



2045 Mills Road West

TEL: (250) 655-5800

Sidney, BC, Canada V8L5X2

TOLL-FREE: 1-888-373-0881

SGS AXYS Client No.: 4066

Client Address: Tetra Tech, Inc. - Pacific Guardian Ctr.
737 Bishop St., Suite 2340, Mauka Tower
Honolulu, HI, US, 96813-3201

The SGS AXYS contact for these data is Dale Robinson.

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CHAIN OF CUSTODY

2045 Mills Road West TEL: (250) 655-5800 TOLL FREE 1-888-373-0881
 Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

SGS AXYS CLIENT #: 4066

REPORT TO:		INVOICE TO:		ANALYSIS REQUESTED				
Company	Hawaii DOH-HEER Office	Company	TetraTech	MLA-110	MLA-111	MLA-119		
Address	2385 Waimanalo Home Rd #100 Pearl City, HI 96782	Address	737 Bishop St Ste 2340 Honolulu, HI 96813					
Contact	Roger Brewer	Contact	Eric Jensen					
Phone	808-586-4249	Phone	808-225-7084					
FAX		FAX						
E-mail	roger.brewer@doh.hawaii.gov	E-mail	eric.jensen@tetratech.com					
Project Name/Number:		Sampler's Name:						
Signature:								
Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	SGS AXYS Lab Sample ID (Lab use only)			
LA WWTP-EFFL	H ₂ O	9/25/23	8:10am	3-506ml	L 40347-4			
LA WWTP-INFL	"	9/26/23	8:45am	3-125ml	- 10			
LA WWTP-EFFL-EB	"	9/25/23	8:20am	"	- 1			
LA WWTP-INFL-EB	"	9/25/23	8:45am	"	- 7			
Relinquished by (Signature)		Date	Time	Received by (Signature)		Waybill No.		
[Signature]		10/3/23	9:00am	ASS				
Relinquished by (Signature)		Date	Time	Date 06-01-2023 Time 09:20				
				Received by (Signature)				
				Date		Time		
Remarks		* Filter water samples prior to analysis				Sample Receipt		
						Cooler		
						Temp °C		
						Custody Seal #		
						Seal Intact Y / N		
						Sample Tags Y / N		

SGS AXYS METHOD MLA-111 Rev 03

Form 1A

TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS
REPORT

CLIENT SAMPLE NO.

LAWWTP-EFFL-EB

Sample Collection:

25-Sep-2023 08:20

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Contract No.: 4066

Project No.

LAIE WWTP

Lab Sample I.D.:

L40347-1

Matrix: AQUEOUS

Sample Size: 0.0612 L

Sample Receipt Date: 06-Oct-2023

Initial Calibration Date: 01-Mar-2023

Extraction Date: 29-Jan-2024

Instrument ID: LCMS/MS

Analysis Date: 31-Jan-2024 Time: 21:23:29

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC4L_024 S: 35

Injection Volume (uL): 2

Blank Data Filename: FC4L_024 S: 34

Dilution Factor: N/A

Cal. Ver. Data Filename: FC4L_024 S: 30

Concentration Units: ng/L

This page is part of a total report that contains information necessary for accreditation compliance.
This test is not NELAP accredited. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	J	30.8	13.1 (Q)		1.021
PFPeA	J	7.89	6.53 (Q)		0.996
PFHxA	J	7.54	3.27 (Q)	4.81	1.000
PFFHpA	U		3.27 (Q)		
PFOA	U		3.27 (Q)		
PFNA	U		3.27 (Q)		
PFDA	U		3.27 (Q)		
PFFUnA	U		3.27 (Q)		
PFFDoA	U		2.61 (Q)		
PFFTrDA	U		3.27 (Q)		
PFFTeDA	U		3.27 (Q)		
PFBS	U		3.27 (Q)		
PFFPeS	U		3.28 (Q)		
PFFHxS	U		3.27 (Q)		
PFFHpS	U		3.27 (Q)		
PFOS	U		3.27 (Q)		
PFNS	U		3.27 (Q)		
PFDS	U		3.27 (Q)		
PFFDoS	U		3.27 (Q)		
4:2 FTS	U		13.1 (Q)		
6:2 FTS	U		11.8 (Q)		
8:2 FTS	U		11.1 (Q)		
PFOSA	U		3.27 (Q)		
N-MeFOSA	U		3.27 (Q)		
N-EtFOSA	U		9.15 (Q)		
MeFOSAA	U		3.27 (Q)		
EtFOSAA	U		3.27 (Q)		
N-MeFOSE	U		32.7 (Q)		
N-EtFOSE	U		32.7 (Q)		
3:3 FTCA	U		13.1 (Q)		
5:3 FTCA	U		81.7 (Q)		
7:3 FTCA	U		81.7 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; J = concentration less than limit of quantification.

(2) Reporting Limit (Code): S = sample detection limit; M = method detection limit; L = lowest calibration level equivalent; Q = minimum reporting level.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____Aaron Kyle_____

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811
Contract No.: 4066

Project No. LAIE WWTP
Lab Sample I.D.: L40347-1
Sample Size: 0.0612 L
Initial Calibration Date: 01-Mar-2023
Instrument ID: LCMS/MS
Column ID: C18
Sample Data Filename: FC4L_024 S: 35
Blank Data Filename: FC4L_024 S: 34
Cal. Ver. Data Filename: FC4L_024 S: 30

Matrix: AQUEOUS
Sample Receipt Date: 06-Oct-2023
Extraction Date: 29-Jan-2024
Analysis Date: 31-Jan-2024 Time: 21:23:29
Extract Volume (uL): 4000
Injection Volume (uL): 2
Dilution Factor: N/A
Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
This test is not NELAP accredited. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	31.8	79.6		0.997
13C5-PFPeA		20.0	17.8	89.2		0.854
13C5-PFHxA		10.0	7.88	78.8	11.2	1.000
13C4-PFHpA		10.0	8.02	80.2		0.878
13C8-PFOA		10.0	8.06	80.6		1.000
13C9-PFNA		5.00	4.80	96.0		1.000
13C6-PFDA		5.00	4.13	82.5		1.000
13C7-PFUnA		5.00	3.81	76.3		1.041
13C2-PFDoA		5.00	3.47	69.4		1.077
13C2-PFTeDA		5.00	2.75	55.0		1.173
13C3-PFBS		10.0	9.27	92.5	2.58	0.770
13C3-PFHxS		10.0	9.40	93.9	2.34	1.000
13C8-PFOS		10.1	9.84	97.8	2.11	1.000
13C2-4:2 FTS		20.2	16.0	79.1	1.79	0.810
13C2-6:2 FTS		20.0	19.4	96.8	2.24	1.002
13C2-8:2 FTS		20.0	18.4	91.7	3.42	1.261
13C8-PFOSA	V	10.0	18.8	188		1.158
D3-N-MeFOSA		10.0	11.2	112		1.340
D5-N-EtFOSA		10.0	9.90	99.0		1.374
D3-MeFOSAA		20.0	23.8	119		1.299
D5-EtFOSAA		20.0	25.1	125		1.321
d7-NMe-FOSE		100	145	145		1.324
d9-NEt-FOSE		100	137	137		1.359

(1) Where applicable, custom lab flags have been used on this report; V = surrogate recovery is not within method/contract control limits.
(2) R(%) = percent recovery.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.
Signed: _____Aaron Kyle_____

SGS AXYS METHOD MLA-111 Rev 03

Form 1A

TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS
REPORT

CLIENT SAMPLE NO.

LAWWTP-EFFL

Sample Collection:

26-Sep-2023 08:10

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Contract No.: 4066

Project No.

LAIE WWTP

Lab Sample I.D.:

L40347-4

Matrix: EFFLUENT FINAL

Sample Size:

0.0680 L

Sample Receipt Date: 06-Oct-2023

Initial Calibration Date:

01-Mar-2023

Extraction Date: 29-Jan-2024

Instrument ID:

LCMS/MS

Analysis Date: 31-Jan-2024 Time: 22:03:56

Column ID:

C18

Extract Volume (uL): 4000

Sample Data Filename:

FC4L_024 S: 38

Injection Volume (uL): 2

Blank Data Filename:

FC4L_024 S: 34

Dilution Factor: N/A

Cal. Ver. Data Filename:

FC4L_024 S: 30

Concentration Units: ng/L

This page is part of a total report that contains information necessary for accreditation compliance.
This test is not NELAP accredited. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	J	35.3	11.8 (Q)		1.003
PFPeA		237	5.88 (Q)		1.001
PFHxA		160	2.94 (Q)	4.54	1.000
PFHpA	J	3.53	2.94 (Q)	2.16	1.000
PFOA	J	8.05	2.94 (Q)	1.98	
PFNA	U		2.94 (Q)		
PFDA	U		2.94 (Q)		
PFUnA	U		2.94 (Q)		
PFDoA	U		2.35 (Q)		
PFTTrDA	U		2.94 (Q)		
PFTeDA	U		2.94 (Q)		
PFBS	J	11.3	2.94 (Q)	3.04	1.000
PFPeS	U		2.96 (Q)		
PFHxS	U		2.94 (Q)		
PFHpS	U		2.94 (Q)		
PFOS	U		2.94 (Q)		
PFNS	U		2.94 (Q)		
PFDS	U		2.94 (Q)		
PFDoS	U		2.94 (Q)		
4:2 FTS	U		11.8 (Q)		
6:2 FTS	U		10.6 (Q)		
8:2 FTS	U		10.0 (Q)		
PFOSA	U		2.94 (Q)		
N-MeFOSA	U		2.94 (Q)		
N-EtFOSA	U		8.24 (Q)		
MeFOSAA	U		2.94 (Q)		
EtFOSAA	U		2.94 (Q)		
N-MeFOSE	U		29.4 (Q)		
N-EtFOSE	U		29.4 (Q)		
3:3 FTCA	U		11.8 (Q)		
5:3 FTCA	U		73.6 (Q)		
7:3 FTCA	U		73.6 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; J = concentration less than limit of quantification.

(2) Reporting Limit (Code): S = sample detection limit; M = method detection limit; L = lowest calibration level equivalent; Q = minimum reporting level.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____Aaron Kyle_____

Form 2
TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS
REPORT

CLIENT SAMPLE NO.
LAWWTP-EFFL
Sample Collection:
26-Sep-2023 08:10

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811
Contract No.: 4066

Project No. LAIE WWTP
Lab Sample I.D.: L40347-4
Sample Size: 0.0680 L
Initial Calibration Date: 01-Mar-2023
Instrument ID: LCMS/MS
Column ID: C18
Sample Data Filename: FC4L_024 S: 38
Blank Data Filename: FC4L_024 S: 34
Cal. Ver. Data Filename: FC4L_024 S: 30

Matrix: EFFLUENT FINAL

Sample Receipt Date: 06-Oct-2023

Extraction Date: 29-Jan-2024

Analysis Date: 31-Jan-2024 Time: 22:03:56

Extract Volume (uL): 4000

Injection Volume (uL): 2

Dilution Factor: N/A

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
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LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	29.6	74.0		1.000
13C5-PFPeA		20.0	17.1	85.3		0.855
13C5-PFHxA		10.0	7.31	73.1	11.0	1.001
13C4-PFHpA		10.0	7.43	74.3		0.878
13C8-PFOA		10.0	7.58	75.8		1.000
13C9-PFNA		5.00	4.20	84.1		1.000
13C6-PFDA		5.00	4.14	82.8		1.000
13C7-PFUnA		5.00	3.64	72.7		1.041
13C2-PFDoA		5.00	3.02	60.3		1.077
13C2-PFTeDA	V	5.00	1.84	36.9		1.173
13C3-PFBS		10.0	9.45	94.3	2.68	0.770
13C3-PFHxS		10.0	9.51	95.0	2.42	0.999
13C8-PFOS		10.1	9.42	93.6	2.03	1.000
13C2-4:2 FTS		20.2	18.8	93.1	2.01	0.810
13C2-6:2 FTS		20.0	19.3	96.6	2.23	1.002
13C2-8:2 FTS		20.0	19.3	96.4	3.66	1.261
13C8-PFOSA	V	10.0	18.5	185		1.157
D3-N-MeFOSA		10.0	11.0	110		1.340
D5-N-EtFOSA		10.0	9.86	98.6		1.374
D3-MeFOSAA		20.0	26.7	134		1.298
D5-EtFOSAA		20.0	26.0	130		1.321
d7-NMe-FOSE		100	144	143		1.324
d9-NEt-FOSE		100	132	132		1.359

(1) Where applicable, custom lab flags have been used on this report; V = surrogate recovery is not within method/contract control limits.
(2) R(%) = percent recovery.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.
Signed: _____Aaron Kyle_____

SGS AXYS METHOD MLA-111 Rev 03

Form 1A

TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS
REPORT

CLIENT SAMPLE NO.

