

SGS

AXYS

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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## BATCH SUMMARY

<b>Batch ID:</b> WG89473	<b>Date:</b> 03-Jun-2024
<b>Analysis Type:</b> Perfluorinated Organic (Post)	<b>Matrix Type:</b> Biosolids human
<b>BATCH MAKEUP</b>	
<b>Contract:</b> 4066 <b>Samples:</b>  L40547-1 SIWWTP-BIOS_MIS (FC10214-1) L40547-2 HUWWTP-BIOS_MIS (FC10214-2) L40547-3 LAWWTP-BIOS_MIS (FC10214-3) L40547-4 LAWWTP-COMP_MIS (FC10214-4)	<b>Blank:</b> WG89473-101 WG89473-102  <b>Reference or Spike:</b> WG89473-103  <b>Duplicate:</b> WG89473-104 WG89473-105
<b>Comments:</b> <ol style="list-style-type: none"> <li>1. Data are considered final.</li> <li>2. Data are not blank corrected. Blank data should be taken into consideration when evaluating sample data.</li> <li>3. Blank data should be evaluated against specifications using the same blank sample size as the size of the client samples. Native PFPeA and PFHxA were detected in the Lab Blank (SGS AXYS ID: WG89771-101) but are meeting method specifications.</li> <li>4. In the continuing calibration verification (filenames: FC4L_131 S:41) some surrogates are observed above the upper method control limit. As the result for the associated targets are observed within method specifications data is not considered impacted.</li> <li>5. Percent recoveries of a few surrogates in the client samples and Lab QC were observed to be outside the method limits and these surrogates have been flagged with a 'V' on the report forms. As the isotope dilution method of quantification produces data that are recovery corrected, the slight variance from the method acceptance criteria is deemed not to affect the quantification of these analytes. Percent surrogate recoveries are used as a general method performance indicator only.</li> <li>6. In the client samples some of the model precursor compounds (6:2 FTS, PFOSA, N-MeFOSA) were detected marginally above method limits – indicating possible partially incomplete oxidation. Sample data for post-oxidation compounds may be slightly under-reported, although not significantly. In the case of N-MeFOSA these detections are flagged with "R" on report forms indicating these are not meeting peak criteria and are maximum concentrations.</li> <li>7. The reported concentration values represent the acid forms of the compounds.</li> <li>8. Samples underwent multi-increment sampling (MIS) at SGS Orlando before coming to SGS AXYS for analysis.</li> </ol>	

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February 2017

FQA-006 Rev. 4. 20-Sep-2013

SGS AXYS

FC10214

## 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	SPLP (MLA-110, MLA-111, MLA-119)	method 1314 - MLA-110, 111, 119
Address	2385 Waimano Home Rd #100 Pearl City, HI 96882		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)					
<del>LAWWTP-BIOS</del>										
SIWWTP-BIOS 1	biosolids	9/27/23	8:00 am	Freezer bag	L40547 - 1	X	X	X	X	
HUWWTP-BIOS 2	"	9/28/23	11:00 am	"	- 2	X	X	X	X	
LAWWTP-BIOS 3	"	9/20/23	12:00 pm	"	- 3	X	X	X	X	
LAWWTP-COMP 4	compost	9/20/23	12:00 pm	"	- 4	X	X	X	X	X
						INITIAL ASSESSMENT				
						LABEL VERIFICATION				
						20				
						SP				
Relinquished by (Signature)			Received by (Signature)			Courier		Waybill No.		
Date			Date							
Time			Time							
10/3/23 9:00 am			15-NOV-23 11:20							
Relinquished by (Signature)			Received by (Signature)			Sample Receipt				
Date			Date							
Time			Time							
FX			10/05/23							
Remarks						Temp °C		Cooler		
- Process using Multi-Increment sampling procedures (A-100)								5.2 TR #1		
- Test minimum 5g subsample						Custody Seal #				
- Recombine compost sample and send to Rob Caldwell at the Lakeview, Ontario lab for a soil column test. (Two leachate samples generated)						Seal Intact Y / N				
- Test leachate samples using MLA-110 and MLA-111 and MLA 119						Sample Tags		Y / N		
- Send subsamples of leachate to Eurofins Sacramento, for PFAS MTA analysis (TOPS & AUF)										
- SGS-Axys should also test the leachate for TOPS & TOF (filter before testing)										

Eurofins bottles  
 + CDC included  
 with compost  
 sample

## SGS AXYS METHOD MLA-111 Rev 03

## Form 1A

TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS  
REPORT

CLIENT SAMPLE NO.  
SIWWTP-BIOS\_MIS (FC10214-1)  
Sample Collection:  
27-Sep-2023 08:00

## 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.

WWTP BIOS AND COMP

Lab Sample I.D.:

L40547-1

Matrix: BIOSOLIDS HUMAN

Sample Size:

4.59 g (dry)

Sample Receipt Date: 15-Nov-2023

Initial Calibration Date:

01-Mar-2023

Extraction Date: 29-Apr-2024

Instrument ID:

LCMS/MS

Analysis Date: 03-May-2024 Time: 00:34:40

Column ID:

C18

Extract Volume (uL): 4000

Sample Data Filename:

FC4L\_131 S: 47

Injection Volume (uL): 2

Blank Data Filename:

FC4L\_131 S: 46

Dilution Factor: N/A

Cal. Ver. Data Filename:

FC4L\_131 S: 41

Concentration Units: ng/g (dry weight basis)

% Moisture:

8.29

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 <sup>1</sup>	CONC. FOUND	REPORTING LIMIT (RL) <sup>2</sup>	RATIO	RRT
PFBA		44.0	0.876 (Q)		1.004
PFPeA		47.2	0.438 (Q)		1.000
PFHxA		34.4	0.219 (Q)	4.36	1.000
PFHpA		11.0	0.219 (Q)	2.05	1.000
PFOA		12.3	0.219 (Q)	1.90	
PFNA		4.75	0.219 (Q)	2.73	
PFDA		3.97	0.219 (Q)	3.33	1.000
PFUnA		2.51	0.219 (Q)	4.03	1.000
PFDaA		2.56	0.175 (Q)	6.93	1.000
PFTTrDA		1.30	0.219 (Q)	4.03	0.957
PFTeDA		1.38	0.219 (Q)	2.61	1.000
PFBS		3.19	0.219 (Q)	2.53	1.000
PFPeS	U		0.220 (Q)		
PFHxS	J	0.684	0.219 (Q)	2.59	
PFHpS	U		0.219 (Q)		
PFOS		16.4	0.219 (Q)	2.80	
PFNS	U		0.219 (Q)		
PFDS	R J	0.707	0.219 (Q)	3.64	1.080
PFDoS	U		0.219 (Q)		
4:2 FTS	U		0.876 (Q)		
6:2 FTS	U		0.790 (Q)		
8:2 FTS	U		0.745 (Q)		
PFOSA	J	0.400	0.219 (Q)		
N-MeFOSA	R J	0.246	0.219 (Q)	0.99	
N-EtFOSA	U		0.613 (Q)		
MeFOSAA	U		0.219 (Q)		
EtFOSAA	U		0.219 (Q)		
N-MeFOSE	U		2.19 (Q)		
N-EtFOSE	U		2.19 (Q)		
3:3 FTCA	U		0.876 (Q)		
5:3 FTCA	U		5.48 (Q)		
7:3 FTCA	U		5.48 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; R = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; 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.  
SIWWTP-BIOS\_MIS (FC10214-1)  
Sample Collection:  
27-Sep-2023 08:00

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.

WWTP BIOS AND COMP

Lab Sample I.D.:

L40547-1

Matrix: BIOSOLIDS HUMAN

Sample Size:

4.59 g (dry)

Sample Receipt Date: 15-Nov-2023

Initial Calibration Date:

01-Mar-2023

Extraction Date: 29-Apr-2024

Instrument ID:

LCMS/MS

Analysis Date: 03-May-2024 Time: 00:34:40

Column ID:

C18

Extract Volume (uL): 4000

Sample Data Filename:

FC4L\_131 S: 47

Injection Volume (uL): 2

Blank Data Filename:

FC4L\_131 S: 46

Dilution Factor: N/A

Cal. Ver. Data Filename:

FC4L\_131 S: 41

Concentration Units: ng absolute

% Moisture:

8.29

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LABELLED COMPOUND	LAB FLAG <sup>1</sup>	SPIKE CONC.	CONC. FOUND	R(%) <sup>2</sup>	RATIO	RRT
13C4-PFBA		200	158	78.8		1.000
13C5-PFPeA		100	84.0	84.0		0.851
13C5-PFHxA		50.0	39.3	78.5	13.2	1.000
13C4-PFHpA		50.0	38.3	76.6		0.884
13C8-PFOA		50.0	37.2	74.3		0.999
13C9-PFNA		25.0	20.3	81.4		1.000
13C6-PFDA		25.0	21.4	85.7		1.000
13C7-PFUnA		25.0	16.6	66.2		1.044
13C2-PFDoA	V	25.0	7.58	30.3		1.077
13C2-PFTeDA	V	25.0	6.10	24.4		1.170
13C3-PFBS		50.1	41.5	82.8	2.58	0.783
13C3-PFHxS		50.1	45.6	91.0	2.38	1.000
13C8-PFOS		50.3	46.4	92.2	2.25	0.999
13C2-4:2 FTS		101	97.1	96.3	1.88	0.823
13C2-6:2 FTS		100	97.8	97.8	2.33	1.001
13C2-8:2 FTS		100	80.9	80.7	3.87	1.271
13C8-PFOSA	V	50.0	76.2	152		1.160
D3-N-MeFOSA		50.0	48.4	96.9		1.347
D5-N-EtFOSA		50.0	45.9	91.7		1.381
D3-MeFOSAA	V	100	190	190		1.313
D5-EtFOSAA	V	100	221	221		1.337
d7-NMe-FOSE		502	673	134		1.331
d9-NEt-FOSE		500	721	144		1.366

(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.  
HUWWTP-BIOS\_MIS (FC10214-2)  
Sample Collection:  
28-Sep-2023 11:00

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. WWTP BIOS AND COMP  
Lab Sample I.D.: L40547-2 (A)  
Sample Size: 4.27 g (dry)  
Initial Calibration Date: 01-Mar-2023  
Instrument ID: LCMS/MS  
Column ID: C18  
Sample Data Filename: FC4L\_131 S: 48  
Blank Data Filename: FC4L\_131 S: 46  
Cal. Ver. Data Filename: FC4L\_131 S: 41  
% Moisture: 14.6

Matrix: BIOSOLIDS HUMAN

Sample Receipt Date: 15-Nov-2023

Extraction Date: 29-Apr-2024

Analysis Date: 03-May-2024 Time: 00:48:01

Extract Volume (uL): 4000

Injection Volume (uL): 2

Dilution Factor: N/A

Concentration Units: ng/g (dry weight basis)

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 <sup>1</sup>	CONC. FOUND	REPORTING LIMIT (RL) <sup>2</sup>	RATIO	RRT
PFBA		96.9	0.938 (Q)		1.004
PFPeA		73.1	0.469 (Q)		1.001
PFHxA		53.0	0.235 (Q)	4.27	1.000
PFHpA		20.8	0.235 (Q)	2.10	1.001
PFOA		29.3	0.235 (Q)	1.91	
PFNA		10.1	0.235 (Q)	2.70	
PFDA		8.82	0.235 (Q)	2.95	0.999
PFUnA		4.12	0.235 (Q)	4.11	1.000
PFDaA		4.75	0.188 (Q)	6.83	1.000
PFTTrDA		1.85	0.235 (Q)	3.83	0.958
PFTeDA		1.94	0.235 (Q)	2.27	1.000
PFBS		16.0	0.235 (Q)	2.64	1.000
PFPeS	U		0.236 (Q)		
PFHxS	J	0.322	0.235 (Q)	2.95	
PFHpS	U		0.235 (Q)		
PFOS		9.26	0.235 (Q)	2.67	
PFNS	U		0.235 (Q)		
PFDS		1.60	0.235 (Q)	2.46	1.082
PFDoS	U		0.235 (Q)		
4:2 FTS	U		0.938 (Q)		
6:2 FTS	R J	1.54	0.846 (Q)	0.60	0.999
8:2 FTS	U		0.798 (Q)		
PFOSA	J	0.400	0.235 (Q)		
N-MeFOSA	U		0.235 (Q)		
N-EtFOSA	U		0.657 (Q)		
MeFOSAA	U		0.235 (Q)		
EtFOSAA	U		0.235 (Q)		
N-MeFOSE	U		2.35 (Q)		
N-EtFOSE	U		2.35 (Q)		
3:3 FTCA	U		0.938 (Q)		
5:3 FTCA	U		5.87 (Q)		
7:3 FTCA	U		5.87 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; R = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; 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 METHOD MLA-111 Rev 03

Form 2  
TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS  
REPORT

CLIENT SAMPLE NO.  
HUWWTP-BIOS\_MIS (FC10214-2)  
Sample Collection:  
28-Sep-2023 11:00

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.

