



2045 Mills Road West

TEL: (250) 655-5800

Sidney, BC, Canada V8L5X2

TOLL-FREE: 1-888-373-0881

SGS AXYS Client No.: 4853

Client Address: Eastern Reasearch Group, Inc.
110 Hartwell Ave
Lexington, MA, US, 02421

The SGS AXYS contact for these data is Sean Campbell.

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"The sample(s) to which the findings recorded herein (the "Findings") relate was[were] drawn and [or] provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is[are] said to be extracted."



CHAIN OF CUSTODY

2045 Mills Road West TEL: (250) 655-5800
 Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

AXYS CLIENT #: 4853

REPORT TO:			INVOICE TO:			ANALYSIS REQUESTED				
Company	Midwest Biodiversity Institute (MBI)		Company	Eastern Research Group, Inc.		PFAS (MLA-110)	PCBs (MLA-007)	OC Pesticides (MLA-007)		
Address	4673 Northwest Parkway Hilliard, OH 43026		Address	110 Hartwell Ave. Lexington, MA 02421						
Contact			Contact	Naida Gavrelis						
Phone			Phone	781-674-7318						
FAX			FAX	781-674-2851						
E-mail			E-mail	naida.gavrelis@erg.com						
Project Name/Number: ERG 0394.00.013.004			Sampler's Name:							
			Signature:							
Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	AXYS Lab Sample ID (Lab use only)					
052421-A-B-1	Fish	05-24-21	08:00	LDPE Bag	L34988-1	x	x	x		
052421-A-B-2	Fish	05-24-21			-2	X	X	X		
052421-A-B-3	Fish	05-24-21			-3	X	X	X		
052421-A-B-4	Fish	05-24-21			-4	X	X	X		
052421-A-B-5	Fish	05-24-21			-5	X	X	X		
052421-A-B-6	Fish	05-24-21			-6	X	X	X		
052421-A-B-7	Fish	05-24-21			-7	X	X	X		
052421-A-B-8	Fish	05-24-21			-8	X	X	X		
052421-A-yp-1	Fish	05-24-21			-9	X	X	X		
052421-A-Blank	Foil	05-24-21			L34993-1	X	X	X		
Relinquished by (Signature) <i>Paul M. Delord</i> Date 05-26-2021 Time 14:30			Received by (Signature)			Courier		Waybill No.		
Relinquished by (Signature)			Received by (Signature)			Sample Receipt				
Date			Date							
Time			Time			Temp °C				
Remarks						Cooler				
						Custody Seal #				
						Seal Intact Y/N				
						Sample Tags Y/N				



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Address 4673 Northwest Parkway			Address 110 Hartwell Ave.							
Hilliard, OH 43026			Lexington, MA 02421							
Contact			Contact Naida Gavrelis							
Phone			Phone 781-674-7318							
FAX			FAX 781-674-2851							
E-mail			E-mail naida.gavrelis@erg.com							
Project Name/Number: ERG 0394.00.013.004			Sampler's Name:							
			Signature:							
Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	AXYS Lab Sample ID (Lab use only)					
052421-B-B-1	Fish	05-24-21	12:00	LDPE Bag	L34988-10	x	x	x		
052421-B-B-2	Fish	05-24-21	↓	↓	-11	X	X	X		
052421-B-B-3	Fish	05-24-21	↓	↓	-12	X	X	X		
052421-B-B-4	Fish	05-24-21	↓	↓	-13	X	X	X		
052421-B-Blank	Foil	05-24-21			L34933-2	X	X	X		
Relinquished by (Signature)		Date	Time	Received by (Signature)		Courier		Waybill No.		
<i>Paul M. Kelly</i>		05-26-2021	14:30							
Relinquished by (Signature)		Date	Time	Received by (Signature)		Sample Receipt				
Remarks				Date		Time				
						Temp °C		Cooler		
						Custody Seal #				
						Seal Intact Y / N				
						Sample Tags Y / N				



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AXYS CLIENT #: 4853

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Company Midwest Biodiversity Institute (MBI)				Company Eastern Research Group, Inc.				PFAS (MLA-110)	PCBs (MLA-007)	OC Pesticides (MLA-007)		
Address 4673 Northwest Parkway				Address 110 Hartwell Ave.								
Hilliard, OH 43026				Lexington, MA 02421								
Contact				Contact Naida Gavrelis								
Phone				Phone 781-674-7318								
FAX				FAX 781-674-2851								
E-mail				E-mail naida.gavrelis@erg.com								
Project Name/Number: ERG 0394.00.013.004				Sampler's Name:								
				Signature:								
Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	AXYS Lab Sample ID (Lab use only)							
052421-C-SMB-1	Fish	05-24-21	16:15	LDPE Bag	L34988-14	x	x	x				
052421-C-YB-1	Fish	05-24-21	16:15		-15	x	x	x				
052621-C-LMB-1	Fish	05-26-21	07:00		-16	x	x	x				
052621-C-LMB-2	Fish	05-26-21	07:00		-17	x	x	x				
052621-C-SMB-1	Fish	05-26-21	07:00		-18	x	x	x				
052421-C-Blank	Foil	05-24-21	16:15		L34933-3	x	x	x				
052621-C-Blank	Foil	05-26-21	07:00		-4	x	x	x				
Relinquished by (Signature) Date Time				Received by (Signature)				Courier		Waybill No.		
Paul M. DeRuy 05-26-2021 14:30												
Relinquished by (Signature) Date Time				Received by (Signature)				Sample Receipt				
Remarks												
								Cooler				
								Temp °C				
								Custody Seal #				
								Seal Intact Y / N				
								Sample Tags Y / N				



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 Sidney, British Columbia, Canada V8L 5X2 FAX: (250) 655-5811

AXYS CLIENT #: 4853

REPORT TO:			INVOICE TO:			ANALYSIS REQUESTED				
Company	Midwest Biodiversity Institute (MBI)		Company	Eastern Research Group, Inc.		PFAS (MLA-110)	PCBs (MLA-007)	OC Pesticides (MLA-007)		
Address	4673 Northwest Parkway Hilliard, OH 43026		Address	110 Hartwell Ave. Lexington, MA 02421						
Contact			Contact	Naida Gavrelis						
Phone			Phone	781-674-7318						
FAX			FAX	781-674-2851						
E-mail			E-mail	naida.gavrelis@erg.com						
Project Name/Number: ERG 0394.00.013.004			Sampler's Name:							
Signature:										
Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	AXYS Lab Sample ID (Lab use only)					
052521-D-LMB-1	Fish	05-25-21	07:50	LDPE Bag	L34988-19	x	x	x		
052521-D-LMB-2	Fish				-20	X	X	X		
052521-D-LMB-3	Fish				-21	X	X	X		
052521-D-YP-1	Fish				-22	X	X	X		
052521-D-YP-2	Fish				-23	X	X	X		
052521-D-YP-3	Fish				-24	X	X	X		
052521-D-WP-1	Fish				-25	X	X	X		
052521-D-WP-2	Fish				-26	X	X	X		
052521-D-WP-3	Fish				-27	X	X	X		
052521-D-WP-4	Fish				-28	X	X	X		
Relinquished by (Signature)		Date	Time	Received by (Signature)		Courier		Waybill No.		
<i>Paul M. DeJoy</i>		05-26-21	14:30							
Relinquished by (Signature)		Date	Time	Received by (Signature)		Sample Receipt				
Remarks						Cooler				
						Temp °C				
						Custody Seal #				
						Seal Intact Y / N				
						Sample Tags Y / N				



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AXYS CLIENT #: 4853

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Company	Midwest Biodiversity Institute (MBI)		Company	Eastern Research Group, Inc.		PFAS (MLA-110)	PCBs (MLA-007)	OC Pesticides (MLA-007)		
Address	4673 Northwest Parkway Hilliard, OH 43026		Address	110 Hartwell Ave. Lexington, MA 02421						
Contact			Contact	Naida Gavrelis						
Phone			Phone	781-674-7318						
FAX			FAX	781-674-2851						
E-mail			E-mail	naida.gavrelis@erg.com						
Project Name/Number: ERG 0394.00.013.004			Sampler's Name:							
Signature:										
Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	AXYS Lab Sample ID (Lab use only)					
052521-D-B-1	Fish	05-25-21	07:50	LDPE Bag	L34988-29	x	x	x		
052521-D-B-2					-30	X	X	X		
052521-D-B-3					-31	X	X	X		
052521-D-P-1					-32	X	X	X		
052521-D-P-2					-33	X	X	X		
052521-D-P-3					-34	X	X	X		
052521-D-CP-1					-35	X	X	X		
052521-D-Blank	Feil				L34993-5	X	X	X		
Relinquished by (Signature) <i>Paul M. D. [Signature]</i> Date 05-26-21 Time 14:30						Received by (Signature)		Courier		Waybill No.
Relinquished by (Signature)						Received by (Signature)		Sample Receipt		
Remarks						Date		Time		
						Temp °C		Cooler		
						Custody Seal #				
						Seal Intact Y / N				
						Sample Tags Y / N				



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AXYS CLIENT #: 4863

REPORT TO:				INVOICE TO:				ANALYSIS REQUESTED				
Company Midwest Biodiversity Institute (MBI)				Company Eastern Research Group, Inc.				PFAS (MLA-110)	PCBs (MLA-007)	OC Pesticides (MLA-007)		
Address 4673 Northwest Parkway				Address 110 Hartwell Ave.								
Hilliard, OH 43026				Lexington, MA 02421								
Contact				Contact Naida Gavrelis								
Phone				Phone 781-674-7318								
FAX				FAX 781-674-2851								
E-mail				E-mail naida.gavrelis@erg.com								
Project Name/Number: ERG 0394.00.013.004				Sampler's Name:								
				Signature:								
Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	AXYS Lab Sample ID (Lab use only)							
052521-E-LMB-1	Fish	05-25-21	13:20	LDPE Bag	L 34988-36	x	x	x				
052521-E-CP-1					-37	x	x	x				
052521-E-CP-2					-38	x	x	x				
052521-E-CP-3					-39	x	x	x				
052521-E-YP-1					-40	x	x	x				
052521-E-YP-2					-41	x	x	x				
052521-E-YP-3					-42	x	x	x				
052521-E-WS-1					-43	x	x	x				
052521-E-WS-2					-44	x	x	x				
052521-E-SMB-1					-45	x	x	x				
Relinquished by (Signature) <i>Paul M. Porey</i>				Received by (Signature)				Courier		Waybill No.		
Date 05-26-21 Time 14:30				Date Time								
Relinquished by (Signature)				Received by (Signature)				Sample Receipt				
Date Time				Date Time								
Remarks						Cooler						
						Temp °C						
						Custody Seal #						
						Seal Intact Y / N						
						Sample Tags Y / N						



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Hilliard, OH 43026			Lexington, MA 02421							
Contact			Contact Naida Gavrelis							
Phone			Phone 781-674-7318							
FAX			FAX 781-674-2851							
E-mail			E-mail naida.gavrelis@erg.com							
Project Name/Number: ERG 0394.00.013.004			Sampler's Name:							
Signature:										
Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	AXYS Lab Sample ID (Lab use only)					
052521-E-SMB-2	Fish	05-25-21	13:20	LDPE Bag	L34988-46	x	x	x		
052521-E-SMB-3					-47	x	x	x		
052521-E-P-1					-48	x	x	x		
052521-E-P-2					-49	x	x	x		
052521-E-P-3					-50	x	x	x		
052521-E-WP-1					-51	x	x	x		
052521-E-Blank	Foil				L34993-6	x	x	x		
Relinquished by (Signature): Paul M. DePaol			Date 05-26-21			Time 14:30			Received by (Signature):	
Relinquished by (Signature):			Date			Time			Received by (Signature):	
Remarks			Date			Time			Sample Receipt	
									Cooler	
						Temp °C				
						Custody Seal #				
						Seal Intact Y / N				
						Sample Tags Y / N				



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REPORT TO:			INVOICE TO:			ANALYSIS REQUESTED				
Company	Midwest Biodiversity Institute (MBI)		Company	Eastern Research Group, Inc.		PFAS (MLA-110)	PCBs (MLA-007)	OC Pesticides (MLA-007)		
Address	4673 Northwest Parkway Hilliard, OH 43026		Address	110 Hartwell Ave. Lexington, MA 02421						
Contact			Contact	Naida Gavrelis						
Phone			Phone	781-674-7318						
FAX			FAX	781-674-2851						
E-mail			E-mail	naida.gavrelis@erg.com						
Project Name/Number: ERG 0394.00.013.004			Sampler's Name:							
Signature:										
Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	AXYS Lab Sample ID (Lab use only)					
052421-Lake A	Fish	05/24/21	08:00	LDPE Bag		x	x	x		
Relinquished by (Signature)	Date	Time	Received by (Signature)			Courier	Waybill No.			
<i>Paul M. Perry</i>	05/26/2021	14:30	<i>[Signature]</i>							
Relinquished by (Signature)	Date	Time	Received by (Signature)			Sample Receipt				
Remarks						Cooler				
						Temp °C				
						Custody Seal #				
						Seal Intact Y / N				
						Sample Tags Y / N				



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FAX			FAX	781-674-2851						
E-mail			E-mail	naida.gavrelis@erg.com						
Project Name/Number: ERG 0394.00.013.004			Sampler's Name:							
			Signature:							
Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	AXYS Lab Sample ID (Lab use only)					
052421-Lake B	Fish	05/24/21	12:00	LDPE Bag		x	x	x		
Relinquished by (Signature)		Date	Time	Received by (Signature)		Courier		Waybill No.		
Paul M. DeFoe		05/26/2021	14:30	Date 28-May-2021 Time 8:55						
Relinquished by (Signature)		Date	Time	Received by (Signature)		Sample Receipt				
Remarks						Cooler				
						Temp °C				
						Custody Seal #				
						Seal Intact Y / N				
						Sample Tags Y / N				



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Project Name/Number: ERG 0394.00.013.004			Sampler's Name:							
Signature:										
Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	AXYS Lab Sample ID (Lab use only)					
052421-Lake C	Fish	05/24/21	16:15	LDPE Bag		x	x	x		
052621-Lake C	Fish	05/26/21	07:00	LDPE Bag		x	x	x		
Relinquished by (Signature)		Date	Time	Received by (Signature)		Courier		Waybill No.		
Paul M. DePinto		05/26/21	14:30	Date 31 May 2021 Time 8:25						
Relinquished by (Signature)		Date	Time	Received by (Signature)		Sample Receipt				
Remarks						Cooler				
						Temp °C				
						Custody Seal #				
						Seal Intact Y / N				
						Sample Tags Y / N				



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Project Name/Number: ERG 0394.00.013.004			Sampler's Name:							
Signature:										
Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	AXYS Lab Sample ID (Lab use only)					
052521 - Lake D	Fish	05/25/21	07:50	LDPE Bag		x	x	x		
Relinquished by (Signature)	Date	Time	Received by (Signature)			Courier		Waybill No.		
Paul M. Davis	05/26/2021	14:30	Date 27-May-2021 Time 14:20							
Relinquished by (Signature)	Date	Time	Received by (Signature)			Sample Receipt				
			Date			Cooler				
Remarks						Temp °C				
						Custody Seal #				
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Hilliard, OH 43026			Lexington, MA 02421															
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Phone			Phone 781-674-7318															
FAX			FAX 781-674-2851															
E-mail			E-mail naida.gavrelis@erg.com															
Project Name/Number: ERG 0394.00.013.004			Sampler's Name:															
			Signature:															
Client Sample Identification	Matrix	Sampling Date	Sampling Time	Container Type/No.	AXYS Lab Sample ID (Lab use only)													
052521 - Lake E	Fish	05/25/21	13:20	LDPE Bag		x	x	x										
Relinquished by (Signature)	Date	Time	Received by (Signature)			Courier		Waybill No.										
<i>Paul M. Kelly</i>	05/26/2021	14:30	<i>[Signature]</i>															
Relinquished by (Signature)	Date	Time	Received by (Signature)			Sample Receipt												
			Date 27-May-2021 Time 14:20															
Remarks						<table border="1"> <tr> <td>Temp °C</td> <td>Cooler</td> </tr> <tr> <td>Custody Seal #</td> <td></td> </tr> <tr> <td>Seal Intact Y / N</td> <td></td> </tr> <tr> <td>Sample Tags Y / N</td> <td></td> </tr> </table>					Temp °C	Cooler	Custody Seal #		Seal Intact Y / N		Sample Tags Y / N	
Temp °C	Cooler																	
Custody Seal #																		
Seal Intact Y / N																		
Sample Tags Y / N																		

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-A-B-1

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-1

Matrix: TISSUE

Sample Size: 2.02 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021 Time: 22:49:37

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 44

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.396 (Q)		
PFPeA	U		0.198 (Q)		
PFHxA	U		0.0990 (Q)		
PFHpA	U		0.0990 (Q)		
PFOA	U		0.0990 (Q)		
PFNA	U		0.0990 (Q)		
PFDA	J	0.287	0.0990 (Q)	3.47	1.001
PFUnA	B	0.410	0.0990 (Q)	5.66	1.000
PFDoA	J	0.244	0.0990 (Q)	6.24	1.000
PFTTrDA	B J	0.225	0.0990 (Q)	2.43	0.963
PFTeDA	J	0.164	0.0990 (Q)	2.19	1.000
PFBS	U		0.0990 (Q)		
PFPeS	U		0.0995 (Q)		
PFHxS	U		0.0990 (Q)		
PFHpS	U		0.0990 (Q)		
PFOS		2.09	0.0990 (Q)	2.66	
PFNS	U		0.0990 (Q)		
PFDS	U		0.0990 (Q)		
PFDoS	U		0.0990 (Q)		
4:2 FTS	U		0.396 (Q)		
6:2 FTS	U		0.357 (Q)		
8:2 FTS	U		0.396 (Q)		
PFOSA	U		0.0990 (Q)		
N-MeFOSA	U		0.114 (Q)		
N-EtFOSA	U		0.248 (Q)		
MeFOSAA	U		0.0990 (Q)		
EtFOSAA	U		0.0990 (Q)		
N-MeFOSE	U		0.990 (Q)		
N-EtFOSE	U		0.741 (Q)		
HFPO-DA	U		0.376 (Q)		
ADONA	U		0.396 (Q)		
9CI-PF3ONS	U		0.397 (Q)		
11CI-PF3OUdS	U		0.397 (Q)		
3:3 FTCA	U		0.396 (Q)		
5:3 FTCA	U		2.48 (Q)		
7:3 FTCA	U		2.48 (Q)		
PFEESA	U		0.0990 (Q)		
PFMPA	U		0.198 (Q)		
PFMBA	U		0.0990 (Q)		
NFDHA	U		0.198 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in sample and the associated 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: _____Bryan Alonzo_____

For Axy's Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25; Report Filename: PFC_FC_LC_PFA_S_L34988-1_Form1A_FC1L_287S44_SJ2927009.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-A-B-1

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-1

Matrix: TISSUE

Sample Size: 2.02 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021 Time: 22:49:37

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 44

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA	V	40.0	36.7	91.8	23.3	0.995
13C5-PFPeA		20.0	17.5	87.4		0.866
13C5-PFHxA		10.0	7.75	77.5		1.000
13C4-PFHpA		10.0	9.64	96.4		0.898
13C8-PFOA		10.0	9.48	94.8		1.000
13C9-PFNA		5.00	4.68	93.5	2.50	1.000
13C6-PFDA		5.00	4.67	93.5		0.999
13C7-PFUnA		5.00	3.93	78.6		1.044
13C2-PFDoA		5.00	2.60	51.9		1.075
13C2-PFTeDA		5.00	1.21	24.2		1.153
13C3-PFBS		10.0	8.16	81.4	2.36	0.811
13C3-PFHxS		10.0	9.42	94.1	2.17	1.000
13C8-PFOS		10.1	10.2	102	1.82	1.000
13C2-4:2 FTS		20.2	25.4	126	2.10	0.849
13C2-6:2 FTS		20.0	19.6	98.3	3.09	1.001
13C2-8:2 FTS		20.0	16.9	84.2	2.88	1.261
13C8-PFOSA		10.0	9.41	94.1		1.147
D3-N-MeFOSA		10.0	2.05	20.5		1.337
D5-N-EtFOSA		10.0	1.97	19.7		1.372
D3-MeFOSAA		20.0	16.7	83.3		1.303
D5-EtFOSAA		20.0	22.5	112		1.326
d7-NMe-FOSE		100	45.3	45.3		1.319
d9-NEt-FOSE		100	23.4	23.4		1.357
13C3-HFPO-DA		40.0	31.6	78.9		1.028

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-A-B-2

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-2

Matrix: TISSUE

Sample Size: 2.03 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021 Time: 23:02:43

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 45

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.394 (Q)		
PFPeA	U		0.197 (Q)		
PFHxA	U		0.0985 (Q)		
PFHpA	U		0.0985 (Q)		
PFOA	U		0.0985 (Q)		
PFNA	U		0.0985 (Q)		
PFDA	J	0.312	0.0985 (Q)	2.80	1.000
PFUnA	B	0.520	0.0985 (Q)	3.91	1.000
PFDoA	J	0.264	0.0985 (Q)	9.23	1.000
PFTTrDA	B J	0.326	0.0985 (Q)	3.14	0.963
PFTeDA	J	0.170	0.0985 (Q)	2.57	1.000
PFBS	U		0.0985 (Q)		
PFPeS	U		0.0990 (Q)		
PFHxS	U		0.0985 (Q)		
PFHpS	U		0.0985 (Q)		
PFOS		3.72	0.0985 (Q)	2.59	
PFNS	U		0.0985 (Q)		
PFDS	U		0.0985 (Q)		
PFDoS	U		0.0985 (Q)		
4:2 FTS	U		0.394 (Q)		
6:2 FTS	U		0.355 (Q)		
8:2 FTS	U		0.394 (Q)		
PFOSA	U		0.0985 (Q)		
N-MeFOSA	U		0.113 (Q)		
N-EtFOSA	U		0.246 (Q)		
MeFOSAA	U		0.0985 (Q)		
EtFOSAA	U		0.0985 (Q)		
N-MeFOSE	U		0.985 (Q)		
N-EtFOSE	U		0.737 (Q)		
HFPO-DA	U		0.374 (Q)		
ADONA	U		0.394 (Q)		
9CI-PF3ONS	U		0.395 (Q)		
11CI-PF3OUdS	U		0.395 (Q)		
3:3 FTCA	U		0.394 (Q)		
5:3 FTCA	U		2.46 (Q)		
7:3 FTCA	U		2.46 (Q)		
PFEESA	U		0.0985 (Q)		
PFMPA	U		0.197 (Q)		
PFMBA	U		0.0985 (Q)		
NFDHA	U		0.197 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in sample and the associated 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: _____ Bryan Alonzo _____