LAWWTP-INFL-EB

Sample Collection:

25-Sep-2023 08:45

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Contract No.: 4066

Project No.

LAIE WWTP

Lab Sample I.D.:

L40347-7

Matrix: AQUEOUS

Sample Size: 0.0630 L

Sample Receipt Date: 06-Oct-2023

Initial Calibration Date: 01-Mar-2023

Extraction Date: 29-Jan-2024

Instrument ID: LCMS/MS

Analysis Date: 31-Jan-2024 Time: 23:11:31

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC4L_024 S: 43

Injection Volume (uL): 2

Blank Data Filename: FC4L_024 S: 34

Dilution Factor: N/A

Cal. Ver. Data Filename: FC4L_024 S: 41

Concentration Units: ng/L

This page is part of a total report that contains information necessary for accreditation compliance.
This test is not NELAP accredited. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		12.7 (Q)		
PFPeA	U		6.35 (Q)		
PFHxA	U		3.17 (Q)		
PFHpA	U		3.17 (Q)		
PFOA	U		3.17 (Q)		
PFNA	U		3.17 (Q)		
PFDA	U		3.17 (Q)		
PFUnA	U		3.17 (Q)		
PFDoA	U		2.54 (Q)		
PFTTrDA	U		3.17 (Q)		
PFTeDA	U		3.17 (Q)		
PFBS	U		3.17 (Q)		
PFPeS	U		3.19 (Q)		
PFHxS	U		3.17 (Q)		
PFHpS	U		3.17 (Q)		
PFOS	U		3.17 (Q)		
PFNS	U		3.17 (Q)		
PFDS	U		3.17 (Q)		
PFDoS	U		3.17 (Q)		
4:2 FTS	U		12.7 (Q)		
6:2 FTS	U		11.4 (Q)		
8:2 FTS	U		10.8 (Q)		
PFOSA	U		3.17 (Q)		
N-MeFOSA	U		3.17 (Q)		
N-EtFOSA	U		8.89 (Q)		
MeFOSAA	U		3.17 (Q)		
EtFOSAA	U		3.17 (Q)		
N-MeFOSE	U		31.7 (Q)		
N-EtFOSE	U		31.7 (Q)		
3:3 FTCA	U		12.7 (Q)		
5:3 FTCA	U		79.4 (Q)		
7:3 FTCA	U		79.4 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL.

(2) Reporting Limit (Code): S = sample detection limit; M = method detection limit; L = lowest calibration level equivalent; Q = minimum reporting level.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____Aaron Kyle_____

Form 2
TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS
REPORT

CLIENT SAMPLE NO.
LAWWTP-INFL-EB
Sample Collection:
25-Sep-2023 08:45

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811
Contract No.: 4066

Project No. LAIE WWTP
Lab Sample I.D.: L40347-7
Sample Size: 0.0630 L
Initial Calibration Date: 01-Mar-2023
Instrument ID: LCMS/MS
Column ID: C18
Sample Data Filename: FC4L_024 S: 43
Blank Data Filename: FC4L_024 S: 34
Cal. Ver. Data Filename: FC4L_024 S: 41

Matrix: AQUEOUS
Sample Receipt Date: 06-Oct-2023
Extraction Date: 29-Jan-2024
Analysis Date: 31-Jan-2024 Time: 23:11:31
Extract Volume (uL): 4000
Injection Volume (uL): 2
Dilution Factor: N/A
Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
This test is not NELAP accredited. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA	V	40.0	17.4	43.5		1.000
13C5-PFPeA		20.0	17.0	85.0		0.855
13C5-PFHxA		10.0	7.72	77.2	11.6	1.000
13C4-PFHpA		10.0	7.78	77.8		0.878
13C8-PFOA		10.0	7.78	77.8		0.999
13C9-PFNA		5.00	4.53	90.6		1.000
13C6-PFDA		5.00	4.20	84.0		0.999
13C7-PFUnA		5.00	3.86	77.2		1.041
13C2-PFDoA		5.00	3.21	64.2		1.077
13C2-PFTeDA	V	5.00	1.93	38.7		1.173
13C3-PFBS		10.0	9.27	92.5	2.67	0.770
13C3-PFHxS		10.0	9.50	94.8	2.45	1.001
13C8-PFOS		10.1	9.24	91.8	2.14	1.000
13C2-4:2 FTS		20.2	18.8	93.1	1.91	0.810
13C2-6:2 FTS		20.0	19.8	99.2	2.25	1.002
13C2-8:2 FTS		20.0	18.5	92.3	3.52	1.261
13C8-PFOSA	V	10.0	18.0	180		1.158
D3-N-MeFOSA		10.0	11.2	112		1.340
D5-N-EtFOSA		10.0	9.98	99.8		1.375
D3-MeFOSAA		20.0	24.8	124		1.298
D5-EtFOSAA		20.0	25.2	126		1.321
d7-NMe-FOSE		100	142	141		1.324
d9-NEt-FOSE		100	133	133		1.360

(1) Where applicable, custom lab flags have been used on this report; V = surrogate recovery is not within method/contract control limits.
(2) R(%) = percent recovery.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.
Signed: _____Aaron Kyle_____

SGS AXYS METHOD MLA-111 Rev 03

Form 1A

TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS
REPORT

CLIENT SAMPLE NO.

LAWWTP-INFL

Sample Collection:

26-Sep-2023 08:45

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Contract No.: 4066

Project No.

LAIE WWTP

Lab Sample I.D.:

L40347-10

Matrix: INFLUENT

Sample Size: 0.0620 L

Sample Receipt Date: 06-Oct-2023

Initial Calibration Date: 01-Mar-2023

Extraction Date: 29-Jan-2024

Instrument ID: LCMS/MS

Analysis Date: 31-Jan-2024 Time: 23:52:24

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC4L_024 S: 46

Injection Volume (uL): 2

Blank Data Filename: FC4L_024 S: 34

Dilution Factor: N/A

Cal. Ver. Data Filename: FC4L_024 S: 41

Concentration Units: ng/L

This page is part of a total report that contains information necessary for accreditation compliance.
This test is not NELAP accredited. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA		101	12.9 (Q)		1.007
PFPeA		256	6.45 (Q)		1.000
PFHxA		125	3.23 (Q)	4.43	1.001
PFHpA		19.6	3.23 (Q)	2.22	1.001
PFOA	J	4.43	3.23 (Q)	2.97	
PFNA	U		3.23 (Q)		
PFDA	U		3.23 (Q)		
PFUnA	U		3.23 (Q)		
PFDaA	U		2.58 (Q)		
PFTTrDA	U		3.23 (Q)		
PFTeDA	U		3.23 (Q)		
PFBS	J	7.54	3.23 (Q)	2.52	1.000
PFPeS	U		3.24 (Q)		
PFHxS	U		3.23 (Q)		
PFHpS	U		3.23 (Q)		
PFOS	U		3.23 (Q)		
PFNS	U		3.23 (Q)		
PFDS	U		3.23 (Q)		
PFDoS	U		3.23 (Q)		
4:2 FTS	U		12.9 (Q)		
6:2 FTS	U		11.6 (Q)		
8:2 FTS	U		11.0 (Q)		
PFOSA	U		3.23 (Q)		
N-MeFOSA	U		3.23 (Q)		
N-EtFOSA	U		9.03 (Q)		
MeFOSAA	U		3.23 (Q)		
EtFOSAA	U		3.23 (Q)		
N-MeFOSE	U		32.3 (Q)		
N-EtFOSE	U		32.3 (Q)		
3:3 FTCA	U		12.9 (Q)		
5:3 FTCA	U		80.7 (Q)		
7:3 FTCA	U		80.7 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; J = concentration less than limit of quantification.

(2) Reporting Limit (Code): S = sample detection limit; M = method detection limit; L = lowest calibration level equivalent; Q = minimum reporting level.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____Aaron Kyle_____

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811
Contract No.: 4066

Project No. LAIE WWTP
Lab Sample I.D.: L40347-10
Sample Size: 0.0620 L
Initial Calibration Date: 01-Mar-2023
Instrument ID: LCMS/MS
Column ID: C18
Sample Data Filename: FC4L_024 S: 46
Blank Data Filename: FC4L_024 S: 34
Cal. Ver. Data Filename: FC4L_024 S: 41

Matrix: INFLUENT
Sample Receipt Date: 06-Oct-2023
Extraction Date: 29-Jan-2024
Analysis Date: 31-Jan-2024 Time: 23:52:24
Extract Volume (uL): 4000
Injection Volume (uL): 2
Dilution Factor: N/A
Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
This test is not NELAP accredited. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	28.5	71.2		0.997
13C5-PFPeA		20.0	16.1	80.5		0.855
13C5-PFHxA		10.0	7.00	70.0	11.8	1.000
13C4-PFHpA		10.0	7.15	71.5		0.878
13C8-PFOA		10.0	7.37	73.7		1.000
13C9-PFNA		5.00	4.26	85.2		1.000
13C6-PFDA		5.00	3.97	79.3		0.999
13C7-PFUnA		5.00	3.52	70.4		1.041
13C2-PFDoA		5.00	2.99	59.8		1.077
13C2-PFTeDA	V	5.00	1.94	38.7		1.173
13C3-PFBS		10.0	9.24	92.2	2.70	0.770
13C3-PFHxS		10.0	9.52	95.0	2.42	1.000
13C8-PFOS		10.1	9.19	91.3	2.07	1.000
13C2-4:2 FTS		20.2	17.4	86.2	1.88	0.810
13C2-6:2 FTS		20.0	18.9	94.7	2.27	1.002
13C2-8:2 FTS		20.0	18.1	90.2	3.53	1.261
13C8-PFOSA	V	10.0	18.3	183		1.158
D3-N-MeFOSA		10.0	11.3	113		1.340
D5-N-EtFOSA		10.0	10.0	100		1.375
D3-MeFOSAA		20.0	25.1	126		1.298
D5-EtFOSAA		20.0	24.4	122		1.320
d7-NMe-FOSE		100	143	142		1.324
d9-NEt-FOSE		100	135	135		1.360

(1) Where applicable, custom lab flags have been used on this report; V = surrogate recovery is not within method/contract control limits.
(2) R(%) = percent recovery.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.
Signed: _____Aaron Kyle_____

SGS AXYS METHOD MLA-111 Rev 03

Form 1A

TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS
REPORT

CLIENT SAMPLE NO.

Lab Blank

Sample Collection:

N/A

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Contract No.: 4066

Project No.