WWTP BIOS AND COMP

Lab Sample I.D.:

L40547-2 (A)

Matrix: BIOSOLIDS HUMAN

Sample Size:

4.27 g (dry)

Sample Receipt Date: 15-Nov-2023

Initial Calibration Date:

01-Mar-2023

Extraction Date: 29-Apr-2024

Instrument ID:

LCMS/MS

Analysis Date: 03-May-2024 Time: 00:48:01

Column ID:

C18

Extract Volume (uL): 4000

Sample Data Filename:

FC4L\_131 S: 48

Injection Volume (uL): 2

Blank Data Filename:

FC4L\_131 S: 46

Dilution Factor: N/A

Cal. Ver. Data Filename:

FC4L\_131 S: 41

Concentration Units: ng absolute

% Moisture:

14.6

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.

LABELED COMPOUND	LAB FLAG <sup>1</sup>	SPIKE CONC.	CONC. FOUND	R(%) <sup>2</sup>	RATIO	RRT
13C4-PFBA		200	144	72.2		1.000
13C5-PFPeA		100	76.8	76.8		0.851
13C5-PFHxA		50.0	34.9	69.9	12.6	1.000
13C4-PFHpA		50.0	35.8	71.6		0.884
13C8-PFOA		50.0	33.6	67.1		0.999
13C9-PFNA		25.0	19.0	75.9		1.000
13C6-PFDA		25.0	19.7	78.7		1.000
13C7-PFUnA		25.0	19.6	78.2		1.045
13C2-PFDoA		25.0	18.3	73.3		1.081
13C2-PFTeDA	V	25.0	9.72	38.9		1.170
13C3-PFBS		50.1	33.5	66.9	2.59	0.783
13C3-PFHxS		50.1	38.2	76.3	2.26	1.000
13C8-PFOS		50.3	41.3	82.1	2.11	1.000
13C2-4:2 FTS		101	97.3	96.5	1.95	0.823
13C2-6:2 FTS		100	98.4	98.4	2.24	1.002
13C2-8:2 FTS		100	94.1	93.9	3.81	1.271
13C8-PFOSA		50.0	70.7	141		1.160
D3-N-MeFOSA		50.0	53.6	107		1.347
D5-N-EtFOSA		50.0	47.9	95.8		1.380
D3-MeFOSAA		100	124	124		1.313
D5-EtFOSAA		100	126	126		1.339
d7-NMe-FOSE		502	718	143		1.331
d9-NEt-FOSE	V	500	759	152		1.366

(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\_\_\_\_\_

Form 1A  
TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS  
REPORT

CLIENT SAMPLE NO.  
HUWWTP-BIOS\_MIS (FC10214-  
2) (Duplicate)  
Sample Collection:  
28-Sep-2023 11:00

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. WWTP BIOS AND COMP  
Lab Sample I.D.: WG89473-104 (DUP L40547-2)

Matrix: BIOSOLIDS HUMAN  
Sample Receipt Date: 15-Nov-2023  
Extraction Date: 29-Apr-2024  
Analysis Date: 03-May-2024 Time: 01:01:22  
Extract Volume (uL): 4000  
Injection Volume (uL): 2  
Dilution Factor: N/A  
Concentration Units: ng/g (dry weight basis)  
Sample Size: 4.27 g (dry)  
Initial Calibration Date: 01-Mar-2023  
Instrument ID: LCMS/MS  
Column ID: C18  
Sample Data Filename: FC4L\_131 S: 49  
Blank Data Filename: FC4L\_131 S: 46  
Cal. Ver. Data Filename: FC4L\_131 S: 41  
% Moisture: 0

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 <sup>1</sup>	CONC. FOUND	REPORTING LIMIT (RL) <sup>2</sup>	RATIO	RRT
PFBA		86.9	0.937 (Q)		1.004
PFPeA		67.8	0.469 (Q)		1.000
PFHxA		46.9	0.234 (Q)	4.41	1.000
PFHpA		19.9	0.234 (Q)	2.11	1.000
PFOA		25.8	0.234 (Q)	1.91	
PFNA		9.04	0.234 (Q)	2.74	
PFDA		8.78	0.234 (Q)	2.79	1.001
PFUnA		4.13	0.234 (Q)	4.56	1.000
PFDaA		4.66	0.187 (Q)	6.83	1.000
PFTTrDA		1.74	0.234 (Q)	3.07	0.959
PFTeDA		2.13	0.234 (Q)	2.66	1.001
PFBS		11.8	0.234 (Q)	2.65	1.000
PFPeS	U		0.236 (Q)		
PFHxS	J	0.344	0.234 (Q)	2.48	
PFHpS	U		0.234 (Q)		
PFOS		7.98	0.234 (Q)	2.46	
PFNS	U		0.234 (Q)		
PFDS		1.55	0.234 (Q)	2.43	1.081
PFDoS	U		0.234 (Q)		
4:2 FTS	U		0.937 (Q)		
6:2 FTS	U		0.845 (Q)		
8:2 FTS	U		0.797 (Q)		
PFOSA	J	0.342	0.234 (Q)		
N-MeFOSA	U		0.234 (Q)		
N-EtFOSA	U		0.656 (Q)		
MeFOSAA	U		0.234 (Q)		
EtFOSAA	U		0.234 (Q)		
N-MeFOSE	U		2.34 (Q)		
N-EtFOSE	U		2.34 (Q)		
3:3 FTCA	U		0.937 (Q)		
5:3 FTCA	U		5.86 (Q)		
7:3 FTCA	U		5.86 (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.  
HUWWTP-BIOS\_MIS (FC10214-2) (Duplicate)  
Sample Collection:  
28-Sep-2023 11:00

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.

WWTP BIOS AND COMP

Lab Sample I.D.:

WG89473-104 (DUP L40547-2)

Matrix: BIOSOLIDS HUMAN

Sample Size:

4.27 g (dry)

Sample Receipt Date: 15-Nov-2023

Initial Calibration Date:

01-Mar-2023

Extraction Date: 29-Apr-2024

Instrument ID:

LCMS/MS

Analysis Date: 03-May-2024 Time: 01:01:22

Column ID:

C18

Extract Volume (uL): 4000

Sample Data Filename:

FC4L\_131 S: 49

Injection Volume (uL): 2

Blank Data Filename:

FC4L\_131 S: 46

Dilution Factor: N/A

Cal. Ver. Data Filename:

FC4L\_131 S: 41

Concentration Units: ng absolute

% Moisture:

0

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.

LABELED COMPOUND	LAB FLAG <sup>1</sup>	SPIKE CONC.	CONC. FOUND	R(%) <sup>2</sup>	RATIO	RRT
13C4-PFBA		200	120	60.1		1.000
13C5-PFPeA		100	73.9	73.9		0.851
13C5-PFHxA		50.0	34.6	69.1	12.5	1.000
13C4-PFHpA		50.0	36.1	72.2		0.885
13C8-PFOA		50.0	34.7	69.3		1.000
13C9-PFNA		25.0	19.7	78.7		1.000
13C6-PFDA		25.0	17.5	70.0		0.999
13C7-PFUnA		25.0	18.8	75.2		1.046
13C2-PFDoA		25.0	17.1	68.4		1.081
13C2-PFTeDA	V	25.0	9.05	36.2		1.170
13C3-PFBS		50.1	34.7	69.2	2.70	0.783
13C3-PFHxS		50.1	38.4	76.7	2.39	0.999
13C8-PFOS		50.3	42.2	83.9	2.14	1.000
13C2-4:2 FTS		101	91.3	90.6	1.99	0.823
13C2-6:2 FTS		100	90.9	90.9	2.30	1.002
13C2-8:2 FTS		100	85.4	85.2	4.04	1.271
13C8-PFOSA		50.0	74.2	148		1.160
D3-N-MeFOSA		50.0	57.1	114		1.346
D5-N-EtFOSA		50.0	50.3	101		1.380
D3-MeFOSAA		100	113	113		1.314
D5-EtFOSAA		100	121	121		1.339
d7-NMe-FOSE	V	502	760	151		1.330
d9-NEt-FOSE	V	500	831	166		1.366

(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 ANALYTICAL SERVICES

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

Contract No.: 4066

Client ID: HUWWTP-BIOS\_MIS (FC10214-2)

Project No.

WWTP BIOS AND COMP

Concentration Units: ng/g (dry weight basis)

COMPOUND	L40547-2 (A)		WG89473-104		MEAN	RELATIVE PERCENT DIFFERENCE
	LAB FLAG <sup>1</sup>	CONC. FOUND	LAB FLAG <sup>1</sup>	CONC. FOUND		
PFBA		96.9		86.9	91.9	10.9
PFPeA		73.1		67.8	70.5	7.53
PFHxA		53.0		46.9	49.9	12.2
PFHpA		20.8		19.9	20.3	4.07
PFOA		29.3		25.8	27.6	12.5
PFNA		10.1		9.04	9.57	11.1
PFDA		8.82		8.78	8.80	0.422
PFUnA		4.12		4.13	4.13	0.332
PFDaA		4.75		4.66	4.70	1.76
PFTTrDA		1.85		1.74	1.80	6.09
PFTeDA		1.94		2.13	2.03	9.65
PFBS		16.0		11.8	13.9	30.0
PFPeS	U		U			
PFHxS	J	0.322	J	0.344	0.333	6.40
PFHpS	U		U			
PFOS		9.26		7.98	8.62	14.9
PFNS	U		U			
PFDS		1.60		1.55	1.58	2.90
PFDoS	U		U			
4:2 FTS	U		U			
6:2 FTS	R J	1.54	U			
8:2 FTS	U		U			
PFOSA	J	0.400	J	0.342	0.371	15.7
N-MeFOSA	U		U			
N-EtFOSA	U		U			
MeFOSAA	U		U			
EtFOSAA	U		U			
N-MeFOSE	U		U			
N-EtFOSE	U		U			
3:3 FTCA	U		U			
5:3 FTCA	U		U			
7:3 FTCA	U		U			

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; R = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; J = concentration less than limit of quantification.

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 1A  
TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS  
REPORT

CLIENT SAMPLE NO.  
HUWWTP-BIOS\_MIS (FC10214-  
2) (Duplicate2)  
Sample Collection:  
28-Sep-2023 11:00

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.

WWTP BIOS AND COMP

Lab Sample I.D.:

WG89473-105 (DUP L40547-2)

Matrix: BIOSOLIDS HUMAN

Sample Size:

4.27 g (dry)

Sample Receipt Date: 15-Nov-2023

Initial Calibration Date:

01-Mar-2023

Extraction Date: 29-Apr-2024

Instrument ID:

LCMS/MS

Analysis Date: 03-May-2024 Time: 01:14:52

Column ID:

C18

Extract Volume (uL): 4000

Sample Data Filename:

FC4L\_131 S: 50

Injection Volume (uL): 2

Blank Data Filename:

FC4L\_131 S: 46

Dilution Factor: N/A

Cal. Ver. Data Filename:

FC4L\_131 S: 41

Concentration Units: ng/g (dry weight basis)

% Moisture:

0

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 <sup>1</sup>	CONC. FOUND	REPORTING LIMIT (RL) <sup>2</sup>	RATIO	RRT
PFBA		107	0.937 (Q)		1.004
PFPeA		78.2	0.469 (Q)		1.001
PFHxA		50.4	0.234 (Q)	4.33	1.001
PFHpA		22.3	0.234 (Q)	2.05	1.000
PFOA		27.1	0.234 (Q)	1.87	
PFNA		11.1	0.234 (Q)	2.61	
PFDA		9.60	0.234 (Q)	2.90	1.000
PFUnA		4.73	0.234 (Q)	4.50	1.000
PFDaA		4.87	0.187 (Q)	7.53	1.000
PFTTrDA		2.00	0.234 (Q)	3.45	0.959
PFTTeDA		2.34	0.234 (Q)	2.25	1.000
PFBS		14.0	0.234 (Q)	2.75	1.000
PFPeS	U		0.235 (Q)		
PFHxS	J	0.391	0.234 (Q)	3.09	
PFHpS	U		0.234 (Q)		
PFOS		8.21	0.234 (Q)	2.53	
PFNS	U		0.234 (Q)		
PFDS		1.59	0.234 (Q)	2.57	1.081
PFDoS	U		0.234 (Q)		
4:2 FTS	U		0.937 (Q)		
6:2 FTS	U		0.845 (Q)		
8:2 FTS	U		0.797 (Q)		
PFOSA	J	0.429	0.234 (Q)		
N-MeFOSA	R J	0.250	0.234 (Q)	1.03	
N-EtFOSA	U		0.656 (Q)		
MeFOSAA	U		0.234 (Q)		
EtFOSAA	U		0.234 (Q)		
N-MeFOSE	U		2.34 (Q)		
N-EtFOSE	U		2.34 (Q)		
3:3 FTCA	U		0.937 (Q)		
5:3 FTCA	U		5.86 (Q)		
7:3 FTCA	U		5.86 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; R = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; 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 METHOD MLA-111 Rev 03

Form 2  
TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS  
REPORT

CLIENT SAMPLE NO.  
HUWWTP-BIOS\_MIS (FC10214-  
2) (Duplicate2)  
Sample Collection:  
28-Sep-2023 11:00

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.

