SGS AXYS

2045 Mills Road West
Sidney, BC, Canada V8L5X2

TEL: (250) 655-5800
TOLL-FREE: 1-888-373-0881

SGS AXYS Client No.: 4972

Client Address: AECOM
1111 Third Avenue, Suite 1600
Seattle, WA, US, 98101

The SGS AXYS contact for these data is Sean Campbell.

BATCH SUMMARY

Batch ID: WG65146	***Date:*** 23-Oct-2018
Analysis Type: E1 Pesticide	***Matrix Type:*** Tissue

BATCH MAKEUP

Contract: 4972

Samples:

L29915-1	PDI-TF-SMB049
L29915-2	PDI-TF-SMB085
L29915-3	PDI-TF-SMB089
L29915-4	PDI-TF-SMB092
L29915-5	PDI-TF-SMB075
L29915-6	PDI-TF-SMB046
L29915-7	PDI-TF-SMB052
L29915-8	PDI-TF-SMB093
L29915-9	PDI-TF-SMB087
L29915-10	PDI-TF-SMB091
L29915-11	PDI-TF-SMB067
L29915-12	PDI-TF-SMB077
L29915-13	PDI-TF-SMB079
L29915-14	PDI-TF-SMB086
L29915-15	PDI-TF-SMB057
L29915-16	PDI-TF-SMB090
L29915-17	PDI-TF-SMB105
L29915-18	PDI-TF-SMB103
L29915-19	PDI-TF-SMB101
L29915-20	PDI-TF-SMB099

Blank: WG65146-101

Reference or Spike: WG65146-102

Duplicate: WG65146-103

Comments:

1. Data are considered final.
2. Data are not blank corrected. Blank data should be taken into consideration when evaluating sample data.
3. Blank data should be evaluated against specifications using the same blank sample size as the size of the client samples.
4. The percent recoveries of ^{13}C-4,4'-DDE, ^{13}C-4,4'-DDD, ^{13}C-2,4'-DDT, ^{13}C-4,4'-DDT were above the method upper control limits in sample 'PDI-TF-SMB090' (AXYS ID: L29915-16). The affected surrogates have been flagged with a 'V'. As the isotope dilution method of quantification produces data that are recovery corrected, the slight variances from the method acceptance criteria are deemed not to affect the quantification of these analytes. Percent surrogate recoveries are used as general method performance indicator only.

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February 2017

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB049
Sample Collection:
18-Aug-2018 12:29

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-1
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 13:37:00	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 69**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	5.93

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This test is not NELAP accredited. Sample results relate only to the sample tested.

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.71	0.0023 (Q)	1.27	1.000
Aldrin	309-00-2	K J	0.017	0.0046 (Q)	1.91	1.000
Chlordane, oxy-	27304-13-8		0.971	0.0046 (S)	1.66	1.001
Chlordane, gamma (trans)	5103-74-2		0.552	0.0063 (S)	1.25	1.001
Chlordane, alpha (cis)	5103-71-9		1.64	0.0065 (S)	1.28	1.026
Nonachlor, trans-	39765-80-5		5.24	0.0071 (S)	1.29	1.000
Nonachlor, cis-	5103-73-1		1.86	0.0058 (S)	1.26	1.001
2,4'-DDD	53-19-0		1.81	0.0089 (S)	1.65	0.951
4,4'-DDD	72-54-8		9.17	0.0114 (S)	1.69	1.001
2,4'-DDE	3424-82-6		0.749	0.0046 (Q)	1.56	1.001
4,4'-DDE	72-55-9	E				
2,4'-DDT	789-02-6		1.27	0.0125 (S)	1.67	1.001
4,4'-DDT	50-29-3		11.2	0.0135 (S)	1.69	1.001

(1) Where applicable, custom lab flags have been used on this report; K = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; J = concentration less than lowest calibration equivalent; E = exceeds calibrated linear range, see dilution data.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-1_Form1A_CL82_139S69_SJ2447744.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB049
Sample Collection:
18-Aug-2018 12:29

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-1
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 13:37:00	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 69**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ng absolute	**% Lipid:**	5.93

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	9.49	58.6	1.30	0.790
13C-Aldrin		16.0	10.8	67.5	1.63	1.031
13C-Chlordane, oxy		16.0	12.5	77.9	1.60	1.110
13C-Chlordane, gamma (trans)		16.0	12.8	80.0	1.29	0.837
13C-Nonachlor, trans-		16.0	13.0	81.2	1.26	0.866
13C-Nonachlor, cis-		16.3	12.0	73.7	1.20	0.954
13C-2,4'-DDE		16.0	13.6	85.0	1.60	0.844
13C-4,4'-DDE	X					
13C-4,4'-DDD		16.1	13.6	84.3	1.59	0.948
13C-2,4'-DDT		16.0	12.7	79.4	1.59	0.953
13C-4,4'-DDT		16.1	13.9	86.6	1.58	0.996

(1) Where applicable, custom lab flags have been used on this report; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-1_Form2_CL82_139S69_SJ2447744.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB049
Sample Collection:
18-Aug-2018 12:29

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-1 W
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 00:03:35	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 27**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	5.93

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This test is not NELAP accredited. Sample results relate only to the sample tested.

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1	X				
Aldrin	309-00-2	X				
Chlordane, oxy-	27304-13-8	X				
Chlordane, gamma (trans)	5103-74-2	X				
Chlordane, alpha (cis)	5103-71-9	X				
Nonachlor, trans-	39765-80-5	X				
Nonachlor, cis-	5103-73-1	X				
2,4'-DDD	53-19-0	X				
4,4'-DDD	72-54-8	X				
2,4'-DDE	3424-82-6	X				
4,4'-DDE	72-55-9	D	60.7	0.0300 (S)	1.58	1.001
2,4'-DDT	789-02-6	X				
4,4'-DDT	50-29-3	X				

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-1_Form1A_CL82_142S27_SJ2450221.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB049
Sample Collection:
18-Aug-2018 12:29

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-1 W
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 00:03:35	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 27**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	5.93

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This test is not NELAP accredited. Sample results relate only to the sample tested.

