health	VT-4042
Virginia Department of General Services	10769
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	EPA 537
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	EPA 537
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
Perfluorooctanesulonate (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	EPA 537
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	EPA 537
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

Vista Analytical Laboratory

CHAIN OF CUSTODY

For Laboratory Use Only
Work Order #: 2107035 Temp: 2.8 °C
Storage ID: R-13 WR-2 Storage Secured: Yes ☑ No ☐

Project ID: Mead & Hunt Airport Sampling 25221127.00 PO#: _____ Sampler: Ryan Matzuk (name)

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

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
Ryan Matzuk	6/30/21	1600	Karen Y. Aust	07/01/21	09:32

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

ATTN: _____

Method of Shipment: _____

Tracking No.: _____

Add Analysis(es) Requested

Sample ID	Date	Time	Location/ Sample Description	Container(s) 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	PFAS by Isotope Dilution PFOA/ PFOS	PFAS by Isotope Dilution UCMR3 PFAS List:6	PFAS by Isotope Dilution 537.1 List of 14	PFAS by Isotope Dilution 537.1 List of 18	EPA Method 537 (DW only)	Comments
Outfall 32	6/30	910		2	P	W				X							
Station 11	6/30	1100								X							
Outfall 21	6/30	1235								X							
Outfall 21 DUP	6/30	1240								X							
Station 10	6/30	1335								X							
Field Blank	6/30	1345								X							
Station 4A	6/30	1410								X							
Station 07	6/30	1430								X							

Special Instructions/Comment

SEND DOCUMENTATION AND RESULTS TO:

Name: Eric Oelkers
Company: SCS Engineers
Address: 2830 Dairy Dr.
City: Madison State: WI Zip: 53718
Phone: 608-444-3934
Email: EOelkers@scsengineers.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 _____

2107035 2.8°C

4.2.2 Analytical Parameters and Methods

Creek samples will be collected manually, as grab samples at each location. Each sample will be analyzed for appropriate PFAS compounds using Method 537 (Modified). Samples collected will be submitted to a certified, qualified Laboratory for analysis. Table 1 provides a summary of PFAS compounds to be analyzed and expected quantitation limits as provided by the laboratory.

Table 1. Summary of Stormwater Sampling PFAS Analytical Parameters.

Analyte Name	CAS#	Analyte	RL (ng/l)
Perfluorobutanoic acid	375-22-4	PFBA	6.9
Perfluoropentanoic acid	2706-90-3	PFPeA	3.4
Perfluorobutanesulfonic acid	375-73-5	PFBS	3.4
Perfluorohexanoic acid	307-24-4	PFHxA	3.4
Perfluoroheptanoic acid	375-85-9	PFHpA	3.4
Perfluorohexanesulfonoic acid	355-46-4	PFHxS	3.4
6:2 Fluorotelomer sulfonic acid	27619-97-2	6:2-FTS	6.9
Perfluorooctanoic acid	335-67-1	PFOA	3.4
Perfluoroheptanesulfonoic acid	375-92-8	PFHpS	3.4
Perfluorooctanesulfonic acid	1763-23-1	PFOS	3.4
Perfluorononanoic acid	375-95-1	PFNA	3.4
Perfluorodecanoic acid	335-76-2	PFDA	3.4
8:2 Fluorotelomer sulfonic acid	39108-34-4	8:2-FTS	6.9
Perfluorooctane sulfonamide	754-91-6	PFOSA	3.4
Perfluorodecanesulfonic acid	335-77-3	PFDS	3.4
Perfluoroundecanoic acid	2058-94-8	PFUnA/PFUdA	3.4
Perfluorododecanoic acid	307-55-1	PFDoA	3.4
Perfluorotridecanoic acid	72629-94-8	PFTrDA	3.4
Perfluorotetradecanoic acid	376-06-7	PFTeDA	3.4
N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	EtFOSAA	17.0
N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	MeFOSAA	17.0
4:2 Fluorotelomer sulfonic acid	757124-72-4	4:2-FTS	6.9
Perfluoropentane sulfonic acid	2706-91-4	PFPeS	3.4
Perfluorononane sulfonic acid	68259-12-1	PFNS	3.4

Vista Analytical Laboratory

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2107035 TAT STD

Samples Arrival:	**Date/Time** 07/01/21 09:32		**Initials:** 14		**Location:** WR-2 **Shelf/Rack:** N/A		
Delivered By:	(FedEx)	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	(Ice)		Blue Ice		Techni Ice	Dry Ice	None
Temp °C: 2.9 (uncorrected) **Temp °C:** 2.8 (corrected)			**Probe used: Y / (N)**		**Thermometer ID:** IR-4		

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			✓
Airbill ✓ Trk # 7741 4631 8874	✓		
Shipping Documentation Present?	✓		
Shipping Container: Vista / (Client) / Retain / (Return)		Dispose	
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	**Date/Time** 07/02/21 12:10	**Initials:** (CB)	**Location:** ~~R-13~~ WR-2 **Shelf/Rack:** A-4 F-6
COC Anomaly/Sample Acceptance Form completed?		✓	✓

Comments:

CoC/Label Reconciliation Report WO# 2107035

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2107035-01	A Outfall 32	☑ (A)		30-Jun-21 09:10	☑	HDPE Bottle, 250 mL	Aqueous	
2107035-01	B Outfall 32	☑		30-Jun-21 09:10	☐	HDPE Bottle, 250 mL	Aqueous	
2107035-02	A Station 11	☑		30-Jun-21 11:00	☑	HDPE Bottle, 250 mL	Aqueous	
2107035-02	B Station 11	☑		30-Jun-21 11:00	☑	HDPE Bottle, 250 mL	Aqueous	
2107035-03	A Outfall 21	☑		30-Jun-21 12:35	☑	HDPE Bottle, 250 mL	Aqueous	
2107035-03	B Outfall 21	☑		30-Jun-21 12:35	☑	HDPE Bottle, 250 mL	Aqueous	
2107035-04	A Outfall 21 DUP	☑		30-Jun-21 12:40	☑	HDPE Bottle, 250 mL	Aqueous	
2107035-04	B Outfall 21 DUP	☑		30-Jun-21 12:40	☑	HDPE Bottle, 250 mL	Aqueous	
2107035-05	A Station 10	☑		30-Jun-21 13:35	☑	HDPE Bottle, 250 mL	Aqueous	
2107035-05	B Station 10	☑		30-Jun-21 13:35	☑	HDPE Bottle, 250 mL	Aqueous	
2107035-06	A Field Blank	☑		30-Jun-21 13:45	☑	HDPE Bottle, 250 mL	Aqueous	
2107035-06	B Field Blank	☑		30-Jun-21 13:45	☑	HDPE Bottle, 250 mL	Aqueous	
2107035-07	A Station 4A	☑		30-Jun-21 14:10	☑	HDPE Bottle, 250 mL	Aqueous	
2107035-07	B Station 4A	☑		30-Jun-21 14:10	☑	HDPE Bottle, 250 mL	Aqueous	
2107035-08	A Station 7	☑		30-Jun-21 14:30	☑	HDPE Bottle, 250 mL	Aqueous	
2107035-08	B Station 7	☑		30-Jun-21 14:30	☑	HDPE Bottle, 250 mL	Aqueous	

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: Sample ID present under "Location" section of label.

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None (All) Other

Verified by/Date: [illegible] 07/08/21

August 11, 2021

Vista Work Order No. 2107131

Mr. Eric Oelkers
SCS Engineers
2830 Dairy Drive
Madison, WI 53718

Dear Mr. Oelkers,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on July 14, 2021 under your Project Name 'Mead & Hunt Airport Sampling / 25221127.00'.

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 mmaier@vista-analytical.com.

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

Sincerely,

for

Martha Maier
Laboratory Director

Vista Work Order No. 2107131
Case Narrative

Sample Condition on Receipt:

Eight 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 method temperature requirements.

Analytical Notes:

PFAS Isotope Dilution Method

The 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
2107131-06	Field Blank	PFAS Isotope Dilution Method	13C3-PFBA	H	155

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2107131-01	Outfall 32	13-Jul-21 09:45	14-Jul-21 09:34	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2107131-02	Station 11	13-Jul-21 10:00	14-Jul-21 09:34	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2107131-03	Outfall 21	13-Jul-21 10:15	14-Jul-21 09:34	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2107131-04	Outfall 21 DUP	13-Jul-21 10:16	14-Jul-21 09:34	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2107131-05	Station 10	13-Jul-21 10:30	14-Jul-21 09:34	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2107131-06	Field Blank	13-Jul-21 10:35	14-Jul-21 09:34	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2107131-07	Station 4A	13-Jul-21 10:55	14-Jul-21 09:34	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2107131-08	Station 7	13-Jul-21 11:10	14-Jul-21 09:34	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Aqueous