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SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-A-B-2

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-2

Matrix: TISSUE

Sample Size: 2.03 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021 Time: 23:02:43

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 45

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	38.4	96.1		1.000
13C5-PFPeA		20.0	25.4	127		0.867
13C5-PFHxA		10.0	12.2	122	25.2	1.000
13C4-PFHpA		10.0	8.58	85.8		0.899
13C8-PFOA		10.0	10.0	100		0.999
13C9-PFNA		5.00	4.83	96.6		0.999
13C6-PFDA		5.00	4.87	97.3		1.000
13C7-PFUnA		5.00	4.84	96.8		1.044
13C2-PFDoA		5.00	4.17	83.4		1.075
13C2-PFTeDA		5.00	2.69	53.9		1.153
13C3-PFBS		10.0	7.92	78.9	2.18	0.811
13C3-PFHxS		10.0	10.1	101	2.34	0.999
13C8-PFOS		10.1	10.7	106	2.08	1.000
13C2-4:2 FTS		20.2	18.9	93.8	1.74	0.850
13C2-6:2 FTS		20.0	21.7	109	2.06	1.001
13C2-8:2 FTS		20.0	15.9	79.5	3.26	1.261
13C8-PFOSA		10.0	13.7	137		1.146
D3-N-MeFOSA		10.0	2.53	25.3		1.335
D5-N-EtFOSA		10.0	3.67	36.7		1.371
D3-MeFOSAA		20.0	14.8	73.8		1.303
D5-EtFOSAA		20.0	20.4	102		1.327
d7-NMe-FOSE		100	37.3	37.3		1.318
d9-NEt-FOSE		100	12.8	12.8		1.357
13C3-HFPO-DA		40.0	26.5	66.2	2.41	1.027

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-A-B-3

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-3

Matrix: TISSUE

Sample Size: 2.01 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021 Time: 23:15:49

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 46

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.398 (Q)		
PFPeA	U		0.199 (Q)		
PFHxA	U		0.0995 (Q)		
PFHpA	U		0.0995 (Q)		
PFOA	U		0.0995 (Q)		
PFNA	U		0.0995 (Q)		
PFDA	J	0.219	0.0995 (Q)	3.44	1.000
PFUnA	B	0.437	0.0995 (Q)	4.13	1.000
PFDaA	J	0.349	0.0995 (Q)	7.76	0.999
PFTTrDA	B	0.497	0.0995 (Q)	2.91	0.963
PFTeDA	J	0.344	0.0995 (Q)	3.10	1.000
PFBS	U		0.0995 (Q)		
PFPeS	U		0.100 (Q)		
PFHxS	U		0.0995 (Q)		
PFHpS	U		0.0995 (Q)		
PFOS		2.38	0.0995 (Q)	2.71	
PFNS	U		0.0995 (Q)		
PFDS	U		0.0995 (Q)		
PFDoS	U		0.0995 (Q)		
4:2 FTS	U		0.398 (Q)		
6:2 FTS	U		0.359 (Q)		
8:2 FTS	U		0.398 (Q)		
PFOSA	U		0.0995 (Q)		
N-MeFOSA	U		0.114 (Q)		
N-EtFOSA	U		0.249 (Q)		
MeFOSAA	U		0.0995 (Q)		
EtFOSAA	U		0.0995 (Q)		
N-MeFOSE	U		0.995 (Q)		
N-EtFOSE	U		0.744 (Q)		
HFPO-DA	U		0.378 (Q)		
ADONA	U		0.398 (Q)		
9CI-PF3ONS	U		0.399 (Q)		
11CI-PF3OUdS	U		0.399 (Q)		
3:3 FTCA	U		0.398 (Q)		
5:3 FTCA	U		2.49 (Q)		
7:3 FTCA	U		2.49 (Q)		
PFEESA	U		0.0995 (Q)		
PFMPA	U		0.199 (Q)		
PFMBA	U		0.0995 (Q)		
NFDHA	U		0.199 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in sample and the associated 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: _____Bryan Alonzo_____

For Axy's Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25; Report Filename: PFC_FC_LC_PFAS_L34988-3_Form1A_FC1L_287S46_SJ2927011.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-A-B-3

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-3

Matrix: TISSUE

Sample Size: 2.01 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021 Time: 23:15:49

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 46

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	38.4	95.9		1.000
13C5-PFPeA		20.0	19.6	98.1		0.867
13C5-PFHxA		10.0	7.82	78.2	20.8	1.000
13C4-PFHpA		10.0	7.51	75.1		0.900
13C8-PFOA		10.0	8.07	80.7		1.000
13C9-PFNA		5.00	5.33	107		1.000
13C6-PFDA		5.00	4.70	94.1		1.000
13C7-PFUnA		5.00	4.68	93.7		1.044
13C2-PFDoA		5.00	4.16	83.2		1.076
13C2-PFTeDA		5.00	2.78	55.7		1.153
13C3-PFBS		10.0	9.14	91.2	2.57	0.811
13C3-PFHxS		10.0	10.3	103	2.56	1.000
13C8-PFOS		10.1	10.7	106	2.14	1.000
13C2-4:2 FTS		20.2	24.9	124	1.82	0.850
13C2-6:2 FTS		20.0	21.7	109	2.02	1.002
13C2-8:2 FTS		20.0	17.7	88.6	3.22	1.261
13C8-PFOSA		10.0	12.9	129		1.146
D3-N-MeFOSA		10.0	2.86	28.6		1.335
D5-N-EtFOSA		10.0	4.15	41.5		1.371
D3-MeFOSAA		20.0	19.1	95.4		1.303
D5-EtFOSAA		20.0	24.6	123		1.327
d7-NMe-FOSE		100	62.7	62.7		1.318
d9-NEt-FOSE		100	23.7	23.7		1.357
13C3-HFPO-DA		40.0	27.5	68.7	2.47	1.028

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-A-B-4

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-4

Matrix: TISSUE

Sample Size: 2.14 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021 Time: 23:28:47

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 47

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.374 (Q)		
PFPeA	U		0.187 (Q)		
PFHxA	U		0.0935 (Q)		
PFHpA	U		0.0935 (Q)		
PFOA	U		0.0935 (Q)		
PFNA	U		0.0935 (Q)		
PFDA	J	0.217	0.0935 (Q)	3.33	1.000
PFUnA	B	0.421	0.0935 (Q)	6.08	1.000
PFDoA	K J	0.228	0.0935 (Q)	12.1	0.999
PFTTrDA	B J	0.332	0.0935 (Q)	3.09	0.963
PFTeDA	J	0.166	0.0935 (Q)	2.72	1.000
PFBS	U		0.0935 (Q)		
PFPeS	U		0.0939 (Q)		
PFHxS	U		0.0935 (Q)		
PFHpS	U		0.0935 (Q)		
PFOS		2.75	0.0935 (Q)	2.66	
PFNS	U		0.0935 (Q)		
PFDS	U		0.0935 (Q)		
PFDoS	U		0.0935 (Q)		
4:2 FTS	U		0.374 (Q)		
6:2 FTS	U		0.337 (Q)		
8:2 FTS	U		0.374 (Q)		
PFOSA	U		0.0935 (Q)		
N-MeFOSA	U		0.107 (Q)		
N-EtFOSA	U		0.234 (Q)		
MeFOSAA	U		0.0935 (Q)		
EtFOSAA	U		0.0935 (Q)		
N-MeFOSE	U		0.935 (Q)		
N-EtFOSE	U H		0.699 (Q)		
HFPO-DA	U		0.355 (Q)		
ADONA	U		0.374 (Q)		
9CI-PF3ONS	U		0.375 (Q)		
11CI-PF3OUdS	U		0.374 (Q)		
3:3 FTCA	U		0.374 (Q)		
5:3 FTCA	U		2.34 (Q)		
7:3 FTCA	U		2.34 (Q)		
PFEESA	U		0.0935 (Q)		
PFMPA	U		0.187 (Q)		
PFMBA	U		0.0935 (Q)		
NFDHA	U		0.187 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; K = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; B = analyte found in sample and the associated blank; J = concentration less than limit of quantification; H = concentration is estimated.

(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: _____ Bryan Alonzo _____

For Axy Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFA L34988-4_Form1A_FC1L_287S47_SJ2927012.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-A-B-4

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-4

Matrix: TISSUE

Sample Size: 2.14 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021 Time: 23:28:47

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 47

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	37.9	94.7		1.000
13C5-PFPeA		20.0	22.0	110		0.868
13C5-PFHxA		10.0	9.71	97.1	21.4	1.000
13C4-PFHpA		10.0	8.66	86.6		0.899
13C8-PFOA		10.0	8.75	87.5		0.999
13C9-PFNA		5.00	5.00	100		1.000
13C6-PFDA		5.00	5.31	106		1.000
13C7-PFUnA		5.00	5.26	105		1.044
13C2-PFDoA		5.00	4.83	96.6		1.076
13C2-PFTeDA		5.00	4.01	80.2		1.153
13C3-PFBS		10.0	9.43	94.0	2.73	0.811
13C3-PFHxS		10.0	9.69	96.8	2.32	1.000
13C8-PFOS		10.1	10.5	104	2.20	1.000
13C2-4:2 FTS		20.2	20.6	102	1.79	0.849
13C2-6:2 FTS		20.0	22.1	110	2.23	1.001
13C2-8:2 FTS		20.0	15.3	76.1	3.34	1.259
13C8-PFOSA		10.0	14.6	146		1.147
D3-N-MeFOSA		10.0	3.32	33.2		1.335
D5-N-EtFOSA		10.0	3.93	39.3		1.371
D3-MeFOSAA		20.0	16.1	80.3		1.301
D5-EtFOSAA		20.0	20.7	103		1.325
d7-NMe-FOSE		100	31.1	31.1		1.318
d9-NEt-FOSE		100	9.63	9.63		1.356
13C3-HFPO-DA		40.0	27.3	68.1	1.99	1.028

(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: _____ Bryan Alonzo _____

For Axys Internal Use Only [XSL Template: FC2-Form2.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFA_S_L34988-4_Form2_FC1L_287S47_SJ2927012.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-A-B-5

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-5

Matrix: TISSUE

Sample Size: 2.01 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021 Time: 23:41:51

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 48

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.398 (Q)		
PFPeA	U		0.199 (Q)		
PFHxA	U		0.0995 (Q)		
PFHpA	U		0.0995 (Q)		
PFOA	U		0.0995 (Q)		
PFNA	U		0.0995 (Q)		
PFDA	J	0.206	0.0995 (Q)	2.84	1.000
PFUnA	B	0.403	0.0995 (Q)	4.35	1.000
PFDoA	K J	0.249	0.0995 (Q)	12.2	0.999
PFTTrDA	B J	0.308	0.0995 (Q)	2.83	0.962
PFTeDA	J	0.158	0.0995 (Q)	2.64	1.000
PFBS	U		0.0995 (Q)		
PFPeS	U		0.100 (Q)		
PFHxS	U		0.0995 (Q)		
PFHpS	U		0.0995 (Q)		
PFOS		2.49	0.0995 (Q)	2.45	
PFNS	U		0.0995 (Q)		
PFDS	U		0.0995 (Q)		
PFDoS	U		0.0995 (Q)		
4:2 FTS	U		0.398 (Q)		
6:2 FTS	U		0.359 (Q)		
8:2 FTS	U		0.398 (Q)		
PFOSA	U		0.0995 (Q)		
N-MeFOSA	U		0.114 (Q)		
N-EtFOSA	U		0.249 (Q)		
MeFOSAA	U		0.0995 (Q)		
EtFOSAA	U		0.0995 (Q)		
N-MeFOSE	U		0.995 (Q)		
N-EtFOSE	U		0.744 (Q)		
HFPO-DA	U		0.378 (Q)		
ADONA	U		0.398 (Q)		
9CI-PF3ONS	U		0.399 (Q)		
11CI-PF3OUdS	U		0.399 (Q)		
3:3 FTCA	U		0.398 (Q)		
5:3 FTCA	U		2.49 (Q)		
7:3 FTCA	U		2.49 (Q)		
PFEESA	U		0.0995 (Q)		
PFMPA	U		0.199 (Q)		
PFMBA	U		0.0995 (Q)		
NFDHA	U		0.199 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; K = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; B = analyte found in sample and the associated 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: _____ Bryan Alonzo _____

For Axys Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFAAS_L34988-5_Form1A_FC1L_287S48_SJ2927013.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-A-B-5

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-5

Matrix: TISSUE

Sample Size: 2.01 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021 Time: 23:41:51

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 48

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	38.4	95.9		1.000
13C5-PFPeA		20.0	19.6	98.0		0.867
13C5-PFHxA		10.0	8.69	86.9	26.8	0.999
13C4-PFHpA		10.0	10.3	103		0.899
13C8-PFOA		10.0	8.55	85.5		0.999
13C9-PFNA		5.00	4.56	91.2		0.999
13C6-PFDA		5.00	4.93	98.7		1.000
13C7-PFUnA		5.00	4.92	98.4		1.044
13C2-PFDoA		5.00	4.35	87.0		1.076
13C2-PFTeDA		5.00	3.44	68.7		1.153
13C3-PFBS		10.0	9.84	98.1	3.08	0.811
13C3-PFHxS		10.0	10.6	106	2.51	0.999
13C8-PFOS		10.1	10.3	102	2.07	1.000
13C2-4:2 FTS		20.2	23.6	117	1.59	0.850
13C2-6:2 FTS		20.0	21.8	109	2.06	1.002
13C2-8:2 FTS		20.0	18.2	90.7	3.45	1.261
13C8-PFOSA		10.0	13.5	135		1.146
D3-N-MeFOSA		10.0	3.03	30.3		1.335
D5-N-EtFOSA		10.0	4.25	42.5		1.371
D3-MeFOSAA		20.0	18.7	93.5		1.303
D5-EtFOSAA		20.0	26.3	132		1.327
d7-NMe-FOSE		100	65.1	65.1		1.318
d9-NEt-FOSE		100	16.6	16.6		1.357
13C3-HFPO-DA		40.0	42.7	107	4.58	1.028

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-A-B-6

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-6

Matrix: TISSUE

Sample Size: 2.01 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021 Time: 23:54:57

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 49

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.398 (Q)		
PFPeA	U		0.199 (Q)		
PFHxA	U		0.0995 (Q)		
PFHpA	U		0.0995 (Q)		
PFOA	U		0.0995 (Q)		
PFNA	U		0.0995 (Q)		
PFDA	K J	0.130	0.0995 (Q)	4.92	1.000
PFUnA	B J	0.283	0.0995 (Q)	4.73	1.000
PFDaA	J	0.169	0.0995 (Q)	6.30	1.000
PFTTrDA	B J	0.198	0.0995 (Q)	2.52	0.963
PFTeDA	J	0.116	0.0995 (Q)	3.06	1.000
PFBS	U		0.0995 (Q)		
PFPeS	U		0.100 (Q)		
PFHxS	U		0.0995 (Q)		
PFHpS	U		0.0995 (Q)		
PFOS		1.68	0.0995 (Q)	2.64	
PFNS	U		0.0995 (Q)		
PFDS	U		0.0995 (Q)		
PFDoS	U		0.0995 (Q)		
4:2 FTS	U		0.398 (Q)		
6:2 FTS	U		0.359 (Q)		
8:2 FTS	U		0.398 (Q)		
PFOSA	U		0.0995 (Q)		
N-MeFOSA	U		0.114 (Q)		
N-EtFOSA	U		0.249 (Q)		
MeFOSAA	U		0.0995 (Q)		
EtFOSAA	U		0.0995 (Q)		
N-MeFOSE	U		0.995 (Q)		
N-EtFOSE	U		0.744 (Q)		
HFPO-DA	U		0.378 (Q)		
ADONA	U		0.398 (Q)		
9CI-PF3ONS	U		0.399 (Q)		
11CI-PF3OUdS	U		0.399 (Q)		
3:3 FTCA	U		0.398 (Q)		
5:3 FTCA	U		2.49 (Q)		
7:3 FTCA	U		2.49 (Q)		
PFEESA	U		0.0995 (Q)		
PFMPA	U		0.199 (Q)		
PFMBA	U		0.0995 (Q)		
NFDHA	U		0.199 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; K = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; B = analyte found in sample and the associated 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: _____ Bryan Alonzo _____

For Axs Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFAS_L34988-6_Form1A_FC1L_287S49_SJ2927014.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-A-B-6

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-6

Matrix: TISSUE

Sample Size: 2.01 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021 Time: 23:54:57

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 49

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	38.1	95.3		1.000
13C5-PFPeA		20.0	20.1	101		0.867
13C5-PFHxA		10.0	7.98	79.8	25.4	1.000
13C4-PFHpA		10.0	10.5	105		0.899
13C8-PFOA		10.0	10.5	105		0.999
13C9-PFNA		5.00	4.93	98.7		1.000
13C6-PFDA		5.00	4.94	98.7		1.000
13C7-PFUnA		5.00	4.54	90.8		1.044
13C2-PFDoA		5.00	4.07	81.4		1.075
13C2-PFTeDA		5.00	3.07	61.3		1.153
13C3-PFBS		10.0	8.60	85.8	3.35	0.811
13C3-PFHxS		10.0	9.25	92.3	2.36	0.999
13C8-PFOS		10.1	10.9	109	2.24	0.999
13C2-4:2 FTS		20.2	22.3	111	1.73	0.850
13C2-6:2 FTS		20.0	21.6	108	2.03	1.001
13C2-8:2 FTS		20.0	16.9	84.4	3.21	1.261
13C8-PFOSA		10.0	13.4	134		1.146
D3-N-MeFOSA		10.0	2.76	27.6		1.335
D5-N-EtFOSA		10.0	3.79	37.9		1.371
D3-MeFOSAA		20.0	17.4	86.8		1.303
D5-EtFOSAA		20.0	24.6	123		1.327
d7-NMe-FOSE		100	79.8	79.8		1.318
d9-NEt-FOSE		100	35.4	35.4		1.357
13C3-HFPO-DA		40.0	40.3	101	4.29	1.028

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-A-B-7

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-7

Matrix: TISSUE

Sample Size: 2.08 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 00:08:02

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 50

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.385 (Q)		
PFPeA	U		0.192 (Q)		
PFHxA	U		0.0962 (Q)		
PFHpA	U		0.0962 (Q)		
PFOA	U		0.0962 (Q)		
PFNA	U		0.0962 (Q)		
PFDA	J	0.247	0.0962 (Q)	2.87	1.000
PFUnA	B	0.518	0.0962 (Q)	4.33	1.000
PFDoA		0.469	0.0962 (Q)	7.59	1.000
PFTTrDA	B	0.627	0.0962 (Q)	3.12	0.963
PFTeDA		0.400	0.0962 (Q)	2.21	1.000
PFBS	U		0.0962 (Q)		
PFPeS	U		0.0966 (Q)		
PFHxS	U		0.0962 (Q)		
PFHpS	U		0.0962 (Q)		
PFOS		2.95	0.0962 (Q)	2.57	
PFNS	U		0.0962 (Q)		
PFDS	U		0.0962 (Q)		
PFDoS	U		0.0962 (Q)		
4:2 FTS	U		0.385 (Q)		
6:2 FTS	U		0.347 (Q)		
8:2 FTS	U		0.385 (Q)		
PFOSA	U		0.0962 (Q)		
N-MeFOSA	U		0.111 (Q)		
N-EtFOSA	U		0.240 (Q)		
MeFOSAA	U		0.0962 (Q)		
EtFOSAA	U		0.0962 (Q)		
N-MeFOSE	U		0.962 (Q)		
N-EtFOSE	U		0.719 (Q)		
HFPO-DA	U		0.365 (Q)		
ADONA	U		0.385 (Q)		
9CI-PF3ONS	U		0.386 (Q)		
11CI-PF3OUdS	U		0.385 (Q)		
3:3 FTCA	U		0.385 (Q)		
5:3 FTCA	U		2.40 (Q)		
7:3 FTCA	U		2.40 (Q)		
PFEESA	U		0.0962 (Q)		
PFMPA	U		0.192 (Q)		
PFMBA	U		0.0962 (Q)		
NFDHA	U		0.192 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in sample and the associated 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: _____ Bryan Alonzo _____

For Axy's Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25; Report Filename: PFC_FC_LC_PFA_S_L34988-7_Form1A_FC1L_287S50_SJ2927015.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-A-B-7

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-7

Matrix: TISSUE

Sample Size: 2.08 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 00:08:02

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 50

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	38.2	95.5		1.000
13C5-PFPeA		20.0	22.6	113		0.868
13C5-PFHxA		10.0	10.2	102	23.9	1.000
13C4-PFHpA		10.0	8.21	82.1		0.899
13C8-PFOA		10.0	8.66	86.6		1.000
13C9-PFNA		5.00	4.62	92.5		1.000
13C6-PFDA		5.00	4.74	94.9		1.000
13C7-PFUnA		5.00	4.88	97.6		1.044
13C2-PFDoA		5.00	4.44	88.7		1.075
13C2-PFTeDA		5.00	3.72	74.5		1.153
13C3-PFBS		10.0	8.10	80.7	2.78	0.811
13C3-PFHxS		10.0	8.85	88.4	2.31	1.000
13C8-PFOS		10.1	10.7	107	2.12	0.999
13C2-4:2 FTS		20.2	18.4	91.3	1.91	0.849
13C2-6:2 FTS		20.0	22.9	114	2.43	1.001
13C2-8:2 FTS		20.0	16.9	84.1	3.34	1.259
13C8-PFOSA		10.0	14.5	145		1.147
D3-N-MeFOSA		10.0	3.28	32.8		1.335
D5-N-EtFOSA		10.0	4.87	48.7		1.371
D3-MeFOSAA		20.0	16.5	82.5		1.301
D5-EtFOSAA		20.0	23.2	116		1.325
d7-NMe-FOSE		100	63.3	63.3		1.318
d9-NEt-FOSE		100	10.4	10.4		1.356
13C3-HFPO-DA		40.0	38.4	95.9	2.86	1.028

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-A-B-8

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-8

Matrix: TISSUE

Sample Size: 2.05 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 00:21:07

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 51

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.390 (Q)		
PFPeA	U		0.195 (Q)		
PFHxA	U		0.0976 (Q)		
PFHpA	U		0.0976 (Q)		
PFOA	U		0.0976 (Q)		
PFNA	U		0.0976 (Q)		
PFDA	J	0.198	0.0976 (Q)	3.11	1.001
PFUnA	B	0.416	0.0976 (Q)	4.97	1.000
PFDaA	J	0.291	0.0976 (Q)	7.99	1.000
PFTTrDA	B J	0.383	0.0976 (Q)	3.10	0.962
PFTeDA	J	0.185	0.0976 (Q)	2.54	1.000
PFBS	U		0.0976 (Q)		
PFPeS	U		0.0980 (Q)		
PFHxS	U		0.0976 (Q)		
PFHpS	U		0.0976 (Q)		
PFOS		2.28	0.0976 (Q)	2.61	
PFNS	U		0.0976 (Q)		
PFDS	U		0.0976 (Q)		
PFDoS	U		0.0976 (Q)		
4:2 FTS	U		0.390 (Q)		
6:2 FTS	U		0.352 (Q)		
8:2 FTS	U		0.390 (Q)		
PFOSA	U		0.0976 (Q)		
N-MeFOSA	U		0.112 (Q)		
N-EtFOSA	U		0.244 (Q)		
MeFOSAA	U		0.0976 (Q)		
EtFOSAA	U		0.0976 (Q)		
N-MeFOSE	U		0.976 (Q)		
N-EtFOSE	U H		0.730 (Q)		
HFPO-DA	U		0.371 (Q)		
ADONA	U		0.390 (Q)		
9CI-PF3ONS	U		0.391 (Q)		
11CI-PF3OUdS	U		0.391 (Q)		
3:3 FTCA	U		0.390 (Q)		
5:3 FTCA	U		2.44 (Q)		
7:3 FTCA	U		2.44 (Q)		
PFEESA	U		0.0976 (Q)		
PFMPA	U		0.195 (Q)		
PFMBA	U		0.0976 (Q)		
NFDHA	U		0.195 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in sample and the associated blank; J = concentration less than limit of quantification; H = concentration is estimated.