N/A

Lab Sample I.D.:

WG88605-101

Matrix: AQUEOUS

Sample Size: 0.0600 L

Sample Receipt Date: N/A

Initial Calibration Date: 01-Mar-2023

Extraction Date: 29-Jan-2024

Instrument ID: LCMS/MS

Analysis Date: 31-Jan-2024 Time: 21:09:43

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC4L_024 S: 34

Injection Volume (uL): 2

Blank Data Filename: FC4L_024 S: 34

Dilution Factor: N/A

Cal. Ver. Data Filename: FC4L_024 S: 30

Concentration Units: ng/L

This page is part of a total report that contains information necessary for accreditation compliance.
This test is not NELAP accredited. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		13.3 (Q)		
PFPeA	U		6.67 (Q)		
PFHxA	U		3.33 (Q)		
PFHpA	U		3.33 (Q)		
PFOA	U		3.33 (Q)		
PFNA	U		3.33 (Q)		
PFDA	U		3.33 (Q)		
PFUnA	U		3.33 (Q)		
PFDaA	U		2.67 (Q)		
PFTTrDA	U		3.33 (Q)		
PFTeDA	U		3.33 (Q)		
PFBS	U		3.33 (Q)		
PFPeS	U		3.35 (Q)		
PFHxS	U		3.33 (Q)		
PFHpS	U		3.33 (Q)		
PFOS	U		3.33 (Q)		
PFNS	U		3.33 (Q)		
PFDS	U		3.33 (Q)		
PFDoS	U		3.33 (Q)		
4:2 FTS	U		13.3 (Q)		
6:2 FTS	U		12.0 (Q)		
8:2 FTS	U		11.3 (Q)		
PFOSA	U		3.33 (Q)		
N-MeFOSA	U		3.33 (Q)		
N-EtFOSA	U		9.33 (Q)		
MeFOSAA	U		3.33 (Q)		
EtFOSAA	U		3.33 (Q)		
N-MeFOSE	U		33.3 (Q)		
N-EtFOSE	U		33.3 (Q)		
3:3 FTCA	U		13.3 (Q)		
5:3 FTCA	U		83.3 (Q)		
7:3 FTCA	U		83.3 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL.

(2) Reporting Limit (Code): S = sample detection limit; M = method detection limit; L = lowest calibration level equivalent; Q = minimum reporting level.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____Aaron Kyle_____

TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS
REPORT

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811
Contract No.: 4066

Project No. N/A
Lab Sample I.D.: WG88605-101
Sample Size: 0.0600 L
Initial Calibration Date: 01-Mar-2023
Instrument ID: LCMS/MS
Column ID: C18
Sample Data Filename: FC4L_024 S: 34
Blank Data Filename: FC4L_024 S: 34
Cal. Ver. Data Filename: FC4L_024 S: 30

Matrix: AQUEOUS
Sample Receipt Date: N/A
Extraction Date: 29-Jan-2024
Analysis Date: 31-Jan-2024 Time: 21:09:43
Extract Volume (uL): 4000
Injection Volume (uL): 2
Dilution Factor: N/A
Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
This test is not NELAP accredited. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA	V	40.0	15.1	37.8		1.000
13C5-PFPeA		20.0	16.7	83.4		0.855
13C5-PFHxA		10.0	7.60	76.0	12.4	1.000
13C4-PFHpA		10.0	7.92	79.2		0.879
13C8-PFOA		10.0	8.18	81.8		1.000
13C9-PFNA		5.00	4.53	90.5		1.000
13C6-PFDA		5.00	4.32	86.4		1.000
13C7-PFUnA		5.00	4.10	81.9		1.041
13C2-PFDoA		5.00	3.86	77.2		1.077
13C2-PFTeDA		5.00	2.87	57.5		1.174
13C3-PFBS		10.0	9.34	93.2	2.47	0.770
13C3-PFHxS		10.0	9.91	99.0	2.43	1.000
13C8-PFOS		10.1	10.2	101	2.23	0.999
13C2-4:2 FTS		20.2	18.6	92.1	1.96	0.810
13C2-6:2 FTS		20.0	18.9	94.5	2.22	1.002
13C2-8:2 FTS		20.0	17.5	87.1	3.52	1.261
13C8-PFOSA	V	10.0	18.5	185		1.157
D3-N-MeFOSA		10.0	11.2	112		1.340
D5-N-EtFOSA		10.0	10.0	100		1.374
D3-MeFOSAA		20.0	25.5	128		1.298
D5-EtFOSAA		20.0	25.1	126		1.320
d7-NMe-FOSE		100	142	142		1.324
d9-NEt-FOSE		100	133	132		1.359

(1) Where applicable, custom lab flags have been used on this report; V = surrogate recovery is not within method/contract control limits.
(2) R(%) = percent recovery.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.
Signed: _____Aaron Kyle_____

PERFLUORINATED ORGANICS ONGOING PRECISION AND RECOVERY (OPR)

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Contract No.:	4066	Lab Sample I.D.:	WG88605-102
Matrix:	AQUEOUS	Initial Calibration Date:	01-Mar-2023
Extraction Date:	29-Jan-2024	Instrument ID:	LCMS/MS
Analysis Date:	31-Jan-2024 Time: 20:42:20	Column ID:	C18
Extract Volume (uL):	4000	OPR Data Filename:	FC4L_024 S: 32
Injection Volume (uL):	2	Blank Data Filename:	FC4L_024 S: 34
Dilution Factor:	N/A	Cal. Ver. Data Filename:	FC4L_024 S: 30

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT, BASED ON A 1 mL EXTRACT VOLUME.

COMPOUND	LAB FLAG ¹	RATIO	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	% RECOVERY	RRT
PFBA			45.2	52.4	116	1.003
PFPeA			33.3	33.8	102	1.000
PFHxA		4.50	32.1	29.9	93.2	1.000
PFHpA		2.11	28.8	24.8	86.0	1.000
PFOA		2.07	100	114	113	
PFNA		2.60	7.88	7.41	94.1	
PFDA		2.90	5.00	4.73	94.7	1.000
PFUnA		4.12	5.00	5.30	106	1.000
PFDoA		8.35	5.00	4.51	90.3	0.999
PFTTrDA		3.09	5.00	5.51	110	0.956
PFTeDA		2.58	5.00	4.95	99.0	1.000
PFBS		2.62	5.00	5.25	105	1.000
PFPeS		2.15	4.98	4.99	100	0.868
PFHxS		2.40	5.00	4.89	97.7	
PFHpS		2.03	5.01	5.61	112	0.938
PFOS		2.63	5.42	5.46	101	
PFNS		2.38	5.00	4.61	92.1	1.041
PFDS		2.41	5.00	4.87	97.4	1.079
PFDoS		2.29	5.00	4.07	81.5	1.182
4:2 FTS	U		100		0	
6:2 FTS	U		100		0	
8:2 FTS	U		100		0	
MeFOSAA	U		70.0		0	
EtFOSAA	U		70.0		0	

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____Aaron Kyle_____

These pages are part of a larger report that may contain information necessary for full data evaluation. Results reported relate only to the sample tested.

For Axys Internal Use Only [XSL Template: FC2-Form8A.xsl; Created: 28-Feb-2024 09:48:31; Application: XMLTransformer-1.18.48; Report Filename: PFC_FC_LC_PFA POSTTOP_WG88605-102_Form8A_SJ3388720.html; Workgroup: WG88605; Design ID: 3989]

PERFLUORINATED ORGANICS ONGOING PRECISION AND RECOVERY (OPR)

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Contract No.:	4066	Lab Sample I.D.:	WG88605-102
Matrix:	AQUEOUS	Initial Calibration Date:	01-Mar-2023
Extraction Date:	29-Jan-2024	Instrument ID:	LCMS/MS
Analysis Date:	31-Jan-2024 Time: 20:42:20	Column ID:	C18
Extract Volume (uL):	4000	OPR Data Filename:	FC4L_024 S: 32
Injection Volume (uL):	2	Blank Data Filename:	FC4L_024 S: 34
Dilution Factor:	N/A	Cal. Ver. Data Filename:	FC4L_024 S: 30

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT, BASED ON A 1 mL EXTRACT VOLUME.

LABELLED COMPOUND	LAB FLAG ¹	RATIO	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	% RECOVERY	RRT
13C4-PFBA			40.0	28.4	71.0	1.000
13C5-PFPeA			20.0	16.9	84.7	0.854
13C5-PFHxA		12.2	10.0	7.51	75.1	1.000
13C4-PFHpA			10.0	7.85	78.5	0.879
13C8-PFOA			10.0	7.69	76.9	1.000
13C9-PFNA			5.00	4.70	94.0	1.000
13C6-PFDA			5.00	4.45	89.0	1.000
13C7-PFUnA			5.00	4.13	82.5	1.042
13C2-PFDoA			5.00	4.07	81.3	1.078
13C2-PFTeDA			5.00	3.13	62.6	1.173
13C3-PFBS		2.74	10.0	9.43	94.1	0.770
13C3-PFHxS		2.46	10.0	9.88	98.7	1.000
13C8-PFOS		2.09	10.1	9.99	99.2	1.000
13C2-4:2 FTS		1.80	20.2	18.7	92.9	0.810
13C2-6:2 FTS		2.17	20.0	18.8	93.9	1.002
13C2-8:2 FTS		3.32	20.0	17.7	88.3	1.262
D3-MeFOSAA			20.0	25.2	126	1.299
D5-EtFOSAA			20.0	24.3	122	1.321

(1) Where applicable, custom lab flags have been used on this report.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____Aaron Kyle_____

These pages are part of a larger report that may contain information necessary for full data evaluation. Results reported relate only to the sample tested.

SGS AXYS METHOD MLA-111 Rev 03

Form 3A

INITIAL CALIBRATION RELATIVE RESPONSES

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Initial Calibration Date: 01-Mar-2023