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene	X					
13C-Aldrin	X					
13C-Chlordane, oxy	X					
13C-Chlordane, gamma (trans)	X					
13C-Nonachlor, trans-	X					
13C-Nonachlor, cis-	X					
13C-2,4'-DDE	X					
13C-4,4'-DDE	D	16.4	15.0	91.7	1.60	0.889
13C-4,4'-DDD	X					
13C-2,4'-DDT	X					
13C-4,4'-DDT	X					

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-1_Form2_CL82_142S27_SJ2450221.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB085
Sample Collection:
18-Aug-2018 10:15

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-2
Matrix:	TISSUE	**Sample Size:**	9.87 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 14:14:36	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 70**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	5.46

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COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.17	0.0023 (Q)	1.29	1.000
Aldrin	309-00-2	J	0.006	0.0046 (Q)	1.44	1.001
Chlordane, oxy-	27304-13-8		0.695	0.0046 (Q)	1.67	1.000
Chlordane, gamma (trans)	5103-74-2		0.303	0.0051 (S)	1.22	1.002
Chlordane, alpha (cis)	5103-71-9		1.05	0.0052 (S)	1.24	1.026
Nonachlor, trans-	39765-80-5		3.97	0.0058 (S)	1.28	1.001
Nonachlor, cis-	5103-73-1		1.51	0.0054 (S)	1.25	1.001
2,4'-DDD	53-19-0		0.466	0.0069 (S)	1.67	0.951
4,4'-DDD	72-54-8		3.19	0.0088 (S)	1.68	1.000
2,4'-DDE	3424-82-6		0.201	0.0046 (Q)	1.58	1.001
4,4'-DDE	72-55-9		32.3	0.0046 (Q)	1.59	1.000
2,4'-DDT	789-02-6		0.243	0.0105 (S)	1.75	1.001
4,4'-DDT	50-29-3		3.47	0.0122 (S)	1.70	1.000

(1) Where applicable, custom lab flags have been used on this report; J = concentration less than lowest calibration equivalent.
(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: _____Ting Chen_____

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Report Filename: Pest_PEST_HI_E1HI_L29915-2_Form1A_CL82_139S70_SJ2447745.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB085
Sample Collection:
18-Aug-2018 10:15

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-2
Matrix:	TISSUE	**Sample Size:**	9.87 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 14:14:36	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 70**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ng absolute	**% Lipid:**	5.46

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	9.22	56.9	1.33	0.790
13C-Aldrin		16.0	11.2	69.8	1.64	1.031
13C-Chlordane, oxy		16.0	13.0	81.2	1.65	1.111
13C-Chlordane, gamma (trans)		16.0	14.4	89.8	1.26	0.837
13C-Nonachlor, trans-		16.0	14.5	90.6	1.28	0.866
13C-Nonachlor, cis-		16.3	13.3	81.6	1.26	0.954
13C-2,4'-DDE		16.0	14.6	91.5	1.57	0.844
13C-4,4'-DDE		16.4	16.0	97.4	1.59	0.889
13C-4,4'-DDD		16.1	14.3	88.8	1.55	0.949
13C-2,4'-DDT		16.0	13.2	82.7	1.55	0.953
13C-4,4'-DDT		16.1	13.1	81.2	1.57	0.996

(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-2_Form2_CL82_139S70_SJ2447745.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB089
Sample Collection:
18-Aug-2018 08:43

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-3 (A)
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 14:52:11	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 71**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	5.18

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.50	0.0023 (Q)	1.27	1.000
Aldrin	309-00-2	K J	0.014	0.0046 (Q)	2.08	1.001
Chlordane, oxy-	27304-13-8		0.839	0.0046 (Q)	1.62	1.001
Chlordane, gamma (trans)	5103-74-2		0.305	0.0082 (S)	1.31	1.001
Chlordane, alpha (cis)	5103-71-9		1.04	0.0084 (S)	1.30	1.026
Nonachlor, trans-	39765-80-5		4.63	0.0103 (S)	1.27	1.001
Nonachlor, cis-	5103-73-1		1.72	0.0047 (S)	1.22	1.000
2,4'-DDD	53-19-0		0.813	0.0068 (S)	1.66	0.951
4,4'-DDD	72-54-8		5.98	0.0087 (S)	1.70	1.001
2,4'-DDE	3424-82-6		0.285	0.0046 (Q)	1.58	1.001
4,4'-DDE	72-55-9	E				
2,4'-DDT	789-02-6		0.564	0.0096 (S)	1.68	1.001
4,4'-DDT	50-29-3		5.26	0.0108 (S)	1.66	1.001

(1) Where applicable, custom lab flags have been used on this report; K = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; J = concentration less than lowest calibration equivalent; E = exceeds calibrated linear range, see dilution data.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-3_Form1A_CL82_139S71_SJ2447746.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB089
Sample Collection:
18-Aug-2018 08:43

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-3 (A)
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 14:52:11	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 71**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ng absolute	**% Lipid:**	5.18

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	9.83	60.7	1.30	0.790
13C-Aldrin		16.0	12.2	76.3	1.68	1.031
13C-Chlordane, oxy		16.0	14.2	88.7	1.62	1.110
13C-Chlordane, gamma (trans)		16.0	15.4	96.2	1.29	0.837
13C-Nonachlor, trans-		16.0	15.2	94.7	1.28	0.865
13C-Nonachlor, cis-		16.3	13.4	82.3	1.31	0.954
13C-2,4'-DDE		16.0	15.8	99.0	1.58	0.844
13C-4,4'-DDE	X					
13C-4,4'-DDD		16.1	14.1	87.4	1.58	0.948
13C-2,4'-DDT		16.0	13.2	82.2	1.62	0.953
13C-4,4'-DDT		16.1	14.0	86.9	1.56	0.996

(1) Where applicable, custom lab flags have been used on this report; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-3_Form2_CL82_139S71_SJ2447746.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB089
Sample Collection:
18-Aug-2018 08:43