(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: _____Bryan Alonzo_____

For Axy's Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFAS_L34988-8_Form1A_FC1L_287S51_SJ2927016.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-A-B-8

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-8

Matrix: TISSUE

Sample Size: 2.05 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 00:21:07

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 51

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	38.0	95.1		0.995
13C5-PFPeA		20.0	22.2	111		0.868
13C5-PFHxA		10.0	10.0	100	25.1	1.000
13C4-PFHpA		10.0	7.69	76.9		0.900
13C8-PFOA		10.0	8.87	88.7		1.000
13C9-PFNA		5.00	4.59	91.7		0.999
13C6-PFDA		5.00	4.86	97.2		0.999
13C7-PFUnA		5.00	4.96	99.3		1.044
13C2-PFDoA		5.00	4.51	90.1		1.075
13C2-PFTeDA		5.00	3.91	78.1		1.153
13C3-PFBS		10.0	8.92	88.9	2.72	0.812
13C3-PFHxS		10.0	8.88	88.7	2.29	1.000
13C8-PFOS		10.1	10.4	103	2.10	1.000
13C2-4:2 FTS		20.2	22.0	109	1.96	0.850
13C2-6:2 FTS		20.0	20.4	102	2.09	1.002
13C2-8:2 FTS		20.0	14.1	70.5	3.21	1.261
13C8-PFOSA		10.0	14.3	143		1.148
D3-N-MeFOSA		10.0	3.30	33.0		1.336
D5-N-EtFOSA		10.0	4.24	42.4		1.372
D3-MeFOSAA		20.0	14.5	72.4		1.303
D5-EtFOSAA		20.0	19.3	96.5		1.327
d7-NMe-FOSE		100	42.6	42.6		1.319
d9-NEt-FOSE		100	9.26	9.26		1.357
13C3-HFPO-DA		40.0	39.1	97.8	2.68	1.028

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-A-YP-1

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-9

Matrix: TISSUE

Sample Size: 2.08 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 00:34:13

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 52

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.385 (Q)		
PFPeA	U		0.192 (Q)		
PFHxA	U		0.0962 (Q)		
PFHpA	U		0.0962 (Q)		
PFOA	U		0.0962 (Q)		
PFNA	J	0.275	0.0962 (Q)	3.06	
PFDA		0.407	0.0962 (Q)	2.50	1.000
PFUnA	B	0.637	0.0962 (Q)	4.24	1.000
PFDoA	J	0.295	0.0962 (Q)	5.48	1.000
PFTTrDA	B	0.470	0.0962 (Q)	3.08	0.963
PFTeDA	J	0.196	0.0962 (Q)	2.42	1.000
PFBS	U		0.0962 (Q)		
PFPeS	U		0.0966 (Q)		
PFHxS	U		0.0962 (Q)		
PFHpS	U		0.0962 (Q)		
PFOS		3.44	0.0962 (Q)	2.59	
PFNS	U		0.0962 (Q)		
PFDS	U		0.0962 (Q)		
PFDoS	U		0.0962 (Q)		
4:2 FTS	U		0.385 (Q)		
6:2 FTS		1.72	0.347 (Q)	0.41	1.000
8:2 FTS	U		0.385 (Q)		
PFOSA	U		0.0962 (Q)		
N-MeFOSA	U		0.111 (Q)		
N-EtFOSA	U		0.240 (Q)		
MeFOSAA	U		0.0962 (Q)		
EtFOSAA	U		0.0962 (Q)		
N-MeFOSE	U		0.962 (Q)		
N-EtFOSE	U		0.719 (Q)		
HFPO-DA	U		0.365 (Q)		
ADONA	U		0.385 (Q)		
9CI-PF3ONS	U		0.386 (Q)		
11CI-PF3OUdS	U		0.385 (Q)		
3:3 FTCA	U		0.385 (Q)		
5:3 FTCA	U		2.40 (Q)		
7:3 FTCA	U		2.40 (Q)		
PFEESA	U		0.0962 (Q)		
PFMPA	U		0.192 (Q)		
PFMBA	U		0.0962 (Q)		
NFDHA	U		0.192 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in sample and the associated 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: _____Bryan Alonzo_____

For Axy's Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFA_S_L34988-9_Form1A_FC1L_287S52_SJ2927017.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-A-YP-1

Sample Collection:

24-May-2021 08:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-9

Matrix: TISSUE

Sample Size: 2.08 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 00:34:13

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 52

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	38.0	95.0		0.995
13C5-PFPeA		20.0	20.0	99.8		0.867
13C5-PFHxA		10.0	9.46	94.6	23.4	1.000
13C4-PFHpA		10.0	8.92	89.2		0.900
13C8-PFOA		10.0	8.10	81.0		1.000
13C9-PFNA		5.00	4.57	91.4		1.000
13C6-PFDA		5.00	4.83	96.7		1.000
13C7-PFUnA		5.00	4.75	94.9		1.044
13C2-PFDoA		5.00	4.29	85.7		1.075
13C2-PFTeDA		5.00	3.34	66.8		1.153
13C3-PFBS		10.0	9.09	90.6	3.04	0.812
13C3-PFHxS		10.0	9.08	90.7	2.26	1.001
13C8-PFOS		10.1	10.5	105	2.22	0.999
13C2-4:2 FTS		20.2	24.7	122	1.74	0.850
13C2-6:2 FTS		20.0	17.9	89.6	1.90	1.002
13C2-8:2 FTS		20.0	20.4	102	3.33	1.261
13C8-PFOSA		10.0	14.4	144		1.147
D3-N-MeFOSA		10.0	2.96	29.6		1.335
D5-N-EtFOSA		10.0	4.61	46.1		1.371
D3-MeFOSAA		20.0	17.0	84.9		1.303
D5-EtFOSAA		20.0	23.2	116		1.327
d7-NMe-FOSE		100	89.4	89.4		1.318
d9-NEt-FOSE		100	84.7	84.7		1.356
13C3-HFPO-DA		40.0	44.3	111	3.34	1.028

(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: _____ Bryan Alonzo _____

For Axys Internal Use Only [XSL Template: FC2-Form2.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFA5_L34988-9_Form2_FC1L_287S52_SJ2927017.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-B-B-1

Sample Collection:

24-May-2021 12:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-10

Matrix: TISSUE

Sample Size: 2.02 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 00:47:11

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 53

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.396 (Q)		
PFPeA	U		0.198 (Q)		
PFHxA	U		0.0990 (Q)		
PFHpA	U		0.0990 (Q)		
PFOA	U		0.0990 (Q)		
PFNA	U		0.0990 (Q)		
PFDA	J	0.203	0.0990 (Q)	3.15	1.001
PFUnA	B	0.558	0.0990 (Q)	4.58	1.000
PFDoA		0.414	0.0990 (Q)	7.04	1.000
PFTTrDA	B	0.891	0.0990 (Q)	2.87	0.963
PFTeDA	J	0.375	0.0990 (Q)	2.49	1.000
PFBS	U		0.0990 (Q)		
PFPeS	U		0.0995 (Q)		
PFHxS	U		0.0990 (Q)		
PFHpS	U		0.0990 (Q)		
PFOS		0.977	0.0990 (Q)	2.46	
PFNS	U		0.0990 (Q)		
PFDS	U		0.0990 (Q)		
PFDoS	U		0.0990 (Q)		
4:2 FTS	U		0.396 (Q)		
6:2 FTS	U		0.357 (Q)		
8:2 FTS	U		0.396 (Q)		
PFOSA	U		0.0990 (Q)		
N-MeFOSA	U		0.114 (Q)		
N-EtFOSA	U		0.248 (Q)		
MeFOSAA	U		0.0990 (Q)		
EtFOSAA	U		0.0990 (Q)		
N-MeFOSE	U		0.990 (Q)		
N-EtFOSE	U H		0.741 (Q)		
HFPO-DA	U		0.376 (Q)		
ADONA	U		0.396 (Q)		
9CI-PF3ONS	U		0.397 (Q)		
11CI-PF3OUdS	U		0.397 (Q)		
3:3 FTCA	U		0.396 (Q)		
5:3 FTCA	U		2.48 (Q)		
7:3 FTCA	U		2.48 (Q)		
PFEESA	U		0.0990 (Q)		
PFMPA	U		0.198 (Q)		
PFMBA	U		0.0990 (Q)		
NFDHA	U		0.198 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in sample and the associated blank; J = concentration less than limit of quantification; H = concentration is estimated.

(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: _____ Bryan Alonzo _____

For Axy's Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFA's_L34988-10_Form1A_FC1L_287S53_SJ2927018.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-B-B-1

Sample Collection:

24-May-2021 12:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-10

Matrix: TISSUE

Sample Size: 2.02 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 00:47:11

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 53

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	37.9	94.9		1.000
13C5-PFPeA		20.0	21.9	110		0.867
13C5-PFHxA		10.0	7.66	76.6	23.7	1.000
13C4-PFHpA		10.0	7.98	79.8		0.900
13C8-PFOA		10.0	9.59	95.9		1.000
13C9-PFNA		5.00	5.47	109		1.000
13C6-PFDA		5.00	4.70	94.1		0.999
13C7-PFUnA		5.00	4.59	91.8		1.044
13C2-PFDoA		5.00	4.43	88.5		1.075
13C2-PFTeDA		5.00	4.12	82.4		1.153
13C3-PFBS		10.0	10.6	105	2.89	0.811
13C3-PFHxS		10.0	10.3	103	2.29	0.999
13C8-PFOS		10.1	10.8	107	2.23	1.000
13C2-4:2 FTS		20.2	20.9	104	1.87	0.850
13C2-6:2 FTS		20.0	18.8	94.1	1.87	1.001
13C2-8:2 FTS		20.0	15.6	77.7	3.37	1.261
13C8-PFOSA		10.0	14.2	142		1.149
D3-N-MeFOSA		10.0	3.66	36.6		1.336
D5-N-EtFOSA		10.0	3.23	32.3		1.372
D3-MeFOSAA		20.0	15.5	77.3		1.303
D5-EtFOSAA		20.0	20.4	102		1.327
d7-NMe-FOSE		100	18.9	18.9		1.319
d9-NEt-FOSE		100	9.42	9.42		1.357
13C3-HFPO-DA		40.0	20.2	50.4	1.57	1.028

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-B-B-2

Sample Collection:

24-May-2021 12:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-11

Matrix: TISSUE

Sample Size: 2.06 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 01:00:16

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 54

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.388 (Q)		
PFPeA	U		0.194 (Q)		
PFHxA	U		0.0971 (Q)		
PFHpA	U		0.0971 (Q)		
PFOA	U		0.0971 (Q)		
PFNA	U		0.0971 (Q)		
PFDA	J	0.269	0.0971 (Q)	2.85	1.000
PFUnA	B	0.516	0.0971 (Q)	4.40	1.001
PFDaA	J	0.301	0.0971 (Q)	7.04	1.000
PFTTrDA	B	0.616	0.0971 (Q)	3.35	0.963
PFTeDA	J	0.218	0.0971 (Q)	2.45	1.000
PFBS	U		0.0971 (Q)		
PFPeS	U		0.0976 (Q)		
PFHxS	U		0.0971 (Q)		
PFHpS	U		0.0971 (Q)		
PFOS		0.816	0.0971 (Q)	2.46	
PFNS	U		0.0971 (Q)		
PFDS	U		0.0971 (Q)		
PFDoS	U		0.0971 (Q)		
4:2 FTS	U		0.388 (Q)		
6:2 FTS	U		0.350 (Q)		
8:2 FTS	U		0.388 (Q)		
PFOSA	U		0.0971 (Q)		
N-MeFOSA	U		0.112 (Q)		
N-EtFOSA	U		0.243 (Q)		
MeFOSAA	U		0.0971 (Q)		
EtFOSAA	U		0.0971 (Q)		
N-MeFOSE	U		0.971 (Q)		
N-EtFOSE	U H		0.726 (Q)		
HFPO-DA	U		0.369 (Q)		
ADONA	U		0.388 (Q)		
9CI-PF3ONS	U		0.389 (Q)		
11CI-PF3OUdS	U		0.389 (Q)		
3:3 FTCA	U		0.388 (Q)		
5:3 FTCA	U		2.43 (Q)		
7:3 FTCA	U		2.43 (Q)		
PFEESA	U		0.0971 (Q)		
PFMPA	U		0.194 (Q)		
PFMBA	U		0.0971 (Q)		
NFDHA	U		0.194 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in sample and the associated blank; J = concentration less than limit of quantification; H = concentration is estimated.

(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: _____ Bryan Alonzo _____

For Axy's Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFA_S_L34988-11_Form1A_FC1L_287S54_SJ2927019.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-B-B-2

Sample Collection:

24-May-2021 12:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-11

Matrix: TISSUE

Sample Size: 2.06 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 01:00:16

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 54

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	37.8	94.5		1.000
13C5-PFPeA		20.0	27.9	140		0.868
13C5-PFHxA		10.0	10.9	109	37.0	1.000
13C4-PFHpA		10.0	5.54	55.4		0.898
13C8-PFOA		10.0	9.98	99.8		1.000
13C9-PFNA		5.00	4.72	94.4		1.000
13C6-PFDA		5.00	4.70	94.0		0.999
13C7-PFUnA		5.00	4.68	93.6		1.043
13C2-PFDoA		5.00	4.49	89.8		1.075
13C2-PFTeDA		5.00	3.89	77.7		1.153
13C3-PFBS		10.0	8.04	80.1	2.40	0.812
13C3-PFHxS		10.0	10.7	106	2.40	1.000
13C8-PFOS		10.1	10.2	101	2.18	1.000
13C2-4:2 FTS		20.2	18.4	91.4	2.00	0.850
13C2-6:2 FTS		20.0	18.8	93.9	1.96	1.001
13C2-8:2 FTS		20.0	14.4	71.6	3.40	1.261
13C8-PFOSA		10.0	14.0	140		1.148
D3-N-MeFOSA		10.0	3.71	37.1		1.336
D5-N-EtFOSA		10.0	3.46	34.6		1.372
D3-MeFOSAA		20.0	14.1	70.4		1.303
D5-EtFOSAA		20.0	17.3	86.7		1.326
d7-NMe-FOSE		100	14.4	14.4		1.320
d9-NEt-FOSE		100	9.90	9.90		1.357
13C3-HFPO-DA		40.0	33.3	83.4	3.74	1.030

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-B-B-3

Sample Collection:

24-May-2021 12:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-12

Matrix: TISSUE

Sample Size: 2.04 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 01:13:21

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 55

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.392 (Q)		
PFPeA	U		0.196 (Q)		
PFHxA	U		0.0980 (Q)		
PFHpA	U		0.0980 (Q)		
PFOA	U		0.0980 (Q)		
PFNA	J	0.140	0.0980 (Q)	2.56	
PFDA	J	0.283	0.0980 (Q)	3.01	1.000
PFUnA	B	0.711	0.0980 (Q)	5.47	1.000
PFDoA	J	0.375	0.0980 (Q)	6.84	1.000
PFTTrDA	B	0.716	0.0980 (Q)	2.94	0.963
PFTeDA	J	0.256	0.0980 (Q)	2.75	1.000
PFBS	U		0.0980 (Q)		
PFPeS	U		0.0985 (Q)		
PFHxS	U		0.0980 (Q)		
PFHpS	U		0.0980 (Q)		
PFOS		1.14	0.0980 (Q)	2.50	
PFNS	U		0.0980 (Q)		
PFDS	U		0.0980 (Q)		
PFDoS	U		0.0980 (Q)		
4:2 FTS	U		0.392 (Q)		
6:2 FTS	U		0.353 (Q)		
8:2 FTS	U		0.392 (Q)		
PFOSA	U		0.0980 (Q)		
N-MeFOSA	U		0.113 (Q)		
N-EtFOSA	U		0.245 (Q)		
MeFOSAA	U		0.0980 (Q)		
EtFOSAA	U		0.0980 (Q)		
N-MeFOSE	U		0.980 (Q)		
N-EtFOSE	U		0.733 (Q)		
HFPO-DA	U		0.373 (Q)		
ADONA	U		0.392 (Q)		
9CI-PF3ONS	U		0.393 (Q)		
11CI-PF3OUdS	U		0.393 (Q)		
3:3 FTCA	U		0.392 (Q)		
5:3 FTCA	U		2.45 (Q)		
7:3 FTCA	U		2.45 (Q)		
PFEESA	U		0.0980 (Q)		
PFMPA	U		0.196 (Q)		
PFMBA	U		0.0980 (Q)		
NFDHA	U		0.196 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in sample and the associated 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: _____ Bryan Alonzo _____

For Axy's Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFA_S_L34988-12_Form1A_FC1L_287S55_SJ2927020.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-B-B-3

Sample Collection:

24-May-2021 12:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-12

Matrix: TISSUE

Sample Size: 2.04 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 01:13:21

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 55

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	38.1	95.1		0.995
13C5-PFPeA		20.0	21.7	108		0.867
13C5-PFHxA		10.0	9.84	98.4	23.6	1.000
13C4-PFHpA		10.0	7.98	79.8		0.898
13C8-PFOA		10.0	8.14	81.4		1.000
13C9-PFNA		5.00	4.16	83.2		1.001
13C6-PFDA		5.00	4.91	98.3		0.999
13C7-PFUnA		5.00	4.59	91.8		1.044
13C2-PFDoA		5.00	3.98	79.7		1.075
13C2-PFTeDA		5.00	2.60	52.0		1.153
13C3-PFBS		10.0	9.98	99.5	2.79	0.812
13C3-PFHxS		10.0	9.73	97.1	2.11	1.000
13C8-PFOS		10.1	10.6	105	2.21	1.000
13C2-4:2 FTS		20.2	20.0	99.1	1.60	0.850
13C2-6:2 FTS		20.0	20.6	103	2.19	1.001
13C2-8:2 FTS		20.0	15.6	77.9	3.27	1.261
13C8-PFOSA		10.0	13.1	131		1.148
D3-N-MeFOSA		10.0	2.74	27.4		1.336
D5-N-EtFOSA		10.0	3.53	35.3		1.372
D3-MeFOSAA		20.0	15.7	78.7		1.303
D5-EtFOSAA		20.0	19.3	96.7		1.327
d7-NMe-FOSE		100	51.7	51.7		1.320
d9-NEt-FOSE		100	11.6	11.6		1.358
13C3-HFPO-DA		40.0	30.1	75.1	2.33	1.028

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-B-B-4

Sample Collection:

24-May-2021 12:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-13

Matrix: TISSUE

Sample Size: 2.00 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 01:26:19

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 56

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.400 (Q)		
PFPeA	U		0.200 (Q)		
PFHxA	U		0.100 (Q)		
PFHpA	U		0.100 (Q)		
PFOA	U		0.100 (Q)		
PFNA	U		0.100 (Q)		
PFDA	J	0.262	0.100 (Q)	3.38	1.000
PFUnA	B	0.656	0.100 (Q)	4.75	1.000
PFDaA		0.681	0.100 (Q)	7.85	1.000
PFTTrDA	B	1.43	0.100 (Q)	3.40	0.962
PFTeDA		0.526	0.100 (Q)	2.75	1.000
PFBS	U		0.100 (Q)		
PFPeS	U		0.101 (Q)		
PFHxS	U		0.100 (Q)		
PFHpS	U		0.100 (Q)		
PFOS		0.963	0.100 (Q)	2.41	
PFNS	U		0.100 (Q)		
PFDS	U		0.100 (Q)		
PFDoS	U		0.100 (Q)		
4:2 FTS	U		0.400 (Q)		
6:2 FTS	U		0.361 (Q)		
8:2 FTS	U		0.400 (Q)		
PFOSA	U		0.100 (Q)		
N-MeFOSA	U		0.115 (Q)		
N-EtFOSA	U		0.250 (Q)		
MeFOSAA	U		0.100 (Q)		
EtFOSAA	U		0.100 (Q)		
N-MeFOSE	U		1.00 (Q)		
N-EtFOSE	U		0.748 (Q)		
HFPO-DA	U		0.380 (Q)		
ADONA	U		0.400 (Q)		
9CI-PF3ONS	U		0.401 (Q)		
11CI-PF3OUdS	U		0.401 (Q)		
3:3 FTCA	U		0.400 (Q)		
5:3 FTCA	U		2.50 (Q)		
7:3 FTCA	U		2.50 (Q)		
PFEESA	U		0.100 (Q)		
PFMPA	U		0.200 (Q)		
PFMBA	U		0.100 (Q)		
NFDHA	U		0.200 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in sample and the associated 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: _____ Bryan Alonzo _____