Instrument ID: LC MS/MS

LC Column ID: C18

CS0 Data Filename: N/A

CS1 Data Filename: FC3L_107 S: 16

CS2 Data Filename: FC3L_107 S: 17

CS3 Data Filename: FC3L_107 S: 18

CS4 Data Filename: FC3L_107 S: 19

CS5 Data Filename: FC3L_107 S: 20

CS6 Data Filename: FC3L_107 S: 21

CS7 Data Filename: FC3L_107 S: 22

CS8 Data Filename: FC3L_107 S: 23

COMPOUND	LAB FLAG ¹	RELATIVE RESPONSE (RR)								MEAN RR	CV (%RSD) ²	
		CS0	CS1	CS2	CS3	CS4	CS5	CS6	CS7			CS8
PFBA			0.86	0.83	0.85	0.81	0.85	0.82	0.82	0.82	0.83	2.14
PFPeA			1.14	1.11	1.07	0.98	1.07	1.04	1.00	1.00	1.05	5.39
PFHxA			1.33	1.23	1.13	1.03	1.04	1.00	1.01	1.05	1.10	11.0
PFFHpA			1.15	1.24	1.20	1.13	1.16	1.11	1.13	1.13	1.16	3.70
PFOA			1.47	1.32	1.34	1.34	1.26	1.29	1.28	1.27	1.32	5.22
PFNA			1.08	1.00	0.99	1.04	0.99	0.99	0.98	0.97	1.01	3.77
PFDA			0.83	0.74	0.70	0.66	0.74	0.67	0.70	0.68	0.71	7.38
PFUnA			0.78	0.76	0.77	0.70	0.75	0.71	0.70	0.70	0.73	4.69
PFDaA			1.18	1.14	1.11	1.12	1.17	1.09	1.07	1.02	1.11	4.78
PFTTrDA			0.98	0.92	0.84	0.81	0.83	0.80	0.80	0.75	0.84	8.87
PFTeDA			0.87	0.83	0.77	0.75	0.78	0.76	0.74	0.68	0.77	7.62
PFBS			1.14	1.01	1.05	1.05	1.08	1.04	1.06	1.04	1.06	3.67
PFPeS			1.00	0.92	0.99	0.95	1.01	0.94	0.96	0.91	0.96	3.99
PFHxS			1.37	1.28	1.26	1.14	1.26	1.16	1.19	1.20	1.23	6.14
PFFHpS			1.11	1.09	1.00	0.97	1.02	0.99	1.00	0.93	1.01	5.99
PFOS			1.25	1.14	1.12	1.02	1.11	1.17	1.10	1.06	1.12	6.16
PFNS			1.05	1.00	1.02	0.97	1.01	0.96	0.99	0.97	0.99	2.96
PFDS			0.93	0.97	0.92	0.89	0.94	0.93	0.95	0.94	0.94	2.43
PFDoS			0.84	0.82	0.86	0.79	0.86	0.84	0.87	0.87	0.85	3.31
4:2 FTS			0.53	0.50	0.49	0.45	0.49	0.47	0.45	0.42	0.47	7.27
6:2 FTS			0.51	0.46	0.48	0.43	0.46	0.44	0.43	0.40	0.45	7.25
8:2 FTS			0.35	0.30	0.32	0.30	0.32	0.30	0.30	0.25	0.31	9.70
PFOSA			0.97	0.96	0.93	0.89	0.92	0.90	0.90	0.91	0.92	3.33
N-MeFOSA			0.90	1.05	0.93	0.93	0.92	0.96	0.95	0.90	0.94	4.82
N-EtFOSA			1.15	1.14	1.08	1.10	1.18	1.10	1.18	1.13	1.13	3.25
MeFOSAA			0.87	0.93	1.00	0.91	0.94	0.88	0.86		0.91	5.56
EtFOSAA			0.77	0.75	0.68	0.75	0.78	0.73	0.74		0.74	4.16
N-MeFOSE			0.81	0.78	0.77	0.74	0.77	0.76	0.74	0.73	0.76	3.65
N-EtFOSE			1.08	1.03	1.03	0.99	1.04	1.02	1.01	0.98	1.02	3.19
3:3 FTCA			0.07	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.07	8.61
5:3 FTCA			0.18	0.16	0.17	0.17	0.17	0.17	0.18	0.21	0.18	7.83
7:3 FTCA			0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.12	0.10	7.99

(1) Where applicable, custom lab flags have been used on this report.

(2) For contract CV specifications, see SGS AXYS METHOD MLA-111 Rev 03

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____ Jordan Berends _____

SGS AXYS METHOD MLA-111 Rev 03

Form 3B
INITIAL CALIBRATION RELATIVE RESPONSES

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Initial Calibration Date: 01-Mar-2023

Instrument ID: LC MS/MS

LC Column ID: C18

CS0 Data Filename: N/A

CS1 Data Filename: FC3L_107 S: 16

CS2 Data Filename: FC3L_107 S: 17

CS3 Data Filename: FC3L_107 S: 18

CS4 Data Filename: FC3L_107 S: 19

CS5 Data Filename: FC3L_107 S: 20

CS6 Data Filename: FC3L_107 S: 21

CS7 Data Filename: FC3L_107 S: 22

CS8 Data Filename: FC3L_107 S: 23

LABELED COMPOUND	LAB FLAG ¹	RELATIVE RESPONSE (RR)								MEAN RR	CV (%RSD) ²	
		CS0	CS1	CS2	CS3	CS4	CS5	CS6	CS7			CS8
13C4-PFBA			1.07	1.11	1.08	1.05	1.08	1.09	1.09	1.07	1.08	1.60
13C5-PFPeA			0.93	0.95	0.93	0.92	0.94	0.93	0.95	0.90	0.93	1.71
13C5-PFHxA			0.65	0.70	0.66	0.64	0.69	0.66	0.66	0.63	0.66	3.33
13C4-PFHpA			3.41	3.65	3.45	3.36	3.21	3.53	3.36	3.31	3.41	3.96
13C8-PFOA			3.71	3.92	3.85	3.61	3.62	3.81	3.68	3.81	3.75	3.04
13C9-PFNA			1.02	1.04	1.03	1.05	1.06	1.05	1.04	1.02	1.04	1.56
13C6-PFDA			0.99	1.10	1.05	1.02	1.02	1.04	1.00	1.01	1.03	3.30
13C7-PFUnA			1.07	1.14	1.11	1.07	1.10	1.09	1.06	1.04	1.08	3.02
13C2-PFDoA			0.88	0.94	0.91	0.85	0.87	0.90	0.88	0.95	0.90	3.90
13C2-PFTeDA			0.92	0.98	0.98	0.94	0.98	0.96	0.96	1.06	0.97	4.24
13C3-PFBS			1.31	1.40	1.31	1.24	1.37	1.30	1.25	1.08	1.28	7.48
13C3-PFHxS			1.10	1.15	1.12	1.07	1.12	1.11	1.12	1.10	1.11	2.19
13C8-PFOS			1.04	1.03	1.05	1.06	1.05	1.04	0.99	1.05	1.04	1.93
13C2-4:2 FTS			1.22	1.17	1.10	1.15	1.11	1.01	0.95	0.92	1.08	9.94
13C2-6:2 FTS			1.00	1.00	0.94	0.97	0.98	0.93	0.97	1.01	0.98	2.97
13C2-8:2 FTS			1.49	1.45	1.42	1.44	1.43	1.34	1.33	1.40	1.41	3.76
13C8-PFOSA			1.72	1.76	1.77	1.72	1.77	1.75	1.73	1.93	1.77	3.87
D3-N-MeFOSA			0.24	0.26	0.27	0.26	0.27	0.25	0.25	0.28	0.26	5.17
D5-N-EtFOSA			0.25	0.26	0.26	0.25	0.25	0.26	0.24	0.26	0.25	3.36
D3-MeFOSAA			0.45	0.45	0.46	0.42	0.47	0.50	0.62		0.48	13.6
D5-EtFOSAA			0.40	0.40	0.39	0.39	0.42	0.43	0.52		0.42	10.7
d7-NMe-FOSE			2.21	2.19	2.26	2.22	2.24	2.17	2.19	2.37	2.23	2.77
d9-NEt-FOSE			1.85	1.84	1.90	1.88	1.88	1.83	1.80	1.95	1.87	2.49

(1) Where applicable, custom lab flags have been used on this report.

(2) For contract CV specifications, see SGS AXYS METHOD MLA-111 Rev 03.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____ Jordan Berends _____

Form 3C
LC MS/MS INITIAL CALIBRATION RATIOS

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Initial Calibration Date: 01-Mar-2023

Instrument ID: LC MS/MS

LC Column ID: C18

CS0 Data Filename: N/A
CS1 Data Filename: FC3L_107 S: 16
CS2 Data Filename: FC3L_107 S: 17
CS3 Data Filename: FC3L_107 S: 18
CS4 Data Filename: FC3L_107 S: 19
CS5 Data Filename: FC3L_107 S: 20
CS6 Data Filename: FC3L_107 S: 21
CS7 Data Filename: FC3L_107 S: 22
CS8 Data Filename: FC3L_107 S: 23

COMPOUND	LAB FLAG ¹	RATIOS								
		CS0	CS1	CS2	CS3	CS4	CS5	CS6	CS7	CS8
PFBA										
PFPeA										
PFHxA			5.24	5.95	5.71	5.10	5.29	5.21	5.37	5.23
PFHpA			2.11	2.24	2.38	2.36	2.23	2.23	2.23	2.21
PFOA			2.14	1.90	2.05	2.03	1.95	1.99	2.00	1.99
PFNA			2.97	2.71	2.79	2.82	2.69	2.84	2.83	2.78
PFDA			3.28	3.99	2.90	3.07	3.10	2.98	3.12	3.01
PFUnA			5.66	5.27	4.47	4.61	4.63	4.60	4.49	4.49
PFDaA			7.35	7.43	7.38	7.72	7.38	7.27	7.30	7.39
PFTTrDA			3.39	3.56	3.13	3.19	3.16	3.16	3.17	3.20
PFTeDA			2.56	2.87	2.55	2.81	2.83	2.83	2.78	2.79
PFBS			2.64	2.75	2.72	2.70	2.75	2.74	2.76	2.72
PFPeS			2.35	2.06	2.47	2.30	2.27	2.33	2.37	2.34
PFHxS			2.33	2.29	2.49	2.42	2.61	2.44	2.50	2.45
PFHpS			2.38	2.02	2.09	2.03	2.15	2.08	2.09	2.07
PFOS			2.07	2.49	2.62	2.63	2.60	2.67	2.61	2.60
PFNS			2.39	2.19	2.34	2.41	2.27	2.28	2.24	2.30
PFDS			2.05	2.40	2.30	2.33	2.30	2.30	2.31	2.30
PFDoS			1.86	2.05	2.15	2.13	2.14	2.23	2.18	2.21
4:2 FTS			0.45	0.45	0.45	0.43	0.45	0.45	0.44	0.45
6:2 FTS			0.44	0.42	0.43	0.40	0.41	0.41	0.41	0.42
8:2 FTS			0.55	0.48	0.51	0.53	0.52	0.53	0.53	0.54
PFOSA										
N-MeFOSA			0.48	0.60	0.52	0.53	0.53	0.53	0.54	0.53
N-EtFOSA			0.49	0.53	0.49	0.51	0.52	0.53	0.54	0.53
MeFOSAA			1.36	2.00	2.51	2.02	1.92	1.89	1.91	
EtFOSAA			1.43	1.05	1.05	1.25	1.14	1.12	1.15	
N-MeFOSE										
N-EtFOSE										
3:3 FTCA			1.60	1.42	1.60	1.50	1.59	1.60	1.57	1.60
5:3 FTCA			1.37	1.31	1.40	1.40	1.39	1.40	1.41	1.41
7:3 FTCA			0.62	0.67	0.65	0.68	0.66	0.64	0.66	0.66

(1) Where applicable, custom lab flags have been used on this report.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____ Jordan Berends _____

Form 3D
LC MS/MS INITIAL CALIBRATION RATIOS

SGS AXYS ANALYTICAL SERVICES

2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Initial Calibration Date: 01-Mar-2023

Instrument ID: LC MS/MS

LC Column ID: C18

CS0 Data Filename: N/A
CS1 Data Filename: FC3L_107 S: 16
CS2 Data Filename: FC3L_107 S: 17
CS3 Data Filename: FC3L_107 S: 18
CS4 Data Filename: FC3L_107 S: 19
CS5 Data Filename: FC3L_107 S: 20
CS6 Data Filename: FC3L_107 S: 21
CS7 Data Filename: FC3L_107 S: 22
CS8 Data Filename: FC3L_107 S: 23

LABELED COMPOUND	LAB FLAG ¹	RATIOS								
		CS0	CS1	CS2	CS3	CS4	CS5	CS6	CS7	CS8
13C4-PFBA										
13C5-PFPeA										
13C5-PFHxA			14.8	14.6	14.9	13.9	14.9	15.4	16.1	14.7
13C4-PFHpA										
13C8-PFOA										
13C9-PFNA										
13C6-PFDA										
13C7-PFUnA										
13C2-PFDoA										
13C2-PFTeDA										
13C3-PFBS			2.83	2.71	2.68	2.63	2.82	2.82	2.70	2.77
13C3-PFHxS			2.45	2.41	2.44	2.36	2.39	2.49	2.50	2.50
13C8-PFOS			2.24	2.18	2.09	2.25	2.16	2.28	2.19	2.17
13C2-4:2 FTS			1.85	1.81	1.78	1.77	1.74	1.51	1.22	0.55
13C2-6:2 FTS			2.22	2.19	2.07	2.13	2.03	1.83	1.52	0.74
13C2-8:2 FTS			3.37	3.31	3.31	3.25	3.06	2.99	2.34	1.27
13C8-PFOSA										
D3-N-MeFOSA										
D5-N-EtFOSA										
D3-MeFOSAA										
D5-EtFOSAA										
d7-NMe-FOSE										
d9-NEt-FOSE										

(1) Where applicable, custom lab flags have been used on this report.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____Jordan Berends_____