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-3 W (A)
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 01:18:29	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 29**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	5.18

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1	X				
Aldrin	309-00-2	X				
Chlordane, oxy-	27304-13-8	X				
Chlordane, gamma (trans)	5103-74-2	X				
Chlordane, alpha (cis)	5103-71-9	X				
Nonachlor, trans-	39765-80-5	X				
Nonachlor, cis-	5103-73-1	X				
2,4'-DDD	53-19-0	X				
4,4'-DDD	72-54-8	X				
2,4'-DDE	3424-82-6	X				
4,4'-DDE	72-55-9	D	52.1	0.0231 (S)	1.58	1.000
2,4'-DDT	789-02-6	X				
4,4'-DDT	50-29-3	X				

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-3_Form1A_CL82_142S29_SJ2450223.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB089
Sample Collection:
18-Aug-2018 08:43

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-3 W (A)
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 01:18:29	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 29**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	5.18

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene	X					
13C-Aldrin	X					
13C-Chlordane, oxy	X					
13C-Chlordane, gamma (trans)	X					
13C-Nonachlor, trans-	X					
13C-Nonachlor, cis-	X					
13C-2,4'-DDE	X					
13C-4,4'-DDE	D	16.4	15.6	95.2	1.65	0.889
13C-4,4'-DDD	X					
13C-2,4'-DDT	X					
13C-4,4'-DDT	X					

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-3_Form2_CL82_142S29_SJ2450223.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB089 (Duplicate)
Sample Collection:
18-Aug-2018 08:43

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	WG65146-103 (DUP L29915-3)
Matrix:	TISSUE	**Sample Size:**	10.2 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 15:29:42	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 72**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	5.47

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.59	0.0023 (Q)	1.27	1.000
Aldrin	309-00-2	J	0.013	0.0046 (Q)	1.75	1.001
Chlordane, oxy-	27304-13-8		0.904	0.0053 (S)	1.60	1.001
Chlordane, gamma (trans)	5103-74-2		0.324	0.0069 (S)	1.26	1.001
Chlordane, alpha (cis)	5103-71-9		1.09	0.0071 (S)	1.27	1.026
Nonachlor, trans-	39765-80-5		4.77	0.0085 (S)	1.27	1.001
Nonachlor, cis-	5103-73-1		1.85	0.0062 (S)	1.28	1.001
2,4'-DDD	53-19-0		0.852	0.0107 (S)	1.68	0.951
4,4'-DDD	72-54-8		6.25	0.0136 (S)	1.68	1.001
2,4'-DDE	3424-82-6		0.306	0.0046 (Q)	1.59	1.001
4,4'-DDE	72-55-9	X				
2,4'-DDT	789-02-6		0.592	0.0160 (S)	1.53	1.001
4,4'-DDT	50-29-3		5.67	0.0189 (S)	1.69	1.000

(1) Where applicable, custom lab flags have been used on this report; J = concentration less than lowest calibration equivalent; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_WG65146-103_Form1A_CL82_139S72_SJ2447747.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB089 (Duplicate)
Sample Collection:
18-Aug-2018 08:43

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	WG65146-103 (DUP L29915-3)
Matrix:	TISSUE	**Sample Size:**	10.2 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 15:29:42	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 72**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ng absolute	**% Lipid:**	5.47

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	11.6	71.7	1.32	0.789
13C-Aldrin		16.0	12.8	79.9	1.62	1.030
13C-Chlordane, oxy		16.0	14.2	88.9	1.72	1.109
13C-Chlordane, gamma (trans)		16.0	16.3	102	1.29	0.837
13C-Nonachlor, trans-		16.0	16.2	101	1.31	0.866
13C-Nonachlor, cis-		16.3	13.9	85.4	1.26	0.954
13C-2,4'-DDE		16.0	16.4	102	1.58	0.844
13C-4,4'-DDE	X					
13C-4,4'-DDD		16.1	14.7	91.4	1.54	0.949
13C-2,4'-DDT		16.0	14.0	87.8	1.59	0.953
13C-4,4'-DDT		16.1	13.4	82.9	1.63	0.996

(1) Where applicable, custom lab flags have been used on this report; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_WG65146-103_Form2_CL82_139S72_SJ2447747.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB089 (Duplicate)
Sample Collection:
18-Aug-2018 08:43

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	WG65146-103 W (DUP L29915-3)
Matrix:	TISSUE	**Sample Size:**	10.2 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 01:55:56	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 30**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	5.47

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1	X				
Aldrin	309-00-2	X				
Chlordane, oxy-	27304-13-8	X				
Chlordane, gamma (trans)	5103-74-2	X				
Chlordane, alpha (cis)	5103-71-9	X				
Nonachlor, trans-	39765-80-5	X				
Nonachlor, cis-	5103-73-1	X				
2,4'-DDD	53-19-0	X				
4,4'-DDD	72-54-8	X				
2,4'-DDE	3424-82-6	X				
4,4'-DDE	72-55-9	D	54.7	0.0227 (S)	1.59	1.000
2,4'-DDT	789-02-6	X				
4,4'-DDT	50-29-3	X				

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_WG65146-103_Form1A_CL82_142S30_SJ2450224.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB089 (Duplicate)
Sample Collection:
18-Aug-2018 08:43

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	WG65146-103 W (DUP L29915-3)
Matrix:	TISSUE	**Sample Size:**	10.2 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 01:55:56	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 30**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	5.47

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene	X					
13C-Aldrin	X					
13C-Chlordane, oxy	X					
13C-Chlordane, gamma (trans)	X					
13C-Nonachlor, trans-	X					
13C-Nonachlor, cis-	X					
13C-2,4'-DDE	X					
13C-4,4'-DDE	D	16.4	17.8	109	1.71	0.889
13C-4,4'-DDD	X					
13C-2,4'-DDT	X					
13C-4,4'-DDT	X					

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_WG65146-103_Form2_CL82_142S30_SJ2450224.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

PESTICIDE 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. PORTLAND HARBOR PDI AND BASELINE TISSUE

Contract No.: 4972

Client ID: PDI-TF-SMB089

Concentration Units: ug/kg (wet weight basis)