For Axy's Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFA_S_L34988-13_Form1A_FC1L_287S56_SJ2927021.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-B-B-4

Sample Collection:

24-May-2021 12:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-13

Matrix: TISSUE

Sample Size: 2.00 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 01:26:19

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 56

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	37.7	94.3		1.000
13C5-PFPeA		20.0	20.8	104		0.867
13C5-PFHxA		10.0	9.90	99.0	19.8	1.000
13C4-PFHpA		10.0	7.86	78.6		0.898
13C8-PFOA		10.0	9.43	94.3		1.000
13C9-PFNA		5.00	4.92	98.3		1.000
13C6-PFDA		5.00	4.70	94.0		0.999
13C7-PFUnA		5.00	4.88	97.6		1.044
13C2-PFDoA		5.00	4.23	84.5		1.075
13C2-PFTeDA		5.00	3.46	69.1		1.153
13C3-PFBS		10.0	9.92	98.9	2.90	0.811
13C3-PFHxS		10.0	9.81	98.0	2.58	0.999
13C8-PFOS		10.1	10.2	101	2.20	1.000
13C2-4:2 FTS		20.2	19.2	95.2	1.88	0.850
13C2-6:2 FTS		20.0	19.8	99.0	2.07	1.001
13C2-8:2 FTS		20.0	15.3	76.2	3.56	1.261
13C8-PFOSA		10.0	13.7	137		1.148
D3-N-MeFOSA		10.0	3.14	31.4		1.336
D5-N-EtFOSA		10.0	3.65	36.5		1.372
D3-MeFOSAA		20.0	14.1	70.7		1.303
D5-EtFOSAA		20.0	19.1	95.7		1.327
d7-NMe-FOSE		100	34.6	34.6		1.319
d9-NEt-FOSE		100	10.8	10.8		1.357
13C3-HFPO-DA		40.0	23.3	58.1	2.76	1.028

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-C-SMB-1

Sample Collection:

24-May-2021 16:15

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-14

Matrix: TISSUE

Sample Size: 2.04 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 01:39:24

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 57

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.392 (Q)		
PFPeA	U		0.196 (Q)		
PFHxA	U		0.0980 (Q)		
PFHpA	U		0.0980 (Q)		
PFOA	U		0.0980 (Q)		
PFNA	U		0.0980 (Q)		
PFDA	J	0.242	0.0980 (Q)	3.25	1.000
PFUnA	B	0.963	0.0980 (Q)	4.56	1.000
PFDoA		0.939	0.0980 (Q)	8.12	1.000
PFTTrDA	B	1.50	0.0980 (Q)	3.20	0.963
PFTeDA		0.587	0.0980 (Q)	2.38	1.000
PFBS	U		0.0980 (Q)		
PFPeS	U		0.0985 (Q)		
PFHxS	U		0.0980 (Q)		
PFHpS	U		0.0980 (Q)		
PFOS		4.20	0.0980 (Q)	2.68	
PFNS	U		0.0980 (Q)		
PFDS	U		0.0980 (Q)		
PFDoS	U		0.0980 (Q)		
4:2 FTS	U		0.392 (Q)		
6:2 FTS	U		0.353 (Q)		
8:2 FTS	U		0.392 (Q)		
PFOSA	U		0.0980 (Q)		
N-MeFOSA	U		0.113 (Q)		
N-EtFOSA	U		0.245 (Q)		
MeFOSAA	U		0.0980 (Q)		
EtFOSAA	U		0.0980 (Q)		
N-MeFOSE	U		0.980 (Q)		
N-EtFOSE	U		0.733 (Q)		
HFPO-DA	U		0.373 (Q)		
ADONA	U		0.392 (Q)		
9CI-PF3ONS	U		0.393 (Q)		
11CI-PF3OUdS	U		0.393 (Q)		
3:3 FTCA	U		0.392 (Q)		
5:3 FTCA	U		2.45 (Q)		
7:3 FTCA	U		2.45 (Q)		
PFEESA	U		0.0980 (Q)		
PFMPA	U		0.196 (Q)		
PFMBA	U		0.0980 (Q)		
NFDHA	U		0.196 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in sample and the associated 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: _____ Bryan Alonzo _____

For Axy's Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFA's_L34988-14_Form1A_FC1L_287S57_SJ2927022.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-C-SMB-1

Sample Collection:

24-May-2021 16:15

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-14

Matrix: TISSUE

Sample Size: 2.04 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 01:39:24

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 57

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	37.0	92.6		0.995
13C5-PFPeA		20.0	21.3	106		0.867
13C5-PFHxA		10.0	10.1	101	23.0	1.000
13C4-PFHpA		10.0	8.66	86.6		0.898
13C8-PFOA		10.0	8.02	80.2		1.000
13C9-PFNA		5.00	5.24	105		0.999
13C6-PFDA		5.00	4.18	83.6		1.000
13C7-PFUnA		5.00	3.33	66.6		1.044
13C2-PFDoA	V	5.00	1.74	34.8		1.075
13C2-PFTeDA	V	5.00	0.642	12.8		1.153
13C3-PFBS		10.0	7.77	77.5	2.81	0.812
13C3-PFHxS		10.0	9.20	91.8	2.45	1.001
13C8-PFOS		10.1	9.62	95.6	2.20	1.000
13C2-4:2 FTS		20.2	25.1	125	1.63	0.850
13C2-6:2 FTS		20.0	23.0	115	2.30	1.001
13C2-8:2 FTS		20.0	16.8	83.8	3.30	1.261
13C8-PFOSA		10.0	10.7	107		1.147
D3-N-MeFOSA		10.0	3.42	34.2		1.336
D5-N-EtFOSA		10.0	2.16	21.6		1.372
D3-MeFOSAA		20.0	14.1	70.3		1.303
D5-EtFOSAA		20.0	16.8	83.9		1.327
d7-NMe-FOSE		100	62.8	62.8		1.319
d9-NEt-FOSE		100	44.3	44.3		1.357
13C3-HFPO-DA		40.0	39.7	99.3	2.52	1.027

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052421-C-YB-1

Sample Collection:

24-May-2021 16:15

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-15

Matrix: TISSUE

Sample Size: 2.04 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 01:52:30

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 58

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.392 (Q)		
PFPeA	U		0.196 (Q)		
PFHxA	U		0.0980 (Q)		
PFHpA	U		0.0980 (Q)		
PFOA	U		0.0980 (Q)		
PFNA	U		0.0980 (Q)		
PFDA	U		0.0980 (Q)		
PFUnA	B J	0.372	0.0980 (Q)	4.16	1.000
PFDoA		0.716	0.0980 (Q)	6.90	1.000
PFTTrDA	B	1.59	0.0980 (Q)	3.24	0.963
PFTeDA		0.494	0.0980 (Q)	2.95	1.000
PFBS	U		0.0980 (Q)		
PFPeS	U		0.0985 (Q)		
PFHxS	U		0.0980 (Q)		
PFHpS	U		0.0980 (Q)		
PFOS	J	0.336	0.0980 (Q)	2.28	
PFNS	U		0.0980 (Q)		
PFDS	U		0.0980 (Q)		
PFDoS	U		0.0980 (Q)		
4:2 FTS	U		0.392 (Q)		
6:2 FTS	U		0.353 (Q)		
8:2 FTS	U		0.392 (Q)		
PFOSA	U		0.0980 (Q)		
N-MeFOSA	U		0.113 (Q)		
N-EtFOSA	U		0.245 (Q)		
MeFOSAA	U		0.0980 (Q)		
EtFOSAA	U		0.0980 (Q)		
N-MeFOSE	U		0.980 (Q)		
N-EtFOSE	U		0.733 (Q)		
HFPO-DA	U		0.373 (Q)		
ADONA	U		0.392 (Q)		
9CI-PF3ONS	U		0.393 (Q)		
11CI-PF3OUdS	U		0.393 (Q)		
3:3 FTCA	U		0.392 (Q)		
5:3 FTCA	U		2.45 (Q)		
7:3 FTCA	U		2.45 (Q)		
PFEESA	U		0.0980 (Q)		
PFMPA	U		0.196 (Q)		
PFMBA	U		0.0980 (Q)		
NFDHA	U		0.196 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in sample and the associated 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: _____Bryan Alonzo_____

For Axy's Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFA's_L34988-15_Form1A_FC1L_287S58_SJ2927023.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052421-C-YB-1

Sample Collection:

24-May-2021 16:15

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-15

Matrix: TISSUE

Sample Size: 2.04 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 01:52:30

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 58

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	36.8	92.0		1.000
13C5-PFPeA		20.0	26.8	134		0.868
13C5-PFHxA		10.0	8.67	86.7	35.2	1.000
13C4-PFHpA		10.0	10.0	100		0.900
13C8-PFOA		10.0	8.60	86.0		1.000
13C9-PFNA		5.00	4.53	90.7		0.999
13C6-PFDA		5.00	4.80	96.0		1.000
13C7-PFUnA		5.00	4.56	91.3		1.044
13C2-PFDoA		5.00	3.37	67.4		1.076
13C2-PFTeDA		5.00	2.81	56.3		1.153
13C3-PFBS		10.0	10.5	105	2.69	0.813
13C3-PFHxS		10.0	10.9	109	2.47	1.001
13C8-PFOS		10.1	10.1	101	2.21	1.000
13C2-4:2 FTS		20.2	22.6	112	2.00	0.851
13C2-6:2 FTS		20.0	20.4	102	1.99	1.002
13C2-8:2 FTS		20.0	20.5	102	3.22	1.262
13C8-PFOSA		10.0	13.1	131		1.146
D3-N-MeFOSA		10.0	2.81	28.1		1.335
D5-N-EtFOSA		10.0	4.25	42.5		1.372
D3-MeFOSAA		20.0	16.1	80.6		1.304
D5-EtFOSAA		20.0	20.3	102		1.327
d7-NMe-FOSE		100	79.2	79.2		1.318
d9-NEt-FOSE		100	64.0	64.0		1.357
13C3-HFPO-DA		40.0	27.1	67.7	2.53	1.027

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052621-C-LMB-1

Sample Collection:

26-May-2021 07:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-16

Matrix: TISSUE

Sample Size: 2.07 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 02:05:35

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 59

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.386 (Q)		
PFPeA	U		0.193 (Q)		
PFHxA	U		0.0966 (Q)		
PFHpA	U		0.0966 (Q)		
PFOA	U		0.0966 (Q)		
PFNA	U		0.0966 (Q)		
PFDA	J	0.205	0.0966 (Q)	2.95	1.000
PFUnA	B	0.758	0.0966 (Q)	4.59	1.000
PFDoA		0.619	0.0966 (Q)	6.95	1.000
PFTTrDA	B	1.34	0.0966 (Q)	2.90	0.962
PFTeDA		0.506	0.0966 (Q)	2.45	1.000
PFBS	U		0.0966 (Q)		
PFPeS	U		0.0971 (Q)		
PFHxS	U		0.0966 (Q)		
PFHpS	U		0.0966 (Q)		
PFOS		2.09	0.0966 (Q)	2.60	
PFNS	U		0.0966 (Q)		
PFDS	U		0.0966 (Q)		
PFDoS	U		0.0966 (Q)		
4:2 FTS	U		0.386 (Q)		
6:2 FTS	U		0.348 (Q)		
8:2 FTS	U		0.386 (Q)		
PFOSA	U		0.0966 (Q)		
N-MeFOSA	U		0.111 (Q)		
N-EtFOSA	U		0.242 (Q)		
MeFOSAA	U		0.0966 (Q)		
EtFOSAA	U		0.0966 (Q)		
N-MeFOSE	U		0.966 (Q)		
N-EtFOSE	U		0.723 (Q)		
HFPO-DA	U		0.367 (Q)		
ADONA	U		0.386 (Q)		
9CI-PF3ONS	U		0.387 (Q)		
11CI-PF3OUdS	U		0.387 (Q)		
3:3 FTCA	U		0.386 (Q)		
5:3 FTCA	U		2.42 (Q)		
7:3 FTCA	U		2.42 (Q)		
PFEESA	U		0.0966 (Q)		
PFMPA	U		0.193 (Q)		
PFMBA	U		0.0966 (Q)		
NFDHA	U		0.193 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in sample and the associated 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: _____Bryan Alonzo_____

For Axy's Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFA_S_L34988-16_Form1A_FC1L_287S59_SJ2927024.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052621-C-LMB-1

Sample Collection:

26-May-2021 07:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-16

Matrix: TISSUE

Sample Size: 2.07 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 02:05:35

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 59

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA	V	40.0	37.1	92.8	31.3	1.000
13C5-PFPeA		20.0	24.4	122		0.867
13C5-PFHxA		10.0	12.3	123		1.000
13C4-PFHpA		10.0	7.83	78.3		0.898
13C8-PFOA		10.0	7.90	79.0		1.000
13C9-PFNA		5.00	4.62	92.5	2.69	1.000
13C6-PFDA		5.00	4.73	94.7		0.999
13C7-PFUnA		5.00	4.83	96.5		1.044
13C2-PFDoA		5.00	3.62	72.3		1.075
13C2-PFTeDA		5.00	1.62	32.4		1.153
13C3-PFBS		10.0	7.35	73.3	2.40	0.812
13C3-PFHxS		10.0	9.42	94.1	2.15	1.000
13C8-PFOS		10.1	10.7	106	1.71	1.000
13C2-4:2 FTS		20.2	22.0	109	2.19	0.850
13C2-6:2 FTS		20.0	21.7	109	3.18	1.001
13C2-8:2 FTS		20.0	17.5	87.2	3.41	1.261
13C8-PFOSA		10.0	13.8	138		1.147
D3-N-MeFOSA		10.0	3.55	35.5		1.336
D5-N-EtFOSA		10.0	3.34	33.4		1.371
D3-MeFOSAA		20.0	18.1	90.4		1.303
D5-EtFOSAA		20.0	23.8	119		1.327
d7-NMe-FOSE		100	95.1	95.1		1.318
d9-NEt-FOSE		100	73.3	73.3		1.357
13C3-HFPO-DA		40.0	44.2	111		1.028

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

052621-C-LMB-2

Sample Collection:

26-May-2021 07:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-17 (A)

Matrix: TISSUE

Sample Size: 2.04 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 02:18:40

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 60

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.392 (Q)		
PFPeA	U		0.196 (Q)		
PFHxA	U		0.0980 (Q)		
PFHpA	U		0.0980 (Q)		
PFOA	U		0.0980 (Q)		
PFNA	U		0.0980 (Q)		
PFDA	J	0.200	0.0980 (Q)	4.58	1.000
PFUnA	B	0.656	0.0980 (Q)	4.37	1.000
PFDoA		0.617	0.0980 (Q)	6.69	0.999
PFTTrDA	B	1.08	0.0980 (Q)	3.06	0.963
PFTeDA	J	0.345	0.0980 (Q)	1.70	1.000
PFBS	U		0.0980 (Q)		
PFPeS	U		0.0985 (Q)		
PFHxS	U		0.0980 (Q)		
PFHpS	U		0.0980 (Q)		
PFOS		2.64	0.0980 (Q)	2.62	
PFNS	U		0.0980 (Q)		
PFDS	U		0.0980 (Q)		
PFDoS	U		0.0980 (Q)		
4:2 FTS	U		0.392 (Q)		
6:2 FTS	U		0.353 (Q)		
8:2 FTS	U		0.392 (Q)		
PFOSA	U		0.0980 (Q)		
N-MeFOSA	U		0.113 (Q)		
N-EtFOSA	U		0.245 (Q)		
MeFOSAA	U		0.0980 (Q)		
EtFOSAA	U		0.0980 (Q)		
N-MeFOSE	U		0.980 (Q)		
N-EtFOSE	U		0.733 (Q)		
HFPO-DA	U		0.373 (Q)		
ADONA	U		0.392 (Q)		
9CI-PF3ONS	U		0.393 (Q)		
11CI-PF3OUdS	U		0.393 (Q)		
3:3 FTCA	U		0.392 (Q)		
5:3 FTCA	U		2.45 (Q)		
7:3 FTCA	U		2.45 (Q)		
PFEESA	U		0.0980 (Q)		
PFMPA	U		0.196 (Q)		
PFMBA	U		0.0980 (Q)		
NFDHA	U		0.196 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; B = analyte found in sample and the associated 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: _____Bryan Alonzo_____

For Axy's Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFAS_L34988-17_Form1A_FC1L_287S60_SJ2927025.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.

052621-C-LMB-2

Sample Collection:

26-May-2021 07:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

L34988-17 (A)

Matrix: TISSUE

Sample Size: 2.04 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 02:18:40

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 60

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA	V	40.0	37.0	92.6	25.5	0.995
13C5-PFPeA		20.0	21.9	110		0.867
13C5-PFHxA		10.0	10.9	109		1.000
13C4-PFHpA		10.0	9.12	91.2		0.900
13C8-PFOA		10.0	9.15	91.5		1.000
13C9-PFNA		5.00	4.46	89.1	3.04	1.001
13C6-PFDA		5.00	4.86	97.2		1.000
13C7-PFUnA		5.00	4.45	89.0		1.044
13C2-PFDoA		5.00	3.57	71.4		1.076
13C2-PFTeDA		5.00	1.83	36.5		1.153
13C3-PFBS		10.0	10.1	100		0.812
13C3-PFHxS		10.0	9.21	92.0		1.000
13C8-PFOS		10.1	10.1	100		1.000
13C2-4:2 FTS		20.2	24.7	122		0.849
13C2-6:2 FTS		20.0	22.6	113		1.001
13C2-8:2 FTS		20.0	15.7	78.5		1.259
13C8-PFOSA		10.0	12.1	121	2.94	1.147
D3-N-MeFOSA		10.0	2.64	26.4		1.336
D5-N-EtFOSA		10.0	3.07	30.7		1.372
D3-MeFOSAA		20.0	14.1	70.3		1.301
D5-EtFOSAA		20.0	18.0	90.0		1.325
d7-NMe-FOSE		100	76.3	76.3		1.319
d9-NEt-FOSE		100	61.0	61.0		1.357
13C3-HFPO-DA		40.0	33.1	82.7		1.027

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.
052621-C-LMB-2 (Duplicate)
Sample Collection:
26-May-2021 07:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

WG77103-103 (DUP L34988-17)

Matrix: TISSUE

Sample Size: 2.00 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 02:31:38

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 61

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g (wet weight basis)

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.400 (Q)		
PFPeA	U		0.200 (Q)		
PFHxA	U		0.100 (Q)		
PFHpA	U		0.100 (Q)		
PFOA	U		0.100 (Q)		
PFNA	U		0.100 (Q)		
PFDA	J	0.196	0.100 (Q)	3.10	1.001
PFUnA	K B	0.657	0.100 (Q)	6.56	1.000
PFDoA		0.679	0.100 (Q)	9.79	1.000
PFTTrDA	B	1.02	0.100 (Q)	3.47	0.963
PFTeDA		0.400	0.100 (Q)	3.09	1.000
PFBS	U		0.100 (Q)		
PFPeS	U		0.101 (Q)		
PFHxS	U		0.100 (Q)		
PFHpS	U		0.100 (Q)		
PFOS		2.71	0.100 (Q)	2.70	
PFNS	U		0.100 (Q)		
PFDS	U		0.100 (Q)		
PFDoS	U		0.100 (Q)		
4:2 FTS	U		0.400 (Q)		
6:2 FTS	U		0.361 (Q)		
8:2 FTS	U		0.400 (Q)		
PFOSA	U		0.100 (Q)		
N-MeFOSA	U		0.115 (Q)		
N-EtFOSA	U		0.250 (Q)		
MeFOSAA	U		0.100 (Q)		
EtFOSAA	U		0.100 (Q)		
N-MeFOSE	U		1.00 (Q)		
N-EtFOSE	U		0.748 (Q)		
HFPO-DA	U		0.380 (Q)		
ADONA	U		0.400 (Q)		
9CI-PF3ONS	U		0.401 (Q)		
11CI-PF3OUdS	U		0.401 (Q)		
3:3 FTCA	U		0.400 (Q)		
5:3 FTCA	U		2.50 (Q)		
7:3 FTCA	U		2.50 (Q)		
PFEESA	U		0.100 (Q)		
PFMPA	U		0.200 (Q)		
PFMBA	U		0.100 (Q)		
NFDHA	U		0.200 (Q)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; K = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; B = analyte found in sample and the associated 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: _____ Bryan Alonzo _____

For Axys Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFAS_WG77103-103_Form1A_FC1L_287S61_SJ2927026.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

CLIENT SAMPLE NO.
052621-C-LMB-2 (Duplicate)
Sample Collection:
26-May-2021 07:00

PERFLUORINATED ORGANICS 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.: 4853

Project No.