WWTP BIOS AND COMP

Lab Sample I.D.:

WG89473-105 (DUP L40547-2)

Matrix: BIOSOLIDS HUMAN

Sample Size:

4.27 g (dry)

Sample Receipt Date: 15-Nov-2023

Initial Calibration Date:

01-Mar-2023

Extraction Date: 29-Apr-2024

Instrument ID:

LCMS/MS

Analysis Date: 03-May-2024 Time: 01:14:52

Column ID:

C18

Extract Volume (uL): 4000

Sample Data Filename:

FC4L\_131 S: 50

Injection Volume (uL): 2

Blank Data Filename:

FC4L\_131 S: 46

Dilution Factor: N/A

Cal. Ver. Data Filename:

FC4L\_131 S: 41

Concentration Units: ng absolute

% Moisture:

0

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.

LABELED COMPOUND	LAB FLAG <sup>1</sup>	SPIKE CONC.	CONC. FOUND	R(%) <sup>2</sup>	RATIO	RRT
13C4-PFBA	V	200	26.0	13.0		0.996
13C5-PFPeA		100	67.3	67.3		0.850
13C5-PFHxA		50.0	33.2	66.4	12.6	0.999
13C4-PFHpA		50.0	33.5	67.1		0.885
13C8-PFOA		50.0	33.3	66.6		1.000
13C9-PFNA		25.0	18.0	71.9		1.000
13C6-PFDA		25.0	17.6	70.4		1.000
13C7-PFUnA		25.0	18.5	74.1		1.046
13C2-PFDoA		25.0	16.2	65.0		1.081
13C2-PFTeDA	V	25.0	5.91	23.6		1.171
13C3-PFBS		50.1	33.9	67.6	2.79	0.784
13C3-PFHxS		50.1	37.2	74.3	2.39	1.000
13C8-PFOS		50.3	40.5	80.6	2.20	1.000
13C2-4:2 FTS		101	96.8	96.0	1.99	0.823
13C2-6:2 FTS		100	91.8	91.8	2.15	1.002
13C2-8:2 FTS		100	86.0	85.8	3.59	1.272
13C8-PFOSA		50.0	74.7	149		1.160
D3-N-MeFOSA		50.0	53.3	107		1.347
D5-N-EtFOSA		50.0	46.7	93.4		1.380
D3-MeFOSAA		100	117	117		1.315
D5-EtFOSAA		100	137	137		1.339
d7-NMe-FOSE		502	752	150		1.331
d9-NEt-FOSE	V	500	775	155		1.366

(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 ANALYTICAL SERVICES

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

Project No.

WWTP BIOS AND COMP

Contract No.: 4066

Client ID: HUWWTP-BIOS\_MIS (FC10214-2)

Concentration Units: ng/g (dry weight basis)

COMPOUND	L40547-2 (A)		WG89473-105		MEAN	RELATIVE PERCENT DIFFERENCE
	LAB FLAG <sup>1</sup>	CONC. FOUND	LAB FLAG <sup>1</sup>	CONC. FOUND		
PFBA		96.9		107	102	9.52
PFPeA		73.1		78.2	75.7	6.73
PFHxA		53.0		50.4	51.7	5.04
PFHpA		20.8		22.3	21.5	7.03
PFOA		29.3		27.1	28.2	7.68
PFNA		10.1		11.1	10.6	9.68
PFDA		8.82		9.60	9.21	8.45
PFUnA		4.12		4.73	4.43	13.8
PFDaA		4.75		4.87	4.81	2.65
PFTTrDA		1.85		2.00	1.92	7.49
PFTeDA		1.94		2.34	2.14	19.1
PFBS		16.0		14.0	15.0	13.2
PFPeS	U		U			
PFHxS	J	0.322	J	0.391	0.357	19.3
PFHpS	U		U			
PFOS		9.26		8.21	8.74	12.0
PFNS	U		U			
PFDS		1.60		1.59	1.59	0.805
PFDoS	U		U			
4:2 FTS	U		U			
6:2 FTS	R J	1.54	U			
8:2 FTS	U		U			
PFOSA	J	0.400	J	0.429	0.414	6.88
N-MeFOSA	U		R J	0.250		
N-EtFOSA	U		U			
MeFOSAA	U		U			
EtFOSAA	U		U			
N-MeFOSE	U		U			
N-EtFOSE	U		U			
3:3 FTCA	U		U			
5:3 FTCA	U		U			
7:3 FTCA	U		U			

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; R = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; J = concentration less than limit of quantification.

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 1A

TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS  
REPORTCLIENT SAMPLE NO.  
LAWWTP-BIOS\_MIS (FC10214-3)Sample Collection:  
20-Sep-2023 12:00

## 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.

WWTP BIOS AND COMP

Lab Sample I.D.:

L40547-3

Matrix: BIOSOLIDS HUMAN

Sample Size:

2.23 g (dry)

Sample Receipt Date: 15-Nov-2023

Initial Calibration Date:

01-Mar-2023

Extraction Date: 29-Apr-2024

Instrument ID:

LCMS/MS

Analysis Date: 03-May-2024 Time: 01:28:21

Column ID:

C18

Extract Volume (uL): 4000

Sample Data Filename:

FC4L\_131 S: 51

Injection Volume (uL): 2

Blank Data Filename:

FC4L\_131 S: 46

Dilution Factor: N/A

Cal. Ver. Data Filename:

FC4L\_131 S: 41

Concentration Units: ng/g (dry weight basis)

% Moisture:

55.4

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 <sup>1</sup>	CONC. FOUND	REPORTING LIMIT (RL) <sup>2</sup>	RATIO	RRT
PFBA		145	1.79 (Q)		1.004
PFPeA		129	0.897 (Q)		1.001
PFHxA		51.7	0.449 (Q)	4.37	1.000
PFHpA		22.4	0.449 (Q)	2.12	1.000
PFOA		15.2	0.449 (Q)	1.90	
PFNA		8.27	0.449 (Q)	2.65	
PFDA		10.6	0.449 (Q)	2.95	1.000
PFUnA		3.99	0.449 (Q)	3.67	1.000
PFDaA		5.49	0.359 (Q)	7.55	1.000
PFTTrDA	J	1.74	0.449 (Q)	2.78	0.958
PFTeDA		2.17	0.449 (Q)	2.14	1.000
PFBS		8.21	0.449 (Q)	2.53	1.000
PFPeS	U		0.451 (Q)		
PFHxS	U		0.449 (Q)		
PFHpS	U		0.449 (Q)		
PFOS		4.94	0.449 (Q)	2.48	
PFNS	U		0.449 (Q)		
PFDS	U		0.449 (Q)		
PFDoS	U		0.449 (Q)		
4:2 FTS	U		1.79 (Q)		
6:2 FTS	U		1.62 (Q)		
8:2 FTS	U		1.53 (Q)		
PFOSA	U		0.449 (Q)		
N-MeFOSA	U		0.449 (Q)		
N-EtFOSA	U		1.26 (Q)		
MeFOSAA	U		0.449 (Q)		
EtFOSAA	U		0.449 (Q)		
N-MeFOSE	U		4.49 (Q)		
N-EtFOSE	U		4.49 (Q)		
3:3 FTCA	U		1.79 (Q)		
5:3 FTCA	U		11.2 (Q)		
7:3 FTCA	U		11.2 (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-BIOS\_MIS (FC10214-3)  
Sample Collection:  
20-Sep-2023 12:00

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.

WWTP BIOS AND COMP

Lab Sample I.D.:

L40547-3

Matrix: BIOSOLIDS HUMAN

Sample Size:

2.23 g (dry)

Sample Receipt Date: 15-Nov-2023

Initial Calibration Date:

01-Mar-2023

Extraction Date: 29-Apr-2024

Instrument ID:

LCMS/MS

Analysis Date: 03-May-2024 Time: 01:28:21

Column ID:

C18

Extract Volume (uL): 4000

Sample Data Filename:

FC4L\_131 S: 51

Injection Volume (uL): 2

Blank Data Filename:

FC4L\_131 S: 46

Dilution Factor: N/A

Cal. Ver. Data Filename:

FC4L\_131 S: 41

Concentration Units: ng absolute

% Moisture:

55.4

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.

LABELED COMPOUND	LAB FLAG <sup>1</sup>	SPIKE CONC.	CONC. FOUND	R(%) <sup>2</sup>	RATIO	RRT
13C4-PFBA		200	187	93.5		1.000
13C5-PFPeA		100	95.6	95.6		0.851
13C5-PFHxA		50.0	46.0	92.1	13.0	1.000
13C4-PFHpA		50.0	47.3	94.5		0.885
13C8-PFOA		50.0	45.6	91.3		1.000
13C9-PFNA		25.0	25.0	100		1.000
13C6-PFDA		25.0	22.3	89.2		1.000
13C7-PFUnA		25.0	22.2	88.8		1.046
13C2-PFDoA		25.0	20.3	81.1		1.082
13C2-PFTeDA		25.0	15.6	62.3		1.171
13C3-PFBS		50.1	48.4	96.6	2.69	0.783
13C3-PFHxS		50.1	55.3	110	2.38	0.999
13C8-PFOS		50.3	54.1	108	2.16	1.000
13C2-4:2 FTS		101	90.5	89.7	1.94	0.823
13C2-6:2 FTS		100	93.6	93.7	2.33	1.001
13C2-8:2 FTS		100	98.2	98.0	3.81	1.271
13C8-PFOSA		50.0	69.9	140		1.160
D3-N-MeFOSA		50.0	54.5	109		1.346
D5-N-EtFOSA		50.0	50.8	102		1.380
D3-MeFOSAA		100	123	123		1.313
D5-EtFOSAA		100	124	124		1.338
d7-NMe-FOSE		502	745	149		1.330
d9-NEt-FOSE	V	500	809	162		1.366

(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  
REPORTCLIENT SAMPLE NO.  
LAWWTP-COMP\_MIS (FC10214-4)Sample Collection:  
20-Sep-2023 12:00

## 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.

WWTP BIOS AND COMP

Lab Sample I.D.:

L40547-4

Matrix: COMPOST

Sample Size: 4.39 g (dry)

Sample Receipt Date: 15-Nov-2023

Initial Calibration Date: 01-Mar-2023

Extraction Date: 29-Apr-2024

Instrument ID: LCMS/MS

Analysis Date: 03-May-2024 Time: 01:41:50

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC4L\_131 S: 52

Injection Volume (uL): 2

Blank Data Filename: FC4L\_131 S: 46

Dilution Factor: N/A

Cal. Ver. Data Filename: FC4L\_131 S: 41

Concentration Units: ng/g (dry weight basis)