Laboratory Data

Lab Sample: B1G0106-BLK1
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.715	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFPeA	2706-90-3	ND	0.980	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFBS	375-73-5	ND	0.770	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
4:2 FTS	757124-72-4	ND	1.08	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFHxA	307-24-4	ND	1.13	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFPeS	2706-91-4	ND	0.905	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFHpA	375-85-9	ND	0.885	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFHxS	355-46-4	ND	1.08	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
6:2 FTS	27619-97-2	ND	0.965	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFOA	335-67-1	ND	1.09	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFHpS	375-92-8	ND	2.47	2.50		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFNA	375-95-1	ND	0.565	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFOSA	754-91-6	ND	1.35	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFOS	1763-23-1	ND	1.07	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFDA	335-76-2	ND	0.900	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
8:2 FTS	39108-34-4	ND	2.24	2.25		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFNS	68259-12-1	ND	1.41	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
MeFOSAA	2355-31-9	ND	0.945	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
EtFOSAA	2991-50-6	ND	2.54	2.63		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFUnA	2058-94-8	ND	1.35	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFDS	335-77-3	ND	2.71	2.75		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFDoA	307-55-1	ND	0.785	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFTrDA	72629-94-8	ND	1.11	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
PFTeDA	376-06-7	ND	0.815	2.00		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	146	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C3-PFPeA	IS	94.9	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C3-PFBS	IS	85.3	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C2-4:2 FTS	IS	80.4	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C2-PFHxA	IS	85.2	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C4-PFHpA	IS	87.2	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C3-PFHxS	IS	80.6	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C2-6:2 FTS	IS	73.9	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C5-PFNA	IS	88.3	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C8-PFOSA	IS	43.3	10 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C2-PFOA	IS	69.9	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C8-PFOS	IS	88.9	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C2-PFDA	IS	75.6	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Aqueous

Laboratory Data

Lab Sample: B1G0106-BLK1
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	87.6	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
d3-MeFOSAA	IS	72.6	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C2-PFUnA	IS	71.4	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
d5-EtFOSAA	IS	65.7	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C2-PFDoA	IS	73.0	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1
13C2-PFTeDA	IS	71.1	20 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:47	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Aqueous

Laboratory Data

Lab Sample: B1G0106-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	39.6	40.0	99.1	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFPeA	2706-90-3	40.5	40.0	101	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFBS	375-73-5	40.3	40.0	101	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
4:2 FTS	757124-72-4	38.9	40.0	97.4	60 - 145		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFHxA	307-24-4	39.1	40.0	97.7	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFPeS	2706-91-4	34.3	40.0	85.8	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFHpA	375-85-9	40.6	40.0	102	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFHxS	355-46-4	39.8	40.0	99.4	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
6:2 FTS	27619-97-2	42.1	40.0	105	60 - 140		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFOA	335-67-1	44.9	40.0	112	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFHpS	375-92-8	38.0	40.0	94.9	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFNA	375-95-1	46.3	40.0	116	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFOSA	754-91-6	39.4	40.0	98.5	65 - 140		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFOS	1763-23-1	42.6	40.0	107	65 - 140		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFDA	335-76-2	47.0	40.0	118	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
8:2 FTS	39108-34-4	42.3	40.0	106	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFNS	68259-12-1	45.5	40.0	114	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
MeFOSAA	2355-31-9	36.9	40.0	92.2	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
EtFOSAA	2991-50-6	33.5	40.0	83.8	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFUnA	2058-94-8	42.0	40.0	105	65 - 140		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFDS	335-77-3	38.1	40.0	95.3	50 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFDoA	307-55-1	46.6	40.0	117	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFTrDA	72629-94-8	41.2	40.0	103	60 - 140		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
PFTeDA	376-06-7	41.0	40.0	103	65 - 135		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	145	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C3-PFPeA	IS	92.0	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C3-PFBS	IS	86.4	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C2-4:2 FTS	IS	84.7	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C2-PFHxA	IS	88.3	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C4-PFHpA	IS	84.6	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C3-PFHxS	IS	83.4	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C2-6:2 FTS	IS	74.7	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C5-PFNA	IS	85.8	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C8-PFOSA	IS	49.2	10 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Aqueous

Laboratory Data

Lab Sample: B1G0106-BS1
Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFOA	IS	74.7	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C8-PFOS	IS	82.3	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C2-PFDA	IS	73.7	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C2-8:2 FTS	IS	72.7	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
d3-MeFOSAA	IS	75.8	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C2-PFUnA	IS	75.4	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
d5-EtFOSAA	IS	72.5	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C2-PFDoA	IS	72.7	25 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1
13C2-PFTeDA	IS	73.0	20 - 150		B1G0106	26-Jul-21	0.250 L	04-Aug-21 07:58	1

Sample ID: Outfall 32

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 09:45

Laboratory Data

Lab Sample: 2107131-01
Date Received: 14-Jul-21 09:34
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	27.1	0.724	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFPeA	2706-90-3	72.8	0.992	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFBS	375-73-5	28.3	0.780	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
4:2 FTS	757124-72-4	ND	1.09	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFHxA	307-24-4	73.3	1.14	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFPeS	2706-91-4	28.8	0.916	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFHpA	375-85-9	35.9	0.896	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFHxS	355-46-4	281	1.09	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
6:2 FTS	27619-97-2	71.3	0.977	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFOA	335-67-1	91.6	1.10	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFHpS	375-92-8	9.74	2.50	2.53		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFNA	375-95-1	4.75	0.572	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFOSA	754-91-6	ND	1.37	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFOS	1763-23-1	447	1.08	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFDA	335-76-2	1.00	0.911	2.02	J	B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
8:2 FTS	39108-34-4	11.5	2.27	2.28		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFNS	68259-12-1	ND	1.43	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
MeFOSAA	2355-31-9	ND	0.957	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
EtFOSAA	2991-50-6	ND	2.57	2.66		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFUnA	2058-94-8	ND	1.36	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFDS	335-77-3	ND	2.74	2.78		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFDoA	307-55-1	ND	0.795	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFTrDA	72629-94-8	ND	1.12	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
PFTeDA	376-06-7	ND	0.825	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	129	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C3-PFPeA	IS	90.2	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C3-PFBS	IS	82.2	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C2-4:2 FTS	IS	85.9	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C2-PFHxA	IS	90.1	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C4-PFHpA	IS	86.5	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C3-PFHxS	IS	83.5	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C2-6:2 FTS	IS	79.2	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C5-PFNA	IS	83.2	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C8-PFOSA	IS	52.7	10 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C2-PFOA	IS	83.3	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C8-PFOS	IS	88.1	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1

Sample ID: Outfall 32

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 09:45

Laboratory Data

Lab Sample: 2107131-01
Date Received: 14-Jul-21 09:34
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	79.6	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C2-8:2 FTS	IS	83.9	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
d3-MeFOSAA	IS	93.0	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C2-PFUnA	IS	71.0	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
d5-EtFOSAA	IS	78.2	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C2-PFDoA	IS	73.5	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1
13C2-PFTeDA	IS	76.6	20 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 09:22	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Station 11

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 10:00

Laboratory Data

Lab Sample: 2107131-02
Date Received: 14-Jul-21 09:34
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	8.93	0.731	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFPeA	2706-90-3	15.8	1.00	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFBS	375-73-5	5.84	0.787	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
4:2 FTS	757124-72-4	ND	1.10	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFHxA	307-24-4	16.9	1.15	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFPeS	2706-91-4	5.94	0.925	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFHpA	375-85-9	7.55	0.904	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFHxS	355-46-4	74.5	1.10	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
6:2 FTS	27619-97-2	6.52	0.986	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFOA	335-67-1	26.7	1.11	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFHpS	375-92-8	ND	2.52	2.55		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFNA	375-95-1	0.983	0.577	2.04	J, Q	B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFOSA	754-91-6	ND	1.38	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFOS	1763-23-1	51.1	1.09	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFDA	335-76-2	ND	0.920	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
8:2 FTS	39108-34-4	ND	2.29	2.30		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFNS	68259-12-1	ND	1.44	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
MeFOSAA	2355-31-9	ND	0.966	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
EtFOSAA	2991-50-6	ND	2.59	2.68		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFUnA	2058-94-8	ND	1.37	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFDS	335-77-3	ND	2.76	2.81		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFDoA	307-55-1	ND	0.802	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFTrDA	72629-94-8	ND	1.13	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
PFTeDA	376-06-7	ND	0.833	2.04		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	126	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C3-PFPeA	IS	92.8	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C3-PFBS	IS	86.8	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C2-4:2 FTS	IS	80.1	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C2-PFHxA	IS	90.6	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C4-PFHpA	IS	81.3	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C3-PFHxS	IS	85.9	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C2-6:2 FTS	IS	76.2	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C5-PFNA	IS	90.6	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C8-PFOSA	IS	63.5	10 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C2-PFOA	IS	83.5	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C8-PFOS	IS	85.6	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1

Sample ID: Station 11

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 10:00

Laboratory Data

Lab Sample: 2107131-02
Date Received: 14-Jul-21 09:34
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	80.0	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C2-8:2 FTS	IS	58.5	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
d3-MeFOSAA	IS	88.0	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C2-PFUnA	IS	72.7	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
d5-EtFOSAA	IS	83.0	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C2-PFDoA	IS	75.1	25 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1
13C2-PFTeDA	IS	64.7	20 - 150		B1G0106	26-Jul-21	0.245 L	04-Aug-21 09:32	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Outfall 21