ERG 0394.00.013.004

Lab Sample I.D.:

WG77103-103 (DUP L34988-17)

Matrix: TISSUE

Sample Size: 2.00 g (wet)

Sample Receipt Date: 28-May-2021

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 08-Jul-2021 Time: 02:31:38

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 61

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELLED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	36.7	91.7		0.995
13C5-PFPeA		20.0	19.5	97.3		0.867
13C5-PFHxA		10.0	9.17	91.7	23.8	1.000
13C4-PFHpA		10.0	10.2	102		0.900
13C8-PFOA		10.0	9.15	91.5		1.000
13C9-PFNA		5.00	4.68	93.6		1.000
13C6-PFDA		5.00	4.28	85.7		0.999
13C7-PFUnA		5.00	3.69	73.9		1.044
13C2-PFDoA	V	5.00	2.14	42.8		1.075
13C2-PFTeDA	V	5.00	0.965	19.3		1.153
13C3-PFBS		10.0	9.26	92.3	3.27	0.812
13C3-PFHxS		10.0	9.78	97.7	2.44	1.000
13C8-PFOS		10.1	9.62	95.6	2.17	1.000
13C2-4:2 FTS		20.2	25.8	128	2.13	0.850
13C2-6:2 FTS		20.0	21.2	106	2.38	1.001
13C2-8:2 FTS		20.0	15.4	76.8	3.38	1.261
13C8-PFOSA		10.0	10.2	102		1.147
D3-N-MeFOSA		10.0	3.58	35.8		1.336
D5-N-EtFOSA		10.0	2.49	24.9		1.372
D3-MeFOSAA		20.0	11.4	57.2		1.303
D5-EtFOSAA		20.0	13.9	69.4		1.327
d7-NMe-FOSE		100	69.6	69.6		1.318
d9-NEt-FOSE		100	50.4	50.4		1.357
13C3-HFPO-DA		40.0	34.0	85.0	3.99	1.027

(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: _____ Bryan Alonzo _____

For Axys Internal Use Only [XSL Template: FC2-Form2.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFA_SG77103-103_Form2_FC1L_287S61_SJ2927026.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

PERFLUORINATED ORGANICS ANALYSIS REPORT
RELATIVE PERCENT DIFFERENCE

SGS AXYS ANALYTICAL SERVICES

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

Project No.

ERG 0394.00.013.004

Contract No.: 4853

Client ID: 052621-C-LMB-2

Concentration Units: ng/g (wet weight basis)

COMPOUND	L34988-17 (A)		WG77103-103		MEAN	RELATIVE PERCENT DIFFERENCE
	LAB FLAG ¹	CONC. FOUND	LAB FLAG ¹	CONC. FOUND		
PFBA	U		U			
PFPeA	U		U			
PFHxA	U		U			
PfHpA	U		U			
PFOA	U		U			
PFNA	U		U			
PFDA	J	0.200	J	0.196	0.198	1.84
PFUnA		0.656	K	0.657		
PFDaA		0.617		0.679	0.648	9.49
PFTTrDA		1.08		1.02	1.05	6.44
PFTeDA	J	0.345		0.400	0.372	14.9
PFBS	U		U			
PFPeS	U		U			
PFHxS	U		U			
PfHpS	U		U			
PFOS		2.64		2.71	2.68	2.56
PFNS	U		U			
PFDS	U		U			
PFDoS	U		U			
4:2 FTS	U		U			
6:2 FTS	U		U			
8:2 FTS	U		U			
PFOSA	U		U			
N-MeFOSA	U		U			
N-EtFOSA	U		U			
MeFOSAA	U		U			
EtFOSAA	U		U			
N-MeFOSE	U		U			
N-EtFOSE	U		U			
HFPO-DA	U		U			
ADONA	U		U			
9CI-PF3ONS	U		U			
11CI-PF3OUdS	U		U			
3:3 FTCA	U		U			
5:3 FTCA	U		U			
7:3 FTCA	U		U			
PFEESA	U		U			
PFMPA	U		U			
PFMBA	U		U			
NFDHA	U		U			

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

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

For Axys Internal Use Only [XSL Template: RPD.xsl; Created: 21-Jul-2021 12:19:36; Application: XMLTransformer-1.18.25;
Report Filename: RPD_FC_LC_PFAS-RPD_WG77103-103_L34988-17_.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 1A

CLIENT SAMPLE NO.

Lab Blank

Sample Collection:

N/A

PERFLUORINATED ORGANICS 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.: 4853

Project No.

N/A

Lab Sample I.D.:

WG77103-101

Matrix: TISSUE

Sample Size: 2.00 g

Sample Receipt Date: N/A

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021 Time: 22:36:32

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 43

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng/g

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

COMPOUND	LAB FLAG ¹	CONC. FOUND	REPORTING LIMIT (RL) ²	RATIO	RRT
PFBA	U		0.400 (Q)		
PFPeA	U		0.200 (Q)		
PFHxA	U		0.100 (Q)		
PFHpA	U		0.100 (Q)		
PFOA	U		0.100 (Q)		
PFNA	U		0.100 (Q)		
PFDA	U		0.100 (Q)		
PFUnA	J	0.139	0.100 (Q)	4.41	1.000
PFDaA	U		0.100 (Q)		
PFTTrDA	J	0.132	0.100 (Q)	4.14	0.963
PFTeDA	U		0.100 (Q)		
PFBS	U		0.100 (Q)		
PFPeS	U		0.101 (Q)		
PFHxS	U		0.100 (Q)		
PFHpS	U		0.100 (Q)		
PFOS	U		0.100 (Q)		
PFNS	U		0.100 (Q)		
PFDS	U		0.100 (Q)		
PFDoS	U		0.100 (Q)		
4:2 FTS	U		0.400 (Q)		
6:2 FTS	U		0.361 (Q)		
8:2 FTS	U		0.400 (Q)		
PFOSA	J	0.105	0.100 (Q)		
N-MeFOSA	U		0.115 (Q)		
N-EtFOSA	U		0.250 (Q)		
MeFOSAA	U		0.100 (Q)		
EtFOSAA	U		0.100 (Q)		
N-MeFOSE	U H		1.00 (Q)		
N-EtFOSE	U		0.748 (Q)		
HFPO-DA	U		0.380 (Q)		
ADONA	U		0.400 (Q)		
9CI-PF3ONS	U		0.401 (Q)		
11CI-PF3OUdS	U		0.401 (Q)		
3:3 FTCA	U		0.400 (Q)		
5:3 FTCA	U		2.50 (Q)		
7:3 FTCA	U		2.50 (Q)		
PFEESA	U		0.100 (Q)		
PFMPA	U		0.200 (Q)		
PFMBA	U		0.100 (Q)		
NFDHA	U		0.200 (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; H = concentration is estimated.
(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: _____Bryan Alonzo_____

For Axy's Internal Use Only [XSL Template: FC2-Form1A.xsl; Created: 21-Jul-2021 12:15:03; Application: XMLTransformer-1.18.25;
Report Filename: PFC_FC_LC_PFA_S_WG77103-101_Form1A_FC1L_287S43_SJ2927007.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 2

PERFLUORINATED ORGANICS ANALYSIS REPORT

CLIENT SAMPLE NO.

Lab Blank

Sample Collection:

N/A

SGS AXYS ANALYTICAL SERVICES

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

Contract No.: 4853

Project No.

N/A

Lab Sample I.D.:

WG77103-101

Matrix: TISSUE

Sample Size: 2.00 g

Sample Receipt Date: N/A

Initial Calibration Date: 22-Feb-2021

Extraction Date: 05-Jul-2021

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021 Time: 22:36:32

Column ID: C18

Extract Volume (uL): 4000

Sample Data Filename: FC1L_287 S: 43

Injection Volume (uL): 2

Blank Data Filename: FC1L_287 S: 43

Dilution Factor: N/A

Cal. Ver. Data Filename: FC1L_287 S: 39

Concentration Units: ng absolute

This page is part of a total report that contains information necessary for accreditation compliance.
Results are compliant with NELAP accreditation described in the total report. Sample results relate only to the sample tested.

LABELED COMPOUND	LAB FLAG ¹	SPIKE CONC.	CONC. FOUND	R(%) ²	RATIO	RRT
13C4-PFBA		40.0	37.6	94.1		0.995
13C5-PFPeA		20.0	20.4	102		0.868
13C5-PFHxA		10.0	10.3	103	29.0	1.000
13C4-PFHpA		10.0	9.25	92.5		0.898
13C8-PFOA		10.0	9.24	92.4		1.000
13C9-PFNA		5.00	4.68	93.6		0.999
13C6-PFDA		5.00	5.30	106		0.999
13C7-PFUnA		5.00	5.47	109		1.044
13C2-PFDoA		5.00	5.31	106		1.075
13C2-PFTeDA		5.00	5.10	102		1.153
13C3-PFBS		10.0	9.33	93.0	3.07	0.811
13C3-PFHxS		10.0	9.27	92.6	2.29	1.000
13C8-PFOS		10.1	11.2	111	2.07	1.000
13C2-4:2 FTS		20.2	24.0	119	1.90	0.849
13C2-6:2 FTS		20.0	19.4	97.1	2.12	1.001
13C2-8:2 FTS		20.0	27.4	137	3.14	1.261
13C8-PFOSA		10.0	14.3	143		1.151
D3-N-MeFOSA		10.0	1.92	19.2		1.338
D5-N-EtFOSA		10.0	3.78	37.8		1.372
D3-MeFOSAA		20.0	17.3	86.6		1.303
D5-EtFOSAA		20.0	19.7	98.4		1.325
d7-NMe-FOSE		100	3.92	3.92		1.318
d9-NEt-FOSE		100	18.9	18.9		1.357
13C3-HFPO-DA		40.0	32.2	80.5	4.57	1.028

(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: _____ Bryan Alonzo _____

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Report Filename: PFC_FC_LC_PFA_SJ2927007.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 8A

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.:	4853	Lab Sample I.D.:	WG77103-102
Matrix:	TISSUE	Initial Calibration Date:	22-Feb-2021
Extraction Date:	05-Jul-2021	Instrument ID:	LCMS/MS
Analysis Date:	07-Jul-2021 Time: 22:10:28	Column ID:	C18
Extract Volume (uL):	4000	OPR Data Filename:	FC1L_287 S: 41
Injection Volume (uL):	2	Blank Data Filename:	FC1L_287 S: 43
Dilution Factor:	N/A	Cal. Ver. Data Filename:	FC1L_287 S: 39

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

COMPOUND	LAB FLAG ¹	RATIO	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	% RECOVERY	RRT
PFBA			20.0	19.8	99.1	1.005
PFPeA			10.0	9.67	96.7	1.001
PFHxA		5.04	5.00	4.85	96.9	1.000
PFHpA		2.04	5.00	4.93	98.6	1.000
PFOA		1.92	5.00	5.01	100	
PFNA		2.71	5.00	4.76	95.2	
PFDA		2.87	5.00	5.21	104	1.000
PFUnA		4.84	5.00	5.29	106	1.000
PFDoA		7.83	5.00	4.95	99.1	1.000
PFTTrDA		2.97	5.00	5.19	104	0.963
PFTeDA		2.44	5.00	4.77	95.3	1.000
PFBS		2.82	5.00	5.94	119	1.000
PFPeS		2.36	5.01	5.05	101	0.890
PFHxS		2.36	5.00	4.32	86.4	
PFHpS		1.94	5.01	4.59	91.7	0.927
PFOS		2.73	5.00	4.80	96.1	
PFNS		2.39	5.01	4.46	89.1	1.043
PFDS		2.27	5.00	4.42	88.4	1.075
PFDoS		2.30	5.01	4.17	83.3	1.159
4:2 FTS		0.45	20.0	18.3	91.7	1.000
6:2 FTS		0.39	18.0	15.0	83.0	1.000
8:2 FTS		0.55	20.0	23.3	116	1.000
PFOSA			5.00	4.88	97.6	
N-MeFOSA		0.53	5.75	5.58	97.0	
N-EtFOSA		0.50	12.5	13.5	108	
MeFOSAA		1.98	5.00	5.12	102	
EtFOSAA		1.14	5.00	4.72	94.5	
N-MeFOSE	H N		50.0	110	221	
N-EtFOSE			37.5	46.1	123	
HFPO-DA		2.92	19.0	18.0	94.8	1.000
ADONA		1.13	20.1	24.7	123	1.088
9CI-PF3ONS		3.23	20.0	22.6	113	0.969
11CI-PF3OUdS		3.32	20.0	21.3	106	1.033
3:3 FTCA		1.78	20.0	15.2	75.9	0.831
5:3 FTCA		1.41	125	193	154	1.046

COMPOUND	LAB FLAG ¹	RATIO	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	% RECOVERY	RRT
7:3 FTCA		0.67	125	132	106	1.327
PFEESA		8.33	5.00	3.81	76.2	1.030
PFMPA			10.0	8.35	83.5	0.601
PFMBA			5.00	4.63	92.7	1.070
NFDHA	N	0.95	10.0	5.78	57.8	0.989

(1) Where applicable, custom lab flags have been used on this report; N = authentic recovery in the OPR is not within method/contract control limits; H = concentration is estimated.

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

Signed: _____Bryan Alonzo_____

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.

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Report Filename: PFC_FC_LC_PFAS_WG77103-102_Form8A_SJ2927004.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

Form 8B

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.:	4853	Lab Sample I.D.:	WG77103-102
Matrix:	TISSUE	Initial Calibration Date:	22-Feb-2021
Extraction Date:	05-Jul-2021	Instrument ID:	LCMS/MS
Analysis Date:	07-Jul-2021 Time: 22:10:28	Column ID:	C18
Extract Volume (uL):	4000	OPR Data Filename:	FC1L_287 S: 41
Injection Volume (uL):	2	Blank Data Filename:	FC1L_287 S: 43
Dilution Factor:	N/A	Cal. Ver. Data Filename:	FC1L_287 S: 39

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

LABELLED COMPOUND	LAB FLAG ¹	RATIO	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	% RECOVERY	RRT
13C4-PFBA			40.0	36.4	91.0	0.995
13C5-PFPeA			20.0	16.9	84.6	0.867
13C5-PFHxA		22.7	10.0	8.16	81.6	1.000
13C4-PFHpA			10.0	8.47	84.7	0.899
13C8-PFOA			10.0	7.50	75.0	0.999
13C9-PFNA			5.00	4.69	93.8	1.000
13C6-PFDA			5.00	4.40	88.1	0.999
13C7-PFUnA			5.00	4.56	91.2	1.044
13C2-PFDoA			5.00	4.52	90.4	1.075
13C2-PFTeDA			5.00	4.22	84.3	1.152
13C3-PFBS		2.40	10.0	7.58	75.6	0.812
13C3-PFHxS		2.37	10.0	9.23	92.1	1.000
13C8-PFOS		2.19	10.1	10.1	101	1.000
13C2-4:2 FTS		2.04	20.2	29.3	146	0.850
13C2-6:2 FTS		2.38	20.0	19.4	97.0	1.001
13C2-8:2 FTS		2.92	20.0	29.8	149	1.261
13C8-PFOSA			10.0	13.1	131	1.150
D3-N-MeFOSA			10.0	3.73	37.3	1.337
D5-N-EtFOSA			10.0	3.83	38.3	1.372
D3-MeFOSAA			20.0	18.3	91.6	1.303
D5-EtFOSAA			20.0	22.5	113	1.326
d7-NMe-FOSE			100	2.92	2.92	1.318
d9-NEt-FOSE			100	26.1	26.1	1.357
13C3-HFPO-DA		3.05	40.0	26.3	65.8	1.028

(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: _____ Bryan Alonzo _____

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-110 Rev 02

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: 22-Feb-2021

Instrument ID: LC MS/MS

LC Column ID: C18

CS0 Data Filename: FC1L_080 S: 16

CS1 Data Filename: FC1L_080 S: 17

CS2 Data Filename: FC1L_080 S: 18

CS3 Data Filename: FC1L_080 S: 19

CS4 Data Filename: FC1L_080 S: 20

CS5 Data Filename: FC1L_080 S: 21

CS6 Data Filename: FC1L_080 S: 22

CS7 Data Filename: FC1L_080 S: 23

CS8 Data Filename: FC1L_080 S: 24

COMPOUND	LAB FLAG ¹	RELATIVE RESPONSE (RR)								MEAN RR	CV (%RSD) ²	
		CS0	CS1	CS2	CS3	CS4	CS5	CS6	CS7			CS8
PFBA		1.06	1.05	1.05	1.00	1.01	0.98	0.99	0.96	0.94	1.00	4.20
PFPeA		1.37	1.29	1.24	1.19	1.21	1.17	1.20	1.15	1.12	1.21	6.24
PFHxA		1.16	1.28	1.12	1.05	1.03	0.97	1.04	0.97	0.94	1.06	10.2
PFHpA		1.19	1.14	1.09	1.14	1.10	1.11	1.08	1.05	0.96	1.10	5.97
PFOA		1.57	1.71	1.56	1.40	1.43	1.41	1.37	1.39	1.32	1.46	8.45
PFNA		0.99	1.13	1.10	1.01	0.99	1.02	1.06	0.97	0.99	1.03	5.34
PFDA		0.89	0.87	0.91	0.82	0.83	0.83	0.84	0.83	0.72	0.84	6.35
PFUnA		0.76	0.78	0.88	0.69	0.76	0.74	0.75	0.75		0.76	7.31
PFDoA		1.02	1.34	1.15	1.05	1.09	1.04	1.08	0.99	0.86	1.07	12.1
PFTTrDA		0.97	0.93	0.92	0.86	0.83	0.81	0.82	0.61		0.84	13.1
PFTeDA		0.86	0.77	0.79	0.73	0.76	0.72	0.72	0.62		0.74	9.15
PFBS		1.24	1.18	1.13	1.14	1.21	1.14	1.16	1.11	1.10	1.16	4.01
PFPeS		0.96	1.07	1.12	1.04	1.03	1.02	1.01	0.88	0.77	0.99	10.8
PFHxS		1.26	1.23	1.21	1.20	1.14	1.15	1.15	1.08	1.14	1.17	4.74
PFHpS		1.11	1.07	1.14	1.10	1.09	1.12	1.05	1.05	1.10	1.09	2.81
PFOS		1.25	1.39	1.30	1.17	1.28	1.24	1.20	1.16	1.26	1.25	5.50
PFNS		1.31	1.22	1.18	1.17	1.25	1.18	1.18	1.10	1.10	1.19	5.56
PFDS		1.10	1.23	1.17	1.14	1.16	1.16	1.12	1.04	1.08	1.13	5.03
PFDoS		0.95	0.93	0.96	0.88	0.93	0.93	0.90	0.91	1.00	0.93	3.65
4:2 FTS		0.43	0.50	0.50	0.51	0.52	0.47	0.45	0.42		0.48	8.19
6:2 FTS		0.63	0.54	0.58	0.50	0.52	0.49	0.47	0.40		0.52	13.6
8:2 FTS		0.30	0.27	0.26	0.27	0.25	0.28	0.27	0.23		0.27	7.98
PFOSA		1.04	1.05	1.02	0.99	0.98	0.99	0.97	0.94		1.00	3.72
N-MeFOSA		1.09	1.26	1.14	1.11	1.12	1.09	1.10	0.98		1.11	6.86
N-EtFOSA		1.20	1.27	1.24	1.19	1.18	1.19	1.23	1.15	1.16	1.20	3.34
MeFOSAA		0.86	0.81	0.86	0.84	0.91	0.89	0.86	0.81	0.81	0.85	4.20
EtFOSAA		0.78	0.63	0.92	0.72	0.73	0.74	0.78	0.68		0.75	11.3
N-MeFOSE		1.14	1.16	1.16	1.11	1.12	1.10	1.09	1.03	0.98	1.10	5.47
N-EtFOSE		1.25	1.25	1.27	1.21	1.21	1.18	1.20	1.10	1.04	1.19	6.47
HFPO-DA		1.16	1.24	1.13	1.10	1.08	1.02	1.05	0.96		1.09	7.93
ADONA		7.27	7.33	6.94	6.75	7.00	6.76	7.15	6.93		7.02	3.07
9CI-PF3ONS		2.07	2.11	2.07	2.00	1.93	1.86	1.98	1.90		1.99	4.46
11CI-PF3OUdS		1.05	1.11	1.06	1.04	1.02	1.06	1.12	1.14		1.07	3.83
3:3 FTCA		0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.10		0.08	9.63
5:3 FTCA		0.19	0.18	0.17	0.17	0.16	0.16	0.17	0.17		0.17	6.49
7:3 FTCA		0.10	0.10	0.10	0.10	0.10	0.09	0.10	0.11		0.10	4.46
PFEESA		3.72	3.25	3.11	3.23	3.09	2.95	3.20	2.99	2.87	3.16	7.86
PFMPA		1.78	1.77	1.75	1.69	1.72	1.72	1.78	1.94	2.27	1.82	10.1

COMPOUND	LAB FLAG ¹	RELATIVE RESPONSE (RR)									MEAN RR	CV (%RSD) ²
		CS0	CS1	CS2	CS3	CS4	CS5	CS6	CS7	CS8		
PFMBA		2.48	2.43	2.35	2.30	2.32	2.33	2.26	2.60	2.81	2.43	7.22
NFDHA		0.05	0.04	0.04	0.04	0.05	0.05	0.04			0.04	17.6

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

(2) For contract CV specifications, see SGS AXYS METHOD MLA-110 Rev 02

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

Signed: _____ Henry Huang _____

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Report Filename: PFOA_FC_LC_22-Feb-2021_FC1L__Form3A_GS93139.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS METHOD MLA-110 Rev 02

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: 22-Feb-2021

CS0 Data Filename: FC1L_080 S: 16

CS1 Data Filename: FC1L_080 S: 17

Instrument ID: LC MS/MS

CS2 Data Filename: FC1L_080 S: 18

LC Column ID: C18

CS3 Data Filename: FC1L_080 S: 19

CS4 Data Filename: FC1L_080 S: 20

CS5 Data Filename: FC1L_080 S: 21

CS6 Data Filename: FC1L_080 S: 22

CS7 Data Filename: FC1L_080 S: 23

CS8 Data Filename: FC1L_080 S: 24

Labeled Compound	Lab Flag ¹	Relative Response (RR)								Mean RR	CV (%RSD) ²	
		CS0	CS1	CS2	CS3	CS4	CS5	CS6	CS7			CS8
13C4-PFBA		1.17	1.16	1.14	1.16	1.13	1.13	1.13	1.13	1.11	1.14	1.73
13C5-PFPeA		0.83	0.85	0.85	0.88	0.87	0.84	0.81	0.79	0.69	0.82	7.00
13C5-PFHxA		0.67	0.69	0.72	0.70	0.74	0.73	0.68	0.70	0.66	0.70	3.78
13C4-PFHpA		3.63	3.49	3.60	3.42	3.44	3.25	3.33	2.97	2.73	3.32	8.93
13C8-PFOA		3.82	3.60	3.79	3.80	3.79	3.66	3.71	3.61	3.76	3.73	2.31
13C9-PFNA		1.16	1.15	1.14	1.17	1.16	1.13	1.10	1.17	1.15	1.15	2.03
13C6-PFDA		1.13	1.06	0.97	1.06	0.99	0.99	0.92	1.02	0.90	1.01	7.22
13C7-PFUnA		1.23	1.22	1.07	1.22	1.08	1.08	0.99	0.84		1.09	12.2
13C2-PFDoA		1.04	0.95	0.90	0.92	0.94	0.93	0.89	0.98	0.91	0.94	5.00
13C2-PFTeDA		0.86	0.85	0.81	0.83	0.80	0.77	0.74	0.94	1.11	0.86	13.0
13C3-PFBS		1.33	1.36	1.31	1.41	1.25	1.29	1.31	1.00	0.99	1.25	12.1
13C3-PFHxS		1.20	1.16	1.10	1.15	1.12	1.15	1.17	1.16	1.05	1.14	3.86
13C8-PFOS		0.96	0.91	0.93	0.94	0.92	0.87	0.93	0.94	0.90	0.92	3.08
13C2-4:2 FTS		1.25	1.08	1.11	1.04	1.05	1.03	1.06	1.14	1.47	1.14	12.5
13C2-6:2 FTS		0.98	0.88	0.86	0.84	0.90	0.84	0.91	1.06		0.91	8.52
13C2-8:2 FTS		1.50	1.37	1.48	1.38	1.53	1.32	1.40	1.52		1.44	5.42
13C8-PFOA		1.84	1.83	1.86	1.78	1.80	1.74	1.82	2.08		1.84	5.54
D3-N-MeFOSA		0.29	0.28	0.28	0.27	0.28	0.27	0.27	0.32		0.28	6.63
D5-N-EtFOSA		0.28	0.28	0.28	0.27	0.28	0.26	0.27	0.30	0.33	0.28	6.96
D3-MeFOSAA		0.96	0.84	0.87	0.86	0.91	0.83	0.97	1.12	1.21	0.95	13.9
D5-EtFOSAA		0.82	0.76	0.72	0.74	0.77	0.70	0.77	1.00		0.78	12.0
d7-NMe-FOSE		1.93	1.87	1.80	1.81	1.86	1.76	1.81	1.95	2.09	1.88	5.39
d9-Net-FOSE		2.46	2.39	2.35	2.36	2.44	2.27	2.30	2.52	2.79	2.43	6.37
13C3-HFPO-DA		0.33	0.33	0.34	0.34	0.36	0.33	0.31	0.27		0.33	8.42

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

(2) For contract CV specifications, see SGS AXYS METHOD MLA-110 Rev 02.