% Moisture: 12.3

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 <sup>1</sup>	CONC. FOUND	REPORTING LIMIT (RL) <sup>2</sup>	RATIO	RRT
PFBA		12.7	0.912 (Q)		1.004
PFPeA		14.1	0.456 (Q)		1.000
PFHxA		15.8	0.228 (Q)	4.18	1.000
PFHpA		2.68	0.228 (Q)	2.17	1.000
PFOA		7.16	0.228 (Q)	1.91	
PFNA		1.61	0.228 (Q)	2.92	
PFDA		4.25	0.228 (Q)	2.97	1.000
PFUnA		0.949	0.228 (Q)	3.86	1.000
PFDaA		1.85	0.182 (Q)	6.65	1.000
PFTTrDA	J	0.431	0.228 (Q)	2.65	0.958
PFTeDA	J	0.821	0.228 (Q)	2.55	1.000
PFBS		7.94	0.228 (Q)	2.67	1.001
PFPeS	U		0.229 (Q)		
PFHxS	U		0.228 (Q)		
PFHpS	U		0.228 (Q)		
PFOS		4.16	0.228 (Q)	2.76	
PFNS	U		0.228 (Q)		
PFDS	U		0.228 (Q)		
PFDoS	U		0.228 (Q)		
4:2 FTS	U		0.912 (Q)		
6:2 FTS	U		0.822 (Q)		
8:2 FTS	U		0.775 (Q)		
PFOSA	U		0.228 (Q)		
N-MeFOSA	U		0.228 (Q)		
N-EtFOSA	U		0.638 (Q)		
MeFOSAA	U		0.228 (Q)		
EtFOSAA	U		0.228 (Q)		
N-MeFOSE	U		2.28 (Q)		
N-EtFOSE	U		2.28 (Q)		
3:3 FTCA	U		0.912 (Q)		
5:3 FTCA	U		5.70 (Q)		
7:3 FTCA	U		5.70 (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 METHOD MLA-111 Rev 03

Form 2  
TOTAL OXIDIZABLE PRECURSOR - POSTOXIDATION ANALYSIS  
REPORT

CLIENT SAMPLE NO.  
LAWWTP-COMP\_MIS (FC10214-4)  
Sample Collection:  
20-Sep-2023 12:00

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. WWTP BIOS AND COMP  
Lab Sample I.D.: L40547-4

Matrix: COMPOST      Sample Size: 4.39 g (dry)  
Sample Receipt Date: 15-Nov-2023      Initial Calibration Date: 01-Mar-2023  
Extraction Date: 29-Apr-2024      Instrument ID: LCMS/MS  
Analysis Date: 03-May-2024 Time: 01:41:50      Column ID: C18  
Extract Volume (uL): 4000      Sample Data Filename: FC4L\_131 S: 52  
Injection Volume (uL): 2      Blank Data Filename: FC4L\_131 S: 46  
Dilution Factor: N/A      Cal. Ver. Data Filename: FC4L\_131 S: 41  
Concentration Units: ng absolute      % Moisture: 12.3

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.

LABELED COMPOUND	LAB FLAG <sup>1</sup>	SPIKE CONC.	CONC. FOUND	R(%) <sup>2</sup>	RATIO	RRT
13C4-PFBA		200	165	82.3		0.996
13C5-PFPeA		100	90.4	90.4		0.850
13C5-PFHxA		50.0	43.3	86.6	13.7	1.000
13C4-PFHpA		50.0	42.0	84.1		0.885
13C8-PFOA		50.0	40.3	80.5		1.000
13C9-PFNA		25.0	23.3	93.2		1.000
13C6-PFDA		25.0	22.5	89.8		1.000
13C7-PFUnA		25.0	21.8	87.3		1.046
13C2-PFDoA		25.0	22.3	89.0		1.082
13C2-PFTeDA		25.0	17.1	68.5		1.172
13C3-PFBS		50.1	43.9	87.6	2.77	0.783
13C3-PFHxS		50.1	48.3	96.4	2.42	1.000
13C8-PFOS		50.3	52.8	105	2.25	1.000
13C2-4:2 FTS		101	97.2	96.4	1.89	0.823
13C2-6:2 FTS		100	99.7	99.8	2.39	1.002
13C2-8:2 FTS		100	106	106	3.55	1.271
13C8-PFOSA		50.0	71.7	143		1.160
D3-N-MeFOSA		50.0	57.0	114		1.346
D5-N-EtFOSA		50.0	52.7	105		1.380
D3-MeFOSAA		100	133	133		1.313
D5-EtFOSAA		100	136	136		1.338
d7-NMe-FOSE	V	502	788	157		1.331
d9-NEt-FOSE	V	500	848	169		1.366

(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

SGS AXYS ANALYTICAL SERVICES

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

Contract No.: 4066

Client Sample No.

Lab Blank

Sample Collection: N/A

Project No.

N/A

Lab Sample I.D.:

WG89473-101

Matrix:

AQUEOUS (SOLID METHOD)

Sample Size:

5.00 g

Sample Receipt Date:

N/A

Initial Calibration Date:

01-Mar-2023

Extraction Date:

29-Apr-2024

Instrument ID:

LCMS/MS

Analysis Date:

03-May-2024

Time: 00:07:25

Column ID:

C18

Extract Volume (uL):

4000

Sample Data Filename:

FC4L\_131 S: 45

Injection Volume (uL):

2

Blank Data Filename:

FC4L\_131 S: 46

Dilution Factor:

N/A

Cal. Ver. Data Filename:

FC4L\_131 S: 41

Concentration Units:

ng/g

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 <sup>1</sup>	CONC. FOUND	REPORTING LIMIT (RL) <sup>2</sup>	RATIO	RRT
PFBA	U		0.800 (Q)		
PFPeA	J	0.967	0.400 (Q)		1.000
PFHxA	J	0.351	0.200 (Q)	3.96	1.000
PFHpA	U		0.200 (Q)		
PFOA	U		0.200 (Q)		
PFNA	U		0.200 (Q)		
PFDA	U		0.200 (Q)		
PFUnA	U		0.200 (Q)		
PFDoA	U		0.160 (Q)		
PFTTrDA	U		0.200 (Q)		
PFTeDA	U		0.200 (Q)		
PFBS	U		0.200 (Q)		
PFPeS	U		0.201 (Q)		
PFHxS	U		0.200 (Q)		
PFHpS	U		0.200 (Q)		
PFOS	U		0.200 (Q)		
PFNS	U		0.200 (Q)		
PFDS	U		0.200 (Q)		
PFDoS	U		0.200 (Q)		
4:2 FTS	U		0.800 (Q)		
6:2 FTS	U		0.721 (Q)		
8:2 FTS	U		0.680 (Q)		
PFOSA	U		0.200 (Q)		
N-MeFOSA	U		0.200 (Q)		
N-EtFOSA	U		0.560 (Q)		
MeFOSAA	U		0.200 (Q)		
EtFOSAA	U		0.200 (Q)		
N-MeFOSE	U		2.00 (Q)		
N-EtFOSE	U		2.00 (Q)		
3:3 FTCA	U		0.800 (Q)		
5:3 FTCA	U		5.00 (Q)		
7:3 FTCA	U		5.00 (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 METHOD MLA-111 Rev 03

Form 2

CLIENT SAMPLE NO.  
Lab Blank  
Sample Collection:  
N/A

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.: WG89473-101  
Sample Size: 5.00 g  
Initial Calibration Date: 01-Mar-2023  
Instrument ID: LCMS/MS  
Column ID: C18  
Sample Data Filename: FC4L\_131 S: 45  
Blank Data Filename: FC4L\_131 S: 46  
Cal. Ver. Data Filename: FC4L\_131 S: 41

Matrix: AQUEOUS (SOLID METHOD)  
Sample Receipt Date: N/A  
Extraction Date: 29-Apr-2024  
Analysis Date: 03-May-2024 Time: 00:07:25  
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 <sup>1</sup>	SPIKE CONC.	CONC. FOUND	R(%) <sup>2</sup>	RATIO	RRT
13C4-PFBA	V	200	168	84.1	12.9	1.000
13C5-PFPeA		100	88.9	88.9		0.852
13C5-PFHxA		50.0	41.0	82.0		1.000
13C4-PFHpA		50.0	41.7	83.4		0.885
13C8-PFOA		50.0	41.0	82.0		0.999
13C9-PFNA		25.0	22.8	91.2	2.68	1.000
13C6-PFDA		25.0	20.2	80.7		1.000
13C7-PFUnA		25.0	17.8	71.2		1.046
13C2-PFDoA		25.0	15.3	61.1		1.082
13C2-PFTeDA		25.0	11.0	43.9		1.171
13C3-PFBS		50.1	42.0	83.8	2.15	0.783
13C3-PFHxS		50.1	46.0	91.9		0.999
13C8-PFOS		50.3	46.1	91.6		1.000
13C2-4:2 FTS		101	99.6	98.8		0.823
13C2-6:2 FTS		100	94.7	94.7		1.002
13C2-8:2 FTS		100	102	101	3.82	1.271
13C8-PFOSA		50.0	64.6	129		1.160
D3-N-MeFOSA		50.0	53.2	106		1.347
D5-N-EtFOSA		50.0	48.6	97.2		1.380
D3-MeFOSAA		100	124	124		1.314
D5-EtFOSAA		100	132	132		1.339
d7-NMe-FOSE		502	680	135	140	1.331
d9-NEt-FOSE		500	700	140		1.366

(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

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.:

WG89473-102

Matrix:

SOLID

Sample Size:

5.00 g

Sample Receipt Date:

N/A

Initial Calibration Date:

01-Mar-2023

Extraction Date:

29-Apr-2024

Instrument ID:

LCMS/MS

Analysis Date:

03-May-2024 Time: 00:21:11

Column ID:

C18

Extract Volume (uL):

4000

Sample Data Filename:

FC4L\_131 S: 46

Injection Volume (uL):

2

Blank Data Filename:

FC4L\_131 S: 46

Dilution Factor:

N/A

Cal. Ver. Data Filename:

FC4L\_131 S: 41

Concentration Units:

ng/g

CLIENT SAMPLE NO.

Lab Blank

Sample Collection:

N/A

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 <sup>1</sup>	CONC. FOUND	REPORTING LIMIT (RL) <sup>2</sup>	RATIO	RRT
PFBA	J	0.885	0.800 (Q)		1.004
PFPeA	B J	1.46	0.400 (Q)		1.001
PFHxA	B J	0.533	0.200 (Q)	4.47	1.000
PFFHpA	U		0.200 (Q)		
PFOA	U		0.200 (Q)		
PFNA	U		0.200 (Q)		
PFDA	U		0.200 (Q)		
PFFUnA	U		0.200 (Q)		
PFFDoA	U		0.160 (Q)		
PFFTrDA	U		0.200 (Q)		
PFFTeDA	U		0.200 (Q)		
PFBS	U		0.200 (Q)		
PFFPeS	U		0.201 (Q)		
PFFHxS	U		0.200 (Q)		
PFFHpS	U		0.200 (Q)		
PFOS	U		0.200 (Q)		
PFNS	U		0.200 (Q)		
PFDS	U		0.200 (Q)		
PFFDoS	U		0.200 (Q)		
4:2 FTS	U		0.800 (Q)		
6:2 FTS	J	0.752	0.721 (Q)	0.40	1.000
8:2 FTS	U		0.680 (Q)		
PFOSA	U		0.200 (Q)		
N-MeFOSA	U		0.200 (Q)		
N-EtFOSA	U		0.560 (Q)		
MeFOSAA	U		0.200 (Q)		
EtFOSAA	U		0.200 (Q)		
N-MeFOSE	U		2.00 (Q)		
N-EtFOSE	U		2.00 (Q)		
3:3 FTCA	U		0.800 (Q)		
5:3 FTCA	U		5.00 (Q)		
7:3 FTCA	U		5.00 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in the blank; 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

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.: WG89473-102  
Sample Size: 5.00 g  
Initial Calibration Date: 01-Mar-2023  
Instrument ID: LCMS/MS  
Column ID: C18  
Sample Data Filename: FC4L\_131 S: 46  
Blank Data Filename: FC4L\_131 S: 46  
Cal. Ver. Data Filename: FC4L\_131 S: 41

Matrix: SOLID

Sample Receipt Date: N/A

Extraction Date: 29-Apr-2024

Analysis Date: 03-May-2024 Time: 00:21:11

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 <sup>1</sup>	SPIKE CONC.	CONC. FOUND	R(%) <sup>2</sup>	RATIO	RRT
13C4-PFBA		200	147	73.7		0.996
13C5-PFPeA		100	79.9	79.9		0.851
13C5-PFHxA		50.0	37.8	75.5	13.2	1.000
13C4-PFHpA		50.0	37.0	74.1		0.885
13C8-PFOA		50.0	35.6	71.2		0.999
13C9-PFNA		25.0	21.6	86.3		1.000
13C6-PFDA		25.0	20.4	81.5		0.999
13C7-PFUnA		25.0	20.6	82.3		1.045
13C2-PFDoA		25.0	19.8	79.4		1.082
13C2-PFTeDA		25.0	13.4	53.7		1.170
13C3-PFBS		50.1	43.5	86.8	2.72	0.783
13C3-PFHxS		50.1	48.0	95.9	2.33	1.000
13C8-PFOS		50.3	49.2	97.9	2.05	1.000
13C2-4:2 FTS		101	106	105	1.89	0.823
13C2-6:2 FTS		100	99.4	99.4	2.37	1.002
13C2-8:2 FTS		100	109	109	3.99	1.271
13C8-PFOSA		50.0	68.8	138		1.160
D3-N-MeFOSA		50.0	54.7	109		1.347
D5-N-EtFOSA		50.0	51.0	102		1.380
D3-MeFOSAA		100	131	131		1.314
D5-EtFOSAA		100	134	134		1.339
d7-NMe-FOSE		502	718	143		1.331
d9-NEt-FOSE		500	730	146		1.366