COMPOUND	L29915-3 (A)		WG65146-103		MEAN	RELATIVE PERCENT DIFFERENCE
	LAB FLAG [1]	CONC. FOUND	LAB FLAG [1]	CONC. FOUND		
Hexachlorobenzene		1.50		1.59	1.54	6.35
Aldrin	K J	0.014	J	0.013		
Chlordane, oxy-		0.839		0.904	0.872	7.46
Chlordane, gamma (trans)		0.305		0.324	0.315	6.04
Chlordane, alpha (cis)		1.04		1.09	1.06	4.04
Nonachlor, trans-		4.63		4.77	4.70	2.92
Nonachlor, cis-		1.72		1.85	1.79	7.22
2,4'-DDD		0.813		0.852	0.833	4.68
4,4'-DDD		5.98		6.25	6.11	4.35
2,4'-DDE		0.285		0.306	0.296	7.11
4,4'-DDE	D	52.1	D	54.7	53.4	4.92
2,4'-DDT		0.564		0.592	0.578	4.84
4,4'-DDT		5.26		5.67	5.46	7.54

(1) Where applicable, custom lab flags have been used on this report; K = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; D = dilution data; J = concentration less than lowest calibration equivalent.

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

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: 23-Oct-2018 13:06:05; Application: XMLTransformer-1.16.50;
Report Filename: RPD_PEST_HI_E1HI-RPD_WG65146-103_L29915-3_.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB092
Sample Collection:
18-Aug-2018 07:30

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-4
Matrix:	TISSUE	**Sample Size:**	9.97 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 16:07:13	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 73**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	7.75

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.93	0.0023 (Q)	1.27	1.000
Aldrin	309-00-2	J	0.015	0.0047 (Q)	1.49	1.000
Chlordane, oxy-	27304-13-8		0.770	0.0047 (Q)	1.64	1.000
Chlordane, gamma (trans)	5103-74-2		0.578	0.0050 (S)	1.27	1.001
Chlordane, alpha (cis)	5103-71-9		1.58	0.0051 (S)	1.28	1.026
Nonachlor, trans-	39765-80-5		4.15	0.0057 (S)	1.28	1.001
Nonachlor, cis-	5103-73-1		1.61	0.0060 (S)	1.22	1.001
2,4'-DDD	53-19-0		2.15	0.0056 (S)	1.69	0.951
4,4'-DDD	72-54-8		8.82	0.0071 (S)	1.68	1.001
2,4'-DDE	3424-82-6		0.758	0.0047 (Q)	1.59	1.000
4,4'-DDE	72-55-9	E				
2,4'-DDT	789-02-6		0.667	0.0087 (S)	1.71	1.001
4,4'-DDT	50-29-3		4.30	0.0096 (S)	1.69	1.001

(1) Where applicable, custom lab flags have been used on this report; J = concentration less than lowest calibration equivalent; E = exceeds calibrated linear range, see dilution data.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-4_Form1A_CL82_139S73_SJ2447748.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB092
Sample Collection:
18-Aug-2018 07:30

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-4
Matrix:	TISSUE	**Sample Size:**	9.97 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 16:07:13	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 73**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ng absolute	**% Lipid:**	7.75

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	7.94	49.0	1.29	0.790
13C-Aldrin		16.0	10.5	65.5	1.61	1.031
13C-Chlordane, oxy		16.0	13.8	86.2	1.64	1.110
13C-Chlordane, gamma (trans)		16.0	13.1	82.2	1.28	0.837
13C-Nonachlor, trans-		16.0	13.1	82.2	1.29	0.865
13C-Nonachlor, cis-		16.3	12.9	79.3	1.27	0.954
13C-2,4'-DDE		16.0	13.5	84.5	1.60	0.844
13C-4,4'-DDE	X					
13C-4,4'-DDD		16.1	15.2	94.2	1.55	0.948
13C-2,4'-DDT		16.0	13.1	81.6	1.58	0.953
13C-4,4'-DDT		16.1	14.1	87.7	1.58	0.996

(1) Where applicable, custom lab flags have been used on this report; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-4_Form2_CL82_139S73_SJ2447748.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB092
Sample Collection:
18-Aug-2018 07:30

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-4 W
Matrix:	TISSUE	**Sample Size:**	9.97 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 03:48:27	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 33**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	7.75

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1	X				
Aldrin	309-00-2	X				
Chlordane, oxy-	27304-13-8	X				
Chlordane, gamma (trans)	5103-74-2	X				
Chlordane, alpha (cis)	5103-71-9	X				
Nonachlor, trans-	39765-80-5	X				
Nonachlor, cis-	5103-73-1	X				
2,4'-DDD	53-19-0	X				
4,4'-DDD	72-54-8	X				
2,4'-DDE	3424-82-6	X				
4,4'-DDE	72-55-9	D	60.1	0.0356 (S)	1.59	1.001
2,4'-DDT	789-02-6	X				
4,4'-DDT	50-29-3	X				

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-4_Form1A_CL82_142S33_SJ2450227.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB092
Sample Collection:
18-Aug-2018 07:30

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-4 W
Matrix:	TISSUE	**Sample Size:**	9.97 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 03:48:27	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 33**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	7.75

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene	X					
13C-Aldrin	X					
13C-Chlordane, oxy	X					
13C-Chlordane, gamma (trans)	X					
13C-Nonachlor, trans-	X					
13C-Nonachlor, cis-	X					
13C-2,4'-DDE	X					
13C-4,4'-DDE	D	16.4	17.1	105	1.63	0.889
13C-4,4'-DDD	X					
13C-2,4'-DDT	X					
13C-4,4'-DDT	X					

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-4_Form2_CL82_142S33_SJ2450227.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB075
Sample Collection:
17-Aug-2018 09:48

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-5
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 16:44:48	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 74**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	6.77