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 10:15

Laboratory Data

Lab Sample: 2107131-03
Date Received: 14-Jul-21 09:34
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	352	0.736	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFPeA	2706-90-3	1200	1.01	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFBS	375-73-5	1080	0.793	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
4:2 FTS	757124-72-4	25.8	1.11	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFHxA	307-24-4	1330	1.16	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFPeS	2706-91-4	1350	0.932	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFHpA	375-85-9	405	0.911	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFHxS	355-46-4	10800	16.6	30.9	D	B1G0106	26-Jul-21	0.243 L	05-Aug-21 11:22	15
6:2 FTS	27619-97-2	3750	14.9	30.9	D	B1G0106	26-Jul-21	0.243 L	05-Aug-21 11:22	15
PFOA	335-67-1	869	1.12	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFHpS	375-92-8	902	2.54	2.57		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFNA	375-95-1	77.0	0.582	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFOSA	754-91-6	18.9	1.39	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFOS	1763-23-1	17700	16.4	30.9	D	B1G0106	26-Jul-21	0.243 L	05-Aug-21 11:22	15
PFDA	335-76-2	7.50	0.926	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
8:2 FTS	39108-34-4	352	2.31	2.32		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFNS	68259-12-1	10.8	1.45	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
MeFOSAA	2355-31-9	ND	0.973	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
EtFOSAA	2991-50-6	ND	2.61	2.70		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFUnA	2058-94-8	ND	1.38	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFDS	335-77-3	ND	2.78	2.83		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFDoA	307-55-1	ND	0.808	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFTrDA	72629-94-8	ND	1.14	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
PFTeDA	376-06-7	ND	0.839	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	127	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
13C3-PFPeA	IS	81.3	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
13C3-PFBS	IS	73.1	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
13C2-4:2 FTS	IS	76.9	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
13C2-PFHxA	IS	74.1	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
13C4-PFHpA	IS	70.0	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
13C3-PFHxS	IS	67.8	25 - 150	D	B1G0106	26-Jul-21	0.243 L	05-Aug-21 11:22	15
13C2-6:2 FTS	IS	88.7	25 - 150	D	B1G0106	26-Jul-21	0.243 L	05-Aug-21 11:22	15
13C5-PFNA	IS	74.1	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
13C8-PFOSA	IS	43.2	10 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
13C2-PFOA	IS	75.8	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
13C8-PFOS	IS	51.0	25 - 150	D	B1G0106	26-Jul-21	0.243 L	05-Aug-21 11:22	15

Sample ID: Outfall 21

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 10:15

Laboratory Data

Lab Sample: 2107131-03
Date Received: 14-Jul-21 09:34
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	79.6	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
13C2-8:2 FTS	IS	74.8	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
d3-MeFOSAA	IS	85.9	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
13C2-PFUnA	IS	74.1	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
d5-EtFOSAA	IS	73.7	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
13C2-PFDoA	IS	74.6	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1
13C2-PFTeDA	IS	74.6	20 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:43	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Outfall 21 DUP

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 10:16

Laboratory Data

Lab Sample: 2107131-04
Date Received: 14-Jul-21 09:34
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	348	0.736	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFPeA	2706-90-3	1200	1.01	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFBS	375-73-5	975	0.793	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
4:2 FTS	757124-72-4	21.5	1.11	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFHxA	307-24-4	1410	1.16	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFPeS	2706-91-4	1190	0.932	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFHpA	375-85-9	356	0.911	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFHxS	355-46-4	8000	11.1	20.6	D	B1G0106	26-Jul-21	0.243 L	05-Aug-21 11:32	10
6:2 FTS	27619-97-2	4840	9.94	20.6	D	B1G0106	26-Jul-21	0.243 L	05-Aug-21 11:32	10
PFOA	335-67-1	842	1.12	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFHpS	375-92-8	797	2.54	2.57		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFNA	375-95-1	73.3	0.582	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFOSA	754-91-6	21.1	1.39	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFOS	1763-23-1	17300	11.0	20.6	D	B1G0106	26-Jul-21	0.243 L	05-Aug-21 11:32	10
PFDA	335-76-2	7.34	0.927	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
8:2 FTS	39108-34-4	329	2.31	2.32		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFNS	68259-12-1	12.6	1.45	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
MeFOSAA	2355-31-9	ND	0.973	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
EtFOSAA	2991-50-6	ND	2.61	2.70		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFUnA	2058-94-8	ND	1.38	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFDS	335-77-3	ND	2.79	2.83		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFDoA	307-55-1	ND	0.808	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFTrDA	72629-94-8	ND	1.14	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
PFTeDA	376-06-7	ND	0.839	2.06		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	131	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
13C3-PFPeA	IS	80.6	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
13C3-PFBS	IS	78.5	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
13C2-4:2 FTS	IS	86.1	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
13C2-PFHxA	IS	72.1	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
13C4-PFHpA	IS	76.7	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
13C3-PFHxS	IS	97.5	25 - 150	D	B1G0106	26-Jul-21	0.243 L	05-Aug-21 11:32	10
13C2-6:2 FTS	IS	73.0	25 - 150	D	B1G0106	26-Jul-21	0.243 L	05-Aug-21 11:32	10
13C5-PFNA	IS	77.5	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
13C8-PFOSA	IS	40.2	10 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
13C2-PFOA	IS	70.5	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
13C8-PFOS	IS	54.0	25 - 150	D	B1G0106	26-Jul-21	0.243 L	05-Aug-21 11:32	10

Sample ID: Outfall 21 DUP

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 10:16

Laboratory Data

Lab Sample: 2107131-04
Date Received: 14-Jul-21 09:34
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	79.6	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
13C2-8:2 FTS	IS	79.6	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
d3-MeFOSAA	IS	85.5	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
13C2-PFUnA	IS	79.2	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
d5-EtFOSAA	IS	75.7	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
13C2-PFDoA	IS	75.4	25 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1
13C2-PFTeDA	IS	79.1	20 - 150		B1G0106	26-Jul-21	0.243 L	04-Aug-21 09:53	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Station 10

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 10:30

Laboratory Data

Lab Sample: 2107131-05
Date Received: 14-Jul-21 09:34
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	88.0	0.712	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFPeA	2706-90-3	294	0.976	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFBS	375-73-5	200	0.767	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
4:2 FTS	757124-72-4	9.89	1.08	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFHxA	307-24-4	367	1.13	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFPeS	2706-91-4	215	0.901	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFHpA	375-85-9	97.9	0.881	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFHxS	355-46-4	2440	5.35	9.96	D	B1G0106	26-Jul-21	0.251 L	05-Aug-21 11:43	5
6:2 FTS	27619-97-2	742	0.961	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFOA	335-67-1	305	1.09	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFHpS	375-92-8	73.9	2.46	2.49		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFNA	375-95-1	14.7	0.563	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFOSA	754-91-6	2.06	1.34	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFOS	1763-23-1	2650	5.30	9.96	D	B1G0106	26-Jul-21	0.251 L	05-Aug-21 11:43	5
PFDA	335-76-2	0.966	0.896	1.99	J, Q	B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
8:2 FTS	39108-34-4	23.0	2.23	2.24		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFNS	68259-12-1	ND	1.40	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
MeFOSAA	2355-31-9	ND	0.941	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
EtFOSAA	2991-50-6	ND	2.52	2.61		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFUnA	2058-94-8	ND	1.34	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFDS	335-77-3	ND	2.69	2.74		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFDoA	307-55-1	ND	0.782	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFTrDA	72629-94-8	ND	1.10	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
PFTeDA	376-06-7	ND	0.811	1.99		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	134	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
13C3-PFPeA	IS	94.7	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
13C3-PFBS	IS	85.7	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
13C2-4:2 FTS	IS	88.5	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
13C2-PFHxA	IS	85.0	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
13C4-PFHpA	IS	84.7	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
13C3-PFHxS	IS	72.0	25 - 150	D	B1G0106	26-Jul-21	0.251 L	05-Aug-21 11:43	5
13C2-6:2 FTS	IS	84.2	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
13C5-PFNA	IS	88.3	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
13C8-PFOSA	IS	51.9	10 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
13C2-PFOA	IS	82.6	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
13C8-PFOS	IS	79.0	25 - 150	D	B1G0106	26-Jul-21	0.251 L	05-Aug-21 11:43	5

Sample ID: Station 10

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 10:30

Laboratory Data

Lab Sample: 2107131-05
Date Received: 14-Jul-21 09:34
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	84.3	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
13C2-8:2 FTS	IS	73.5	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
d3-MeFOSAA	IS	89.6	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
13C2-PFUnA	IS	75.1	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
d5-EtFOSAA	IS	90.1	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
13C2-PFDoA	IS	72.4	25 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1
13C2-PFTeDA	IS	73.4	20 - 150		B1G0106	26-Jul-21	0.251 L	04-Aug-21 10:35	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Field Blank

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 10:35

Laboratory Data

Lab Sample: 2107131-06
Date Received: 14-Jul-21 09:34
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.718	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFPeA	2706-90-3	ND	0.985	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFBS	375-73-5	ND	0.774	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
4:2 FTS	757124-72-4	ND	1.09	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFHxA	307-24-4	ND	1.14	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFPeS	2706-91-4	ND	0.909	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFHpA	375-85-9	ND	0.889	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFHxS	355-46-4	ND	1.08	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
6:2 FTS	27619-97-2	ND	0.970	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFOA	335-67-1	ND	1.10	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFHpS	375-92-8	ND	2.48	2.51		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFNA	375-95-1	ND	0.568	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFOSA	754-91-6	ND	1.36	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFOS	1763-23-1	ND	1.07	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFDA	335-76-2	ND	0.904	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
8:2 FTS	39108-34-4	ND	2.25	2.26		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFNS	68259-12-1	ND	1.42	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
MeFOSAA	2355-31-9	ND	0.950	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
EtFOSAA	2991-50-6	ND	2.55	2.64		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFUnA	2058-94-8	ND	1.35	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFDS	335-77-3	ND	2.72	2.76		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFDoA	307-55-1	ND	0.789	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFTrDA	72629-94-8	ND	1.11	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
PFTeDA	376-06-7	ND	0.819	2.01		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	155	25 - 150	H	B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C3-PFPeA	IS	93.5	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C3-PFBS	IS	87.8	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C2-4:2 FTS	IS	91.2	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C2-PFHxA	IS	84.8	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C4-PFHpA	IS	88.0	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C3-PFHxS	IS	91.1	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C2-6:2 FTS	IS	89.7	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C5-PFNA	IS	90.4	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C8-PFOSA	IS	49.7	10 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C2-PFOA	IS	82.1	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C8-PFOS	IS	92.0	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1