(1) Where applicable, custom lab flags have been used on this report.  
(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.:	WG89473-103
Matrix:	SOLID	Initial Calibration Date:	01-Mar-2023
Extraction Date:	29-Apr-2024	Instrument ID:	LCMS/MS
Analysis Date:	02-May-2024 Time: 23:40:20	Column ID:	C18
Extract Volume (uL):	4000	OPR Data Filename:	FC4L_131 S: 43
Injection Volume (uL):	2	Blank Data Filename:	FC4L_131 S: 46
Dilution Factor:	N/A	Cal. Ver. Data Filename:	FC4L_131 S: 41

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

COMPOUND	LAB FLAG <sup>1</sup>	RATIO	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	% RECOVERY	RRT
PFBA			226	264	117	1.004
PFPeA			167	179	108	1.001
PFHxA		4.41	160	147	91.8	1.000
PFHpA		2.09	144	124	86.1	1.000
PFOA		2.00	502	534	106	
PFNA		2.63	39.4	40.8	103	
PFDA		2.82	25.0	23.6	94.6	1.001
PFUnA		4.09	25.0	25.4	101	1.001
PFDoA		7.69	25.0	22.0	88.2	0.999
PFTTrDA		3.03	25.0	26.1	104	0.958
PFTeDA		2.63	25.0	25.7	103	1.000
PFBS		2.84	25.0	24.5	98.0	1.000
PFPeS		2.40	24.9	26.8	107	0.875
PFHxS		2.56	25.0	23.4	93.8	
PFHpS		2.16	25.0	28.4	114	0.926
PFOS		2.65	27.1	28.1	104	
PFNS		2.29	25.0	22.6	90.5	1.044
PFDS		2.33	25.0	23.1	92.3	1.082
PFDoS		2.26	25.0	18.4	73.7	1.177
4:2 FTS	U		100		0	
6:2 FTS	U		100		0	
8:2 FTS		0.41	100	4.89	4.9	1.000
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.

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.:	WG89473-103
Matrix:	SOLID	Initial Calibration Date:	01-Mar-2023
Extraction Date:	29-Apr-2024	Instrument ID:	LCMS/MS
Analysis Date:	02-May-2024 Time: 23:40:20	Column ID:	C18
Extract Volume (uL):	4000	OPR Data Filename:	FC4L_131 S: 43
Injection Volume (uL):	2	Blank Data Filename:	FC4L_131 S: 46
Dilution Factor:	N/A	Cal. Ver. Data Filename:	FC4L_131 S: 41

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

LABELLED COMPOUND	LAB FLAG <sup>1</sup>	RATIO	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	% RECOVERY	RRT
13C4-PFBA			200	158	78.8	1.000
13C5-PFPeA			100	82.8	82.8	0.851
13C5-PFHxA		12.9	50.0	40.7	81.4	1.000
13C4-PFHpA			50.0	41.1	82.1	0.885
13C8-PFOA			50.0	39.4	78.9	1.000
13C9-PFNA			25.0	21.2	84.8	1.001
13C6-PFDA			25.0	21.2	84.8	0.999
13C7-PFUnA			25.0	20.7	82.7	1.045
13C2-PFDoA			25.0	18.1	72.3	1.082
13C2-PFTeDA	V		25.0	11.7	46.9	1.170
13C3-PFBS		2.63	50.1	42.9	85.7	0.783
13C3-PFHxS		2.29	50.1	47.0	93.9	1.001
13C8-PFOS		2.22	50.3	47.9	95.2	1.000
13C2-4:2 FTS		1.91	101	100	99.6	0.822
13C2-6:2 FTS		2.21	100	90.0	90.0	1.001
13C2-8:2 FTS		3.86	100	98.7	98.5	1.271
D3-MeFOSAA			100	119	119	1.314
D5-EtFOSAA			100	117	117	1.339

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

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 <sup>1</sup>	RELATIVE RESPONSE (RR)								MEAN RR	CV (%RSD) <sup>2</sup>	
		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
PFFUnA			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
PFFTrDA			0.98	0.92	0.84	0.81	0.83	0.80	0.80	0.75	0.84	8.87
PFFTeDA			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
PFDaS			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 \_\_\_\_\_

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 <sup>1</sup>	RELATIVE RESPONSE (RR)								MEAN RR	CV (%RSD) <sup>2</sup>	
		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 <sup>1</sup>	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 <sup>1</sup>	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\_131 S: 41

Instrument ID:

LCMS/MS

Analysis Date:

02-May-2024

LC Column ID:

C18

Analysis Time:

23:12:57

COMPOUND	LAB FLAG <sup>1</sup>	RRT	QUANT TRANSITION	RATIO	EXPECTED CONC. (ng)	CONC. FOUND (ng)	RECOVERY (%)
PFBA		1.004	213 > 169		20.0	21.5	107
PFPeA		1.001	263 > 219		10.0	9.89	98.9
PFHxA		1.000	313 > 269	4.20	5.00	4.82	96.3
PFFHpA		1.000	363 > 319	2.14	5.00	5.44	109
PFOA		1.000	413 > 369	1.96	5.00	5.59	112
PFNA		1.001	463 > 419	2.90	5.00	5.59	112
PFDA		1.000	513 > 469	2.85	5.00	4.56	91.2
PFOUnA		1.000	563 > 519	4.28	5.00	5.00	100
PFDnA		1.000	613 > 569	6.50	4.06	4.34	107
PFTTrDA		0.959	663 > 619	2.96	5.00	5.21	104
PFTTeDA		1.000	713 > 669	2.42	5.00	5.07	101
PFBS		1.000	299 > 80	2.62	5.00	4.91	98.1
PFPeS		0.876	349 > 80	2.15	5.00	5.38	108
PFHxS		1.001	399 > 80	2.46	5.00	4.88	97.5
PFFHpS		0.926	449 > 80	2.00	5.00	5.89	118
PFOS		1.001	499 > 80	2.66	5.00	4.95	98.9
PFNS		1.044	549 > 80	2.21	5.00	4.85	96.9
PFDS		1.082	599 > 80	2.34	5.00	5.39	108
PFDnS		1.177	699 > 80	2.08	5.00	4.81	96.1
4:2 FTS		1.000	327 > 307	0.43	20.0	20.1	100
6:2 FTS		0.999	427 > 407	0.43	18.0	18.7	104
8:2 FTS		1.000	527 > 507	0.48	17.0	16.1	95.2
PFOSA		1.001	498 > 78		5.00	5.52	110
N-MeFOSA		1.000	512 > 219	0.56	5.00	5.93	119
N-EtFOSA		1.001	526 > 219	0.53	14.0	14.4	103
MeFOSAA		1.001	570 > 419	1.97	5.00	4.64	92.8
EtFOSAA		1.001	584 > 419	1.22	5.00	4.67	93.5
N-MeFOSE		1.002	616 > 59		50.0	53.2	106
N-EtFOSE		1.002	630 > 59		50.0	50.2	100
3:3 FTCA			241 > 177	1.52	20.0	18.2	91.0
5:3 FTCA		1.057	341 > 237	1.38	125	131	105
7:3 FTCA		1.373	441 > 317	0.67	125	115	91.8

(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_131 S: 41
Instrument ID:	LCMS/MS	Analysis Date:	02-May-2024
LC Column ID:	C18	Analysis Time:	23:12:57

LABELLED COMPOUND	LAB FLAG <sup>1</sup>	RRT	QUANT TRANSITION	RATIO	EXPECTED CONC. (ng)	CONC. FOUND (ng)	RECOVERY (%)
13C4-PFBA		0.996	217 > 172		40.0	38.8	96.9
13C5-PFPeA		0.852	268 > 223		20.0	21.5	107
13C5-PFHxA		1.000	318 > 273	12.4	10.0	9.61	96.1
13C4-PFHpA		0.885	367 > 322		10.0	9.62	96.2
13C8-PFOA		1.000	421 > 376		10.0	9.11	91.1
13C9-PFNA		1.000	472 > 427		5.00	5.14	103
13C6-PFDA		1.000	519 > 474		5.00	5.07	101
13C7-PFUnA		1.046	570 > 525		5.00	4.99	99.8
13C2-PFDoA		1.082	615 > 570		5.00	4.86	97.2
13C2-PFTeDA		1.170	715 > 670		5.00	4.05	81.0
13C3-PFBS		0.783	302 > 80	2.66	10.0	9.68	96.6
13C3-PFHxS		0.999	402 > 80	2.48	10.0	10.4	103
13C8-PFOS		0.999	507 > 80	2.14	10.1	10.8	107
13C2-4:2 FTS		0.823	329 > 81	1.78	20.2	20.0	98.9
13C2-6:2 FTS		1.002	429 > 81	2.25	20.0	21.0	105
13C2-8:2 FTS		1.271	529 > 81	3.81	20.0	20.0	99.7
13C8-PFOSA		1.159	506 > 78		10.0	12.3	123
D3-N-MeFOSA		1.346	515 > 219		10.0	8.87	88.7
D5-N-EtFOSA		1.381	531 > 219		10.0	9.64	96.4
D3-MeFOSAA		1.314	573 > 419		20.0	24.3	122
D5-EtFOSAA		1.339	589 > 419		20.0	26.5	133
d7-NMe-FOSE		1.330	623 > 59		100	118	118
d9-Net-FOSE		1.365	639 > 59		100	113	113

(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\_\_\_\_\_



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Accreditation Scope					
<div>SGS AXYS Analytical Services Ltd.</div> <div>file ref.: ACC-103 Rev. 73</div>					
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum Solids	Tissue and Tissue Flora
				CALA <div>Alaska DEC ANAB DdDDOE ** ANAB ISO 17025  CALA California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Virginia DGS Washington DE</div>	<div>ANAB DdDDOE ** ANAB ISO 17025  CALA Florida DOH Minnesota DOH New Jersey DEP Virginia DGS</div> Urine Water Water Non-Potable <div>ANAB DdDDOE ** ANAB ISO 17025 California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Pennsylvania DEP Virginia DGS Washington DE *</div> ANAB DdDDOE ** ANAB ISO 17025AFF
OC Pesticides	Endrin	EPA 608	MLA-007		
OC Pesticides		EPA 8081B	MLA-007		
OC Pesticides		EPA 1699	MLA-028		
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y	
OC Pesticides		SGS AXYS MLA-007	MLA-007		Y
OC Pesticides		SGS AXYS MLA-228	MLA-228		Y Y
OC Pesticides	Endrin aldehyde	EPA 608	MLA-007		
OC Pesticides		EPA 8081B	MLA-007		
OC Pesticides		EPA 1699	MLA-028		
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y	
OC Pesticides		SGS AXYS MLA-007	MLA-007		Y
OC Pesticides		SGS AXYS MLA-228	MLA-228		Y Y
OC Pesticides	Endrin ketone	EPA 8081B	MLA-007		
OC Pesticides		EPA 1699	MLA-028		
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y	
OC Pesticides		SGS AXYS MLA-007	MLA-007		Y
OC Pesticides		SGS AXYS MLA-228	MLA-228		Y Y
OC Pesticides	Gamma-HCH (Lindane)	EPA 625	MLA-007		
OC Pesticides		EPA 827OE	MLA-007		
OC Pesticides		EPA 1699	MLA-028		
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y	
OC Pesticides		SGS AXYS MLA-007	MLA-007		Y
OC Pesticides		SGS AXYS MLA-228	MLA-228		Y Y
OC Pesticides	Heptachlor	EPA 625	MLA-007		
OC Pesticides		EPA 827OE	MLA-007		
OC Pesticides		EPA 1699	MLA-028		
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y	
OC Pesticides		SGS AXYS MLA-007	MLA-007		Y
OC Pesticides		SGS AXYS MLA-228	MLA-228		Y Y
OC Pesticides	Heptachlor epoxide	EPA 608	MLA-007		
OC Pesticides		EPA 8081B	MLA-007		
OC Pesticides		EPA 1699	MLA-028		
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y	
OC Pesticides		SGS AXYS MLA-007	MLA-007		Y
OC Pesticides		SGS AXYS MLA-228	MLA-228		Y Y
OC Pesticides	Hexachlorobenzene	EPA 1625	MLA-007		
OC Pesticides		EPA 827OE	MLA-007		
OC Pesticides		EPA 1699	MLA-028		
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y	
OC Pesticides		SGS AXYS MLA-007	MLA-007		Y
OC Pesticides		SGS AXYS MLA-228	MLA-228		Y Y
OC Pesticides	Methoxychlor	EPA 608	MLA-007		
OC Pesticides		EPA 8081B	MLA-007		
OC Pesticides		EPA 1699	MLA-028		
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y	
OC Pesticides		SGS AXYS MLA-007	MLA-007		Y
OC Pesticides		SGS AXYS MLA-228	MLA-228		Y Y
OC Pesticides	Mirex	EPA 827OE	MLA-007		
OC Pesticides		EPA 1699	MLA-028		
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y	
OC Pesticides		SGS AXYS MLA-007	MLA-007		Y
OC Pesticides		SGS AXYS MLA-228	MLA-228		Y Y
OC Pesticides	Oxychlordane	EPA 827OE	MLA-007		
OC Pesticides		EPA 1699	MLA-028		
OC Pesticides		SGS AXYS MLA-028	MLA-028	Y	
OC Pesticides		SGS AXYS MLA-007	MLA-007		Y
OC Pesticides		SGS AXYS MLA-228	MLA-228		Y Y
OC Pesticides	Toxaphene	EPA 827OE	MLA-007		
OC Pesticides		SGS AXYS MLA-007	MLA-007		