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.70	0.0023 (Q)	1.26	1.000
Aldrin	309-00-2	K J	0.018	0.0046 (Q)	1.93	1.001
Chlordane, oxy-	27304-13-8		0.509	0.0046 (Q)	1.70	1.001
Chlordane, gamma (trans)	5103-74-2		0.534	0.0046 (Q)	1.27	1.001
Chlordane, alpha (cis)	5103-71-9		1.37	0.0046 (Q)	1.26	1.026
Nonachlor, trans-	39765-80-5		3.07	0.0046 (Q)	1.27	1.001
Nonachlor, cis-	5103-73-1		1.21	0.0049 (S)	1.25	1.001
2,4'-DDD	53-19-0		2.36	0.0062 (S)	1.67	0.951
4,4'-DDD	72-54-8		7.87	0.0079 (S)	1.68	1.001
2,4'-DDE	3424-82-6		0.553	0.0046 (Q)	1.55	1.000
4,4'-DDE	72-55-9	E				
2,4'-DDT	789-02-6		0.883	0.0096 (S)	1.69	1.001
4,4'-DDT	50-29-3		6.26	0.0100 (S)	1.68	1.001

(1) Where applicable, custom lab flags have been used on this report; K = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; J = concentration less than lowest calibration equivalent; E = exceeds calibrated linear range, see dilution data.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-5_Form1A_CL82_139S74_SJ2447749.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

CLIENT SAMPLE NO.
PDI-TF-SMB075
Sample Collection:
17-Aug-2018 09:48

Form 2

PESTICIDE ANALYSIS REPORT

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-5
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 16:44:48	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 74**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ng absolute	**% Lipid:**	6.77

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	9.37	57.9	1.34	0.790
13C-Aldrin		16.0	11.8	73.9	1.59	1.031
13C-Chlordane, oxy		16.0	12.7	79.7	1.61	1.110
13C-Chlordane, gamma (trans)		16.0	13.3	83.1	1.27	0.837
13C-Nonachlor, trans-		16.0	13.5	84.1	1.28	0.866
13C-Nonachlor, cis-		16.3	12.5	76.8	1.23	0.954
13C-2,4'-DDE		16.0	14.0	87.4	1.60	0.844
13C-4,4'-DDE	X					
13C-4,4'-DDD		16.1	14.6	90.7	1.55	0.948
13C-2,4'-DDT		16.0	13.1	81.6	1.58	0.953
13C-4,4'-DDT		16.1	15.0	93.4	1.56	0.996

(1) Where applicable, custom lab flags have been used on this report; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-5_Form2_CL82_139S74_SJ2447749.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB075
Sample Collection:
17-Aug-2018 09:48

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-5 W
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	17-Oct-2018 **Time:** 23:26:08	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 26**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	6.77

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COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1	X				
Aldrin	309-00-2	X				
Chlordane, oxy-	27304-13-8	X				
Chlordane, gamma (trans)	5103-74-2	X				
Chlordane, alpha (cis)	5103-71-9	X				
Nonachlor, trans-	39765-80-5	X				
Nonachlor, cis-	5103-73-1	X				
2,4'-DDD	53-19-0	X				
4,4'-DDD	72-54-8	X				
2,4'-DDE	3424-82-6	X				
4,4'-DDE	72-55-9	D	43.4	0.0180 (S)	1.59	1.001
2,4'-DDT	789-02-6	X				
4,4'-DDT	50-29-3	X				

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-5_Form1A_CL82_142S26_SJ2450220.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB075
Sample Collection:
17-Aug-2018 09:48

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-5 W
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	17-Oct-2018 **Time:** 23:26:08	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 26**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	6.77

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene	X					
13C-Aldrin	X					
13C-Chlordane, oxy	X					
13C-Chlordane, gamma (trans)	X					
13C-Nonachlor, trans-	X					
13C-Nonachlor, cis-	X					
13C-2,4'-DDE	X					
13C-4,4'-DDE	D	16.4	15.0	91.6	1.57	0.889
13C-4,4'-DDD	X					
13C-2,4'-DDT	X					
13C-4,4'-DDT	X					

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-5_Form2_CL82_142S26_SJ2450220.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB046
Sample Collection:
18-Aug-2018 13:50

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-6
Matrix:	TISSUE	**Sample Size:**	10.2 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 17:22:19	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 75**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	5.35

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.14	0.0023 (Q)	1.25	1.000
Aldrin	309-00-2	J	0.016	0.0046 (Q)	1.81	1.001
Chlordane, oxy-	27304-13-8		0.412	0.0054 (S)	1.63	1.001
Chlordane, gamma (trans)	5103-74-2		0.379	0.0046 (Q)	1.33	1.000
Chlordane, alpha (cis)	5103-71-9		0.993	0.0046 (Q)	1.25	1.026
Nonachlor, trans-	39765-80-5		3.35	0.0053 (S)	1.26	1.001
Nonachlor, cis-	5103-73-1		1.34	0.0046 (S)	1.23	1.001
2,4'-DDD	53-19-0		1.73	0.0090 (S)	1.69	0.951
4,4'-DDD	72-54-8		6.22	0.0115 (S)	1.67	1.000
2,4'-DDE	3424-82-6		0.454	0.0046 (Q)	1.55	1.001
4,4'-DDE	72-55-9	E				
2,4'-DDT	789-02-6		0.600	0.0130 (S)	1.75	1.001
4,4'-DDT	50-29-3		3.74	0.0153 (S)	1.65	1.001

(1) Where applicable, custom lab flags have been used on this report; J = concentration less than lowest calibration equivalent; E = exceeds calibrated linear range, see dilution data.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-6_Form1A_CL82_139S75_SJ2447750.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB046
Sample Collection:
18-Aug-2018 13:50

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-6
Matrix:	TISSUE	**Sample Size:**	10.2 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 17:22:19	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 75**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ng absolute	**% Lipid:**	5.35