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

Signed: _____ Henry Huang _____

SGS AXYS METHOD MLA-110 Rev 02

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: 22-Feb-2021

Instrument ID: LC MS/MS

LC Column ID: C18

CS0 Data Filename: FC1L_080 S: 16

CS1 Data Filename: FC1L_080 S: 17

CS2 Data Filename: FC1L_080 S: 18

CS3 Data Filename: FC1L_080 S: 19

CS4 Data Filename: FC1L_080 S: 20

CS5 Data Filename: FC1L_080 S: 21

CS6 Data Filename: FC1L_080 S: 22

CS7 Data Filename: FC1L_080 S: 23

CS8 Data Filename: FC1L_080 S: 24

COMPOUND	LAB FLAG ¹	RATIOS								
		CS0	CS1	CS2	CS3	CS4	CS5	CS6	CS7	CS8
PFBA										
PFPeA										
PFHxA		4.58	5.38	6.09	4.84	4.81	4.94	4.81	4.64	4.80
PFHpA		2.19	2.08	2.00	2.16	2.04	1.97	2.06	2.06	2.02
PFOA		1.85	2.15	2.04	1.95	2.03	2.00	1.96	2.06	2.02
PFNA		2.97	2.96	2.87	2.85	2.95	2.94	2.87	2.87	2.86
PFDA		3.23	3.02	3.02	3.06	3.07	3.16	2.96	3.21	3.03
PFUnA		4.29	4.50	4.89	4.31	4.74	4.28	4.73	4.49	
PFDaA		5.72	8.83	6.70	7.41	7.85	7.83	7.95	7.48	7.67
PFTTrDA		3.32	3.58	2.95	3.08	3.04	3.14	3.22	3.02	
PFTeDA		2.75	2.65	2.75	2.82	2.80	2.68	2.71	2.70	
PFBS		2.27	2.65	2.32	2.59	2.71	2.59	2.67	2.60	2.59
PFPeS		1.83	2.06	2.39	2.25	2.35	2.31	2.27	2.26	2.33
PFHxS		2.64	2.36	2.44	2.39	2.28	2.34	2.44	2.32	2.38
PFHpS		2.08	1.90	2.00	2.12	2.08	2.20	2.08	2.10	2.08
PFOS		2.29	2.51	2.55	2.58	2.67	2.70	2.60	2.59	2.66
PFNS		2.07	2.08	2.27	2.36	2.41	2.26	2.32	2.18	2.30
PFDS		2.08	2.80	2.21	2.35	2.38	2.17	2.36	2.18	2.30
PFDoS		2.31	2.11	2.33	2.23	2.18	2.26	2.25	2.27	2.28
4:2 FTS		0.38	0.41	0.44	0.43	0.45	0.46	0.43	0.45	
6:2 FTS		0.51	0.43	0.47	0.44	0.43	0.47	0.45	0.44	
8:2 FTS		0.58	0.48	0.55	0.57	0.53	0.57	0.54	0.54	
PFOSA										
N-MeFOSA		0.52	0.55	0.50	0.54	0.53	0.53	0.53	0.53	
N-EtFOSA		0.52	0.56	0.54	0.53	0.53	0.53	0.53	0.53	0.54
MeFOSAA		1.88	2.07	2.11	1.85	1.98	2.02	1.98	1.94	1.94
EtFOSAA		1.85	1.56	1.58	1.09	1.16	1.10	1.15	1.10	
N-MeFOSE										
N-EtFOSE										
HFPO-DA		2.58	3.07	2.82	2.87	2.67	2.50	2.63	2.75	
ADONA		1.15	1.12	1.08	1.08	1.20	1.11	1.13	1.06	
9CI-PF3ONS		3.24	3.13	3.02	3.20	3.02	3.04	3.13	3.07	
11CI-PF3OUdS		2.63	3.01	3.14	3.13	3.06	3.19	3.14	3.05	
3:3 FTCA		1.69	1.51	1.64	1.78	1.89	1.91	1.92	1.96	
5:3 FTCA		0.85	1.08	1.14	1.21	1.22	1.24	1.26	1.31	

COMPOUND	LAB FLAG ¹	RATIOS								
		CS0	CS1	CS2	CS3	CS4	CS5	CS6	CS7	CS8
7:3 FTCA		0.69	0.69	0.70	0.71	0.69	0.68	0.71	0.68	
PFEESA		8.11	7.52	8.32	9.28	8.69	8.99	9.71	9.18	9.28
PFMPA										
PFMBA										
NFDHA		0.83	1.08	1.12	0.95	1.69	1.32	1.19		

(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: _____ Henry Huang _____

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Report Filename: PFOA_FC_LC_22-Feb-2021_FC1L__Form3C_GS93139.html; Workgroup: WG77103; Design ID: 4329]

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: 22-Feb-2021

Instrument ID: LC MS/MS

LC Column ID: C18

CS0 Data Filename: FC1L_080 S: 16

CS1 Data Filename: FC1L_080 S: 17

CS2 Data Filename: FC1L_080 S: 18

CS3 Data Filename: FC1L_080 S: 19

CS4 Data Filename: FC1L_080 S: 20

CS5 Data Filename: FC1L_080 S: 21

CS6 Data Filename: FC1L_080 S: 22

CS7 Data Filename: FC1L_080 S: 23

CS8 Data Filename: FC1L_080 S: 24

LABELED COMPOUND	LAB FLAG ¹	RATIOS								
		CS0	CS1	CS2	CS3	CS4	CS5	CS6	CS7	CS8
13C4-PFBA										
13C5-PFPeA										
13C5-PFHxA		24.2	23.3	27.8	23.3	25.6	26.9	25.6	24.5	26.7
13C4-PFHpA										
13C8-PFOA										
13C9-PFNA										
13C6-PFDA										
13C7-PFUnA										
13C2-PFDoA										
13C2-PFTeDA										
13C3-PFBS		2.57	2.71	2.73	2.73	2.72	2.72	2.79	2.69	2.85
13C3-PFHxS		2.40	2.29	2.34	2.38	2.29	2.40	2.49	2.36	2.28
13C8-PFOS		2.08	2.05	2.09	2.33	2.09	2.15	2.22	2.37	2.14
13C2-4:2 FTS		1.84	1.90	1.74	1.62	1.51	1.55	1.25	0.54	0.24
13C2-6:2 FTS		1.93	2.03	1.87	1.87	1.80	1.74	1.44	0.71	
13C2-8:2 FTS		3.89	3.55	3.84	3.75	3.20	3.03	2.50	1.10	
13C8-PFOSA										
D3-N-MeFOSA										
D5-N-EtFOSA										
D3-MeFOSAA										
D5-EtFOSAA										
d7-NMe-FOSE										
d9-NEt-FOSE										
13C3-HFPO-DA		2.67	2.74	2.54	2.64	2.57	2.89	2.76	2.91	

(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: _____ Henry Huang _____

SGS AXYS METHOD MLA-110 Rev 02

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: 22-Feb-2021

VER Data Filename: FC1L_287 S: 39

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021

LC Column ID: C18

Analysis Time: 21:44:18

COMPOUND	LAB FLAG ¹	RRT	QUANT TRANSITION	RATIO	EXPECTED CONC. (ng)	CONC. FOUND (ng)	RECOVERY (%)
PFBA		1.005	213 > 169		20.0	19.7	98.7
PFPeA		1.000	263 > 219		10.0	10.1	101
PFHxA		0.999	313 > 269	5.60	5.00	4.82	96.4
PFFHpA		1.000	363 > 319	2.06	5.00	4.83	96.6
PFOA		1.001	413 > 369	1.88	5.00	4.58	91.7
PFNA		1.000	463 > 419	2.66	5.00	4.62	92.4
PFDA		1.000	513 > 469	3.10	5.00	4.87	97.3
PFOUnA		1.000	563 > 519	4.61	5.00	5.02	100
PFDaA		1.000	613 > 569	7.83	5.00	4.66	93.3
PFTTrDA		0.962	663 > 619	3.10	5.00	5.02	100
PFTTeDA		1.000	713 > 669	2.59	5.00	4.93	98.5
PFBS		1.000	299 > 80	3.22	5.00	5.95	119
PFPeS		0.890	349 > 80	2.30	5.01	4.83	96.3
PFHxS		1.001	399 > 80	2.47	5.00	4.68	93.7
PFFHpS		0.927	449 > 80	2.12	5.01	4.90	97.8
PFOS		1.000	499 > 80	2.71	5.00	4.69	93.8
PFNS		1.043	549 > 80	2.40	5.01	4.70	93.9
PFDS		1.074	599 > 80	2.22	5.00	4.51	90.2
PFDoS		1.160	699 > 80	2.29	5.01	4.58	91.4
4:2 FTS		1.000	327 > 307	0.46	20.0	18.0	90.1
6:2 FTS		0.999	427 > 407	0.46	18.0	17.4	96.9
8:2 FTS		1.000	527 > 507	0.57	20.0	21.5	108
PFOSA		1.001	498 > 78		5.00	4.89	97.8
N-MeFOSA		1.000	512 > 219	0.52	5.75	5.88	102
N-EtFOSA		1.001	526 > 219	0.55	12.5	12.6	101
MeFOSAA		1.000	570 > 419	2.07	5.00	5.20	104
EtFOSAA		1.001	584 > 419	1.27	5.00	4.99	99.9
N-MeFOSE		1.002	616 > 59		50.0	49.7	99.4
N-EtFOSE		1.002	630 > 59		37.5	37.1	99.1
HFPO-DA		1.000	285 > 169	4.50	19.0	29.6	156
ADONA		1.089	377 > 251	1.13	20.0	26.2	131
9CI-PF3ONS		0.968	531 > 351	3.06	20.0	25.3	126
11CI-PF3OUdS		1.033	631 > 451	3.16	20.0	24.0	120
3:3 FTCA		0.838	241 > 177	2.01	20.0	17.0	85.0
5:3 FTCA		1.046	341 > 237	1.51	125	110	87.9
7:3 FTCA		1.327	441 > 317	0.67	125	116	92.6
PFEESA		1.030	315 > 135	9.95	5.00	4.41	88.1
PFMPA		0.607	229 > 85		10.0	8.74	87.4
PFMBA		1.067	279 > 85		5.00	4.26	85.2
NFDHA		0.989	295 > 201	1.50	10.0	9.75	97.5

(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: _____ Bryan Alonzo _____

SGS AXYS METHOD MLA-110 Rev 02

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: 22-Feb-2021

VER Data Filename: FC1L_287 S: 39

Instrument ID: LCMS/MS

Analysis Date: 07-Jul-2021

LC Column ID: C18

Analysis Time: 21:44:18

LABELLED COMPOUND	LAB FLAG ¹	RRT	QUANT TRANSITION	RATIO	EXPECTED CONC. (ng)	CONC. FOUND (ng)	RECOVERY (%)
13C4-PFBA		0.995	217 > 172		40.0	39.8	99.5
13C5-PFPeA		0.869	268 > 223		20.0	23.2	116
13C5-PFHxA		1.000	318 > 273	26.5	10.0	11.4	114
13C4-PFHpA		0.897	367 > 322		10.0	12.6	126
13C8-PFOA		0.999	421 > 376		10.0	12.8	128
13C9-PFNA		1.001	472 > 427		5.00	5.44	109
13C6-PFDA		1.000	519 > 474		5.00	5.20	104
13C7-PFUnA		1.044	570 > 525		5.00	5.13	103
13C2-PFDoA		1.076	615 > 570		5.00	5.27	105
13C2-PFTeDA		1.154	715 > 670		5.00	4.49	89.8
13C3-PFBS		0.811	302 > 80	2.59	10.0	10.1	101
13C3-PFHxS		0.999	402 > 80	2.42	10.0	10.7	107
13C8-PFOS		1.000	507 > 80	2.19	10.1	10.6	106
13C2-4:2 FTS		0.850	329 > 81	1.80	20.2	20.7	103
13C2-6:2 FTS		1.002	429 > 81	2.01	20.0	20.5	102
13C2-8:2 FTS		1.261	529 > 81	3.31	20.0	19.0	94.9
13C8-PFOSA		1.146	506 > 78		10.0	10.6	106
D3-N-MeFOSA		1.335	515 > 219		10.0	8.45	84.5
D5-N-EtFOSA		1.371	531 > 219		10.0	8.80	88.0
D3-MeFOSAA		1.303	573 > 419		22.5	15.9	70.6
D5-EtFOSAA		1.325	589 > 419		20.0	15.9	79.6
d7-NMe-FOSE		1.318	623 > 59		100	93.1	93.1
d9-NEt-FOSE		1.356	639 > 59		100	91.7	91.7
13C3-HFPO-DA		1.027	287 > 169	1.97	40.0	34.4	85.9

(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: _____ Bryan Alonzo _____

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Report Filename: PFOA_FC_LC_FC1L_287S39__Form4B_SJ2927002.html; Workgroup: WG77103; Design ID: 4329]

SGS AXYS

Accreditation Scope				SGS AXYS Analytical Services Ltd.																	file ref.: ACC-101 Rev. 56																		
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum																							Tissue and Tissue Flora	Urine	Water	Water, Non-Potable	AFF								
				CALA	Alaska DEC	ANAB DoD **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoD **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	CALA	CALA	Alaska DEC	ANAB DoD **	ANAB ISO 17025	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB DoD **	ANAB ISO 17025
Compound Class	Compound	EPA 1699	MLA-028							Y									Y		Y																		
		SGS AXYS MLA-028	MLA-028	Y				Y	Y							Y			Y	Y				Y												Y			
		SGS AXYS MLA-007	MLA-007					Y	Y										Y				Y																
		SGS AXYS MLA-228	MLA-228					Y	Y							Y			Y	Y															Y				
	Alpha-HCH	EPA 625	MLA-007																												Y	Y	Y		Y				
		EPA 8270	MLA-007							Y	Y			Y	Y	Y																							
		EPA 1699	MLA-028							Y										Y											Y								
		SGS AXYS MLA-028	MLA-028	Y				Y	Y							Y			Y	Y				Y							Y					Y			
		SGS AXYS MLA-007	MLA-007					Y	Y										Y					Y															
		SGS AXYS MLA-228	MLA-228					Y	Y							Y			Y	Y											Y					Y			
	Beta-HCH	EPA 625	MLA-007																											Y	Y	Y		Y					
		EPA 8270	MLA-007							Y	Y			Y	Y	Y																							
		EPA 1699	MLA-028							Y																													
		SGS AXYS MLA-028	MLA-028	Y				Y	Y							Y			Y	Y				Y													Y		
		SGS AXYS MLA-007	MLA-007					Y	Y										Y					Y															
		SGS AXYS MLA-228	MLA-228					Y	Y							Y																							

Accreditation Scope
SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 56

Accreditation Scope				Serum	Solids											Tissue and Tissue Flora	Urine	Water	Water, Non-Potable	AFF										
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID			CALA	Alaska DEC	ANAB DoD **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP						New York DOH	Virginia DGS	Washington DE	ANAB DoD **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH
	Endrin aldehyde	SGS AXYS MLA-228	MLA-228					Y	Y							Y			Y	Y					Y	Y				
		EPA 608	MLA-007																											
		EPA 8081	MLA-007								Y	Y			Y	Y	Y								Y	Y				
		EPA 1699	MLA-028									Y										Y								
		SGS AXYS MLA-028	MLA-028	Y					Y	Y					Y					Y	Y			Y				Y		
		SGS AXYS MLA-007	MLA-007						Y	Y											Y									
	Endrin ketone	SGS AXYS MLA-228	MLA-228						Y	Y							Y			Y	Y			Y				Y		
		EPA 8081	MLA-007								Y				Y		Y													
		EPA 1699	MLA-028								Y																			
		SGS AXYS MLA-028	MLA-028	Y					Y	Y					Y					Y	Y			Y				Y		
		SGS AXYS MLA-007	MLA-007						Y	Y											Y									
		SGS AXYS MLA-228	MLA-228						Y	Y							Y			Y	Y			Y				Y		
	Gamma-HCH (Lindane)	EPA 625	MLA-007																							Y	Y			
		EPA 8270	MLA-007								Y	Y			Y	Y	Y								Y		Y			
		EPA 1699	MLA-028								Y											Y								
		SGS AXYS MLA-028	MLA-028	Y					Y	Y					Y					Y	Y			Y				Y		
		SGS AXYS MLA-007	MLA-007						Y	Y											Y									
		SGS AXYS MLA-228	MLA-228						Y	Y							Y			Y	Y			Y				Y		
	Heptachlor	EPA 625	MLA-007																							Y	Y	Y		
		EPA 8270	MLA-007								Y	Y			Y	Y	Y								Y		Y			
		EPA 1699	MLA-028								Y										Y									
		SGS AXYS MLA-028	MLA-028	Y					Y	Y					Y					Y	Y			Y				Y		
		SGS AXYS MLA-007	MLA-007						Y	Y											Y									
		SGS AXYS MLA-228	MLA-228						Y	Y							Y			Y	Y			Y				Y		
	Heptachlor epoxide	EPA 608	MLA-007																							Y	Y	Y		
		EPA 8081	MLA-007								Y	Y			Y	Y	Y								Y		Y			
		EPA 1699	MLA-028																		Y									
		SGS AXYS MLA-028	MLA-028	Y					Y	Y					Y					Y	Y			Y				Y		
		SGS AXYS MLA-007	MLA-007						Y	Y											Y									
		SGS AXYS MLA-228	MLA-228						Y	Y							Y			Y	Y			Y				Y		
	Hexachlorobenzene	EPA 1625	MLA-007																							Y	Y			
		EPA 8270	MLA-007								Y	Y			Y	Y	Y													
EPA 1699		MLA-028								Y										Y										
SGS AXYS MLA-028		MLA-028	Y						Y					Y					Y	Y			Y				Y			
SGS AXYS MLA-007		MLA-007						Y	Y											Y										
SGS AXYS MLA-228		MLA-228						Y	Y							Y			Y	Y			Y				Y			
Methoxychlor	EPA 608	MLA-007																							Y		Y			
	EPA 8081	MLA-007								Y	Y			Y	Y	Y														
	EPA 1699	MLA-028								Y															Y					
	SGS AXYS MLA-028	MLA-028	Y					Y	Y					Y					Y	Y			Y				Y			
	SGS AXYS MLA-007	MLA-007						Y	Y											Y										
	SGS AXYS MLA-228	MLA-228						Y	Y					Y					Y	Y			Y				Y			
Mirex	EPA 8270	MLA-007								Y				Y	Y	Y										Y	Y			
	EPA 1699	MLA-028								Y																				
	SGS AXYS MLA-028	MLA-028	Y					Y	Y					Y					Y	Y			Y				Y			
	SGS AXYS MLA-007	MLA-007						Y	Y											Y										
	SGS AXYS MLA-228	MLA-228						Y	Y					Y					Y	Y			Y				Y			
	EPA 8270	MLA-007								Y																				
Oxychlordane	EPA 1699	MLA-028								Y																				
	SGS AXYS MLA-028	MLA-028	Y					Y	Y					Y					Y	Y			Y				Y			
	SGS AXYS MLA-007	MLA-007						Y	Y											Y										
	SGS AXYS MLA-228	MLA-228						Y	Y					Y					Y	Y			Y				Y			
	EPA 8270	MLA-007								Y																				
	EPA 1699	MLA-028								Y																				
Toxaphene	SGS AXYS MLA-028	MLA-028	Y					Y	Y					Y					Y	Y			Y				Y			
	SGS AXYS MLA-007	MLA-007						Y	Y											Y										
	SGS AXYS MLA-228	MLA-228						Y	Y					Y					Y	Y			Y				Y			
	EPA 8270	MLA-007																												
	SGS AXYS MLA-007	MLA-007						Y												Y										
	EPA 8270	MLA-007								Y				Y						Y										
trans-Chlordane (gamma-Chlordane)	EPA 1699	MLA-028								Y				Y		Y									Y					
	SGS AXYS MLA-028	MLA-028	Y					Y	Y					Y					Y	Y			Y				Y			
	SGS AXYS MLA-007	MLA-007						Y	Y											Y										
	SGS AXYS MLA-228	MLA-228						Y	Y					Y					Y	Y			Y				Y			
	EPA 8270	MLA-007								Y																				
	EPA 1699	MLA-028								Y																				
trans-Nonachlor	SGS AXYS MLA-028	MLA-028	Y					Y	Y					Y					Y	Y			Y				Y			
	SGS AXYS MLA-007	MLA-007						Y	Y											Y										
	SGS AXYS MLA-228	MLA-228						Y	Y					Y					Y	Y			Y				Y			
	EPA 8270	MLA-007								Y				Y																
	EPA 1699	MLA-028								Y																				
	SGS AXYS MLA-028	MLA-028	Y					Y	Y					Y					Y	Y			Y				Y			