Accreditation Scope			
SGS AXYS Analytical Services Ltd. file ref.: ACC-103 Rev. 73			
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID
OC Pesticides	trans-Chlordane (gamma-Chlordane)	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	trans-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
Fluoride	Fluoride	EPA 1621 draft	MLA-119
	Fluoride	SGS AXYS MLA-119 AOF	MLA-119
		SGS AXYS MLA-119 EOF	MLA-119
	Fluoride	SGS AXYS MLA-119 TF	MLA-119
PAH	"Extractable Organics" category (CA only)	EPA 8270E	MLA-021
PAH	"Semi-volatile Organic Compounds" category (CA only)	EPA 1625	MLA-021
PAH	1,2,6-Trimethylphenanthrene	SGS AXYS MLA-021	MLA-021
PAH	1,2-Dimethylnaphthalene	SGS AXYS MLA-021	MLA-021
PAH	1,4,6,7-Tetramethylnaphthalene	SGS AXYS MLA-021	MLA-021
PAH	1,7-Dimethylfluorene	SGS AXYS MLA-021	MLA-021
PAH	1,7-Dimethylphenanthrene	SGS AXYS MLA-021	MLA-021
PAH	1,8-Dimethylphenanthrene	SGS AXYS MLA-021	MLA-021
PAH	1-Methylchrysene	SGS AXYS MLA-021	MLA-021
PAH	1-Methylnaphthalene	SGS AXYS MLA-021	MLA-021
PAH	1-Methylphenanthrene	SGS AXYS MLA-021	MLA-021
PAH	2,3,5-Trimethylnaphthalene	SGS AXYS MLA-021	MLA-021
PAH	2,3,6-Trimethylnaphthalene	SGS AXYS MLA-021	MLA-021
PAH	2,4-Dimethyldibenzothiophene	SGS AXYS MLA-021	MLA-021
PAH	2,6-Dimethylnaphthalene	SGS AXYS MLA-021	MLA-021
PAH	2,6-Dimethylphenanthrene	SGS AXYS MLA-021	MLA-021
PAH	2-Methylantracene	SGS AXYS MLA-021	MLA-021
PAH	2-Methyldibenzothiophene	SGS AXYS MLA-021	MLA-021
PAH	2-Methylfluorene	SGS AXYS MLA-021	MLA-021
PAH	2-Methylnaphthalene	EPA 8270E	MLA-021
PAH		SGS AXYS MLA-021	MLA-021
PAH	2-Methylphenanthrene	SGS AXYS MLA-021	MLA-021
PAH	3,6-Dimethylphenanthrene	SGS AXYS MLA-021	MLA-021
PAH	3-Methyldibenzothiophene	SGS AXYS MLA-021	MLA-021
PAH	3-Methylfluoranthene/ Benzo[a]fluorene	SGS AXYS MLA-021	MLA-021
PAH	3-Methylphenanthrene	SGS AXYS MLA-021	MLA-021
PAH	5,9-Dimethylchrysene	SGS AXYS MLA-021	MLA-021
PAH	5,6-Methylchrysenes	SGS AXYS MLA-021	MLA-021
PAH	7-Methylbenzo[a]pyrene	SGS AXYS MLA-021	MLA-021
PAH	9,4-Methylphenanthrenes	SGS AXYS MLA-021	MLA-021
PAH	Acenaphthene	EPA 1625	MLA-021
PAH		EPA 8270E	MLA-021
PAH		SGS AXYS MLA-021	MLA-021
PAH	Acenaphthylene	EPA 1625	MLA-021
PAH		EPA 8270E	MLA-021
PAH		SGS AXYS MLA-021	MLA-021
PAH	Anthracene	EPA 1625	MLA-021
PAH		EPA 8270E	MLA-021
PAH		SGS AXYS MLA-021	MLA-021
PAH	Benz[a]anthracene	EPA 1625	MLA-021
PAH		EPA 8270E	MLA-021
PAH		SGS AXYS MLA-021	MLA-021
PAH	Benzo[a]pyrene	EPA 1625	MLA-021
PAH		EPA 8270E	MLA-021
PAH		SGS AXYS MLA-021	MLA-021
PAH	Benzo[b]fluoranthene	EPA 1625	MLA-021
PAH		EPA 8270E	MLA-021
PAH		SGS AXYS MLA-021	MLA-021

Accreditation Scope			
SGS AXYS Analytical Services Ltd. file ref.: ACC-103 Rev. 73			
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID
PAH	Benzof[e]pyrene	SGS AXYS MLA-021	MLA-021
PAH	Benzo[ghi]perylene	EPA 1625	MLA-021
PAH		EPA 8270E	MLA-021
PAH		SGS AXYS MLA-021	
PAH	Benzo[j,k]fluoranthenes	SGS AXYS MLA-021	MLA-021
PAH	Benzo[k]fluoranthene	EPA 1625	MLA-021
PAH		EPA 8270E	MLA-021
PAH		SGS AXYS MLA-021	MLA-021
PAH	Biphenyl	SGS AXYS MLA-021	MLA-021
PAH	C1-Acenaphthenes	SGS AXYS MLA-021	MLA-021
PAH	C1-Benz(a)anthracenes/chrysenes	SGS AXYS MLA-021	MLA-021
PAH	C1-Benzofluoranthenes/ Benzopyrenes	SGS AXYS MLA-021	MLA-021
PAH	C1-Biphenyls	SGS AXYS MLA-021	MLA-021
PAH	C1-Dibenzothiophene	SGS AXYS MLA-021	MLA-021
PAH	C1-Fluoranthenes/Pyrenes	SGS AXYS MLA-021	MLA-021
PAH	C1-Fluorenes	SGS AXYS MLA-021	MLA-021
PAH	C1-Naphthalenes	SGS AXYS MLA-021	MLA-021
PAH	C1-Phenanthrenes/Anthracenes	SGS AXYS MLA-021	MLA-021
PAH	C2-Benz(a)anthracenes/Chrysenes	SGS AXYS MLA-021	MLA-021
PAH	C2-Benzofluoranthenes/ Benzopyrenes	SGS AXYS MLA-021	MLA-021
PAH	C2-Biphenyls	SGS AXYS MLA-021	MLA-021
PAH	C2-Dibenzothiophene	SGS AXYS MLA-021	MLA-021
PAH	C2-Fluoranthenes/Pyrenes	SGS AXYS MLA-021	MLA-021
PAH	C2-Fluorenes	SGS AXYS MLA-021	MLA-021
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

Accreditation Scope			
SGS AXYS Analytical Services Ltd. file ref.: ACC-103 Rev. 73			
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID
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
PBDPE	BDE 10 2,6-dibromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 100 2,2',4,4',6-pentabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 105 2,3,3',4,4'-pentabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 11 3,3'-dibromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 116 2,3,4,5,6-pentabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 119 2,3',4,4',6-pentabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 12 3,4-dibromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 126 3,3',4,4',5-pentabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 13 3,4'-dibromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 140 2,2',3,4,4',6'-hexabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 15 4,4'-dibromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 153 2,2',4,4',5,5'-hexabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 154 2,2',4,4',5',6-hexabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 155 2,2',4,4',6,6'-hexabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 166 2,3,4,4',5,6-hexabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 17 2,2',4-tribromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 181 2,2',3,4,4',5,6-heptabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 183 2,2',3,4,4',5',6-heptabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 190 2,3,3',4,4',5,6-heptabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 206 2,2',3,3',4,4',5,5',6-nonabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 207 2,2',3,3',4,4',5,6,6'-nonabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 208 2,2',3,3',4,4',5,5',6,6'-nonabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 209 Decabromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 25 2,3',4-tribromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 28 2,4,4'-tribromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 30 2,4,6-tribromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 33 2',3,4-tribromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 35 3,3',4-tribromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033
PBDPE	BDE 37 3,4,4'-tribromodiphenylether	EPA 1614	MLA-033
PBDPE		SGS AXYS MLA-033	MLA-033

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Accreditation Scope																																
SGS AXYS Analytical Services Ltd. file ref.: ACC-103 Rev. 73																																
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids	Tissue and Tissue Flora										Urine	Water	Water, Non-Portable				AFFF										
				ALA	Alaska DEC ANAB DoD DOE ** ANAB ISO 17025	ALA California WB	California DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoD DOE ** ANAB ISO 17025	ALA Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ALA	ALA	Alaska DEC ANAB DoD DOE ** 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 DOE ** ANAB ISO 17025	
PCB congeners	PCB 109 2,3,3',4,6-Pentachlorobiphenyl	EPA 1668	MLA-010				Y	Y	Y	Y	Y	Y	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			
PCB congeners		SGS AXYS MLA-908	MLA-908				Y					Y	Y			Y		Y				Y						Y	Y			
PCB congeners	PCB 11 3,3'-Dichlorobiphenyl	EPA 1628	MLA-908																			Y										
PCB congeners		EPA 1668	MLA-010				Y	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	PCB 110 2,3,3',4',6-Pentachlorobiphenyl	SGS AXYS MLA-210	MLA-210			Y	Y								Y	Y				Y		Y										
PCB congeners		SGS AXYS MLA-908	MLA-908				Y					Y	Y			Y		Y				Y							Y	Y		
PCB congeners		EPA 1628	MLA-908																			Y										
PCB congeners		EPA 1668	MLA-010				Y	Y		Y	Y	Y	Y			Y		Y				Y	Y		Y	Y	Y	Y	Y	Y	Y	
PCB congeners	PCB 111/117	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			
PCB congeners	PCB 112 2,3,3',5,6-Pentachlorobiphenyl	EPA 1628	MLA-908				Y															Y										
PCB congeners		EPA 1668	MLA-010																													

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Accreditation Scope			
SGS AXYS Analytical Services Ltd. file ref.: ACC-103 Rev. 73			
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID
PCB congeners	PCB 170 2,2',3,3',4,4',5-Heptachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 170/190	EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-007	MLA-007
PCB congeners	PCB 171 2,2',3,3',4,4',6-Heptachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-007	MLA-007
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 172 2,2',3,3',4,5,5'-Heptachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 172/192	EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-007	MLA-007
PCB congeners	PCB 173 2,2',3,3',4,5,6-Heptachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 174 2,2',3,3',4,5,6'-Heptachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 174/181	EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-007	MLA-007
PCB congeners	PCB 175 2,2',3,3',4,5',6-Heptachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-007	MLA-007
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 176 2,2',3,3',4,6,6'-Heptachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-007	MLA-007
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 177 2,2',3,3',4,5',6'-Heptachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-007	MLA-007
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 178 2,2',3,3',5,5',6-Heptachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-007	MLA-007
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908