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	10.1	62.2	1.30	0.790
13C-Aldrin		16.0	12.1	75.9	1.65	1.031
13C-Chlordane, oxy		16.0	14.3	89.2	1.64	1.110
13C-Chlordane, gamma (trans)		16.0	16.3	102	1.26	0.837
13C-Nonachlor, trans-		16.0	16.0	100	1.30	0.866
13C-Nonachlor, cis-		16.3	12.9	79.4	1.24	0.954
13C-2,4'-DDE		16.0	17.4	109	1.62	0.844
13C-4,4'-DDE	X					
13C-4,4'-DDD		16.1	14.9	92.5	1.57	0.949
13C-2,4'-DDT		16.0	13.6	84.9	1.56	0.953
13C-4,4'-DDT		16.1	14.0	87.0	1.59	0.996

(1) Where applicable, custom lab flags have been used on this report; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-6_Form2_CL82_139S75_SJ2447750.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB046
Sample Collection:
18-Aug-2018 13:50

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-6 W
Matrix:	TISSUE	**Sample Size:**	10.2 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 00:41:02	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 28**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	5.35

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1	X				
Aldrin	309-00-2	X				
Chlordane, oxy-	27304-13-8	X				
Chlordane, gamma (trans)	5103-74-2	X				
Chlordane, alpha (cis)	5103-71-9	X				
Nonachlor, trans-	39765-80-5	X				
Nonachlor, cis-	5103-73-1	X				
2,4'-DDD	53-19-0	X				
4,4'-DDD	72-54-8	X				
2,4'-DDE	3424-82-6	X				
4,4'-DDE	72-55-9	D	50.9	0.0320 (S)	1.58	1.001
2,4'-DDT	789-02-6	X				
4,4'-DDT	50-29-3	X				

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-6_Form1A_CL82_142S28_SJ2450222.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB046
Sample Collection:
18-Aug-2018 13:50

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-6 W
Matrix:	TISSUE	**Sample Size:**	10.2 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 00:41:02	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 28**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	5.35

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene	X					
13C-Aldrin	X					
13C-Chlordane, oxy	X					
13C-Chlordane, gamma (trans)	X					
13C-Nonachlor, trans-	X					
13C-Nonachlor, cis-	X					
13C-2,4'-DDE	X					
13C-4,4'-DDE	D	16.4	16.5	101	1.64	0.889
13C-4,4'-DDD	X					
13C-2,4'-DDT	X					
13C-4,4'-DDT	X					

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-6_Form2_CL82_142S28_SJ2450222.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB052
Sample Collection:
18-Aug-2018 11:22

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-7
Matrix:	TISSUE	**Sample Size:**	10.3 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 17:59:58	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 76**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	4.50

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		2.14	0.0023 (Q)	1.27	1.000
Aldrin	309-00-2	J	0.017	0.0045 (Q)	1.67	1.001
Chlordane, oxy-	27304-13-8		0.853	0.0058 (S)	1.63	1.001
Chlordane, gamma (trans)	5103-74-2		0.469	0.0052 (S)	1.30	1.001
Chlordane, alpha (cis)	5103-71-9		1.38	0.0053 (S)	1.29	1.026
Nonachlor, trans-	39765-80-5		4.75	0.0061 (S)	1.27	1.001
Nonachlor, cis-	5103-73-1		1.82	0.0045 (Q)	1.24	1.001
2,4'-DDD	53-19-0	X				
4,4'-DDD	72-54-8	E				
2,4'-DDE	3424-82-6		5.72	0.0079 (S)	1.58	1.000
4,4'-DDE	72-55-9	E				
2,4'-DDT	789-02-6	E				
4,4'-DDT	50-29-3	E				

(1) Where applicable, custom lab flags have been used on this report; J = concentration less than lowest calibration equivalent; X = result reported separately; E = exceeds calibrated linear range, see dilution data.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-7_Form1A_CL82_139S76_SJ2447751.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB052
Sample Collection:
18-Aug-2018 11:22

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-7
Matrix:	TISSUE	**Sample Size:**	10.3 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 17:59:58	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 76**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ng absolute	**% Lipid:**	4.50

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	7.97	49.2	1.33	0.790
13C-Aldrin		16.0	11.3	70.5	1.62	1.031
13C-Chlordane, oxy		16.0	12.8	80.1	1.60	1.110
13C-Chlordane, gamma (trans)		16.0	12.0	75.3	1.28	0.837
13C-Nonachlor, trans-		16.0	12.7	79.5	1.29	0.866
13C-Nonachlor, cis-		16.3	12.2	74.7	1.26	0.954
13C-2,4'-DDE		16.0	13.6	84.9	1.59	0.844
13C-4,4'-DDE	X					
13C-4,4'-DDD	X					
13C-2,4'-DDT	X					
13C-4,4'-DDT	X					

(1) Where applicable, custom lab flags have been used on this report; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-7_Form2_CL82_139S76_SJ2447751.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB052
Sample Collection:
18-Aug-2018 11:22

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-7 W
Matrix:	TISSUE	**Sample Size:**	10.3 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 04:26:07	**GC Column ID:**	DB5
Extract Volume (uL):	200	**Sample Data Filename:**	**CL82_142 S: 34**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	5	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	4.50

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1	X				
Aldrin	309-00-2	X				
Chlordane, oxy-	27304-13-8	X				
Chlordane, gamma (trans)	5103-74-2	X				
Chlordane, alpha (cis)	5103-71-9	X				
Nonachlor, trans-	39765-80-5	X				
Nonachlor, cis-	5103-73-1	X				
2,4'-DDD	53-19-0	D	11.1	0.0816 (S)	1.51	0.951
4,4'-DDD	72-54-8	D	53.7	0.105 (S)	1.56	1.001
2,4'-DDE	3424-82-6	X				
4,4'-DDE	72-55-9	D	169	0.0989 (S)	1.58	1.001
2,4'-DDT	789-02-6	D	53.9	0.119 (S)	1.54	1.001
4,4'-DDT	50-29-3	D	190	0.120 (S)	1.57	1.000

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-7_Form1A_CL82_142S34_SJ2450228.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