Sample ID: Field Blank

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 10:35

Laboratory Data

Lab Sample: 2107131-06
Date Received: 14-Jul-21 09:34
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	79.5	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C2-8:2 FTS	IS	80.6	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
d3-MeFOSAA	IS	82.0	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C2-PFUnA	IS	80.2	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
d5-EtFOSAA	IS	71.2	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C2-PFDoA	IS	76.7	25 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1
13C2-PFTeDA	IS	75.4	20 - 150		B1G0106	26-Jul-21	0.249 L	04-Aug-21 10:46	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Station 4A

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 10:55

Laboratory Data

Lab Sample: 2107131-07
Date Received: 14-Jul-21 09:34
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	22.1	0.702	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFPeA	2706-90-3	65.8	0.962	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFBS	375-73-5	38.9	0.756	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
4:2 FTS	757124-72-4	1.68	1.06	1.96	J	B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFHxA	307-24-4	86.1	1.11	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFPeS	2706-91-4	40.4	0.889	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFHpA	375-85-9	23.6	0.869	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFHxS	355-46-4	408	1.06	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
6:2 FTS	27619-97-2	140	0.947	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFOA	335-67-1	81.6	1.07	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFHpS	375-92-8	10.8	2.43	2.45		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFNA	375-95-1	3.42	0.555	1.96	Q	B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFOSA	754-91-6	ND	1.33	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFOS	1763-23-1	581	1.05	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFDA	335-76-2	ND	0.884	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
8:2 FTS	39108-34-4	4.16	2.20	2.21		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFNS	68259-12-1	ND	1.38	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
MeFOSAA	2355-31-9	ND	0.928	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
EtFOSAA	2991-50-6	ND	2.49	2.58		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFUnA	2058-94-8	ND	1.32	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFDS	335-77-3	ND	2.66	2.70		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFDoA	307-55-1	ND	0.771	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFTrDA	72629-94-8	ND	1.08	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
PFTeDA	376-06-7	ND	0.800	1.96		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	121	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C3-PFPeA	IS	95.1	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C3-PFBS	IS	87.3	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C2-4:2 FTS	IS	80.6	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C2-PFHxA	IS	83.4	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C4-PFHpA	IS	81.6	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C3-PFHxS	IS	88.2	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C2-6:2 FTS	IS	84.6	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C5-PFNA	IS	85.2	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C8-PFOSA	IS	53.0	10 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C2-PFOA	IS	75.8	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C8-PFOS	IS	78.8	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1

Sample ID: Station 4A

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 10:55

Laboratory Data

Lab Sample: 2107131-07
Date Received: 14-Jul-21 09:34
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	75.9	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C2-8:2 FTS	IS	74.9	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
d3-MeFOSAA	IS	79.9	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C2-PFUnA	IS	73.5	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
d5-EtFOSAA	IS	74.9	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C2-PFDoA	IS	66.9	25 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1
13C2-PFTeDA	IS	65.0	20 - 150		B1G0106	26-Jul-21	0.255 L	04-Aug-21 10:56	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Station 7

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 11:10

Laboratory Data

Lab Sample: 2107131-08
Date Received: 14-Jul-21 09:34
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	15.5	0.724	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFPeA	2706-90-3	40.5	0.992	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFBS	375-73-5	24.6	0.779	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
4:2 FTS	757124-72-4	ND	1.09	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFHxA	307-24-4	48.3	1.14	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFPeS	2706-91-4	20.5	0.916	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFHpA	375-85-9	16.3	0.896	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFHxS	355-46-4	211	1.09	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
6:2 FTS	27619-97-2	55.6	0.976	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFOA	335-67-1	47.2	1.10	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFHpS	375-92-8	5.63	2.50	2.53		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFNA	375-95-1	1.87	0.572	2.02	J, Q	B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFOSA	754-91-6	ND	1.37	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFOS	1763-23-1	256	1.08	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFDA	335-76-2	ND	0.911	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
8:2 FTS	39108-34-4	ND	2.27	2.28		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFNS	68259-12-1	ND	1.43	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
MeFOSAA	2355-31-9	ND	0.956	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
EtFOSAA	2991-50-6	ND	2.57	2.66		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFUnA	2058-94-8	ND	1.36	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFDS	335-77-3	ND	2.74	2.78		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFDoA	307-55-1	ND	0.794	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFTrDA	72629-94-8	ND	1.12	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
PFTeDA	376-06-7	ND	0.825	2.02		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	122	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C3-PFPeA	IS	95.0	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C3-PFBS	IS	85.9	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C2-4:2 FTS	IS	83.5	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C2-PFHxA	IS	89.1	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C4-PFHpA	IS	87.0	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C3-PFHxS	IS	94.4	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C2-6:2 FTS	IS	81.3	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C5-PFNA	IS	92.3	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C8-PFOSA	IS	62.2	10 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C2-PFOA	IS	81.9	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C8-PFOS	IS	86.4	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1

Sample ID: Station 7 **PFAS Isotope Dilution Method**

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport Sampling / 25221127.00
Matrix: Water
Date Collected: 13-Jul-21 11:10

Laboratory Data

Lab Sample: 2107131-08
Date Received: 14-Jul-21 09:34
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	75.7	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C2-8:2 FTS	IS	81.8	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
d3-MeFOSAA	IS	69.4	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C2-PFUnA	IS	74.1	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
d5-EtFOSAA	IS	74.5	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C2-PFDoA	IS	70.2	25 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1
13C2-PFTeDA	IS	58.7	20 - 150		B1G0106	26-Jul-21	0.247 L	04-Aug-21 11:07	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

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	E87777-26
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	1980678
New Hampshire Environmental Accreditation Program	207720
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-016
Pennsylvania Department of Environmental Protection	017
Texas Commission on Environmental Quality	T104704189-21-12
Vermont Department of Health	VT-4042
Virginia Department of General Services	10769
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	EPA 537
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	EPA 537
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
Perfluorooctanesulonate (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	EPA 537
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	EPA 537
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

Vista Analytical Laboratory

CHAIN OF CUSTODY

For Laboratory Use Only
Work Order #: 2107131 Temp: 1.2 °C
Storage ID: R-13 WI-2 Storage Secured: Yes ☑ No ☐

Project ID: Mead & Hunt Airport Sampling 25221127.00 PO#: _____ Sampler: Ryan Matzuk (name)

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

Ryan Matzuk	7/13/21	1330	Justin Briseno	07/14/21	0934
Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time

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

ATTN: _____

Method of Shipment: _____

Tracking No.: _____

Add Analysis(es) Requested

Sample ID	Date	Time	Location/ Sample Description	Container(s) Quantity	Type	Matrix	PFAS by Isotope Dilution: PFOA/ PFOS	UCMR3 PFAS List:6	537.1 List: 14 or 18 (Circle One)	EPA Draft List of 24	OTHER: Please attach analyte list	EPA Method 537 (DW only): PFOA/ PFOS	UCMR3 PFAS List:6	537.1 List of 14	537.1 List of 18	Comments
Outfall 32	7/13/21	945		2	P	W				X						
Station 11		1000								X						
Outfall 21		1015								X						
Outfall 21 Dup		1016								X						
Station 10		1030								X						
Field Blank		1035								X						
Station 4A		1055								X						
Station 7	↓	1110		↓	↓	↓				X						

Special Instructions/Comment

SEND DOCUMENTATION AND RESULTS TO:

Name: Eric Oelkers
Company: SCS Engineers
Address: 2830 Dairy Dr
City: Madison State: WI Zip: 53718
Phone: 608-444-3934
Email: EOelkers@scsengineers

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 _____

4.2.2 Analytical Parameters and Methods

Creek samples will be collected manually, as grab samples at each location. Each sample will be analyzed for appropriate PFAS compounds using Method 537 (Modified). Samples collected will be submitted to a certified, qualified Laboratory for analysis. Table 1 provides a summary of PFAS compounds to be analyzed and expected quantitation limits as provided by the laboratory.

Table 1. Summary of Stormwater Sampling PFAS Analytical Parameters.