Form 4A
LC MS/MS CALIBRATION VERIFICATION

SGS AXYS ANALYTICAL SERVICES
2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Initial Calibration Date:	01-Mar-2023	VER Data Filename:	FC4L_024 S: 30
Instrument ID:	LCMS/MS	Analysis Date:	31-Jan-2024
LC Column ID:	C18	Analysis Time:	20:14:41

COMPOUND	LAB FLAG ¹	RRT	QUANT TRANSITION	RATIO	EXPECTED CONC. (ng)	CONC. FOUND (ng)	RECOVERY (%)
PFBA		1.003	213 > 169		20.0	21.2	106
PFPeA		1.000	263 > 219		10.0	9.99	99.9
PFHxA		1.000	313 > 269	4.33	5.00	5.08	102
PFHpA		1.000	363 > 319	2.11	5.00	5.51	110
PFOA		1.000	413 > 369	2.12	5.00	5.67	113
PFNA		1.000	463 > 419	2.80	5.00	5.35	107
PFDA		1.000	513 > 469	2.82	5.00	4.78	95.6
PFUnA		1.000	563 > 519	4.21	5.00	5.18	104
PFDoA		1.000	613 > 569	7.97	4.06	4.51	111
PFTTrDA		0.956	663 > 619	3.03	5.00	5.37	107
PFTTeDA		1.000	713 > 669	2.80	5.00	5.43	109
PFBS		1.000	299 > 80	2.58	5.00	4.81	96.2
PFPeS		0.868	349 > 80	2.31	5.00	5.58	112
PFHxS		1.000	399 > 80	2.38	5.00	4.96	99.3
PFHpS		0.938	449 > 80	2.04	5.00	5.41	108
PFOS		1.000	499 > 80	2.44	5.00	4.85	97.1
PFNS		1.040	549 > 80	2.42	5.00	4.83	96.7
PFDS		1.079	599 > 80	2.47	5.00	5.28	106
PFDoS		1.182	699 > 80	2.23	5.00	4.67	93.3
4:2 FTS		0.999	327 > 307	0.41	20.0	20.4	102
6:2 FTS		0.999	427 > 407	0.39	18.0	19.1	107
8:2 FTS		1.000	527 > 507	0.56	17.0	17.9	105
PFOSA		1.000	498 > 78		5.00	5.57	111
N-MeFOSA		1.000	512 > 219	0.53	5.00	5.67	113
N-EtFOSA		1.001	526 > 219	0.51	14.0	14.9	107
MeFOSAA		1.000	570 > 419	2.04	5.00	5.04	101
EtFOSAA		1.001	584 > 419	1.17	5.00	5.11	102
N-MeFOSE		1.002	616 > 59		50.0	53.2	106
N-EtFOSE		1.002	630 > 59		50.0	52.0	104
3:3 FTCA			241 > 177	1.55	20.0	17.5	87.5
5:3 FTCA		1.062	341 > 237	1.45	125	140	112
7:3 FTCA		1.399	441 > 317	0.64	125	121	97.0

(1) Where applicable, custom lab flags have been used on this report.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____Aaron Kyle_____

Form 4B
LC MS/MS CALIBRATION VERIFICATION

SGS AXYS ANALYTICAL SERVICES
2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Initial Calibration Date:	01-Mar-2023	VER Data Filename:	FC4L_024 S: 30
Instrument ID:	LCMS/MS	Analysis Date:	31-Jan-2024
LC Column ID:	C18	Analysis Time:	20:14:41

LABELLED COMPOUND	LAB FLAG ¹	RRT	QUANT TRANSITION	RATIO	EXPECTED CONC. (ng)	CONC. FOUND (ng)	RECOVERY (%)
13C4-PFBA		1.000	217 > 172		40.0	37.8	94.6
13C5-PFPeA		0.856	268 > 223		20.0	21.0	105
13C5-PFHxA		1.000	318 > 273	11.8	10.0	8.95	89.5
13C4-PFHpA		0.878	367 > 322		10.0	9.92	99.2
13C8-PFOA		1.000	421 > 376		10.0	9.64	96.4
13C9-PFNA		1.000	472 > 427		5.00	5.22	104
13C6-PFDA		0.999	519 > 474		5.00	4.89	97.9
13C7-PFUnA		1.041	570 > 525		5.00	4.60	92.1
13C2-PFDoA		1.076	615 > 570		5.00	4.51	90.2
13C2-PFTeDA		1.172	715 > 670		5.00	3.84	76.8
13C3-PFBS		0.770	302 > 80	2.56	10.0	10.4	104
13C3-PFHxS		1.000	402 > 80	2.39	10.0	9.99	99.7
13C8-PFOS		1.000	507 > 80	2.15	10.1	10.9	108
13C2-4:2 FTS		0.811	329 > 81	1.83	20.2	21.1	104
13C2-6:2 FTS		1.002	429 > 81	2.15	20.0	20.3	101
13C2-8:2 FTS		1.262	529 > 81	3.41	20.0	19.4	96.6
13C8-PFOSA		1.157	506 > 78		10.0	16.9	169
D3-N-MeFOSA		1.340	515 > 219		10.0	9.97	99.7
D5-N-EtFOSA		1.374	531 > 219		10.0	9.14	91.4
D3-MeFOSAA		1.299	573 > 419		20.0	26.2	131
D5-EtFOSAA		1.321	589 > 419		20.0	27.2	136
d7-NMe-FOSE		1.324	623 > 59		100	120	119
d9-NEt-FOSE		1.359	639 > 59		100	107	107

(1) Where applicable, custom lab flags have been used on this report.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____Aaron Kyle_____

Form 4A
LC MS/MS CALIBRATION VERIFICATION

SGS AXYS ANALYTICAL SERVICES
2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Initial Calibration Date: 01-Mar-2023 VER Data Filename: FC4L_024 S: 41
Instrument ID: LCMS/MS Analysis Date: 31-Jan-2024
LC Column ID: C18 Analysis Time: 22:44:25

COMPOUND	LAB FLAG ¹	RRT	QUANT TRANSITION	RATIO	EXPECTED CONC. (ng)	CONC. FOUND (ng)	RECOVERY (%)
PFBA		1.003	213 > 169		20.0	21.3	107
PFPeA		1.000	263 > 219		10.0	9.94	99.4
PFHxA		1.000	313 > 269	4.19	5.00	4.90	98.0
PFFHpA		1.000	363 > 319	2.14	5.00	5.27	105
PFOA		1.000	413 > 369	2.06	5.00	5.48	110
PFNA		1.000	463 > 419	2.78	5.00	5.39	108
PFDA		1.000	513 > 469	2.88	5.00	5.33	107
PFUnA		1.001	563 > 519	4.14	5.00	5.19	104
PFDaA		1.000	613 > 569	8.12	4.06	4.41	109
PFTTrDA		0.955	663 > 619	2.90	5.00	5.21	104
PFTTeDA		1.000	713 > 669	2.55	5.00	5.03	101
PFBS		1.000	299 > 80	2.61	5.00	5.03	101
PFPeS		0.868	349 > 80	2.29	5.00	5.54	111
PFHxS		1.001	399 > 80	2.37	5.00	5.02	100
PFFHpS		0.938	449 > 80	2.24	5.00	5.63	113
PFOS		1.000	499 > 80	2.65	5.00	5.05	101
PFNS		1.041	549 > 80	2.33	5.00	4.79	95.8
PFDS		1.079	599 > 80	2.30	5.00	4.98	99.6
PFDaS		1.183	699 > 80	2.22	5.00	4.51	90.1
4:2 FTS		1.000	327 > 307	0.43	20.0	21.0	105
6:2 FTS		1.001	427 > 407	0.39	18.0	18.8	105
8:2 FTS		1.000	527 > 507	0.55	17.0	18.3	108
PFOSA		1.001	498 > 78		5.00	5.63	113
N-MeFOSA		1.000	512 > 219	0.53	5.00	5.70	114
N-EtFOSA		1.001	526 > 219	0.51	14.0	15.5	110
MeFOSAA		1.000	570 > 419	1.90	5.00	4.58	91.6
EtFOSAA		1.001	584 > 419	1.16	5.00	4.99	99.8
N-MeFOSE		1.002	616 > 59		50.0	53.4	107
N-EtFOSE		1.002	630 > 59		50.0	53.7	107
3:3 FTCA			241 > 177	1.71	20.0	18.2	90.9
5:3 FTCA		1.063	341 > 237	1.45	125	139	111
7:3 FTCA		1.401	441 > 317	0.64	125	119	95.3

(1) Where applicable, custom lab flags have been used on this report.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____Aaron Kyle_____

Form 4B
LC MS/MS CALIBRATION VERIFICATION

SGS AXYS ANALYTICAL SERVICES
2045 MILLS RD., SIDNEY, B.C., CANADA
V8L 5X2 TEL (250) 655-5800 FAX (250) 655-5811

Initial Calibration Date:	01-Mar-2023	VER Data Filename:	FC4L_024 S: 41
Instrument ID:	LCMS/MS	Analysis Date:	31-Jan-2024
LC Column ID:	C18	Analysis Time:	22:44:25

LABELLED COMPOUND	LAB FLAG ¹	RRT	QUANT TRANSITION	RATIO	EXPECTED CONC. (ng)	CONC. FOUND (ng)	RECOVERY (%)
13C4-PFBA		0.997	217 > 172		40.0	37.7	94.2
13C5-PFPeA		0.856	268 > 223		20.0	20.7	104
13C5-PFHxA		1.000	318 > 273	11.5	10.0	9.20	92.0
13C4-PFHpA		0.878	367 > 322		10.0	10.0	100
13C8-PFOA		0.999	421 > 376		10.0	9.57	95.7
13C9-PFNA		1.000	472 > 427		5.00	5.30	106
13C6-PFDA		1.000	519 > 474		5.00	4.67	93.4
13C7-PFUnA		1.041	570 > 525		5.00	4.62	92.4
13C2-PFDoA		1.078	615 > 570		5.00	4.70	94.0
13C2-PFTeDA		1.174	715 > 670		5.00	4.01	80.2
13C3-PFBS		0.770	302 > 80	2.62	10.0	10.6	106
13C3-PFHxS		1.000	402 > 80	2.48	10.0	10.4	104
13C8-PFOS		1.000	507 > 80	2.23	10.1	10.6	106
13C2-4:2 FTS		0.810	329 > 81	1.72	20.2	20.2	100
13C2-6:2 FTS		1.001	429 > 81	2.07	20.0	21.0	105
13C2-8:2 FTS		1.261	529 > 81	3.25	20.0	19.5	97.3
13C8-PFOSA		1.157	506 > 78		10.0	16.3	163
D3-N-MeFOSA		1.340	515 > 219		10.0	9.86	98.6
D5-N-EtFOSA		1.374	531 > 219		10.0	8.89	88.9
D3-MeFOSAA		1.298	573 > 419		20.0	28.6	143
D5-EtFOSAA		1.320	589 > 419		20.0	28.6	143
d7-NMe-FOSE		1.324	623 > 59		100	116	116
d9-NEt-FOSE		1.359	639 > 59		100	105	105

(1) Where applicable, custom lab flags have been used on this report.

These data are validated and reported as accurate and in accord with SGS AXYS Analytical Services Ltd. ISO17025 compliant quality assurance processes.