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Accreditation Scope				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 DoD **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoD **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB DoD **	ANAB ISO 17025
Compound Class	C1-Naphthalenes	SGS AXYS MLA-021	MLA-021					Y																				
	C1-Phenanthrenes/Anthracenes	SGS AXYS MLA-021	MLA-021					Y																				
	C2-Benz(a)anthracenes/Chrysenes	SGS AXYS MLA-021	MLA-021					Y																				
	C2-Benzofluoranthenes/ Benzopyrenes	SGS AXYS MLA-021	MLA-021					Y																				
	C2-Biphenyls	SGS AXYS MLA-021	MLA-021					Y																				
	C2-Dibenzothiophene	SGS AXYS MLA-021	MLA-021					Y																				
	C2-Fluoranthenes/Pyrenes	SGS AXYS MLA-021	MLA-021					Y																				
	C2-Fluorenes	SGS AXYS MLA-021	MLA-021					Y																				
	C2-Naphthalenes	SGS AXYS MLA-021	MLA-021					Y																				
	C2-Phenanthrenes/Anthracenes	SGS AXYS MLA-021	MLA-021					Y																				
	C3-Benz(a)anthracenes/Chrysenes	SGS AXYS MLA-021	MLA-021					Y																				
	C3-Dibenzothiophene	SGS AXYS MLA-021	MLA-021					Y																				
	C3-Fluoranthenes/Pyrenes	SGS AXYS MLA-021	MLA-021					Y																				
	C3-Fluorenes	SGS AXYS MLA-021	MLA-021					Y																				
	C3-Naphthalenes	SGS AXYS MLA-021	MLA-021					Y																				
	C3-Phenanthrenes/Anthracenes	SGS AXYS MLA-021	MLA-021					Y																				
	C4-Benz(a)anthracenes/Chrysenes	SGS AXYS MLA-021	MLA-021					Y																				
	C4-Dibenzothiophene	SGS AXYS MLA-021	MLA-021					Y																				
	C4-Fluoranthenes/Pyrenes	SGS AXYS MLA-021	MLA-021					Y																				
	C4-Naphthalenes	SGS AXYS MLA-021	MLA-021					Y																				
	C4-Phenanthrenes/Anthracenes	SGS AXYS MLA-021	MLA-021					Y																				
	Chrysene	EPA 1625	MLA-021								Y	Y		Y	Y										Y	Y		
		EPA 8270	MLA-021																Y									
		SGS AXYS MLA-021	MLA-021						Y	Y									Y	Y								
	Dibenz[a,h]anthracene	EPA 1625	MLA-021																							Y	Y	
		EPA 8270	MLA-021								Y	Y		Y	Y											Y	Y	
		SGS AXYS MLA-021	MLA-021						Y	Y									Y	Y								
	Dibenzothiophene	SGS AXYS MLA-021	MLA-021						Y																			
	Fluoranthene	EPA 1625	MLA-021																						Y	Y		
		EPA 8270	MLA-021								Y	Y		Y	Y											Y	Y	
		SGS AXYS MLA-021	MLA-021						Y	Y									Y	Y								
	Fluorene	EPA 1625	MLA-021																							Y	Y	
		EPA 8270	MLA-021								Y	Y		Y	Y											Y	Y	
		SGS AXYS MLA-021	MLA-021						Y	Y									Y	Y								
	Indeno[1,2,3-cd]pyrene	EPA 1625	MLA-021																						Y	Y		
		EPA 8270	MLA-021								Y	Y		Y	Y											Y	Y	
		SGS AXYS MLA-021	MLA-021						Y										Y	Y						Y		
	Naphthalene	EPA 1625	MLA-021																						Y	Y		
		EPA 8270	MLA-021								Y	Y		Y	Y											Y	Y	
		SGS AXYS MLA-021	MLA-021						Y	Y									Y	Y								
Perylene	SGS AXYS MLA-021	MLA-021						Y										Y										
Phenanthrene	EPA 1625	MLA-021																							Y	Y		
	EPA 8270	MLA-021								Y	Y		Y	Y														
	SGS AXYS MLA-021	MLA-021						Y	Y									Y	Y									
Pyrene	EPA 1625	MLA-021																						Y	Y			
	EPA 8270	MLA-021								Y	Y		Y	Y											Y	Y		
	SGS AXYS MLA-021	MLA-021						Y	Y									Y	Y						Y			
Retene	SGS AXYS MLA-021	MLA-021						Y																				
PBDPE	BDE 10 2,6-dibromodiphenylether	EPA 1614													Y											Y		
		SGS AXYS MLA-033						Y										Y										
	BDE 100 2,2',4,4',6-pentabromodiphenylether	EPA 1614													Y											Y		
		SGS AXYS MLA-033						Y										Y										
	BDE 105 2,3,3',4,4'-pentabromodiphenylether	EPA 1614													Y											Y		
		SGS AXYS MLA-033						Y										Y										
	BDE 11 3,3'-dibromodiphenylether	EPA 1614													Y											Y		
		SGS AXYS MLA-033						Y										Y										
	BDE 116 2,3,4,5,6-pentabromodiphenylether	EPA 1614													Y											Y		
		SGS AXYS MLA-033						Y										Y										
	BDE 119 2,3',4,4',6-pentabromodiphenylether	EPA 1614													Y											Y		
		SGS AXYS MLA-033						Y										Y										
BDE 12 3,4-dibromodiphenylether	EPA 1614													Y											Y			
	SGS AXYS MLA-033						Y										Y											
BDE 126 3,3',4,4',5-pentabromodiphenylether	EPA 1614													Y											Y			
	SGS AXYS MLA-033						Y										Y											

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids	Tissue and Tissue Flora	Urine	Water	Water, Non-Potable	AFF
				CALA	Alaska DEC ANAB DdD ** ANAB ISO 17025	CALA California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Virginia DGS Washington DE	ANAB DdD ** ANAB ISO 17025 CALA Florida DOH Minnesota DOH New Jersey DEP Virginia DGS	CALA CALA	Alaska DEC ANAB DdD ** ANAB ISO 17025 California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Pennsylvania DEP Virginia DGS Washington DE *	ANAB DdD ** ANAB ISO 17025
PCB 15 4,4'-Dichlorobiphenyl	PCB 15 4,4'-Dichlorobiphenyl	SGS AXYS MLA-007	MLA-007			Y	Y	Y		
		EPA 1668	MLA-010				Y	Y		
		EPA 8270	MLA-007				Y			
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y	
		SGS AXYS MLA-007	MLA-007		Y		Y	Y		
		SGS AXYS MLA-210	MLA-210		Y		Y			
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
		SGS AXYS MLA-010	MLA-010	Y		Y	Y	Y		
PCB 150 2,2',3,4',6,6'-Hexachlorobiphenyl	PCB 150 2,2',3,4',6,6'-Hexachlorobiphenyl	SGS AXYS MLA-210	MLA-210				Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
		SGS AXYS MLA-010	MLA-010	Y		Y	Y	Y		
		SGS AXYS MLA-210	MLA-210				Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
		SGS AXYS MLA-010	MLA-010	Y		Y	Y	Y		
PCB 151 2,2',3,5,5',6-Hexachlorobiphenyl	PCB 151 2,2',3,5,5',6-Hexachlorobiphenyl	SGS AXYS MLA-210	MLA-210				Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
		SGS AXYS MLA-010	MLA-010	Y		Y	Y	Y		
		SGS AXYS MLA-007	MLA-007			Y		Y		
		SGS AXYS MLA-210	MLA-210			Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
PCB 152 2,2',3,5,6,6'-Hexachlorobiphenyl	PCB 152 2,2',3,5,6,6'-Hexachlorobiphenyl	SGS AXYS MLA-010	MLA-010				Y		Y	Y
		SGS AXYS MLA-210	MLA-210				Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
		SGS AXYS MLA-010	MLA-010	Y		Y	Y	Y		
		SGS AXYS MLA-210	MLA-210				Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
PCB 153 2,2',4,4',5,5'-Hexachlorobiphenyl	PCB 153 2,2',4,4',5,5'-Hexachlorobiphenyl	SGS AXYS MLA-010	MLA-010				Y		Y	Y
		SGS AXYS MLA-210	MLA-210				Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
		SGS AXYS MLA-010	MLA-010	Y		Y	Y	Y		
		SGS AXYS MLA-007	MLA-007			Y		Y		
		SGS AXYS MLA-901	MLA-901	Y						
		SGS AXYS MLA-210	MLA-210			Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
PCB 154 2,2',4,4',5,6'-Hexachlorobiphenyl	PCB 154 2,2',4,4',5,6'-Hexachlorobiphenyl	SGS AXYS MLA-010	MLA-010				Y		Y	Y
		SGS AXYS MLA-210	MLA-210				Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
		SGS AXYS MLA-010	MLA-010	Y		Y	Y	Y		
		SGS AXYS MLA-210	MLA-210			Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
PCB 155 2,2',4,4',6,6'-Hexachlorobiphenyl	PCB 155 2,2',4,4',6,6'-Hexachlorobiphenyl	SGS AXYS MLA-010	MLA-010				Y		Y	Y
		SGS AXYS MLA-210	MLA-210				Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
		SGS AXYS MLA-010	MLA-010	Y		Y	Y	Y		
		SGS AXYS MLA-210	MLA-210			Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
PCB 156 2,3,3',4,4',5-Hexachlorobiphenyl	PCB 156 2,3,3',4,4',5-Hexachlorobiphenyl	SGS AXYS MLA-010	MLA-010				Y		Y	Y
		SGS AXYS MLA-210	MLA-210				Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
		SGS AXYS MLA-010	MLA-010	Y		Y	Y	Y		
		SGS AXYS MLA-210	MLA-210			Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
PCB 157 2,3,3',4,4',5'-Hexachlorobiphenyl	PCB 157 2,3,3',4,4',5'-Hexachlorobiphenyl	SGS AXYS MLA-010	MLA-010				Y		Y	Y
		SGS AXYS MLA-210	MLA-210				Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
		SGS AXYS MLA-010	MLA-010	Y		Y	Y	Y		
		SGS AXYS MLA-210	MLA-210			Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
PCB 158 2,3,3',4,4',6-Hexachlorobiphenyl	PCB 158 2,3,3',4,4',6-Hexachlorobiphenyl	SGS AXYS MLA-010	MLA-010				Y		Y	Y
		SGS AXYS MLA-210	MLA-210				Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
		SGS AXYS MLA-010	MLA-010	Y		Y	Y	Y		
		SGS AXYS MLA-210	MLA-210			Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
PCB 159 2,3,3',4,5,5'-Hexachlorobiphenyl	PCB 159 2,3,3',4,5,5'-Hexachlorobiphenyl	SGS AXYS MLA-010	MLA-010				Y		Y	Y
		SGS AXYS MLA-210	MLA-210				Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			
		SGS AXYS MLA-010	MLA-010	Y		Y	Y	Y		
		SGS AXYS MLA-210	MLA-210			Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y
		EPA 8270	MLA-007				Y			

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Accreditation Scope

SGS AXYS Analytical Services Ltd.

file ref.: ACC-101 Rev. 56

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids														Tissue and Tissue Flora					Urine	Water	Water, Non-Potable														AFF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
					CALA	Alaska DEC	ANAB DdO **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DdO **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP			Virginia DGS	Washington DE *	ANAB DdO **	ANAB ISO 17025																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	PCB 16 2,2',3-Trichlorobiphenyl	SGS AXYS MLA-908	MLA-908							Y								Y																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

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Accreditation Scope
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Accreditation Scope				Serum	Solids													Tissue and Tissue Flora	Urine	Water	Water, Non-Potable	AFF												
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID			CALA	Alaska DEC	ANAB DdD **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS						Washington DE	ANAB DdD **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB DdD **
		SGS AXYS MLA-010	MLA-010	Y				Y	Y										Y	Y														
		SGS AXYS MLA-007	MLA-007					Y																										
		SGS AXYS MLA-901	MLA-901	Y																														
		SGS AXYS MLA-210	MLA-210						Y		Y									Y		Y				Y	Y	Y	Y	Y	Y	Y		
		SGS AXYS MLA-908	MLA-908												Y	Y					Y				Y	Y	Y	Y	Y	Y	Y	Y		
	PCB 181 2,2',3,4,4',5,6-Heptachlorobiphenyl	SGS AXYS MLA-908	MLA-908																		Y				Y	Y	Y	Y	Y	Y	Y	Y		
		EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y							Y	Y		Y	Y	Y	Y	Y	Y		
		SGS AXYS MLA-010	MLA-010	Y					Y											Y														
		SGS AXYS MLA-210	MLA-210						Y		Y										Y		Y		Y	Y	Y	Y	Y	Y	Y	Y		
		SGS AXYS MLA-908	MLA-908												Y	Y					Y				Y	Y	Y	Y	Y	Y	Y	Y		
	PCB 182 2,2',3,4,4',5,6'-Heptachlorobiphenyl	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y							Y	Y		Y	Y	Y	Y	Y	Y	Y	
		SGS AXYS MLA-010	MLA-010	Y					Y		Y										Y													
		SGS AXYS MLA-210	MLA-210						Y		Y										Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	
		SGS AXYS MLA-908	MLA-908												Y	Y					Y				Y	Y	Y	Y	Y	Y	Y	Y	Y	
		SGS AXYS MLA-908	MLA-908												Y	Y					Y				Y	Y	Y	Y	Y	Y	Y	Y	Y	
	PCB 183 2,2',3,4,4',5',6'-Heptachlorobiphenyl	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y								Y	Y		Y	Y	Y	Y	Y	Y	
		EPA 8270	MLA-007														Y																	
		SGS AXYS MLA-010	MLA-010	Y					Y		Y										Y													
		SGS AXYS MLA-007	MLA-007						Y															Y										
		SGS AXYS MLA-210	MLA-210						Y		Y										Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	
	PCB 184 2,2',3,4,4',6,6'-Heptachlorobiphenyl	SGS AXYS MLA-908	MLA-908												Y	Y					Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	
		EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y								Y	Y		Y	Y	Y	Y	Y	Y	
		EPA 8270	MLA-007																															
		SGS AXYS MLA-010	MLA-010	Y					Y		Y										Y													
		SGS AXYS MLA-210	MLA-210						Y		Y										Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	
	PCB 185 2,2',3,4,5,5',6-Heptachlorobiphenyl	SGS AXYS MLA-908	MLA-908												Y	Y					Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	
		EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y								Y	Y		Y	Y	Y	Y	Y	Y	
		EPA 8270	MLA-007																															
		SGS AXYS MLA-010	MLA-010	Y					Y		Y										Y													
		SGS AXYS MLA-007	MLA-007						Y												Y													
	PCB 186 2,2',3,4,5,6,6'-Heptachlorobiphenyl	SGS AXYS MLA-210	MLA-210						Y		Y										Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	
		SGS AXYS MLA-908	MLA-908												Y	Y					Y				Y	Y	Y	Y	Y	Y	Y	Y	Y	
		EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y								Y	Y		Y	Y	Y	Y	Y	Y	
		EPA 8270	MLA-007																															
		SGS AXYS MLA-010	MLA-010	Y					Y		Y										Y				Y									
	PCB 187 2,2',3,4',5',6-Heptachlorobiphenyl	SGS AXYS MLA-210	MLA-210																		Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	
		SGS AXYS MLA-908	MLA-908												Y	Y					Y				Y	Y	Y	Y	Y	Y	Y	Y	Y	
		EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y								Y	Y		Y	Y	Y	Y	Y	Y	
		SGS AXYS MLA-010	MLA-010	Y					Y		Y										Y													
		SGS AXYS MLA-007	MLA-007						Y															Y										
	PCB 187/182	SGS AXYS MLA-210	MLA-210																		Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	
		SGS AXYS MLA-908	MLA-908												Y	Y					Y				Y	Y	Y	Y	Y	Y	Y	Y	Y	
		EPA 8270	MLA-007																															
		SGS AXYS MLA-010	MLA-010	Y					Y		Y										Y													
		SGS AXYS MLA-007	MLA-007																					Y										
	PCB 188 2,2',3,4',5,6,6'-Heptachlorobiphenyl	SGS AXYS MLA-210	MLA-210						Y		Y										Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	
		SGS AXYS MLA-908	MLA-908								Y										Y				Y	Y	Y	Y	Y	Y	Y	Y	Y	
		EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y								Y	Y		Y	Y	Y	Y	Y	Y	
		EPA 8270	MLA-007														Y																	
		SGS AXYS MLA-010	MLA-010	Y					Y		Y										Y													
PCB 189 2,3,3',4,4',5,5'-Heptachlorobiphenyl	SGS AXYS MLA-007	MLA-007						Y												Y														
	SGS AXYS MLA-210	MLA-210						Y		Y										Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		
	SGS AXYS MLA-908	MLA-908								Y				Y	Y					Y				Y	Y	Y	Y	Y	Y	Y	Y	Y		
	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y								Y	Y		Y	Y	Y	Y	Y	Y		
	SGS AXYS MLA-010	MLA-010	Y					Y		Y										Y														
PCB 19 2,2',6-Trichlorobiphenyl	SGS AXYS MLA-007	MLA-007																																
	SGS AXYS MLA-210	MLA-210						Y		Y										Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		
	SGS AXYS MLA-908	MLA-908								Y				Y	Y					Y				Y	Y	Y	Y	Y	Y	Y	Y	Y		
	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y								Y	Y		Y	Y	Y	Y	Y	Y		
	SGS AXYS MLA-010	MLA-010	Y					Y		Y																								

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue and Tissue Flora	Urine	Water	Water, Non-Potable	AFF											
						CALA	Alaska DEC	ANAB DdD **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DdD **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB DdD **
		EPA 8270	MLA-007																												
		SGS AXYS MLA-010	MLA-010	Y						Y	Y																				
		SGS AXYS MLA-007	MLA-007							Y																					
		SGS AXYS MLA-210	MLA-210							Y																					
	PCB 192 2,3,3',4,5,5',6-Heptachlorobiphenyl	SGS AXYS MLA-908	MLA-908																												
		EPA 1668	MLA-010																												
		SGS AXYS MLA-010	MLA-010	Y						Y	Y																				
		SGS AXYS MLA-210	MLA-210							Y																					
	PCB 193 2,3,3',4',5,5',6-Heptachlorobiphenyl	SGS AXYS MLA-908	MLA-908																												
		EPA 1668	MLA-010																												
		EPA 8270	MLA-007																												
		SGS AXYS MLA-010	MLA-010	Y						Y	Y																				
		SGS AXYS MLA-007	MLA-007																												
		SGS AXYS MLA-210	MLA-210							Y																					
		SGS AXYS MLA-908	MLA-908																												
		EPA 1668	MLA-010																												
	PCB 194 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	EPA 8270	MLA-007																												
		SGS AXYS MLA-010	MLA-010	Y						Y	Y																				
		SGS AXYS MLA-007	MLA-007																												
		SGS AXYS MLA-901	MLA-901	Y																											
		SGS AXYS MLA-210	MLA-210							Y																					
		SGS AXYS MLA-908	MLA-908																												
		EPA 1668	MLA-010																												
		EPA 8270	MLA-007																												
	PCB 195 2,2',3,3',4,4',5,6-Octachlorobiphenyl	SGS AXYS MLA-010	MLA-010	Y						Y	Y																				
		SGS AXYS MLA-007	MLA-007							Y																					
		SGS AXYS MLA-210	MLA-210							Y																					
		SGS AXYS MLA-908	MLA-908																												
	PCB 196 2,2',3,3',4,4',5,6'-Octachlorobiphenyl	EPA 1668	MLA-010																												
		EPA 8270	MLA-007																												
		SGS AXYS MLA-010	MLA-010	Y						Y	Y																				
		SGS AXYS MLA-007	MLA-007							Y																					
	PCB 196 2,2',3,3',4,4',5,6'-Octachlorobiphenyl	SGS AXYS MLA-210	MLA-210							Y																					
		SGS AXYS MLA-908	MLA-908																												
	PCB 197 2,2',3,3',4,4',6,6'-Octachlorobiphenyl	EPA 1668	MLA-010																												
		EPA 8270	MLA-007																												
		SGS AXYS MLA-010	MLA-010	Y						Y	Y																				
		SGS AXYS MLA-007	MLA-007							Y																					
	PCB 198 2,2',3,3',4,5,5',6-Octachlorobiphenyl	SGS AXYS MLA-210	MLA-210							Y																					
		SGS AXYS MLA-908	MLA-908																												
		EPA 1668	MLA-010							Y	Y																				
		EPA 8270	MLA-007																												
	PCB 199 2,2',3,3',4,5,5',6'-Octachlorobiphenyl	SGS AXYS MLA-010	MLA-010	Y						Y	Y																				
		SGS AXYS MLA-007	MLA-007																												
		SGS AXYS MLA-210	MLA-210							Y																					
		SGS AXYS MLA-908	MLA-908																												
	PCB 200 2,2',3,3',4,5,6,6'-Octachlorobiphenyl	EPA 1668	MLA-010																												
		EPA 8270	MLA-007																												
		SGS AXYS MLA-010	MLA-010	Y						Y	Y																				
		SGS AXYS MLA-007	MLA-007																												