Analyte Name	CAS#	Analyte	RL (ng/l)
Perfluorobutanoic acid	375-22-4	PFBA	6.9
Perfluoropentanoic acid	2706-90-3	PFPeA	3.4
Perfluorobutanesulfonic acid	375-73-5	PFBS	3.4
Perfluorohexanoic acid	307-24-4	PFHxA	3.4
Perfluoroheptanoic acid	375-85-9	PFHpA	3.4
Perfluorohexanesulfonoic acid	355-46-4	PFHxS	3.4
6:2 Fluorotelomer sulfonic acid	27619-97-2	6:2-FTS	6.9
Perfluorooctanoic acid	335-67-1	PFOA	3.4
Perfluoroheptanesulfonoic acid	375-92-8	PFHpS	3.4
Perfluorooctanesulfonic acid	1763-23-1	PFOS	3.4
Perfluorononanoic acid	375-95-1	PFNA	3.4
Perfluorodecanoic acid	335-76-2	PFDA	3.4
8:2 Fluorotelomer sulfonic acid	39108-34-4	8:2-FTS	6.9
Perfluorooctane sulfonamide	754-91-6	PFOSA	3.4
Perfluorodecanesulfonic acid	335-77-3	PFDS	3.4
Perfluoroundecanoic acid	2058-94-8	PFUnA/PFUdA	3.4
Perfluorododecanoic acid	307-55-1	PFDoA	3.4
Perfluorotridecanoic acid	72629-94-8	PFTrDA	3.4
Perfluorotetradecanoic acid	376-06-7	PFTeDA	3.4
N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	EtFOSAA	17.0
N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	MeFOSAA	17.0
4:2 Fluorotelomer sulfonic acid	757124-72-4	4:2-FTS	6.9
Perfluoropentane sulfonic acid	2706-91-4	PFPeS	3.4
Perfluorononane sulfonic acid	68259-12-1	PFNS	3.4

Vista Analytical Laboratory

Sample Log-In Checklist

Vista Work Order #: 2107131 TAT STD

Samples Arrival:	**Date/Time** 07/14/21 0934		**Initials:**		**Location:** WR-2 **Shelf/Rack:** N/A		
Delivered By:	(FedEx)	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	(Ice)		Blue Ice		Techni Ice	Dry Ice	None
Temp °C: 1.3 (uncorrected) **Temp °C:** 1.2 (corrected)			**Probe used: Y / (N)**		**Thermometer ID:** IR-3		

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?		✓	✓
Airbill — Trk # 7742 4689 9830	✓		
Shipping Documentation Present?	✓		
Shipping Container: (Vista) Client (Retain) Return Dispose			
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	**Date/Time** 07/15/21 13:02	**Initials:**	**Location:** R-13 WR-2 **Shelf/Rack:** A-1 E-4
COC Anomaly/Sample Acceptance Form completed?		-	-

Comments:

CoC/Label Reconciliation Report WO# 2107131

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2107131-01	A Outfall 32	☑		13-Jul-21 09:45	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-01	B Outfall 32	☑		13-Jul-21 09:45	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-02	A Station 11	☑		13-Jul-21 10:00	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-02	B Station 11	☑		13-Jul-21 10:00	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-03	A Outfall 21	☑		13-Jul-21 10:15	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-03	B Outfall 21	☑		13-Jul-21 10:15	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-04	A Outfall 21 DUP	☑		13-Jul-21 10:16	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-04	B Outfall 21 DUP	☑		13-Jul-21 10:16	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-05	A Station 10	☑		13-Jul-21 10:30	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-05	B Station 10	☑		13-Jul-21 10:30	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-06	A Field Blank	☑		13-Jul-21 10:35	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-06	B Field Blank	☑		13-Jul-21 10:35	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-07	A Station 4A	☑		13-Jul-21 10:55	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-07	B Station 4A	☑		13-Jul-21 10:55	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-08	A Station 7	☑		13-Jul-21 11:10	☑	HDPE Bottle, 250 mL	Aqueous	
2107131-08	B Station 7	☑		13-Jul-21 11:10	☑	HDPE Bottle, 250 mL	Aqueous	

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:

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None All Other

Verifed by/Date: 07/15/21

September 28, 2021

Vista Work Order No. 2108031

Mr. Eric Oelkers
SCS Engineers
2830 Dairy Drive
Madison, WI 53718

Dear Mr. Oelkers,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on August 04, 2021 under your Project Name 'Mead & Hunt Airport PFAS Sampling / 25221127.00'.

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 Work Order No. 2108031
Case Narrative

Sample Condition on Receipt:

Eight aqueous 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

Samples "Outfall 21" and "Outfall 21 DUP" contained particulate and were centrifuged prior to extraction.

The 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
2108031-03	Outfall 21	PFAS Isotope Dilution Method	13C3-PFHxS	H	209
2108031-03	Outfall 21	PFAS Isotope Dilution Method	13C2-6:2 FTS	H	210
2108031-03	Outfall 21	PFAS Isotope Dilution Method	13C8-PFOS	H	180
2108031-04	Outfall 21 DUP	PFAS Isotope Dilution Method	13C3-PFHxS	H	159
2108031-04	Outfall 21 DUP	PFAS Isotope Dilution Method	13C2-6:2 FTS	H	294

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2108031-01	Outfall 32	03-Aug-21 09:25	04-Aug-21 12:19	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2108031-02	Station 11	03-Aug-21 09:50	04-Aug-21 12:19	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2108031-03	Outfall 21	03-Aug-21 10:00	04-Aug-21 12:19	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2108031-04	Outfall 21 DUP	03-Aug-21 10:00	04-Aug-21 12:19	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2108031-05	Station 10	03-Aug-21 10:10	04-Aug-21 12:19	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2108031-06	Field Blank	03-Aug-21 10:15	04-Aug-21 12:19	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2108031-07	Station 4A	03-Aug-21 10:35	04-Aug-21 12:19	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2108031-08	Station 7	03-Aug-21 11:00	04-Aug-21 12:19	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous

Laboratory Data

Lab Sample: B1H0030-BLK1
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.715	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFPeA	2706-90-3	ND	0.980	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFBS	375-73-5	ND	0.770	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
4:2 FTS	757124-72-4	ND	1.08	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFHxA	307-24-4	ND	1.13	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFPeS	2706-91-4	ND	0.905	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFHpA	375-85-9	ND	0.885	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFHxS	355-46-4	ND	1.08	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
6:2 FTS	27619-97-2	ND	0.965	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFOA	335-67-1	ND	1.09	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFHpS	375-92-8	ND	2.47	2.50		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFNA	375-95-1	ND	0.565	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFOSA	754-91-6	ND	1.35	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFOS	1763-23-1	ND	1.07	4.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFDA	335-76-2	ND	0.900	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
8:2 FTS	39108-34-4	ND	2.24	2.25		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFNS	68259-12-1	ND	1.41	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
MeFOSAA	2355-31-9	ND	0.945	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
EtFOSAA	2991-50-6	ND	2.54	2.63		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFUnA	2058-94-8	ND	1.35	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFDS	335-77-3	ND	2.71	2.75		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFDoA	307-55-1	ND	0.785	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFTrDA	72629-94-8	ND	1.11	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
PFTeDA	376-06-7	ND	0.815	2.00		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	103	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C3-PFPeA	IS	64.0	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C3-PFBS	IS	60.2	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C2-4:2 FTS	IS	42.4	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C2-PFHxA	IS	56.8	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C4-PFHpA	IS	58.2	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C3-PFHxS	IS	47.4	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C2-6:2 FTS	IS	50.7	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C5-PFNA	IS	58.6	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C8-PFOSA	IS	31.5	10 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C2-PFOA	IS	56.5	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C8-PFOS	IS	47.2	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C2-PFDA	IS	53.3	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous

Laboratory Data

Lab Sample: B1H0030-BLK1
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	43.4	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
d3-MeFOSAA	IS	53.3	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C2-PFUnA	IS	44.5	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
d5-EtFOSAA	IS	42.3	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C2-PFDoA	IS	44.1	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1
13C2-PFTeDA	IS	46.5	20 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:22	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.(
Matrix: Aqueous

Laboratory Data

Lab Sample: B1H0030-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	39.6	40.0	98.9	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFPeA	2706-90-3	44.4	40.0	111	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFBS	375-73-5	36.3	40.0	90.7	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
4:2 FTS	757124-72-4	40.5	40.0	101	60 - 145		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFHxA	307-24-4	39.4	40.0	98.4	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFPeS	2706-91-4	35.6	40.0	89.1	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFHpA	375-85-9	38.4	40.0	96.1	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFHxS	355-46-4	45.3	40.0	113	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
6:2 FTS	27619-97-2	40.1	40.0	100	60 - 140		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFOA	335-67-1	43.8	40.0	110	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFHpS	375-92-8	44.6	40.0	112	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFNA	375-95-1	48.0	40.0	120	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFOSA	754-91-6	43.4	40.0	108	65 - 140		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFOS	1763-23-1	45.2	40.0	113	65 - 140		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFDA	335-76-2	47.8	40.0	120	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
8:2 FTS	39108-34-4	31.2	40.0	78.0	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFNS	68259-12-1	38.4	40.0	96.1	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
MeFOSAA	2355-31-9	47.6	40.0	119	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
EtFOSAA	2991-50-6	41.0	40.0	102	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFUnA	2058-94-8	41.1	40.0	103	65 - 140		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFDS	335-77-3	43.3	40.0	108	50 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFDoA	307-55-1	40.6	40.0	102	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFTrDA	72629-94-8	45.0	40.0	112	60 - 140		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
PFTeDA	376-06-7	49.6	40.0	124	65 - 135		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	112	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C3-PFPeA	IS	72.2	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C3-PFBS	IS	66.3	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C2-4:2 FTS	IS	49.2	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C2-PFHxA	IS	59.8	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C4-PFHpA	IS	64.3	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C3-PFHxS	IS	53.3	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C2-6:2 FTS	IS	65.1	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C5-PFNA	IS	57.4	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C8-PFOSA	IS	42.0	10 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.(
Matrix: Aqueous

Laboratory Data

Lab Sample: B1H0030-BS1
Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFOA	IS	62.2	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C8-PFOS	IS	51.0	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C2-PFDA	IS	58.7	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C2-8:2 FTS	IS	57.6	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
d3-MeFOSAA	IS	63.5	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C2-PFUnA	IS	55.8	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
d5-EtFOSAA	IS	45.9	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C2-PFDoA	IS	42.6	25 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1
13C2-PFTeDA	IS	49.5	20 - 150		B1H0030	23-Aug-21	0.250 L	26-Aug-21 13:33	1