Signed: _____Aaron Kyle_____

Accreditation Scope			
SGS AXYS Analytical Services Ltd. file ref.: ACC-103 Rev. 70			
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID
OC Pesticides	Alpha-HCH	SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides		EPA 625	MLA-007
OC Pesticides		EPA 8270E	MLA-007
OC Pesticides		EPA 1699	MLA-028
OC Pesticides		SGS AXYS MLA-028	MLA-028
OC Pesticides		SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides	Beta-HCH	EPA 625	MLA-007
OC Pesticides		EPA 8270E	MLA-007
OC Pesticides		EPA 1699	MLA-028
OC Pesticides		SGS AXYS MLA-028	MLA-028
OC Pesticides		SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides		EPA 8270E	MLA-007
OC Pesticides		EPA 1699	MLA-028
OC Pesticides	Chlordane, technical	SGS AXYS MLA-028	MLA-028
OC Pesticides		SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides		EPA 8270E	MLA-007
OC Pesticides		SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides		EPA 8270E	MLA-007
OC Pesticides		EPA 1699	MLA-028
OC Pesticides	cis-Chlordane (alpha-Chlordane)	SGS AXYS MLA-028	MLA-028
OC Pesticides		SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides		EPA 8270E	MLA-007
OC Pesticides		EPA 1699	MLA-028
OC Pesticides		SGS AXYS MLA-028	MLA-028
OC Pesticides		SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides	cis-Nonachlor	EPA 8270E	MLA-007
OC Pesticides		EPA 1699	MLA-028
OC Pesticides		SGS AXYS MLA-028	MLA-028
OC Pesticides		SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides		EPA 8270E	MLA-007
OC Pesticides		EPA 1699	MLA-028
OC Pesticides		SGS AXYS MLA-028	MLA-028
OC Pesticides	Delta-HCH	SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides		EPA 608	MLA-007
OC Pesticides		EPA 8081B	MLA-007
OC Pesticides		EPA 1699	MLA-028
OC Pesticides		SGS AXYS MLA-028	MLA-028
OC Pesticides		SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides	Dieldrin	EPA 608	MLA-007
OC Pesticides		EPA 8081B	MLA-007
OC Pesticides		EPA 1699	MLA-028
OC Pesticides		SGS AXYS MLA-028	MLA-028
OC Pesticides		SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides		EPA 608	MLA-007
OC Pesticides		EPA 8081B	MLA-007
OC Pesticides	Endosulphan I	EPA 1699	MLA-028
OC Pesticides		SGS AXYS MLA-028	MLA-028
OC Pesticides		SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides		EPA 608	MLA-007
OC Pesticides		EPA 8081B	MLA-007
OC Pesticides		EPA 1699	MLA-028
OC Pesticides		SGS AXYS MLA-028	MLA-028
OC Pesticides	Endosulphan II	SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides		EPA 608	MLA-007
OC Pesticides		EPA 8081B	MLA-007
OC Pesticides		EPA 1699	MLA-028
OC Pesticides		SGS AXYS MLA-028	MLA-028
OC Pesticides		SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides	Endosulphan sulphate	EPA 608	MLA-007
OC Pesticides		EPA 8081B	MLA-007
OC Pesticides		EPA 1699	MLA-028
OC Pesticides		SGS AXYS MLA-028	MLA-028
OC Pesticides		SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides		EPA 608	MLA-007
OC Pesticides		EPA 8081B	MLA-007
OC Pesticides	Endrin	EPA 1699	MLA-028
OC Pesticides		SGS AXYS MLA-028	MLA-028
OC Pesticides		SGS AXYS MLA-007	MLA-007
OC Pesticides		SGS AXYS MLA-228	MLA-228
OC Pesticides		EPA 608	MLA-007
OC Pesticides		EPA 8081B	MLA-007
OC Pesticides		EPA 1699	MLA-028
OC Pesticides		SGS AXYS MLA-028	MLA-028

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids										Tissue and Tissue Flora	Urine					Water		Water, Non-Potable										AFF					
				CAIA	Alaska DEC	ANAB bDd **	ANAB ISO 17025	CAIA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB bDd **	ANAB ISO 17025	CAIA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	CAIA	Alaska DEC	ANAB bDd **	ANAB ISO 17025	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB bDd **	ANAB ISO 17025
OC Pesticides	Endrin ketone	SGS AXYS MLA-028	MLA-028	Y				Y	Y						Y			Y	Y					Y					Y						Y			
OC Pesticides		SGS AXYS MLA-007	MLA-007					Y	Y																													
OC Pesticides		SGS AXYS MLA-228	MLA-228					Y	Y						Y	Y		Y	Y				Y											Y	Y			
OC Pesticides		EPA 8081B	MLA-007						Y	Y				Y	Y																							
OC Pesticides	Gamma-HCH (Lindane)	EPA 1699	MLA-028						Y										Y																			
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y				Y	Y						Y			Y	Y					Y														
OC Pesticides		SGS AXYS MLA-007	MLA-007					Y	Y									Y					Y															
OC Pesticides		SGS AXYS MLA-228	MLA-228					Y	Y						Y	Y		Y	Y			Y		Y											Y	Y		
OC Pesticides	Heptachlor	EPA 625	MLA-007																									Y	Y	Y			Y					
OC Pesticides		EPA 8270E	MLA-007						Y	Y	Y			Y	Y	Y																						
OC Pesticides		EPA 1699	MLA-028						Y										Y										Y									
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y				Y	Y						Y			Y	Y					Y					Y									
OC Pesticides	Heptachlor epoxide	SGS AXYS MLA-007	MLA-007					Y	Y									Y					Y						Y									
OC Pesticides		SGS AXYS MLA-228	MLA-228					Y	Y						Y	Y		Y	Y			Y		Y					Y						Y	Y		
OC Pesticides		EPA 608	MLA-007																									Y	Y	Y			Y					
OC Pesticides		EPA 8081B	MLA-007						Y	Y	Y			Y	Y	Y																						
OC Pesticides	Hexachlorobenzene	EPA 1699	MLA-028						Y										Y										Y									
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y				Y	Y						Y			Y	Y					Y					Y									
OC Pesticides		SGS AXYS MLA-007	MLA-007					Y	Y									Y					Y						Y									
OC Pesticides		SGS AXYS MLA-228	MLA-228					Y	Y						Y	Y		Y	Y			Y		Y					Y						Y	Y		
OC Pesticides	Methoxychlor	EPA 1625	MLA-007																									Y	Y				Y					
OC Pesticides		EPA 8270E	MLA-007							Y	Y			Y	Y	Y																						
OC Pesticides		EPA 1699	MLA-028						Y										Y										Y									
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y				Y	Y						Y			Y	Y					Y					Y									
OC Pesticides	Mirex	SGS AXYS MLA-007	MLA-007					Y	Y									Y					Y						Y									
OC Pesticides		SGS AXYS MLA-228	MLA-228					Y	Y						Y	Y		Y	Y			Y		Y					Y						Y	Y		
OC Pesticides		EPA 8270E	MLA-007						Y					Y	Y														Y	Y				Y				
OC Pesticides		EPA 1699	MLA-028						Y										Y										Y									
OC Pesticides	Oxychlorodane	SGS AXYS MLA-028	MLA-028	Y				Y	Y						Y			Y	Y					Y					Y									
OC Pesticides		SGS AXYS MLA-007	MLA-007					Y	Y									Y					Y						Y									
OC Pesticides		SGS AXYS MLA-228	MLA-228					Y	Y						Y	Y		Y	Y			Y		Y					Y						Y	Y		
OC Pesticides		EPA 8270E	MLA-007						Y																													
OC Pesticides	Toxaphene	EPA 1699	MLA-028						Y										Y										Y									
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y				Y	Y						Y			Y	Y					Y					Y									
OC Pesticides		SGS AXYS MLA-007	MLA-007					Y	Y									Y					Y						Y									
OC Pesticides		SGS AXYS MLA-228	MLA-228					Y	Y						Y	Y		Y	Y			Y		Y					Y						Y	Y		
OC Pesticides	trans-Chlordane (gamma-Chlordane)	EPA 8270E	MLA-007																																			
OC Pesticides		SGS AXYS MLA-007	MLA-007					Y																														
OC Pesticides		EPA 1699	MLA-028						Y										Y										Y									
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y				Y	Y						Y			Y	Y					Y					Y									
OC Pesticides	trans-Nonachlor	SGS AXYS MLA-007	MLA-007					Y	Y									Y					Y						Y									
OC Pesticides		SGS AXYS MLA-228	MLA-228					Y	Y						Y	Y		Y	Y			Y		Y					Y									
OC Pesticides		EPA 8270E	MLA-007						Y						Y																							
OC Pesticides		EPA 1699	MLA-028						Y										Y										Y									
OC Pesticides	PAH	SGS AXYS MLA-028	MLA-028	Y				Y	Y						Y			Y	Y				Y						Y									
OC Pesticides		SGS AXYS MLA-007	MLA-007					Y	Y									Y					Y						Y									
OC Pesticides		SGS AXYS MLA-228	MLA-228					Y	Y						Y	Y		Y	Y			Y		Y					Y									
OC Pesticides		SGS AXYS MLA-021	MLA-021					Y																														
OC Pesticides	PAH	EPA 8270E	MLA-021						Y																													
OC Pesticides		EPA 1625	MLA-021																																			
OC Pesticides		SGS AXYS MLA-021	MLA-021					Y																														
OC Pesticides		SGS AXYS MLA-021	MLA-021					Y																														
OC Pesticides	PAH	SGS AXYS MLA-021	MLA-021					Y																														
OC Pesticides		SGS AXYS MLA-021	MLA-021					Y																														
OC Pesticides	PAH	1,7-Dimethylfluorene	SGS AXYS MLA-021					Y																														