CLIENT SAMPLE NO.
PDI-TF-SMB052
Sample Collection:
18-Aug-2018 11:22

Form 2

PESTICIDE ANALYSIS REPORT

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-7 W
Matrix:	TISSUE	**Sample Size:**	10.3 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 04:26:07	**GC Column ID:**	DB5
Extract Volume (uL):	200	**Sample Data Filename:**	**CL82_142 S: 34**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	5	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	4.50

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene	X					
13C-Aldrin	X					
13C-Chlordane, oxy	X					
13C-Chlordane, gamma (trans)	X					
13C-Nonachlor, trans-	X					
13C-Nonachlor, cis-	X					
13C-2,4'-DDE	X					
13C-4,4'-DDE	D	16.4	17.5	107	1.60	0.889
13C-4,4'-DDD	D	16.1	18.1	113	1.59	0.948
13C-2,4'-DDT	D	16.0	16.5	103	1.51	0.953
13C-4,4'-DDT	D	16.1	19.0	118	1.51	0.996

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-7_Form2_CL82_142S34_SJ2450228.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB093
Sample Collection:
18-Aug-2018 08:13

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-8
Matrix:	TISSUE	**Sample Size:**	10.2 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 21:58:04	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 81**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	5.12

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		0.970	0.0023 (Q)	1.25	1.000
Aldrin	309-00-2	K J	0.008	0.0046 (Q)	2.00	1.000
Chlordane, oxy-	27304-13-8		0.431	0.0046 (Q)	1.66	1.000
Chlordane, gamma (trans)	5103-74-2	J	0.181	0.0046 (Q)	1.23	1.001
Chlordane, alpha (cis)	5103-71-9		0.585	0.0046 (Q)	1.22	1.026
Nonachlor, trans-	39765-80-5		2.57	0.0046 (Q)	1.29	1.001
Nonachlor, cis-	5103-73-1		0.964	0.0046 (Q)	1.25	1.001
2,4'-DDD	53-19-0		0.416	0.0046 (Q)	1.70	0.951
4,4'-DDD	72-54-8		3.23	0.0057 (S)	1.70	1.001
2,4'-DDE	3424-82-6		0.142	0.0046 (Q)	1.57	1.000
4,4'-DDE	72-55-9		31.4	0.0046 (Q)	1.56	1.000
2,4'-DDT	789-02-6		0.185	0.0063 (S)	1.72	1.001
4,4'-DDT	50-29-3		1.92	0.0066 (S)	1.73	1.001

(1) Where applicable, custom lab flags have been used on this report; K = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; J = concentration less than lowest calibration equivalent.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-8_Form1A_CL82_139S81_SJ2447756.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB093
Sample Collection:
18-Aug-2018 08:13

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-8
Matrix:	TISSUE	**Sample Size:**	10.2 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 21:58:04	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 81**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ng absolute	**% Lipid:**	5.12

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	8.84	54.6	1.30	0.790
13C-Aldrin		16.0	10.6	66.1	1.58	1.031
13C-Chlordane, oxy		16.0	13.2	82.6	1.55	1.110
13C-Chlordane, gamma (trans)		16.0	13.0	81.1	1.27	0.837
13C-Nonachlor, trans-		16.0	13.0	81.5	1.27	0.865
13C-Nonachlor, cis-		16.3	13.0	79.5	1.28	0.954
13C-2,4'-DDE		16.0	13.6	85.3	1.60	0.844
13C-4,4'-DDE		16.4	15.3	93.0	1.59	0.889
13C-4,4'-DDD		16.1	13.7	84.9	1.57	0.948
13C-2,4'-DDT		16.0	13.2	82.4	1.60	0.953
13C-4,4'-DDT		16.1	14.8	91.7	1.57	0.996

(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-8_Form2_CL82_139S81_SJ2447756.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB087
Sample Collection:
18-Aug-2018 09:37

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-9
Matrix:	TISSUE	**Sample Size:**	10.0 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 22:35:32	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 82**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	6.17

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.78	0.0023 (Q)	1.27	1.000
Aldrin	309-00-2	K J	0.011	0.0046 (Q)	1.87	1.000
Chlordane, oxy-	27304-13-8		0.801	0.0047 (S)	1.70	1.001
Chlordane, gamma (trans)	5103-74-2		0.506	0.0046 (Q)	1.27	1.001
Chlordane, alpha (cis)	5103-71-9		1.47	0.0046 (Q)	1.25	1.026
Nonachlor, trans-	39765-80-5		4.60	0.0046 (Q)	1.24	1.001
Nonachlor, cis-	5103-73-1		1.65	0.0051 (S)	1.29	1.001
2,4'-DDD	53-19-0		1.08	0.0057 (S)	1.66	0.951
4,4'-DDD	72-54-8		6.03	0.0073 (S)	1.68	1.001
2,4'-DDE	3424-82-6		0.424	0.0046 (Q)	1.56	1.001
4,4'-DDE	72-55-9	E				
2,4'-DDT	789-02-6		0.565	0.0084 (S)	1.66	1.000
4,4'-DDT	50-29-3		6.31	0.0083 (S)	1.67	1.001

(1) Where applicable, custom lab flags have been used on this report; K = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; J = concentration less than lowest calibration equivalent; E = exceeds calibrated linear range, see dilution data.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-9_Form1A_CL82_139S82_SJ2447757.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

CLIENT SAMPLE NO.
PDI-TF-SMB087
Sample Collection:
18-Aug-2018 09:37

Form 2

PESTICIDE ANALYSIS REPORT

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-9
Matrix:	TISSUE	**Sample Size:**	10.0 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 22:35:32	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 82**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ng absolute	**% Lipid:**	6.17

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	9.00	55.6	1.33	0.790
13C-Aldrin		16.0	10.7	66.9	1.64	1.031
13C-Chlordane, oxy		16.0	12.7	79.7	1.65	1.110
13C-Chlordane, gamma (trans)		16.0	13.0	81.2	1.26	0.837
13C-Nonachlor, trans-		16.0	12.7	79.6	1.35	0.865
13C-Nonachlor, cis-		16.3	13.0	79.8	1.28	0.954
13C-2,4'-DDE		16.0	13.3	83.0	1.59	0.844
13C-4,4'-DDE	X					
13C-4,4'-DDD		16.1	14.7	91.2	1.59	0.948
13C-2,4'-DDT		16.0	13.1	82.2	1.57	0.953
13C-4,4'-DDT		16.1	15.8	98.4	1.57	0.996