Sample ID: Outfall 32

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 09:25

Laboratory Data

Lab Sample: 2108031-01
Date Received: 04-Aug-21 12:19
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	27.4	0.720	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFPeA	2706-90-3	67.6	0.987	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFBS	375-73-5	26.7	0.775	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
4:2 FTS	757124-72-4	ND	1.09	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFHxA	307-24-4	78.9	1.14	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFPeS	2706-91-4	28.2	0.911	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFHpA	375-85-9	40.3	0.891	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFHxS	355-46-4	241	1.08	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
6:2 FTS	27619-97-2	52.7	0.972	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFOA	335-67-1	88.5	1.10	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFHpS	375-92-8	9.91	2.49	2.52		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFNA	375-95-1	ND	0.569	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFOSA	754-91-6	ND	1.36	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFOS	1763-23-1	450	1.07	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFDA	335-76-2	ND	0.906	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
8:2 FTS	39108-34-4	8.12	2.26	2.27		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFNS	68259-12-1	ND	1.42	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
MeFOSAA	2355-31-9	ND	0.952	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
EtFOSAA	2991-50-6	ND	2.55	2.64		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFUnA	2058-94-8	ND	1.35	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFDS	335-77-3	ND	2.72	2.77		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFDoA	307-55-1	ND	0.791	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFTrDA	72629-94-8	ND	1.11	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
PFTeDA	376-06-7	ND	0.821	2.01		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	102	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C3-PFPeA	IS	100	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C3-PFBS	IS	89.1	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C2-4:2 FTS	IS	80.4	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C2-PFHxA	IS	76.4	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C4-PFHpA	IS	80.6	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C3-PFHxS	IS	86.8	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C2-6:2 FTS	IS	88.6	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C5-PFNA	IS	80.9	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C8-PFOSA	IS	47.9	10 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C2-PFOA	IS	83.3	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C8-PFOS	IS	81.6	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1

Sample ID: Outfall 32

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 09:25

Laboratory Data

Lab Sample: 2108031-01
Date Received: 04-Aug-21 12:19
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	76.4	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C2-8:2 FTS	IS	82.8	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
d3-MeFOSAA	IS	83.8	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C2-PFUnA	IS	72.6	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
d5-EtFOSAA	IS	75.4	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C2-PFDoA	IS	73.1	25 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1
13C2-PFTeDA	IS	67.7	20 - 150		B1H0030	23-Aug-21	0.248 L	14-Sep-21 17:50	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Station 11

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 09:50

Laboratory Data

Lab Sample: 2108031-02
Date Received: 04-Aug-21 12:19
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	12.3	0.771	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFPeA	2706-90-3	15.7	1.06	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFBS	375-73-5	8.60	0.831	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
4:2 FTS	757124-72-4	ND	1.17	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFHxA	307-24-4	20.3	1.22	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFPeS	2706-91-4	4.64	0.976	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFHpA	375-85-9	ND	0.955	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFHxS	355-46-4	65.0	1.16	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
6:2 FTS	27619-97-2	ND	1.04	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFOA	335-67-1	30.3	1.18	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFHpS	375-92-8	ND	2.66	2.70		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFNA	375-95-1	ND	0.610	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFOSA	754-91-6	ND	1.46	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFOS	1763-23-1	27.7	1.15	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFDA	335-76-2	ND	0.971	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
8:2 FTS	39108-34-4	ND	2.42	2.43		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFNS	68259-12-1	ND	1.52	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
MeFOSAA	2355-31-9	ND	1.02	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
EtFOSAA	2991-50-6	ND	2.73	2.83		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFUnA	2058-94-8	ND	1.45	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFDS	335-77-3	ND	2.92	2.97		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFDoA	307-55-1	ND	0.847	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFTrDA	72629-94-8	ND	1.19	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
PFTeDA	376-06-7	ND	0.879	2.16		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.8	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C3-PFPeA	IS	95.1	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C3-PFBS	IS	86.0	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C2-4:2 FTS	IS	84.0	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C2-PFHxA	IS	79.6	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C4-PFHpA	IS	77.1	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C3-PFHxS	IS	88.7	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C2-6:2 FTS	IS	85.4	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C5-PFNA	IS	73.1	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C8-PFOSA	IS	42.8	10 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C2-PFOA	IS	78.8	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C8-PFOS	IS	73.3	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1

Sample ID: Station 11

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 09:50

Laboratory Data

Lab Sample: 2108031-02
Date Received: 04-Aug-21 12:19
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	77.9	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C2-8:2 FTS	IS	89.5	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
d3-MeFOSAA	IS	85.0	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C2-PFUnA	IS	70.0	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
d5-EtFOSAA	IS	77.0	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C2-PFDoA	IS	64.2	25 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1
13C2-PFTeDA	IS	56.0	20 - 150		B1H0030	23-Aug-21	0.232 L	14-Sep-21 18:01	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Outfall 21

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 10:00

Laboratory Data

Lab Sample: 2108031-03
Date Received: 04-Aug-21 12:19
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	352	0.749	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFPeA	2706-90-3	1160	1.03	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFBS	375-73-5	1020	0.807	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
4:2 FTS	757124-72-4	21.6	1.13	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFHxA	307-24-4	1730	1.18	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFPeS	2706-91-4	1590	0.948	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFHpA	375-85-9	431	0.927	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFHxS	355-46-4	7710	22.5	41.9	D	B1H0030	23-Aug-21	0.239 L	14-Sep-21 18:11	20
6:2 FTS	27619-97-2	3590	20.2	41.9	D	B1H0030	23-Aug-21	0.239 L	14-Sep-21 18:11	20
PFOA	335-67-1	978	1.14	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFHpS	375-92-8	668	2.59	2.62		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFNA	375-95-1	64.2	0.592	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFOSA	754-91-6	19.5	1.41	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFOS	1763-23-1	20600	22.3	41.9	D	B1H0030	23-Aug-21	0.239 L	14-Sep-21 18:11	20
PFDA	335-76-2	4.82	0.943	2.09		B1H0030	23-Aug-21	0.239 L	14-Sep-21 06:07	1
8:2 FTS	39108-34-4	319	2.35	2.36		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFNS	68259-12-1	8.22	1.48	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
MeFOSAA	2355-31-9	ND	0.990	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
EtFOSAA	2991-50-6	ND	2.66	2.75		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFUnA	2058-94-8	ND	1.41	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFDS	335-77-3	ND	2.83	2.88		B1H0030	23-Aug-21	0.239 L	14-Sep-21 06:07	1
PFDoA	307-55-1	ND	0.822	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFTrDA	72629-94-8	ND	1.16	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
PFTeDA	376-06-7	ND	0.854	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	73.2	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
13C3-PFPeA	IS	74.5	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
13C3-PFBS	IS	64.2	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
13C2-4:2 FTS	IS	66.3	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
13C2-PFHxA	IS	67.4	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
13C4-PFHpA	IS	66.8	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
13C3-PFHxS	IS	209	25 - 150	D, H	B1H0030	23-Aug-21	0.239 L	14-Sep-21 18:11	20
13C2-6:2 FTS	IS	210	25 - 150	D, H	B1H0030	23-Aug-21	0.239 L	14-Sep-21 18:11	20
13C5-PFNA	IS	71.4	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
13C8-PFOSA	IS	29.7	10 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
13C2-PFOA	IS	71.2	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
13C8-PFOS	IS	180	25 - 150	D, H	B1H0030	23-Aug-21	0.239 L	14-Sep-21 18:11	20

Sample ID: Outfall 21

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 10:00

Laboratory Data

Lab Sample: 2108031-03
Date Received: 04-Aug-21 12:19
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	87.1	25 - 150		B1H0030	23-Aug-21	0.239 L	14-Sep-21 06:07	1
13C2-8:2 FTS	IS	74.8	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
d3-MeFOSAA	IS	64.9	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
13C2-PFUnA	IS	69.3	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
d5-EtFOSAA	IS	71.5	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
13C2-PFDoA	IS	58.8	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1
13C2-PFTeDA	IS	58.3	20 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:32	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Outfall 21 DUP

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 10:00

Laboratory Data

Lab Sample: 2108031-04
Date Received: 04-Aug-21 12:19
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	407	0.747	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFPeA	2706-90-3	1250	1.02	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFBS	375-73-5	949	0.804	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
4:2 FTS	757124-72-4	25.0	1.13	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFHxA	307-24-4	1580	1.18	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFPeS	2706-91-4	1630	0.946	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFHpA	375-85-9	430	0.925	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFHxS	355-46-4	8200	22.5	41.8	D	B1H0030	23-Aug-21	0.239 L	14-Sep-21 18:22	20
6:2 FTS	27619-97-2	2330	20.2	41.8	D	B1H0030	23-Aug-21	0.239 L	14-Sep-21 18:22	20
PFOA	335-67-1	803	1.14	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFHpS	375-92-8	692	2.58	2.61		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFNA	375-95-1	72.6	0.590	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFOSA	754-91-6	20.0	1.41	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFOS	1763-23-1	29000	22.3	41.8	D	B1H0030	23-Aug-21	0.239 L	14-Sep-21 18:22	20
PFDA	335-76-2	7.03	0.940	2.09		B1H0030	23-Aug-21	0.239 L	14-Sep-21 06:17	1
8:2 FTS	39108-34-4	402	2.34	2.35		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFNS	68259-12-1	10.1	1.47	2.09	Q	B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
MeFOSAA	2355-31-9	ND	0.987	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
EtFOSAA	2991-50-6	ND	2.65	2.74		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFUnA	2058-94-8	ND	1.41	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFDS	335-77-3	ND	2.83	2.87		B1H0030	23-Aug-21	0.239 L	14-Sep-21 06:17	1
PFDoA	307-55-1	ND	0.820	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFTrDA	72629-94-8	ND	1.15	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
PFTeDA	376-06-7	ND	0.851	2.09		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	59.4	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
13C3-PFPeA	IS	68.7	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
13C3-PFBS	IS	65.3	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
13C2-4:2 FTS	IS	62.5	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
13C2-PFHxA	IS	66.7	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
13C4-PFHpA	IS	68.0	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
13C3-PFHxS	IS	159	25 - 150	D, H	B1H0030	23-Aug-21	0.239 L	14-Sep-21 18:22	20
13C2-6:2 FTS	IS	294	25 - 150	D, H	B1H0030	23-Aug-21	0.239 L	14-Sep-21 18:22	20
13C5-PFNA	IS	65.1	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
13C8-PFOSA	IS	29.4	10 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
13C2-PFOA	IS	76.6	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
13C8-PFOS	IS	80.6	25 - 150	D	B1H0030	23-Aug-21	0.239 L	14-Sep-21 18:22	20