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Tissue and Tissue Flora	Urine	Water	Water, Non-Potable	AFF
				CAIA Alaska DEC ANAB bDd ** ANAB ISO 17025 CAIA California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Virginia DGS Washington DE ANAB bDd ** ANAB ISO 17025 CAIA Florida DOH Minnesota DOH New Jersey DEP Virginia DGS CAIA Alaska DEC ANAB bDd ** ANAB ISO 17025 California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Pennsylvania DEP Virginia DGS Washington DE ** ANAB bDd ** ANAB ISO 17025					
PAH	C2-Naphthalenes	SGS AXYS MLA-021	MLA-021						
PAH	C2-Phenanthrenes/Anthracenes	SGS AXYS MLA-021	MLA-021						
PAH	C3-Benz(a)anthracenes/Chrysenes	SGS AXYS MLA-021	MLA-021						
PAH	C3-Dibenzothiophene	SGS AXYS MLA-021	MLA-021						
PAH	C3-Fluoranthenes/Pyrenes	SGS AXYS MLA-021	MLA-021						
PAH	C3-Fluorenes	SGS AXYS MLA-021	MLA-021						
PAH	C3-Naphthalenes	SGS AXYS MLA-021	MLA-021						
PAH	C3-Phenanthrenes/Anthracenes	SGS AXYS MLA-021	MLA-021						
PAH	C4-Benz(a)anthracenes/Chrysenes	SGS AXYS MLA-021	MLA-021						
PAH	C4-Dibenzothiophene	SGS AXYS MLA-021	MLA-021						
PAH	C4-Fluoranthenes/Pyrenes	SGS AXYS MLA-021	MLA-021						
PAH	C4-Naphthalenes	SGS AXYS MLA-021	MLA-021						
PAH	C4-Phenanthrenes/Anthracenes	SGS AXYS MLA-021	MLA-021						
PAH	Chrysene	EPA 1625	MLA-021						
PAH		EPA 8270E	MLA-021						
PAH		SGS AXYS MLA-021	MLA-021						
PAH	Dibenzo[a,h]anthracene	EPA 1625	MLA-021						
PAH		EPA 8270E	MLA-021						
PAH		SGS AXYS MLA-021	MLA-021						
PAH	Dibenzothiophene	SGS AXYS MLA-021	MLA-021						
PAH	Fluoranthene	EPA 1625	MLA-021						
PAH		EPA 8270E	MLA-021						
PAH		SGS AXYS MLA-021	MLA-021						
PAH	Fluorene	EPA 1625	MLA-021						
PAH		EPA 8270E	MLA-021						
PAH		SGS AXYS MLA-021	MLA-021						
PAH	Indeno[1,2,3-cd]pyrene	EPA 1625	MLA-021						
PAH		EPA 8270E	MLA-021						
PAH		SGS AXYS MLA-021	MLA-021						
PAH	Naphthalene	EPA 1625	MLA-021						
PAH		EPA 8270E	MLA-021						
PAH		SGS AXYS MLA-021	MLA-021						
PAH	Perylene	SGS AXYS MLA-021	MLA-021						
PAH	Phenanthrene	EPA 1625	MLA-021						
PAH		EPA 8270E	MLA-021						
PAH		SGS AXYS MLA-021	MLA-021						
PAH	Pyrene	EPA 1625	MLA-021						
PAH		EPA 8270E	MLA-021						
PAH		SGS AXYS MLA-021	MLA-021						
PAH	Retene	SGS AXYS MLA-021	MLA-021						
PBDE	BDE 10 2,6-dibromodiphenylether	EPA 1614	MLA-033						
PBDE		SGS AXYS MLA-033	MLA-033						
PBDE	BDE 100 2,2',4,4',6-pentabromodiphenylether	EPA 1614	MLA-033						
PBDE		SGS AXYS MLA-033	MLA-033						
PBDE	BDE 105 2,3,3',4,4'-pentabromodiphenylether	EPA 1614	MLA-033						
PBDE		SGS AXYS MLA-033	MLA-033						
PBDE	BDE 11 3,3'-dibromodiphenylether	EPA 1614	MLA-033						
PBDE		SGS AXYS MLA-033	MLA-033						
PBDE	BDE 116 2,3,4,5,6-pentabromodiphenylether	EPA 1614	MLA-033						
PBDE		SGS AXYS MLA-033	MLA-033						
PBDE	BDE 119 2,3',4,4',6-pentabromodiphenylether	EPA 1614	MLA-033						
PBDE		SGS AXYS MLA-033	MLA-033						
PBDE	BDE 12 3,4-dibromodiphenylether	EPA 1614	MLA-033						
PBDE		SGS AXYS MLA-033	MLA-033						
PBDE	BDE 126 3,3',4,4',5-pentabromodiphenylether	EPA 1614	MLA-033						
PBDE		SGS AXYS MLA-033	MLA-033						
PBDE	BDE 13 3,4'-dibromodiphenylether	EPA 1614	MLA-033						
PBDE		SGS AXYS MLA-033	MLA-033						
PBDE	BDE 140 2,2',3,4,4',6'-hexabromodiphenylether	EPA 1614	MLA-033						
PBDE		SGS AXYS MLA-033	MLA-033						
PBDE	BDE 15 4,4'-dibromodiphenylether	EPA 1614	MLA-033						
PBDE		SGS AXYS MLA-033	MLA-033						
PBDE	BDE 153 2,2',4,4',5,5'-hexabromodiphenylether	EPA 1614	MLA-033						
PBDE		SGS AXYS MLA-033	MLA-033						
PBDE	BDE 154 2,2',4,4',5',6-hexabromodiphenylether	EPA 1614	MLA-033						
PBDE		SGS AXYS MLA-033	MLA-033						

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Tissue and Tissue Flora	Urine	Water	Water, Non-Potable	AFF
				CAIA Alaska DEC ANAB bDd ** ANAB ISO 17025 CAIA California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Virginia DGS Washington DE	CAIA Alaska DEC ANAB bDd ** ANAB ISO 17025 CAIA California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Virginia DGS Washington DE	CAIA Alaska DEC ANAB bDd ** ANAB ISO 17025 CAIA California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Virginia DGS Washington DE	CAIA Alaska DEC ANAB bDd ** ANAB ISO 17025 CAIA California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Virginia DGS Washington DE	CAIA Alaska DEC ANAB bDd ** ANAB ISO 17025 CAIA California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Virginia DGS Washington DE	CAIA Alaska DEC ANAB bDd ** ANAB ISO 17025 CAIA California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Virginia DGS Washington DE
PCB congeners	PCB 135 2,2',3,3',5,6'-Hexachlorobiphenyl	EPA 1668	MLA-010						
PCB congeners		SGS AXYS MLA-010	MLA-010	Y			Y		
PCB congeners		SGS AXYS MLA-210	MLA-210		Y				
PCB congeners		SGS AXYS MLA-908	MLA-908		Y				
PCB congeners	PCB 136 2,2',3,3',6,6'-Hexachlorobiphenyl	EPA 1628	MLA-908						
PCB congeners		EPA 1668	MLA-010						
PCB congeners		EPA 8270E	MLA-007						
PCB congeners		SGS AXYS MLA-010	MLA-010	Y			Y		
PCB congeners	PCB 137 2,2',3,4,4',5-Hexachlorobiphenyl	SGS AXYS MLA-007	MLA-007		Y		Y		
PCB congeners		SGS AXYS MLA-210	MLA-210		Y				
PCB congeners		SGS AXYS MLA-908	MLA-908		Y				
PCB congeners		EPA 1628	MLA-908		Y				
PCB congeners	PCB 138 2,2',3,4,4',5'-Hexachlorobiphenyl	EPA 1668	MLA-010						
PCB congeners		SGS AXYS MLA-010	MLA-010	Y			Y		
PCB congeners		SGS AXYS MLA-007	MLA-007		Y		Y		
PCB congeners		SGS AXYS MLA-210	MLA-210		Y				
PCB congeners	PCB 138/163/164	SGS AXYS MLA-908	MLA-908		Y		Y		
PCB congeners		EPA 1628	MLA-908		Y				
PCB congeners		EPA 8270E	MLA-007						
PCB congeners		SGS AXYS MLA-007	MLA-007		Y		Y		
PCB congeners	PCB 139 2,2',3,4,4',6-Hexachlorobiphenyl	EPA 1668	MLA-010						
PCB congeners		SGS AXYS MLA-010	MLA-010	Y			Y		
PCB congeners		SGS AXYS MLA-210	MLA-210		Y				
PCB congeners		SGS AXYS MLA-908	MLA-908		Y		Y		
PCB congeners	PCB 14 3,5-Dichlorobiphenyl	EPA 1628	MLA-908		Y				
PCB congeners		EPA 1668	MLA-010						
PCB congeners		EPA 8270E	MLA-007						
PCB congeners		SGS AXYS MLA-010	MLA-010	Y			Y		
PCB congeners	PCB 140 2,2',3,4,4',6'-Hexachlorobiphenyl	SGS AXYS MLA-210	MLA-210		Y		Y		
PCB congeners		SGS AXYS MLA-908	MLA-908		Y		Y		
PCB congeners		EPA 1628	MLA-908		Y				
PCB congeners		EPA 1668	MLA-010						
PCB congeners	PCB 141 2,2',3,4,5,5'-Hexachlorobiphenyl	SGS AXYS MLA-010	MLA-010	Y			Y		
PCB congeners		SGS AXYS MLA-007	MLA-007		Y		Y		
PCB congeners		SGS AXYS MLA-210	MLA-210		Y				
PCB congeners		SGS AXYS MLA-908	MLA-908		Y		Y		
PCB congeners	PCB 142 2,2',3,4,5,6'-Hexachlorobiphenyl	EPA 1628	MLA-908		Y				
PCB congeners		EPA 1668	MLA-010						
PCB congeners		SGS AXYS MLA-010	MLA-010	Y			Y		
PCB congeners		SGS AXYS MLA-210	MLA-210		Y				
PCB congeners	PCB 143 2,2',3,4,5,6'-Hexachlorobiphenyl	SGS AXYS MLA-908	MLA-908		Y		Y		
PCB congeners		EPA 1628	MLA-908		Y				
PCB congeners		EPA 1668	MLA-010						
PCB congeners		SGS AXYS MLA-010	MLA-010	Y			Y		
PCB congeners	PCB 144 2,2',3,4,5'-Hexachlorobiphenyl	SGS AXYS MLA-210	MLA-210		Y		Y		
PCB congeners		SGS AXYS MLA-908	MLA-908		Y		Y		
PCB congeners		EPA 1628	MLA-908		Y				
PCB congeners		EPA 1668	MLA-010						

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	<div> <div>Serum</div> <div> <div>Solids</div> <div> <div>ANAB DoD **</div> <div>ANAB ISO 17025</div> <div> <div>CALA</div> <div>California WB</div> <div>Florida DOH</div> <div>Maine DOH</div> <div>Minnesota DOH</div> <div>New Jersey DEP</div> <div>New York DOH</div> <div>Virginia DGS</div> <div>Washington DE</div> </div> </div> </div> <div> <div>Tissue and Tissue Flora</div> <div> <div>ANAB DoD **</div> <div>ANAB ISO 17025</div> <div> <div>CALA</div> <div>Florida DOH</div> <div>Minnesota DOH</div> <div>New Jersey DEP</div> <div>Virginia DGS</div> </div> </div> </div> <div> <div>Urine</div> <div>CALA</div> </div> <div> <div>Water</div> <div> <div>Water, Non-Portable</div> <div> <div>Alaska DEC</div> <div>ANAB DoD **</div> <div>ANAB ISO 17025</div> <div>California WB</div> <div>Florida DOH</div> <div>Maine DOH</div> <div>Minnesota DOH</div> <div>New Jersey DEP</div> <div>New York DOH</div> <div>Pennsylvania DEP</div> <div>Virginia DGS</div> <div>Washington DE *</div> </div> </div> </div> <div> <div>AFF</div> <div>ANAB ISO 17025</div> </div> </div>																																				
				CALA	Alaska DEC	ANAB DoD **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoD **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	Urine	Water	Water, Non-Portable	Alaska DEC	ANAB DoD **	ANAB ISO 17025	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB DoD **	ANAB ISO 17025
PCB congeners	PCB 2 3-Chlorobiphenyl	EPA 1628	MLA-908							Y									Y										Y											
PCB congeners		EPA 1668	MLA-010							Y	Y		Y	Y	Y	Y			Y				Y							Y	Y		Y	Y	Y	Y	Y			
PCB congeners		EPA 8270E	MLA-007																																					
PCB congeners		SGS AXYS MLA-010	MLA-010	Y				Y	Y										Y	Y				Y		Y														
PCB congeners		SGS AXYS MLA-210	MLA-210					Y								Y						Y											Y	Y	Y	Y	Y			
PCB congeners		SGS AXYS MLA-908	MLA-908													Y	Y					Y		Y									Y	Y	Y	Y	Y			
PCB congeners	PCB 20 2,3,3'-Trichlorobiphenyl	EPA 1628	MLA-908							Y									Y											Y										
PCB congeners		EPA 1668	MLA-010							Y	Y		Y	Y	Y	Y			Y				Y							Y	Y		Y	Y	Y	Y	Y			
PCB congeners		SGS AXYS MLA-010	MLA-010	Y				Y	Y										Y	Y				Y		Y														
PCB congeners		SGS AXYS MLA-210	MLA-210					Y		Y						Y						Y				Y								Y	Y	Y	Y	Y		
PCB congeners		SGS AXYS MLA-908	MLA-908													Y	Y					Y		Y										Y	Y	Y	Y	Y		
PCB congeners		EPA 1628	MLA-908							Y												Y																		
PCB congeners	PCB 200 2,2',3,3',4,5,5',6,6'-Octachlorobiphenyl	EPA 1668	MLA-010							Y	Y		Y	Y	Y	Y			Y				Y							Y	Y			Y	Y	Y	Y	Y		
PCB congeners		EPA 8270E																																						