[illegible]

Accreditation Scope

SGS AXYS Analytical Services Ltd.  
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Accreditation Scope																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Accreditation Scope

SGS AXYS Analytical Services Ltd.  
file ref.: ACC-103 Rev. 73

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum												Tissue and Tissue Flora												Urine	Water	Water, Non-Portable	AFF
				CALA	Alaska DEC	ANAB DoDIDOE **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoDIDOE **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	Washington DE *	ANAB DoDIDOE **	ANAB ISO 17025					
PCB congeners	PCB 196 2,2',3,3',4,4',5,6'-Octachlorobiphenyl	EPA 1668	MLA-010							Y	Y			Y	Y	Y				Y											
PCB congeners		SGS AXYS MLA-010	MLA-010	Y						Y									Y	Y							Y				
PCB congeners		SGS AXYS MLA-210	MLA-210							Y										Y											
PCB congeners		SGS AXYS MLA-908	MLA-908							Y						Y				Y											
PCB congeners	PCB 196/203	EPA 1628	MLA-908							Y										Y											
PCB congeners		EPA 8270E	MLA-007																												
PCB congeners		SGS AXYS MLA-007	MLA-007					Y											Y								Y				
PCB congeners		EPA 1668	MLA-010							Y				Y	Y	Y				Y											
PCB congeners	PCB 197 2,2',3,3',4,4',6,6'-Octachlorobiphenyl	EPA 8270E	MLA-007																												
PCB congeners		SGS AXYS MLA-010	MLA-010	Y				Y	Y										Y	Y							Y				
PCB congeners		SGS AXYS MLA-007	MLA-007					Y												Y							Y				
PCB congeners		SGS AXYS MLA-210	MLA-210					Y	Y							Y															
PCB congeners	PCB 198 2,2',3,3',4,5,5',6'-Octachlorobiphenyl	SGS AXYS MLA-908	MLA-908												Y	Y				Y											
PCB congeners		EPA 1628	MLA-908							Y																					
PCB congeners		EPA 1668	MLA-010							Y	Y			Y	Y	Y				Y											
PCB congeners		EPA 8270E	MLA-007																												
PCB congeners	PCB 199 2,2',3,3',4,5,5',6'-Octachlorobiphenyl	SGS AXYS MLA-010	MLA-010	Y				Y	Y											Y	Y										
PCB congeners		SGS AXYS MLA-007	MLA-007					Y																							
PCB congeners		SGS AXYS MLA-210	MLA-210					Y	Y							Y															
PCB congeners		SGS AXYS MLA-908	MLA-908					Y						Y	Y					Y											
PCB congeners	PCB 20 2,2',3,3',4,5,5',6'-Octachlorobiphenyl	EPA 1628	MLA-908							Y																					
PCB congeners		EPA 1668	MLA-010							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										
PCB congeners	PCB 2 3-Chlorobiphenyl	SGS AXYS MLA-007	MLA-007					Y																							
PCB congeners		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	PCB 20 2,3,3'-Trichlorobiphenyl	EPA 1668	MLA-010							Y	Y			Y	Y	Y				Y											
PCB congeners		SGS AXYS MLA-010	MLA-010	Y				Y	Y											Y	Y										
PCB congeners		SGS AXYS MLA-210	MLA-210					Y	Y																						
PCB congeners		SGS AXYS MLA-908	MLA-908					Y												Y											
PCB congeners	PCB 200 2,2',3,3',4,5,6,6'-Octachlorobiphenyl	EPA 1628	MLA-908							Y																					
PCB congeners		EPA 1668	MLA-010							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										
PCB congeners	PCB 201 2,2',3,3',4,5',6,6'-Octachlorobiphenyl	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							Y				Y	Y	Y				Y											
PCB congeners	PCB 202 2,2',3,3',5,5',6,6'-Octachlorobiphenyl	EPA 8270E	MLA-007																												
PCB congeners		SGS AXYS MLA-010	MLA-010	Y				Y	Y											Y	Y										
PCB congeners		SGS AXYS MLA-210	MLA-210					Y	Y																						
PCB congeners		SGS AXYS MLA-908	MLA-908					Y												Y											
PCB congeners	PCB 203 2,2',3,4,4',5,5',6'-Octachlorobiphenyl	EPA 1628	MLA-908							Y																					
PCB congeners		EPA 1668	MLA-010							Y	Y			Y	Y	Y				Y											
PCB congeners		SGS AXYS MLA-010	MLA-010	Y				Y	Y											Y	Y										
PCB congeners		SGS AXYS MLA-210	MLA-210					Y																							
PCB congeners	PCB congeners	SGS AXYS MLA-908	MLA-908					Y												Y											
PCB congeners		EPA 1628	MLA-908							Y																					
PCB congeners		EPA 1668	MLA-010							Y	Y			Y	Y	Y				Y											
PCB congeners		SGS AXYS MLA-010	MLA-010	Y				Y	Y											Y	Y										
PCB congeners	PCB congeners	SGS AXYS MLA-210	MLA-210					Y																							
PCB congeners		SGS AXYS MLA-908	MLA-908					Y												Y											
PCB congeners		EPA 1628	MLA-908							Y																					
PCB congeners		EPA 1668	MLA-010							Y	Y			Y	Y	Y				Y											
PCB congeners	PCB congeners	SGS AXYS MLA-010	MLA-010	Y				Y	Y											Y	Y										
PCB congeners		SGS AXYS MLA-210	MLA-210					Y																							
PCB congeners		SGS AXYS MLA-908	MLA-908					Y												Y											
PCB congeners		EPA 1628	MLA-908							Y																					

Accreditation Scope

SGS AXYS Analytical Services Ltd.  
file ref.: ACC-103 Rev. 73

Accreditation Scope				Serum	Solids	Tissue and Tissue Flora	Urine	Water	Water, Non-Portable	AFF
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID							
PCB congeners	PCB 204 2,2',3,4,4',5,6,6'-Octachlorobiphenyl	EPA 1668	MLA-010							
PCB congeners		EPA 8270E	MLA-007							
PCB congeners		SGS AXYS MLA-010	MLA-010	Y		Y	Y			
PCB congeners		SGS AXYS MLA-210	MLA-210			Y	Y	Y		
PCB congeners		SGS AXYS MLA-908	MLA-908			Y	Y	Y	Y	Y
PCB congeners	PCB 205 2,3,3',4,4',5,5',6-Octachlorobiphenyl	EPA 1628	MLA-908			Y				
PCB congeners		EPA 1668	MLA-010			Y	Y	Y	Y	Y
PCB congeners		EPA 8270E	MLA-007							
PCB congeners		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y	
PCB congeners		SGS AXYS MLA-007	MLA-007			Y			Y	
PCB congeners	PCB 206 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	SGS AXYS MLA-210	MLA-210			Y	Y	Y		
PCB congeners		SGS AXYS MLA-908	MLA-908			Y	Y	Y	Y	Y
PCB congeners		EPA 1628	MLA-908			Y			Y	
PCB congeners		EPA 1668	MLA-010			Y	Y	Y	Y	Y
PCB congeners		EPA 8270E	MLA-007	Y		Y	Y		Y	
PCB congeners	PCB 207 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	SGS AXYS MLA-010	MLA-010			Y	Y		Y	
PCB congeners		SGS AXYS MLA-007	MLA-007			Y			Y	
PCB congeners		SGS AXYS MLA-210	MLA-210			Y	Y	Y		
PCB congeners		SGS AXYS MLA-908	MLA-908			Y	Y	Y	Y	Y
PCB congeners		EPA 1628	MLA-908			Y			Y	
PCB congeners	PCB 208 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	EPA 1668	MLA-010			Y			Y	
PCB congeners		EPA 8270E	MLA-007							
PCB congeners		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y	
PCB congeners		SGS AXYS MLA-007	MLA-007			Y			Y	
PCB congeners		SGS AXYS MLA-210	MLA-210			Y	Y	Y		
PCB congeners	PCB 209 Decachlorobiphenyl	SGS AXYS MLA-908	MLA-908			Y	Y	Y	Y	Y
PCB congeners		EPA 1628	MLA-908			Y			Y	
PCB congeners		EPA 1668	MLA-010			Y	Y	Y	Y	Y
PCB congeners		EPA 8270E	MLA-007							
PCB congeners		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y	
PCB congeners	PCB 21 2,3,4-Trichlorobiphenyl	SGS AXYS MLA-007	MLA-007			Y			Y	
PCB congeners		SGS AXYS MLA-210	MLA-210			Y	Y	Y		
PCB congeners		SGS AXYS MLA-908	MLA-908			Y	Y	Y	Y	Y
PCB congeners		EPA 1628	MLA-908			Y			Y	
PCB congeners		EPA 1668	MLA-010			Y	Y	Y	Y	Y
PCB congeners	PCB 22 2,3,4'-Trichlorobiphenyl	EPA 8270E	MLA-007							
PCB congeners		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y	
PCB congeners		SGS AXYS MLA-007	MLA-007			Y			Y	
PCB congeners		SGS AXYS MLA-210	MLA-210			Y	Y	Y		
PCB congeners		SGS AXYS MLA-908	MLA-908			Y	Y	Y	Y	Y
PCB congeners	PCB 23 2,3,5-Trichlorobiphenyl	EPA 1628	MLA-908			Y			Y	
PCB congeners		EPA 1668	MLA-010			Y	Y	Y	Y	Y
PCB congeners		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y	
PCB congeners		SGS AXYS MLA-210	MLA-210			Y	Y	Y		
PCB congeners		SGS AXYS MLA-908	MLA-908			Y	Y	Y	Y	Y
PCB congeners	PCB 23/34	EPA 8270E	MLA-007							

Accreditation Scope				SGS AXYS Analytical Services Ltd.																						
file ref.: ACC-103 Rev. 73																										
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids	Tissue and Tissue Flora										Urine	Water	Water, Non-Portable	AFFF							
				CALA	Alaska DEC	ANAB DoDDOE **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoDDOE **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	Washington DE *	ANAB DoDDOE **	ANAB ISO 17025
PCB congeners	PCB 24 2,3,6-Trichlorobiphenyl	EPA 1668	MLA-010																							
PCB congeners		SGS AXYS MLA-010	MLA-010	Y				Y		Y	Y		Y	Y	Y	Y			Y	Y						
PCB congeners		SGS AXYS MLA-210	MLA-210					Y											Y	Y						
PCB congeners		SGS AXYS MLA-908	MLA-908							Y					Y					Y		Y	Y	Y	Y	
PCB congeners		EPA 1628	MLA-908							Y										Y						
PCB congeners	PCB 24/27	EPA 8270E	MLA-007																							
PCB congeners		SGS AXYS MLA-007	MLA-007					Y											Y							
PCB congeners	PCB 25 2,3',4-Trichlorobiphenyl	EPA 1668	MLA-010							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			
PCB congeners		SGS AXYS MLA-007	MLA-007					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	
PCB congeners		EPA 1628	MLA-908							Y										Y						
PCB congeners	PCB 26 2,3',5-Trichlorobiphenyl	EPA 1668	MLA-010							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			
PCB congeners		SGS AXYS MLA-007	MLA-007					Y																		
PCB congeners		SGS AXYS MLA-210	MLA-210					Y		Y						Y						Y	Y	Y	Y	
PCB congeners		SGS AXYS MLA-908	MLA-908							Y				Y	Y					Y		Y	Y	Y	Y	
PCB congeners		EPA 1628	MLA-908							Y										Y						
PCB congeners	PCB 27 2,3',6-Trichlorobiphenyl	EPA 1668	MLA-010							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			
PCB congeners		SGS AXYS MLA-210	MLA-210					Y							Y					Y		Y	Y	Y	Y	
PCB congeners		SGS AXYS MLA-908	MLA-908							Y				Y	Y					Y		Y	Y	Y	Y	
PCB congeners		EPA 1628	MLA-908							Y										Y						
PCB congeners	PC																									

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID
PCB congeners	PCB 33 2,3',4'-Trichlorobiphenyl	EPA 1668	MLA-010
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 33/20/21	EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-007	MLA-007
PCB congeners	PCB 34 2,3',5'-Trichlorobiphenyl	EPA 1668	MLA-010
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 35 3,3',4'-Trichlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 36 3,3',5'-Trichlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 37 3,4,4'-Trichlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 38 3,4,5'-Trichlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 39 3,4',5'-Trichlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 40 2,2',3,3'-Tetrachlorobiphenyl	EPA 8270E	MLA-007
PCB congeners		EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-007	MLA-007
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 41 2,2',3,4-Tetrachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 41/71/64/68	EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-007	MLA-007