Sample ID: Outfall 21 DUP

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 10:00

Laboratory Data

Lab Sample: 2108031-04
Date Received: 04-Aug-21 12:19
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	74.2	25 - 150		B1H0030	23-Aug-21	0.239 L	14-Sep-21 06:17	1
13C2-8:2 FTS	IS	66.6	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
d3-MeFOSAA	IS	67.1	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
13C2-PFUnA	IS	59.3	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
d5-EtFOSAA	IS	56.4	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
13C2-PFDoA	IS	63.1	25 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1
13C2-PFTeDA	IS	56.1	20 - 150		B1H0030	23-Aug-21	0.239 L	17-Sep-21 07:53	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Station 10

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 10:10

Laboratory Data

Lab Sample: 2108031-05
Date Received: 04-Aug-21 12:19
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	84.9	0.736	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFPeA	2706-90-3	290	1.01	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFBS	375-73-5	201	0.793	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
4:2 FTS	757124-72-4	8.74	1.11	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFHxA	307-24-4	331	1.16	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFPeS	2706-91-4	219	0.932	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFHpA	375-85-9	99.3	0.911	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFHxS	355-46-4	1760	1.11	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
6:2 FTS	27619-97-2	718	0.994	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFOA	335-67-1	303	1.12	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFHpS	375-92-8	60.6	2.54	2.57		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFNA	375-95-1	11.0	0.582	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFOSA	754-91-6	ND	1.39	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFOS	1763-23-1	2100	11.0	20.6	D	B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:32	10
PFDA	335-76-2	ND	0.927	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 06:28	1
8:2 FTS	39108-34-4	18.7	2.31	2.32		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFNS	68259-12-1	ND	1.45	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
MeFOSAA	2355-31-9	ND	0.973	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
EtFOSAA	2991-50-6	ND	2.61	2.70		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFUnA	2058-94-8	ND	1.38	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFDS	335-77-3	ND	2.79	2.83		B1H0030	23-Aug-21	0.243 L	14-Sep-21 06:28	1
PFDoA	307-55-1	ND	0.808	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFTrDA	72629-94-8	ND	1.14	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
PFTeDA	376-06-7	ND	0.839	2.06		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	89.0	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
13C3-PFPeA	IS	79.0	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
13C3-PFBS	IS	68.4	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
13C2-4:2 FTS	IS	75.1	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
13C2-PFHxA	IS	74.5	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
13C4-PFHpA	IS	73.3	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
13C3-PFHxS	IS	66.4	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
13C2-6:2 FTS	IS	77.7	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
13C5-PFNA	IS	80.4	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
13C8-PFOSA	IS	55.1	10 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
13C2-PFOA	IS	78.3	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
13C8-PFOS	IS	100	25 - 150	D	B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:32	10

Sample ID: Station 10

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 10:10

Laboratory Data

Lab Sample: 2108031-05
Date Received: 04-Aug-21 12:19
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	77.0	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 06:28	1
13C2-8:2 FTS	IS	78.8	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
d3-MeFOSAA	IS	81.8	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
13C2-PFUnA	IS	88.9	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
d5-EtFOSAA	IS	71.2	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
13C2-PFDoA	IS	68.0	25 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1
13C2-PFTeDA	IS	54.1	20 - 150		B1H0030	23-Aug-21	0.243 L	17-Sep-21 08:14	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Field Blank

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 10:15

Laboratory Data

Lab Sample: 2108031-06
Date Received: 04-Aug-21 12:19
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.735	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFPeA	2706-90-3	ND	1.01	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFBS	375-73-5	ND	0.791	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
4:2 FTS	757124-72-4	ND	1.11	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFHxA	307-24-4	ND	1.16	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFPeS	2706-91-4	ND	0.930	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFHpA	375-85-9	ND	0.909	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFHxS	355-46-4	ND	1.10	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
6:2 FTS	27619-97-2	ND	0.992	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFOA	335-67-1	ND	1.12	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFHpS	375-92-8	ND	2.54	2.57		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFNA	375-95-1	ND	0.581	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFOSA	754-91-6	ND	1.39	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFOS	1763-23-1	ND	1.09	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFDA	335-76-2	ND	0.925	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
8:2 FTS	39108-34-4	ND	2.30	2.31		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFNS	68259-12-1	ND	1.45	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
MeFOSAA	2355-31-9	ND	0.971	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
EtFOSAA	2991-50-6	ND	2.61	2.70		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFUnA	2058-94-8	ND	1.38	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFDS	335-77-3	ND	2.78	2.83		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFDoA	307-55-1	ND	0.807	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFTrDA	72629-94-8	ND	1.14	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
PFTeDA	376-06-7	ND	0.838	2.06		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	135	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C3-PFPeA	IS	104	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C3-PFBS	IS	87.5	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C2-4:2 FTS	IS	68.5	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C2-PFHxA	IS	79.1	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C4-PFHpA	IS	75.2	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C3-PFHxS	IS	94.1	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C2-6:2 FTS	IS	91.4	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C5-PFNA	IS	75.0	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C8-PFOSA	IS	47.2	10 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C2-PFOA	IS	85.0	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C8-PFOS	IS	83.9	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1

Sample ID: Field Blank

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 10:15

Laboratory Data

Lab Sample: 2108031-06
Date Received: 04-Aug-21 12:19
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	73.0	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C2-8:2 FTS	IS	96.5	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
d3-MeFOSAA	IS	72.6	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C2-PFUnA	IS	65.3	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
d5-EtFOSAA	IS	63.9	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C2-PFDoA	IS	72.4	25 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1
13C2-PFTeDA	IS	64.8	20 - 150		B1H0030	23-Aug-21	0.243 L	14-Sep-21 18:43	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Station 4A

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 10:35

Laboratory Data

Lab Sample: 2108031-07
Date Received: 04-Aug-21 12:19
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	20.4	0.719	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFPeA	2706-90-3	44.6	0.986	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFBS	375-73-5	23.4	0.775	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
4:2 FTS	757124-72-4	ND	1.09	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFHxA	307-24-4	52.8	1.14	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFPeS	2706-91-4	25.1	0.910	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFHpA	375-85-9	18.0	0.890	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFHxS	355-46-4	239	1.08	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
6:2 FTS	27619-97-2	73.8	0.971	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFOA	335-67-1	56.7	1.10	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFHpS	375-92-8	5.33	2.48	2.51		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFNA	375-95-1	1.75	0.568	2.01	J	B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFOSA	754-91-6	ND	1.36	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFOS	1763-23-1	302	1.07	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFDA	335-76-2	ND	0.905	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
8:2 FTS	39108-34-4	ND	2.25	2.26		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFNS	68259-12-1	ND	1.42	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
MeFOSAA	2355-31-9	ND	0.951	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
EtFOSAA	2991-50-6	ND	2.55	2.64		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFUnA	2058-94-8	ND	1.35	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFDS	335-77-3	ND	2.72	2.77		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFDoA	307-55-1	ND	0.790	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFTrDA	72629-94-8	ND	1.11	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
PFTeDA	376-06-7	ND	0.820	2.01		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	90.3	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C3-PFPeA	IS	85.1	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C3-PFBS	IS	85.8	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C2-4:2 FTS	IS	79.1	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C2-PFHxA	IS	76.9	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C4-PFHpA	IS	69.3	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C3-PFHxS	IS	79.0	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C2-6:2 FTS	IS	68.1	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C5-PFNA	IS	63.8	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C8-PFOSA	IS	43.6	10 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C2-PFOA	IS	75.7	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C8-PFOS	IS	71.1	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1

Sample ID: Station 4A

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 10:35

Laboratory Data

Lab Sample: 2108031-07
Date Received: 04-Aug-21 12:19
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	71.1	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C2-8:2 FTS	IS	84.3	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
d3-MeFOSAA	IS	77.9	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C2-PFUnA	IS	72.5	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
d5-EtFOSAA	IS	71.5	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C2-PFDoA	IS	65.0	25 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1
13C2-PFTeDA	IS	50.2	20 - 150		B1H0030	23-Aug-21	0.249 L	14-Sep-21 18:53	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