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Accreditation Scope									
SGS AXYS Analytical Services Ltd. file ref.: ACC-103 Rev. 70									
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids	Tissue and Tissue Flora	Urine	Water	Water, Non-Potable
				CALA	Alaska DEC ANAB DoD ** ANAB ISO 17025 CALA California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Virginia DGS Washington DE	ANAB DoD ** ANAB ISO 17025 CALA Florida DOH Minnesota DOH New Jersey DEP Virginia DGS Washington DE	CALA	CALA	Alaska DEC ANAB DoD ** ANAB ISO 17025 California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Pennsylvania DEP Virginia DGS Washington DE
PCDDF		EPA 8290A	MLA-017						
PCDDF		SGS AXYS MLA-017	MLA-017						
PCDDF		SGS AXYS MLA-217	MLA-217						
PCDDF		ATM 16130	MLA-217						
PCDDF	Total PCDD	EPA 1613	MLA-017						
PCDDF		EPA 8290A	MLA-017						
PCDDF	Total PCDD/F	EPA 1613	MLA-017						
PCDDF		EPA 8290A	MLA-017						
PCDDF	Total PCDF	EPA 1613	MLA-017						
PCDDF		EPA 8290A	MLA-017						
PCDDF	Total PeCDD	EPA 1613	MLA-017						
PCDDF		EPA 8290A	MLA-017						
PCDDF		SGS AXYS MLA-017	MLA-017						
PCDDF		SGS AXYS MLA-217	MLA-217						
PCDDF		ATM 16130	MLA-217						
PCDDF	Total PeCDF	EPA 1613	MLA-017						
PCDDF		EPA 8290A	MLA-017						
PCDDF		SGS AXYS MLA-017	MLA-017						
PCDDF		SGS AXYS MLA-217	MLA-217						
PCDDF		ATM 16130	MLA-217						
PCDDF	Total TCDD	EPA 1613	MLA-017						
PCDDF		EPA 8290A	MLA-017						
PCDDF		SGS AXYS MLA-017	MLA-017						
PCDDF		SGS AXYS MLA-217	MLA-217						
PCDDF		ATM 16130	MLA-217						
PCDDF	Total TCDF	EPA 1613	MLA-017						
PCDDF		EPA 8290A	MLA-017						
PCDDF		SGS AXYS MLA-017	MLA-017						
PCDDF		SGS AXYS MLA-217	MLA-217						
PCDDF		ATM 16130	MLA-217						
PFAS	"Per- and Polyfluorinated Alkyl Substances (PFAS)" category (CA only)	DoD QSM Version 5.1 (or new)	MLA-110						
PFAS	11-chloroicosafuoro-3-oxaundecane-1-sulfonate (11Cl-PF3OUdS)	SGS AXYS MLA-110	MLA-110						
PFAS	11-chloroicosafuoro-3-oxaundecane-1-sulfonate (11Cl-PF3OUdS)	SGS AXYS MLA-110	MLA-110						
PFAS	11-Chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	DoD QSM Version 5.3	MLA-110						
PFAS		DoD QSM Version 5.4	MLA-110						
PFAS	4,8-Dioxia-3H-perfluorononanoic acid (ADONA)	EPA 1633 draft	MLA-110						
PFAS		SGS AXYS MLA-110	MLA-110						
PFAS		DoD QSM Version 5.3	MLA-110						
PFAS		DoD QSM Version 5.4	MLA-110						
PFAS	4,8-dioxia-3H-perfluoronanonoate (ADONA)	EPA 1633 draft	MLA-110						
PFAS		SGS AXYS MLA-110	MLA-110						
PFAS		DoD QSM Version 5.3	MLA-110						
PFAS		DoD QSM Version 5.4	MLA-110						
PFAS	4:2 Fluorotelomersulfonate (4:2 FTS)	EPA 1633 draft	MLA-110						
PFAS		SGS AXYS MLA-110	MLA-110						
PFAS		DoD QSM Version 5.3	MLA-110						
PFAS		DoD QSM Version 5.4	MLA-110						
PFAS	6:2 Fluorotelomersulfonate (6:2 FTS)	EPA 1633 draft	MLA-110						
PFAS		SGS AXYS MLA-110	MLA-110						
PFAS		DoD QSM Version 5.3	MLA-110						
PFAS		DoD QSM Version 5.4	MLA-110						
PFAS	8:2 Fluorotelomersulfonate (8:2 FTS)	EPA 1633 draft	MLA-110						
PFAS		SGS AXYS MLA-110	MLA-110						
PFAS		DoD QSM Version 5.3	MLA-110						
PFAS		DoD QSM Version 5.4	MLA-110						
PFAS	9-chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF3ONS)	EPA 1633 draft	MLA-110						
PFAS		SGS AXYS MLA-110	MLA-110						
PFAS	9-chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF3ONS)	SGS AXYS MLA-110	MLA-110						
PFAS	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	DoD QSM Version 5.3	MLA-110						
PFAS		DoD QSM Version 5.4	MLA-110						
PFAS	Dodecafluoro-3H-4,8-dioxanonanoate (NaDONA)	EPA 1633 draft	MLA-110						
PFAS		SGS AXYS MLA-110	MLA-110						
PFAS		EPA 1633 draft	MLA-110						
PFAS	Hexafluoropropylene oxide dimer acid (HFPO-DA)	SGS AXYS MLA-110	MLA-110						
PFAS		DoD QSM Version 5.3	MLA-110						
PFAS		DoD QSM Version 5.4	MLA-110						
PFAS		EPA 1633 draft	MLA-110						
PFAS	Hexafluoropropylene oxide dimer acid, anion and acid (HFPO-DA)	SGS AXYS MLA-110	MLA-110						
PFAS	Hexafluoropropylene oxide dimer acid (HFPO-DA)	SGS AXYS MLA-110	MLA-110						
PFAS	N-Ethylperfluorooctane sulfonamide (EtFOSAm)	SGS AXYS MLA-110	MLA-110						
PFAS		DoD QSM Version 5.3	MLA-110						
PFAS		DoD QSM Version 5.4	MLA-110						

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Accreditation Scope			
SGS AXYS Analytical Services Ltd. file ref.: ACC-103 Rev. 70			
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID
PFAS		SGS AXYS MLA-042	MLA-042
PFAS		SGS AXYS MLA-110	MLA-110
PFAS		DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS		EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-110	MLA-110
PFAS	Perfluorotetradecanoate (PFTeDA)	DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS		EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-110	MLA-110
PFAS		DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS	Perfluorotridecanoate (PFTriDA)	EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-110	MLA-110
PFAS		DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS		EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-060	MLA-060
PFAS	Perfluoroundecanoate (PFUnA)	SGS AXYS MLA-041	MLA-041
PFAS		SGS AXYS MLA-043	MLA-043
PFAS		SGS AXYS MLA-042	MLA-042
PFAS		SGS AXYS MLA-110	MLA-110
PFAS		DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS	4,4,5,5,6,6,6-heptafluorohexanoic acid (3:3 FTCA)	EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-110	MLA-110
PFAS		DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS		EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-110	MLA-110
PFAS	2H,2H,3H,3H-perfluorooctanoic acid (5:3 FTCA)	DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS		EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-110	MLA-110
PFAS		DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS	2H,2H,3H,3H-perfluorodecanoic acid (7:3 FTCA)	EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-110	MLA-110
PFAS		DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS		EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-110	MLA-110
PFAS	Perfluoro-3-methoxypropanoic acid (PFMPA)	DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS		EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-110	MLA-110
PFAS		DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS	Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-110	MLA-110
PFAS		DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS		EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-110	MLA-110
PFAS	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS		EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-110	MLA-110
PFAS		DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS	Nonafluoro-3,6-dioxiheptanoic acid (NFDHA)	EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-110	MLA-110
PFAS		DoD QSM Version 5.3	MLA-110
PFAS		DoD QSM Version 5.4	MLA-110
PFAS		EPA 1633 draft	MLA-110
PFAS		SGS AXYS MLA-110	MLA-110
PPCP	1,7-Dimethylxanthine	EPA 1694	MLA-075
PPCP	10-hydroxy-amitriptyline	SGS AXYS MLA-075	MLA-075
PPCP	2-hydroxy-ibuprofen	SGS AXYS MLA-075	MLA-075
PPCP	4-Epiantihydrochlorotetracycline (EACTC)	EPA 1694	MLA-075
PPCP	4-Epiantihydrotetracycline (EATC)	SGS AXYS MLA-075	MLA-075
PPCP	4-Epiclorotetracycline (ECTC)	EPA 1694	MLA-075
PPCP	4-Epioxytetracycline (EOTC)	SGS AXYS MLA-075	MLA-075
PPCP	4-Epitetracycline (ETC)	EPA 1694	MLA-075
PPCP	Acetaminophen	SGS AXYS MLA-075	MLA-075
PPCP	Albuterol	EPA 1694	MLA-075
PPCP	Amitriptyline	SGS AXYS MLA-075	MLA-075
PPCP	Amlodipine	SGS AXYS MLA-075	MLA-075
PPCP	Amphetamine	SGS AXYS MLA-075	MLA-075
PPCP	Anhydrochlorotetracycline (ACTC)	EPA 1694	MLA-075
PPCP	Anhydrotetracycline (ATC)	SGS AXYS MLA-075	MLA-075
PPCP		EPA 1694	MLA-075
PPCP		SGS AXYS MLA-075	MLA-075

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Accreditation Scope																												
SGS AXYS Analytical Services Ltd. file ref.: ACC-103 Rev. 70																												
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID																									
				Serum	Solids											Tissue and Tissue Flora	Urine	Water	Water, Non-Potable	AFFF								
				CALA	Alaska DEC	ANAB DoD **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoD **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB DoD **	ANAB ISO 17025
PPCP																												
PPCP	Lincomycin	SGS AXYS MLA-075	MLA-075																									
PPCP		EPA 1694	MLA-075																									
PPCP		SGS AXYS MLA-075	MLA-075																									
PPCP	Lomefloxacin	EPA 1694	MLA-075																									
PPCP		SGS AXYS MLA-075	MLA-075																									
PPCP	Meprobamate	SGS AXYS MLA-075	MLA-075																									
PPCP	Metformin	EPA 1694	MLA-075																									
PPCP		SGS AXYS MLA-075	MLA-075																									
PPCP	Methylprednisolone	SGS AXYS MLA-075	MLA-075																									
PPCP	Metoprolol	SGS AXYS MLA-075	MLA-075																									
PPCP	Miconazole	EPA 1694	MLA-075																									
PPCP		SGS AXYS MLA-075	MLA-075																									
PPCP	Minocycline	EPA 1694	MLA-075																									
PPCP		SGS AXYS MLA-075	MLA-075																									
PPCP	Naproxen	EPA 1694	MLA-075																									
PPCP		SGS AXYS MLA-075	MLA-075																									
PPCP	Norfloxacin	EPA 1694	MLA-075																									
PPCP		SGS AXYS MLA-075	MLA-075																									
PPCP	Norflouxetine	SGS AXYS MLA-075	MLA-075																									
PPCP	Norgestimate	EPA 1694	MLA-075																									
PPCP		SGS AXYS MLA-075	MLA-075																									
PPCP	Norverapamil	SGS AXYS MLA-075	MLA-075		</																							

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-103 Rev. 70

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids	Tissue and Tissue Flora	Urine	Water	Water, Non-Potable	AFFF
				CALA	Alaska DEC ANAB DoD ** ANAB ISO 17025 CALA California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Virginia DGS Washington DE	ANAB DoD ** ANAB ISO 17025 CALA Florida DOH Minnesota DOH New Jersey DEP Virginia DGS	CALA	CALA	Alaska DEC ANAB DoD ** ANAB ISO 17025 California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Pennsylvania DEP Virginia DGS Washington DE *	ANAB DoD ** ANAB ISO 17025

ANAB DoD ANSI National Accreditation Board, certificate ADE-1861, (US DoD QSM 5.3 and 5.4 Standard)



CALA Canadian Association for Laboratory Accreditation Inc., Lab ID A2637, (ISO/IEC 17025:2017 Standard)