Accreditation Scope

SGS AXYS Analytical Services Ltd.  
file ref.: ACC-103 Rev. 73

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum												Tissue and Tissue Flora												Urine	Water	Water, Non-Portable	AFF							
				CALA	Alaska DEC	ANAB DoDDOE **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoDDOE **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	Alaska DEC	ANAB DoDDOE **	ANAB ISO 17025	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB DoDDOE **	ANAB ISO 17025	
PCB congeners	PCB 42 2,2',3,4'-Tetrachlorobiphenyl	EPA 1668	MLA-010							Y	Y	Y	Y	Y	Y	Y				Y																		
PCB congeners		SGS AXYS MLA-010	MLA-010	Y						Y										Y																		
PCB congeners		SGS AXYS MLA-210	MLA-210							Y										Y																		
PCB congeners		SGS AXYS MLA-908	MLA-908							Y										Y																		
PCB congeners	PCB 42/59	EPA 1628	MLA-908							Y																												
PCB congeners		EPA 8270E	MLA-007																																			
PCB congeners	PCB 43 2,2',3,5-Tetrachlorobiphenyl	SGS AXYS MLA-007	MLA-007					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									
PCB congeners		SGS AXYS MLA-210	MLA-210						Y	Y										Y									Y									
PCB congeners	PCB 44 2,2',3,5'-Tetrachlorobiphenyl	SGS AXYS MLA-908	MLA-908							Y					Y	Y				Y									Y									
PCB congeners		EPA 1628	MLA-908							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	PCB 45 2,2',3,6-Tetrachlorobiphenyl	SGS AXYS MLA-010	MLA-010	Y					Y	Y										Y	Y								Y									
PCB congeners		SGS AXYS MLA-007	MLA-007						Y											Y									Y									
PCB congeners		SGS AXYS MLA-210	MLA-210						Y	Y										Y									Y									
PCB congeners		SGS AXYS MLA-908	MLA-908							Y					Y	Y				Y									Y									
PCB congeners	PCB 46 2,2',3,6'-Tetrachlorobiphenyl	EPA 1628	MLA-908							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									
PCB congeners	PCB 47 2,2',4,4'-Tetrachlorobiphenyl	SGS AXYS MLA-007	MLA-007						Y																					Y								
PCB congeners		SGS AXYS MLA-210	MLA-210						Y	Y																				Y								
PCB congeners		SGS AXYS MLA-908	MLA-908							Y					Y	Y				Y									Y									
PCB congeners		EPA 1628	MLA-908							Y																				Y								
PCB congeners	PCB 47/48/75	EPA 1668	MLA-010							Y	Y			Y	Y	Y	Y			Y								Y										
PCB congeners		SGS AXYS MLA-010	MLA-010	Y					Y	Y										Y	Y								Y									
PCB congeners		SGS AXYS MLA-210	MLA-210						Y	Y																				Y								
PCB congeners		SGS AXYS MLA-908	MLA-908							Y					Y	Y				Y									Y									
PCB congeners	PCB 48 2,2',4,5-Tetrachlorobiphenyl	EPA 1628	MLA-908							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									
PCB congeners		SGS AXYS MLA-210	MLA-210						Y	Y																				Y								
PCB congeners	PCB 49 2,2',4,5'-Tetrachlorobiphenyl	SGS AXYS MLA-908	MLA-908							Y					Y	Y				Y									Y									
PCB congeners		EPA 1628	MLA-908							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	PCB 49/43	SGS AXYS MLA-007	MLA-007																	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									
PCB congeners		SGS AXYS MLA-210	MLA-210						Y	Y																				Y								
PCB congeners	PCB 50 2,2',4,6-Tetrachlorobiphenyl	SGS AXYS MLA-908	MLA-908							Y					Y	Y				Y									Y									
PCB congeners		EPA 1628	MLA-908							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	PCB 5 2,3-Dichlorobiphenyl	SGS AXYS MLA-010	MLA-010	Y					Y	Y										Y	Y								Y									
PCB congeners		SGS AXYS MLA-210	MLA-210						Y	Y																				Y								
PCB congeners		SGS AXYS MLA-908	MLA-908							Y					Y	Y				Y									Y									
PCB congeners		EPA 1628	MLA-908							Y																				Y								
PCB congeners	PCB 50 2,2',4,6-Tetrachlorobiphenyl	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									
PCB congeners		SGS AXYS MLA-210	MLA-210						Y	Y																				Y								
PCB congeners	PCB congeners	SGS AXYS MLA-908	MLA-908							Y					Y	Y				Y									Y									
PCB congeners		EPA 1628	MLA-908							Y																				Y								



<div>Accreditation Scope</div> <div>SGS AXYS Analytical Services Ltd.</div> <div>file ref.: ACC-103 Rev. 73</div>						Serum	Solids														Tissue and Tissue Flora	Urine	Water	Water, Non-Potable														AFFF		
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	Alaska DEC	ANAB DoDDOE **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoDDOE **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	CALA	CALA	Alaska DEC	ANAB DoDDOE **	ANAB ISO 17025	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB DoDDOE **	ANAB ISO 17025	
PCB congeners	PCB 51 2,2',4,6'-Tetrachlorobiphenyl	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					Y										
PCB congeners		SGS AXYS MLA-210	MLA-210					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	Y	Y	Y			
PCB congeners	PCB 52 2,2',5,5'-Tetrachlorobiphenyl	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									
PCB congeners		SGS AXYS MLA-908	MLA-908							Y					Y	Y				Y		Y	Y							Y			Y	Y	Y	Y	Y			
PCB congeners	PCB 52/73	EPA 1628	MLA-908							Y											Y									Y										
PCB congeners		EPA 8270E	MLA-007																																					
PCB congeners		SGS AXYS MLA-007	MLA-007					Y																																
PCB congeners		EPA 1668	MLA-010							Y	Y									Y					Y															
PCB congeners		SGS AXYS MLA-010	MLA-010																																					
PCB congeners	PCB 53 2,2',5,6'-Tetrachlorobiphenyl	EPA 1668	MLA-010							Y	Y									Y					Y															
PCB congeners																																								



Accreditation Scope				SGS AXYS Analytical Services Ltd.																		file ref.: ACC-103 Rev. 73							
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids	Alaska DEC	Alaska DoD/DOE **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Tissue and Tissue Flora	ANAB DoD/DOE **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	Washington DE *	AFF	ANAB DoD/DOE **	ANAB ISO 17025
PCB congeners	PCB 7/9	EPA 8270E	MLA-007																										
PCB congeners	PCB 70 2,3',4',5-Tetrachlorobiphenyl	EPA 1668	MLA-010								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						
PCB congeners		SGS AXYS MLA-210	MLA-210						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
PCB congeners		EPA 1628	MLA-908								Y											Y							
PCB congeners	PCB 70/76	EPA 8270E	MLA-007																										
PCB congeners		SGS AXYS MLA-007	MLA-007						Y													Y							
PCB congeners		SGS AXYS MLA-010	MLA-010																										
PCB congeners	PCB 71 2,3',4',6-Tetrachlorobiphenyl	EPA 1668	MLA-010								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						
PCB congeners		SGS AXYS MLA-210	MLA-210						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 72 2,3',5,5'-Tetrachlorobiphenyl	EPA 1668	MLA-010								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	Y
PCB congeners		SGS AXYS MLA-210	MLA-210						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	PCB 73 2,3',5',6-Tetrachlorobiphenyl	EPA 1628	MLA-908								Y											Y							
PCB congeners		EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y					Y	Y			Y	Y	Y	Y
PCB congeners		SGS AXYS MLA-010	MLA-010	Y				</																					

Accreditation Scope				SGS AXYS Analytical Services Ltd.																											
file ref.: ACC-103 Rev. 73																															
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids	Tissue and Tissue Flora										Urine	Water	Water, Non-Portable	AFFF												
				CALA	Alaska DEC ANAB DoD/DOE ** ANAB ISO 17025	CALA California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoD/DOE ** ANAB ISO 17025	CALA Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	Urine	Water	Water, Non-Portable	ANAB DoD/DOE ** ANAB ISO 17025	CALA California WB	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB DoD/DOE ** ANAB ISO 17025
PCB congeners	PCB 8 2,4'-Dichlorobiphenyl	EPA 1668	MLA-010				Y	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	Y
PCB congeners		EPA 1628	MLA-908				Y								Y										Y						
PCB congeners	PCB 8/5	EPA 8270E	MLA-007																												
PCB congeners		SGS AXYS MLA-007	MLA-007			Y									Y					Y											
PCB congeners	PCB 80 3,3',5,5'-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y	Y		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				Y						
PCB congeners		SGS AXYS MLA-210	MLA-210			Y	Y					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	Y	Y	Y	Y
PCB congeners		EPA 1628	MLA-908				Y								Y										Y						
PCB congeners	PCB 81 3,4,4',5-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y	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				Y						
PCB congeners		SGS AXYS MLA-210	MLA-210			Y	Y						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	Y	Y	Y
PCB congeners		EPA 1628	MLA-908				Y								Y										Y						
PCB congeners	PCB 82 2,2',3,3',4-Pentachlorobiphenyl	EPA 1668	MLA-010				Y	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										

Accreditation Scope			
SGS AXYS Analytical Services Ltd. file ref.: ACC-103 Rev. 73			
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID
PCB congeners	PCB 88/121	EPA 8270E	MLA-007
PCB congeners	PCB 89 2,2',3,4,6'-Pentachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 9 2,5-Dichlorobiphenyl	EPA 1668	MLA-010
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 90 2,2',3,4,5-Pentachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 91 2,2',3,4',6-Pentachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-007	MLA-007
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 92 2,2',3,5,5'-Pentachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 93 2,2',3,5,6-Pentachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 94 2,2',3,5,6'-Pentachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 95 2,2',3,5,6-Pentachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 95/93	EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-007	MLA-007
PCB congeners	PCB 96 2,2',3,6,6'-Pentachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 97 2,2',3,4',5'-Pentachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 97/86	EPA 8270E	MLA-007
PCB congeners		SGS AXYS MLA-007	MLA-007
PCB congeners	PCB 98 2,2',3,4',6'-Pentachlorobiphenyl	EPA 1668	MLA-010
PCB congeners		SGS AXYS MLA-010	MLA-010
PCB congeners		SGS AXYS MLA-210	MLA-210
PCB congeners		SGS AXYS MLA-908	MLA-908
PCB congeners		EPA 1628	MLA-908
PCB congeners	PCB 98/102	EPA 8270E	MLA-007

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Accreditation Scope				SGS AXYS Analytical Services Ltd.																								
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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids	Alaska DEC	Alaska DEC	ANAB DoD DOE **	ANAB ISO 17025	California	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoD DOE **	ANAB ISO 17025	California	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	Washington DE *	ANAB DoD DOE **	ANAB ISO 17025
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	Alaska DEC	Alaska DEC	ANAB DoD DOE **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoD DOE **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	Washington DE *	ANAB DoD DOE **	ANAB ISO 17025	
PFAS	4:2 Fluorotelomersulfonate (4:2 FTS)	SGS AXYS MLA-110	MLA-110	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS		DoD QSM Version 5.3	MLA-110		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS		DoD QSM Version 5.4	MLA-110		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS		EPA 1633	MLA-110		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS		EPA 1633 draft	MLA-110	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS	6:2 Fluorotelomersulfonate (6:2 FTS)	SGS AXYS MLA-110	MLA-110	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS		DoD QSM Version 5.3	MLA-110		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS		DoD QSM Version 5.4	MLA-110		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS		EPA 1633	MLA-110		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS		EPA 1633 draft	MLA-110	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS	8:2 Fluorotelomersulfonate (8:2 FTS)	SGS AXYS MLA-110	MLA-110	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS		DoD QSM Version 5.3	MLA-110		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS		DoD QSM Version 5.4	MLA-110		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS		EPA 1633	MLA-110		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS		EPA 1633 draft	MLA-110	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS	9-chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF3ONS)	SGS AXYS MLA-110	MLA-110	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
PFAS	9-chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF3ONS)	SGS AXYS MLA-110	MLA-110	Y					Y																			
PFAS	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	SGS AXYS MLA-110	MLA-110		Y				Y																			
PFAS		DoD QSM Version 5.3	MLA-110		Y	Y			Y																			
PFAS		DoD QSM Version 5.4	MLA-110			Y	Y</																					





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