Sample ID: Station 7

PFAS Isotope Dilution Method

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 11:00

Laboratory Data

Lab Sample: 2108031-08
Date Received: 04-Aug-21 12:19
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	15.9	0.818	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFPeA	2706-90-3	30.9	1.12	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFBS	375-73-5	14.4	0.881	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
4:2 FTS	757124-72-4	ND	1.24	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFHxA	307-24-4	35.4	1.29	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFPeS	2706-91-4	14.4	1.04	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFHpA	375-85-9	13.7	1.01	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFHxS	355-46-4	160	1.23	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
6:2 FTS	27619-97-2	40.6	1.10	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFOA	335-67-1	52.4	1.25	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFHpS	375-92-8	3.55	2.83	2.86		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFNA	375-95-1	1.35	0.647	2.29	J, Q	B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFOSA	754-91-6	ND	1.55	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFOS	1763-23-1	193	1.22	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFDA	335-76-2	ND	1.03	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
8:2 FTS	39108-34-4	ND	2.56	2.58		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFNS	68259-12-1	ND	1.61	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
MeFOSAA	2355-31-9	ND	1.08	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
EtFOSAA	2991-50-6	ND	2.90	3.00		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFUnA	2058-94-8	ND	1.54	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFDS	335-77-3	ND	3.10	3.15		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFDoA	307-55-1	ND	0.898	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFTrDA	72629-94-8	ND	1.26	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
PFTeDA	376-06-7	ND	0.933	2.29		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.6	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C3-PFPeA	IS	85.4	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C3-PFBS	IS	84.5	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C2-4:2 FTS	IS	76.8	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C2-PFHxA	IS	73.1	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C4-PFHpA	IS	65.7	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C3-PFHxS	IS	80.1	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C2-6:2 FTS	IS	73.5	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C5-PFNA	IS	69.4	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C8-PFOSA	IS	46.2	10 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C2-PFOA	IS	72.7	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C8-PFOS	IS	75.9	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1

Sample ID: Station 7 **PFAS Isotope Dilution Method**

Client Data

Name: SCS Engineers
Project: Mead & Hunt Airport PFAS Sampling / 25221127.00
Matrix: Aqueous
Date Collected: 03-Aug-21 11:00

Laboratory Data

Lab Sample: 2108031-08
Date Received: 04-Aug-21 12:19
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	66.4	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C2-8:2 FTS	IS	87.3	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
d3-MeFOSAA	IS	69.5	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C2-PFUnA	IS	62.1	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
d5-EtFOSAA	IS	68.2	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C2-PFDoA	IS	63.1	25 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1
13C2-PFTeDA	IS	49.9	20 - 150		B1H0030	23-Aug-21	0.218 L	14-Sep-21 19:04	1

MDL - Method Detection Limit RL - Reporting limit Results reported to MDL.

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

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	E87777-26
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	1980678
New Hampshire Environmental Accreditation Program	207720
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-016
Pennsylvania Department of Environmental Protection	017
Texas Commission on Environmental Quality	T104704189-21-12
Vermont Department of Health	VT-4042
Virginia Department of General Services	10769
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	EPA 537
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	EPA 537
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
Perfluorooctanesulonate (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	EPA 537
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	EPA 537
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

Vista Analytical Laboratory

CHAIN OF CUSTODY

For Laboratory Use Only
Work Order #: 2108031 Temp: 2.0 °C
Storage ID: R-13, WR-1 Storage Secured: Yes ☒ No ☐

Project ID: Mead & Hunt Airport PFAS Sampling 25221127.00 PO#: _____ Sampler: Ryan Matzuk (name)

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

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
Ryan Matzuk	8/3/2021	13:00	Justin Brisson	08/04/21	1219

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

ATTN: _____

Method of Shipment: _____

Tracking No.: _____

Add Analysis(es) Requested

Sample ID	Date	Time	Location/ Sample Description	Container(s) Quantity	Type	Matrix	PFAS by Isotope Dilution: PFOA/ PFOS	UCMR3 PFAS List:6	537.1 List: 14 or 18 (Circle One)	EPA Draft List of 24	OTHER: Please attach analyte list	EPA Method 537 (DW only): PFOA/ PFOS	UCMR3 PFAS List:6	537.1 List of 14	537.1 List of 18	Comments
Outfall 32	8/3/21	925		2	P	AQ				X						
Station 11		950								X						
Outfall 21		1000								X						
Outfall 21 Dup		1000								X						
Station 10		1010								X						
Field Blank		1015								X						
Station 4A		1035								X						
Station 7		1100								X						

Special Instructions/Comment

SEND DOCUMENTATION AND RESULTS TO:

Name: Eric Oelkers
Company: SCS Engineers
Address: 2830 Dairy Dr.
City: Madison State: WI Zip: 53718
Phone: 608-444-3934
Email: EOelkers@scsengineers

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 _____

2108031

4.2.2 Analytical Parameters and Methods

Creek samples will be collected manually, as grab samples at each location. Each sample will be analyzed for appropriate PFAS compounds using Method 537 (Modified). Samples collected will be submitted to a certified, qualified Laboratory for analysis. Table 1 provides a summary of PFAS compounds to be analyzed and expected quantitation limits as provided by the laboratory.

Table 1. Summary of Stormwater Sampling PFAS Analytical Parameters.

Analyte Name	CAS#	Analyte	RL (ng/l)
Perfluorobutanoic acid	375-22-4	PFBA	6.9
Perfluoropentanoic acid	2706-90-3	PFPeA	3.4
Perfluorobutanesulfonic acid	375-73-5	PFBS	3.4
Perfluorohexanoic acid	307-24-4	PFHxA	3.4
Perfluoroheptanoic acid	375-85-9	PFHpA	3.4
Perfluorohexanesulfonoic acid	355-46-4	PFHxS	3.4
6:2 Fluorotelomer sulfonic acid	27619-97-2	6:2-FTS	6.9
Perfluorooctanoic acid	335-67-1	PFOA	3.4
Perfluoroheptanesulfonoic acid	375-92-8	PFHpS	3.4
Perfluorooctanesulfonic acid	1763-23-1	PFOS	3.4
Perfluorononanoic acid	375-95-1	PFNA	3.4
Perfluorodecanoic acid	335-76-2	PFDA	3.4
8:2 Fluorotelomer sulfonic acid	39108-34-4	8:2-FTS	6.9
Perfluorooctane sulfonamide	754-91-6	PFOSA	3.4
Perfluorodecanesulfonic acid	335-77-3	PFDS	3.4
Perfluoroundecanoic acid	2058-94-8	PFUnA/PFUdA	3.4
Perfluorododecanoic acid	307-55-1	PFDoA	3.4
Perfluorotridecanoic acid	72629-94-8	PFTrDA	3.4
Perfluorotetradecanoic acid	376-06-7	PFTeDA	3.4
N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	EtFOSAA	17.0
N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	MeFOSAA	17.0
4:2 Fluorotelomer sulfonic acid	757124-72-4	4:2-FTS	6.9
Perfluoropentane sulfonic acid	2706-91-4	PFPeS	3.4
Perfluorononane sulfonic acid	68259-12-1	PFNS	3.4

Vista Analytical Laboratory

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2108031 TAT 5td

Samples Arrival:	**Date/Time** 08/04/21 1219		**Initials:**		**Location:** WR-2 **Shelf/Rack:** N/A		
Delivered By:	FedEx	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	Ice		Blue Ice		Techni Ice	Dry Ice	None
Temp °C: 2.1 (uncorrected) **Temp °C:** 2.0 (corrected)			**Probe used: Y / N**		**Thermometer ID:** IR-3		

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Airbill — Trk # 774437341955	✓		
Shipping Documentation Present?	✓		
Shipping Container: Vista / Client / Retain / Return / Dispose			
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	**Date/Time** 08/04/21 1321	**Initials:** IA	**Location:** R-13, WR-2 **Shelf/Rack:** A-3, F-4	
COC Anomaly/Sample Acceptance Form completed?			—	✓

Comments:

CoC/Label Reconciliation Report WO# 2108031

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2108031-01	A Outfall 32		03-Aug-21 09:25	HDPE Bottle, 250 mL	Aqueous	
2108031-01	B Outfall 32		03-Aug-21 09:25	HDPE Bottle, 250 mL	Aqueous	
2108031-02	A Station 11		03-Aug-21 09:50	HDPE Bottle, 250 mL	Aqueous	
2108031-02	B Station 11		03-Aug-21 09:50	HDPE Bottle, 250 mL	Aqueous	
2108031-03	A Outfall 21		03-Aug-21 10:00	HDPE Bottle, 250 mL	Aqueous	
2108031-03	B Outfall 21		03-Aug-21 10:00	HDPE Bottle, 250 mL	Aqueous	
2108031-04	A Outfall 21 DUP		03-Aug-21 10:00	HDPE Bottle, 250 mL	Aqueous	
2108031-04	B Outfall 21 DUP		03-Aug-21 10:00	HDPE Bottle, 250 mL	Aqueous	
2108031-05	A Station 10		03-Aug-21 10:10	HDPE Bottle, 250 mL	Aqueous	
2108031-05	B Station 10		03-Aug-21 10:10	HDPE Bottle, 250 mL	Aqueous	
2108031-06	A Field Blank		03-Aug-21 10:15	HDPE Bottle, 250 mL	Aqueous	
2108031-06	B Field Blank		03-Aug-21 10:15	HDPE Bottle, 250 mL	Aqueous	
2108031-07	A Station 4A		03-Aug-21 10:35	HDPE Bottle, 250 mL	Aqueous	
2108031-07	B Station 4A		03-Aug-21 10:35	HDPE Bottle, 250 mL	Aqueous	
2108031-08	A Station 7		03-Aug-21 11:00	HDPE Bottle, 250 mL	Aqueous	
2108031-08	B Station 7		03-Aug-21 11:00	HDPE Bottle, 250 mL	Aqueous	

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:

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None (ALL) Other

Verifed by/Date: 08/05/21