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids	Tissue and Tissue Flora	Urine	Water	Water, Non-Potable	AFF	
				CALA	Alaska DEC ANAB DdD ** ANAB ISO 17025	CALA California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Virginia DGS Washington DE	ANAB DdD ** ANAB ISO 17025 CALA Florida DOH Minnesota DOH New Jersey DEP Virginia DGS	CALA	CALA	Alaska DEC ANAB DdD ** ANAB ISO 17025 California WB Florida DOH Maine DOH Minnesota DOH New Jersey DEP New York DOH Pennsylvania DEP Virginia DGS Washington DE *	ANAB DdD ** ANAB ISO 17025
PCB 201 2,2',3,3',4,5',6,6'-Octachlorobiphenyl		SGS AXYS MLA-210	MLA-210			Y	Y			Y	Y
		SGS AXYS MLA-908	MLA-908							Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-007	MLA-007			Y			Y		
		SGS AXYS MLA-210	MLA-210			Y		Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
PCB 202 2,2',3,3',5,5',6,6'-Octachlorobiphenyl		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-210	MLA-210			Y		Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y		Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-210	MLA-210			Y		Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-210	MLA-210			Y		Y		Y	Y
PCB 203 2,2',3,4,4',5,5',6-Octachlorobiphenyl		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-210	MLA-210			Y		Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-210	MLA-210			Y		Y		Y	Y
PCB 204 2,2',3,4,4',5,5',6-Octachlorobiphenyl		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-210	MLA-210			Y		Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-210	MLA-210			Y		Y		Y	Y
PCB 205 2,3,3',4,4',5,5',6-Octachlorobiphenyl		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-007	MLA-007			Y		Y		Y	Y
		SGS AXYS MLA-210	MLA-210			Y	Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
PCB 206 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl		SGS AXYS MLA-007	MLA-007			Y		Y		Y	Y
		SGS AXYS MLA-210	MLA-210			Y	Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-007	MLA-007			Y		Y		Y	Y
		SGS AXYS MLA-210	MLA-210			Y	Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
PCB 207 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl		SGS AXYS MLA-007	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-007	MLA-007			Y		Y		Y	Y
		SGS AXYS MLA-210	MLA-210			Y	Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-007	MLA-007			Y		Y		Y	Y
		SGS AXYS MLA-210	MLA-210			Y	Y	Y		Y	Y
PCB 208 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-007	MLA-007			Y		Y		Y	Y
		SGS AXYS MLA-210	MLA-210			Y	Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
PCB 209 Decachlorobiphenyl		SGS AXYS MLA-007	MLA-007			Y		Y		Y	Y
		SGS AXYS MLA-210	MLA-210			Y	Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-007	MLA-007			Y		Y		Y	Y
		SGS AXYS MLA-210	MLA-210			Y	Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
PCB 21 2,3,4-Trichlorobiphenyl		SGS AXYS MLA-007	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-210	MLA-210			Y	Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-007	MLA-007			Y		Y		Y	Y
		SGS AXYS MLA-210	MLA-210			Y	Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
PCB 22 2,3,4'-Trichlorobiphenyl		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-007	MLA-007			Y		Y		Y	Y
		SGS AXYS MLA-210	MLA-210			Y	Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-007	MLA-007			Y		Y		Y	Y
PCB 23 2,3,5-Trichlorobiphenyl		SGS AXYS MLA-210	MLA-210			Y	Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		EPA 8270	MLA-007								
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		
		SGS AXYS MLA-007	MLA-007			Y		Y		Y	Y
		SGS AXYS MLA-210	MLA-210			Y	Y	Y		Y	Y
		SGS AXYS MLA-908	MLA-908			Y	Y	Y		Y	Y
		EPA 1668	MLA-010			Y	Y	Y	Y	Y	Y
		SGS AXYS MLA-010	MLA-010	Y		Y	Y		Y		

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Accreditation Scope				Serum	Solids													Tissue and Tissue Flora	Urine	Water	Water, Non-Potable	AFF													
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID			CALA	Alaska DEC	ANAB DdD **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS						Washington DE	Alaska DEC	ANAB DdD **	ANAB ISO 17025	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *
	Compound	SGS AXYS MLA-210	MLA-210					Y		Y						Y																			
		SGS AXYS MLA-908	MLA-908								Y					Y	Y											Y	Y	Y	Y	Y	Y		
	PCB 23/34	EPA 8270	MLA-007													Y																			
	PCB 24 2,3,6-Trichlorobiphenyl	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y											Y	Y		Y	Y	Y		
		SGS AXYS MLA-010	MLA-010	Y						Y	Y									Y	Y							Y	Y		Y	Y	Y		
		SGS AXYS MLA-210	MLA-210							Y	Y										Y							Y	Y		Y	Y	Y		
		SGS AXYS MLA-908	MLA-908									Y					Y	Y				Y					Y	Y		Y	Y	Y	Y		
	PCB 24/27	EPA 8270	MLA-007														Y																		
		SGS AXYS MLA-007	MLA-007							Y										Y															
	PCB 25 2,3',4'-Trichlorobiphenyl	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y				Y							Y	Y		Y	Y	Y	Y	
		EPA 8270	MLA-007																																
		SGS AXYS MLA-010	MLA-010	Y						Y	Y									Y	Y							Y							
		SGS AXYS MLA-007	MLA-007							Y											Y														
		SGS AXYS MLA-210	MLA-210							Y	Y						Y					Y					Y	Y		Y	Y	Y	Y		
		SGS AXYS MLA-908	MLA-908								Y						Y	Y					Y				Y	Y		Y	Y	Y	Y		
	PCB 26 2,3',5'-Trichlorobiphenyl	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y										Y	Y		Y	Y	Y	Y		
		EPA 8270	MLA-007														Y										Y	Y		Y	Y	Y	Y	Y	
		SGS AXYS MLA-010	MLA-010	Y						Y	Y									Y	Y						Y								
		SGS AXYS MLA-007	MLA-007							Y												Y													
		SGS AXYS MLA-210	MLA-210							Y	Y						Y					Y					Y	Y		Y	Y	Y	Y	Y	
		SGS AXYS MLA-908	MLA-908									Y					Y	Y					Y			Y	Y		Y	Y	Y	Y	Y		
	PCB 27 2,3',6'-Trichlorobiphenyl	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y										Y	Y		Y	Y	Y	Y	Y	
		SGS AXYS MLA-010	MLA-010	Y						Y	Y									Y	Y						Y								
		SGS AXYS MLA-908	MLA-908								Y						Y					Y					Y								
		EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y									Y	Y		Y	Y	Y	Y	Y		
		SGS AXYS MLA-010	MLA-010	Y						Y	Y									Y	Y						Y								
		SGS AXYS MLA-210	MLA-210							Y	Y						Y					Y					Y								
	PCB 28 2,4,4'-Trichlorobiphenyl	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y										Y	Y		Y	Y	Y	Y		
		EPA 8270	MLA-007														Y										Y								
		SGS AXYS MLA-010	MLA-010	Y						Y	Y									Y	Y						Y								
		SGS AXYS MLA-007	MLA-007							Y												Y													
		SGS AXYS MLA-210	MLA-210							Y	Y						Y										Y								
		SGS AXYS MLA-908	MLA-908									Y					Y	Y								Y									
	PCB 29 2,4,5'-Trichlorobiphenyl	EPA 1668	MLA-010								Y				Y	Y	Y										Y								
		SGS AXYS MLA-010	MLA-010	Y						Y	Y									Y	Y						Y								
		SGS AXYS MLA-210	MLA-210							Y	Y						Y					Y					Y								
SGS AXYS MLA-908		MLA-908									Y					Y	Y								Y										
PCB 3 4-Chlorobiphenyl	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y										Y	Y		Y	Y	Y	Y			
	EPA 8270	MLA-007																																	
	SGS AXYS MLA-010	MLA-010	Y						Y	Y									Y	Y						Y									
	SGS AXYS MLA-210	MLA-210							Y	Y						Y										Y									
PCB 30 2,4,6'-Trichlorobiphenyl	SGS AXYS MLA-908	MLA-908														Y	Y									Y									
	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y										Y	Y		Y	Y	Y	Y			
	SGS AXYS MLA-010	MLA-010	Y						Y	Y									Y	Y						Y									
	SGS AXYS MLA-210	MLA-210							Y	Y						Y										Y									
PCB 31 2,4',5'-Trichlorobiphenyl	SGS AXYS MLA-908	MLA-908												Y	Y	Y									Y										
	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y									Y	Y		Y	Y	Y	Y	Y			
	EPA 8270	MLA-007														Y																			
	SGS AXYS MLA-010	MLA-010	Y						Y	Y									Y	Y						Y									
PCB 32 2,4',6'-Trichlorobiphenyl	SGS AXYS MLA-007	MLA-007																			Y														
	SGS AXYS MLA-210	MLA-210								Y						Y										Y									
	SGS AXYS MLA-908	MLA-908												Y	Y	Y									Y										
	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y									Y	Y		Y	Y	Y	Y	Y			
PCB 33 2,3',4'-Trichlorobiphenyl	SGS AXYS MLA-010	MLA-010	Y						Y	Y									Y	Y						Y									
	SGS AXYS MLA-210	MLA-210							Y	Y																Y									
	SGS AXYS MLA-908	MLA-908								Y						Y									Y										
	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y									Y	Y		Y	Y	Y	Y	Y			
PCB 33/20/21	SGS AXYS MLA-010	MLA-010																			Y														
	SGS AXYS MLA-007	MLA-007														Y																			
PCB 34 2,3',5'-Trichlorobiphenyl	SGS AXYS MLA-007	MLA-007							Y																										
	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y										Y	Y		Y						

Accreditation Scope				SGS AXYS Analytical Services Ltd.																file ref.: ACC-101 Rev. 56																			
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum																Tissue and Tissue Flora																AFFF			
				CALA	Alaska DEC	ANAB DoD **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoD **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	CALA	CALA	Alaska DEC	ANAB DoD **	ANAB ISO 17025	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB DoD **	ANAB ISO 17025
PCB 35 3,3',4-Trichlorobiphenyl	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y			Y				Y						Y										
	EPA 8270	MLA-007																																					
	SGS AXYS MLA-010	MLA-010		Y				Y	Y										Y	Y				Y					Y										
	SGS AXYS MLA-210	MLA-210						Y																					Y										
	SGS AXYS MLA-908	MLA-908							Y						Y	Y							Y						Y			Y	Y	Y	Y	Y	Y		
	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y				Y				Y					Y	Y									
	EPA 8270	MLA-007																																					
	SGS AXYS MLA-010	MLA-010		Y				Y	Y											Y	Y			Y															
	SGS AXYS MLA-210	MLA-210						Y	Y																														
	SGS AXYS MLA-908	MLA-908							Y						Y	Y							Y							Y			Y	Y	Y	Y	Y	Y	
PCB 36 3,3',5-Trichlorobiphenyl	EPA 1668	MLA-010								Y	Y		Y	Y	Y	Y				Y									Y	Y									
	EPA 8270	MLA-007																																					
	SGS AXYS MLA-010	MLA-010		Y				Y	Y											Y	Y			Y															
	SGS AXYS MLA-210	MLA-210							Y																														
	SGS AXYS MLA-908	MLA-908							Y						Y	Y							Y							Y			Y	Y	Y	Y	Y	Y	
PC																																							

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue and Tissue Flora	Urine	Water	Water, Non-Potable	AFF														
						CALA	Alaska DEC	ANAB DdD **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP						New York DOH	Virginia DGS	Washington DE	Alaska DEC	ANAB DdD **	ANAB ISO 17025	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS
		EPA 8270	MLA-007																															
		SGS AXYS MLA-010	MLA-010	Y					Y	Y											Y													
		SGS AXYS MLA-210	MLA-210						Y	Y					Y																			
		SGS AXYS MLA-908	MLA-908																															
	PCB 58 2,3,3',5'-Tetrachlorobiphenyl	EPA 1668	MLA-010										Y	Y		Y	Y	Y																
		EPA 8270	MLA-007																															
		SGS AXYS MLA-010	MLA-010	Y					Y	Y											Y													
		SGS AXYS MLA-210	MLA-210						Y	Y																								
	PCB 59 2,3,3',6-Tetrachlorobiphenyl	SGS AXYS MLA-908	MLA-908																															
		EPA 1668	MLA-010										Y	Y		Y	Y	Y																
		SGS AXYS MLA-010	MLA-010	Y					Y	Y											Y													
		SGS AXYS MLA-210	MLA-210						Y	Y																								
	PCB 6 2,3'-Dichlorobiphenyl	SGS AXYS MLA-908	MLA-908																															
		EPA 1668	MLA-010										Y	Y		Y	Y	Y																
		EPA 8270	MLA-007																															
		SGS AXYS MLA-010	MLA-010	Y					Y	Y											Y													
	PCB 60 2,3,4,4'-Tetrachlorobiphenyl	SGS AXYS MLA-210	MLA-210																															
		SGS AXYS MLA-908	MLA-908																															
		EPA 1668	MLA-010										Y	Y		Y	Y	Y																
		SGS AXYS MLA-010	MLA-010	Y					Y	Y											Y													
	PCB 61 2,3,4,5-Tetrachlorobiphenyl	SGS AXYS MLA-210	MLA-210																															
		SGS AXYS MLA-908	MLA-908																															
		EPA 1668	MLA-010										Y	Y		Y	Y	Y																
		SGS AXYS MLA-010	MLA-010	Y					Y	Y											Y													
	PCB 62 2,3,4,6-Tetrachlorobiphenyl	SGS AXYS MLA-210	MLA-210																															
		SGS AXYS MLA-908	MLA-908																															
		EPA 1668	MLA-010										Y	Y		Y	Y	Y																
		SGS AXYS MLA-010	MLA-010	Y					Y	Y											Y													
	PCB 62/65	SGS AXYS MLA-210	MLA-210																															
		SGS AXYS MLA-908	MLA-908																															
		EPA 1668	MLA-010										Y	Y		Y	Y	Y																
		SGS AXYS MLA-010	MLA-010	Y					Y	Y											Y													
	PCB 63 2,3,4',5-Tetrachlorobiphenyl	SGS AXYS MLA-210	MLA-210																															

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue and Tissue Flora	Urine	Water	Water, Non-Potable	AFF																
						ALA	Alaska DEC	ANAB DoD **	ANAB ISO 17025	ALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ALA	ALA	Alaska DEC	ANAB DoD **	ANAB ISO 17025	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB DoD **	ANAB ISO 17025		
	PCB 81 3,4,4',5-Tetrachlorobiphenyl	SGS AXYS MLA-908	MLA-908									Y					Y	Y																		
		EPA 1668	MLA-010									Y	Y		Y	Y	Y										Y	Y								
		EPA 8270	MLA-007																																	
		SGS AXYS MLA-010	MLA-010	Y						Y										Y																
	PCB 82 2,2',3,3',4'-Pentachlorobiphenyl	SGS AXYS MLA-210	MLA-210							Y																										
		SGS AXYS MLA-908	MLA-908									Y					Y											Y	Y							
		EPA 1668	MLA-010									Y	Y		Y	Y	Y										Y	Y								
		EPA 8270	MLA-007																																	
	PCB 83 2,2',3,3',5-Pentachlorobiphenyl	SGS AXYS MLA-010	MLA-010	Y						Y										Y																
		SGS AXYS MLA-210	MLA-210							Y																										
		SGS AXYS MLA-908	MLA-908									Y					Y											Y	Y							
		EPA 1668	MLA-010									Y	Y		Y	Y	Y										Y	Y								
	PCB 84 2,2',3,3',6-Pentachlorobiphenyl	SGS AXYS MLA-010	MLA-010	Y						Y										Y																
		SGS AXYS MLA-210	MLA-210							Y																										
		SGS AXYS MLA-908	MLA-908									Y					Y											Y	Y							
		EPA 8270	MLA-007																																	
	PCB 85 2,2',3,4,4'-Pentachlorobiphenyl	SGS AXYS MLA-007	MLA-007							Y										Y																
		EPA 1668	MLA-010									Y	Y		Y	Y	Y																			
		SGS AXYS MLA-010	MLA-010	Y						Y																										
		SGS AXYS MLA-210	MLA-210							Y																										
	PCB 86 2,2',3,4,5-Pentachlorobiphenyl	SGS AXYS MLA-908	MLA-908									Y					Y																			
		EPA 8270	MLA-007																																	
		SGS AXYS MLA-007	MLA-007							Y										Y																
		EPA 1668	MLA-010	Y						Y		Y	Y		Y	Y	Y											Y	Y							
	PCB 87 2,2',3,4,5'-Pentachlorobiphenyl	SGS AXYS MLA-010	MLA-010	Y						Y																										
		SGS AXYS MLA-210	MLA-210							Y																										
		SGS AXYS MLA-908	MLA-908									Y					Y																			
		EPA 8270	MLA-007																																	
	PCB 88 2,2',3,4,6-Pentachlorobiphenyl	SGS AXYS MLA-007	MLA-007							Y										Y																
		EPA 1668	MLA-010	Y								Y	Y		Y	Y	Y																			
		SGS AXYS MLA-010	MLA-010							Y																										
		SGS AXYS MLA-210	MLA-210							Y																										
	PCB 89 2,2',3,4,6'-Pentachlorobiphenyl	SGS AXYS MLA-908	MLA-908									Y					Y																			
		EPA 8270	MLA-007																																	
		SGS AXYS MLA-010	MLA-010	Y						Y		Y																								
		SGS AXYS MLA-210	MLA-210							Y																										
	PCB 9 2,5-Dichlorobiphenyl	SGS AXYS MLA-908	MLA-908									Y					Y																			
		EPA 1668	MLA-010	Y								Y																								
		SGS AXYS MLA-010	MLA-010							Y																										
		SGS AXYS MLA-210	MLA-210							Y																										
	PCB 90 2,2',3,4',5-Pentachlorobiphenyl	SGS AXYS MLA-908	MLA-908									Y					Y																			
		EPA 1668	MLA-010	Y								Y	Y		Y	Y	Y																			
		SGS AXYS MLA-010	MLA-010							Y																										
		SGS AXYS MLA-210	MLA-210							Y																										
	PCB 91 2,2',3,4',6-Pentachlorobiphenyl	SGS AXYS MLA-908	MLA-908									Y					Y																			
		EPA 1668	MLA-010									Y	Y		Y	Y	Y																			
		EPA 8270	MLA-007	Y																Y																
		SGS AXYS MLA-010	MLA-010							Y																										
	PCB 92 2,2',3,5,5'-Pentachlorobiphenyl	SGS AXYS MLA-007	MLA-007																																	
		EPA 1668	MLA-010	Y								Y	Y		Y	Y	Y																			
		SGS AXYS MLA-010	MLA-010							Y																										
		SGS AXYS MLA-210	MLA-210							Y																										

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Accreditation Scope

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids										Tissue and Tissue Flora										Urine	Water	Water, Non-Potable										AFF							
				CALA	Alaska DEC	ANAB DoD **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoD **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB DoD **	ANAB ISO 17025																
	Atenolol	SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Atorvastatin	SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Azithromycin	EPA 1694	MLA-075								Y																										Y							
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Benzoylcegonine	SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Benztropine	SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Betamethasone	SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Bisphenol A	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Caffeine	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Carbadox	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Carbamazepine	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Cefotaxime	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Chlortetracycline (CTC)	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Cimetidine	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Ciprofloxacin	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Clarithromycin	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Clinafloxacin	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Clonidine	SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Cloxacillin	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Cocaine	SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Codeine	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Cotinine	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	DEET (N,N-diethyl-m-toluamide)	SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Dehydronifedipine	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Demeclocycline	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Desmethyldiltiazem	SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Diazepam	SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Digoxigenin	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Digoxin	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Diltiazem	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Diphenhydramine	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Doxycycline	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Enalapril	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Enrofloxacin	EPA 1694	MLA-075								Y																									Y								
		SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Erythromycin	SGS AXYS MLA-075	MLA-075					Y																			Y																	
	Erythromycin anhydrate	EPA 1694	MLA-075								Y																									Y								
		EPA 1694	MLA-075								Y																									Y								
	Flumequine	SGS AXYS MLA-075	MLA-0																																									

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SGS AXYS Analytical Services Ltd.

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	Serum	Solids												Tissue and Tissue Flora							Urine	Water	Water, Non-Potable							AFF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
					Alaska DEC	ANAB D+D **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB D+D **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB D+D **	ANAB ISO 17025																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		SGS AXYS MLA-075	MLA-075				Y			Y																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

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Legend	
Y	Accreditation scope
AFFF	Aqueous film forming foam
BFR	Brominated flame retardants (non-PBDE)
BPA and mPE	Bisphenol A and mono-Phthalate Esters
OC Pesticides	Organochlorine Pesticides
PAH	Polycyclic Aromatic Hydrocarbons
PBDPE	Polybrominated diphenylethers
PCB	Polychlorinated Biphenyls
PCDDF	Polychlorinated dibenzodioxins/furans
PFAS	Per- and Polyfluoroalkyl Substances
PPCP	Pharmaceutical and Personal Care Products
TOP	Total Oxidizable Precursors
California WB	California Water Boards, Lab ID 2911
Florida DOH	Florida Department of Health, Lab ID E871007, (NELAC Standard)
Pennsylvania DEP	Pennsylvania Department of Environmental Protection
Minnesota DOH	Minnesota Department of Health, Lab ID 232-999-430, (NELAC Standard)
New Jersey DEP	New Jersey Department of Environmental Protection, Lab ID CANA005, (NELAC Standard)
New York DOH	New York Department of Health, Lab ID 11674, (NELAC Standard)
Washington DE	Washington Department of Ecology, Lab ID C404
Virginia DGS	Virginia Department of General Services, Division of Consolidated Laboratory Services, Lab ID 460224, (NELAC Standard)
Alaska DEC	Alaska Department of Environmental Conservation, Contaminated Sites Laboratory Approval 17-014
Maine DOH	Maine Center for Disease Control and Prevention, Department of Health and Human Services, Lab ID CN00003



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Accredited Method ID			SGS AXYS Method ID										Serum										Solids										Tissue and Tissue Flora										Urine										Water										Water, Non-Potable										AFF									
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	Alaska DEC	ANAB DoD **	ANAB ISO 17025	CALA	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	ANAB DoD **	ANAB ISO 17025	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	CALA	CALA	Alaska DEC	ANAB DoD **	ANAB ISO 17025	California WB	Florida DOH	Maine DOH	Minnesota DOH	New Jersey DEP	New York DOH	Pennsylvania DEP	Virginia DGS	Washington DE *	ANAB DoD **	ANAB ISO 17025																																											
ANAB DoD	ANSI National Accreditation Board, certificate ADE-1861, (US DoD QSM 5.3 Standard)			 Certificate ADE-1861																																																																														
CALA	Canadian Association for Laboratory Accreditation Inc., Lab ID A2637, (ISO/IEC 17025:2017 Standard)																																																																																	