(1) Where applicable, custom lab flags have been used on this report; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-9_Form2_CL82_139S82_SJ2447757.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB087
Sample Collection:
18-Aug-2018 09:37

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-9 W
Matrix:	TISSUE	**Sample Size:**	10.0 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 03:11:01	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 32**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	6.17

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1	X				
Aldrin	309-00-2	X				
Chlordane, oxy-	27304-13-8	X				
Chlordane, gamma (trans)	5103-74-2	X				
Chlordane, alpha (cis)	5103-71-9	X				
Nonachlor, trans-	39765-80-5	X				
Nonachlor, cis-	5103-73-1	X				
2,4'-DDD	53-19-0	X				
4,4'-DDD	72-54-8	X				
2,4'-DDE	3424-82-6	X				
4,4'-DDE	72-55-9	D	55.4	0.0335 (S)	1.60	1.001
2,4'-DDT	789-02-6	X				
4,4'-DDT	50-29-3	X				

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-9_Form1A_CL82_142S32_SJ2450226.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB087
Sample Collection:
18-Aug-2018 09:37

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-9 W
Matrix:	TISSUE	**Sample Size:**	10.0 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 03:11:01	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 32**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	6.17

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene	X					
13C-Aldrin	X					
13C-Chlordane, oxy	X					
13C-Chlordane, gamma (trans)	X					
13C-Nonachlor, trans-	X					
13C-Nonachlor, cis-	X					
13C-2,4'-DDE	X					
13C-4,4'-DDE	D	16.4	15.3	93.5	1.63	0.889
13C-4,4'-DDD	X					
13C-2,4'-DDT	X					
13C-4,4'-DDT	X					

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-9_Form2_CL82_142S32_SJ2450226.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB091
Sample Collection:
18-Aug-2018 07:32

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-10
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 23:12:59	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 83**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	4.56

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.02	0.0023 (Q)	1.26	1.001
Aldrin	309-00-2	K J	0.007	0.0046 (Q)	2.08	1.001
Chlordane, oxy-	27304-13-8		0.448	0.0046 (Q)	1.71	1.001
Chlordane, gamma (trans)	5103-74-2	J	0.185	0.0054 (S)	1.23	1.000
Chlordane, alpha (cis)	5103-71-9		0.601	0.0056 (S)	1.27	1.026
Nonachlor, trans-	39765-80-5		2.76	0.0067 (S)	1.29	1.001
Nonachlor, cis-	5103-73-1		0.990	0.0046 (Q)	1.27	1.001
2,4'-DDD	53-19-0		0.349	0.0077 (S)	1.64	0.951
4,4'-DDD	72-54-8		3.76	0.0099 (S)	1.69	1.000
2,4'-DDE	3424-82-6		0.216	0.0046 (Q)	1.58	1.001
4,4'-DDE	72-55-9		37.7	0.0046 (Q)	1.58	1.000
2,4'-DDT	789-02-6		0.128	0.0110 (S)	1.85	1.001
4,4'-DDT	50-29-3		2.31	0.0123 (S)	1.66	1.000

(1) Where applicable, custom lab flags have been used on this report; K = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; J = concentration less than lowest calibration equivalent.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-10_Form1A_CL82_139S83_SJ2447758.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB091
Sample Collection:
18-Aug-2018 07:32

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-10
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 23:12:59	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 83**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ng absolute	**% Lipid:**	4.56

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	8.70	53.7	1.30	0.790
13C-Aldrin		16.0	10.4	64.9	1.66	1.031
13C-Chlordane, oxy		16.0	12.9	80.6	1.61	1.110
13C-Chlordane, gamma (trans)		16.0	13.2	82.6	1.33	0.837
13C-Nonachlor, trans-		16.0	13.2	82.3	1.28	0.866
13C-Nonachlor, cis-		16.3	14.0	86.0	1.24	0.954
13C-2,4'-DDE		16.0	14.6	91.0	1.62	0.844
13C-4,4'-DDE		16.4	15.9	97.2	1.59	0.889
13C-4,4'-DDD		16.1	14.6	90.8	1.57	0.949
13C-2,4'-DDT		16.0	14.1	88.3	1.54	0.953
13C-4,4'-DDT		16.1	15.0	92.9	1.57	0.996

(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-10_Form2_CL82_139S83_SJ2447758.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB067
Sample Collection:
17-Aug-2018 09:10

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-11
Matrix:	TISSUE	**Sample Size:**	10.2 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 23:50:35	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 84**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	7.37

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.92	0.0023 (Q)	1.25	1.000
Aldrin	309-00-2	J	0.016	0.0046 (Q)	1.85	1.001
Chlordane, oxy-	27304-13-8		0.750	0.0050 (S)	1.64	1.001
Chlordane, gamma (trans)	5103-74-2		0.566	0.0068 (S)	1.28	1.001
Chlordane, alpha (cis)	5103-71-9		1.53	0.0070 (S)	1.26	1.026
Nonachlor, trans-	39765-80-5		3.94	0.0082 (S)	1.28	1.001
Nonachlor, cis-	5103-73-1		1.49	0.0052 (S)	1.27	1.001
2,4'-DDD	53-19-0		1.51	0.0058 (S)	1.68	0.951
4,4'-DDD	72-54-8		6.40	0.0074 (S)	1.69	1.001
2,4'-DDE	3424-82-6		0.562	0.0046 (Q)	1.57	1.000
4,4'-DDE	72-55-9	E				
2,4'-DDT	789-02-6		0.552	0.0086 (S)	1.73	1.001
4,4'-DDT	50-29-3		4.16	0.0090 (S)	1.67	1.001

(1) Where applicable, custom lab flags have been used on this report; J = concentration less than lowest calibration equivalent; E = exceeds calibrated linear range, see dilution data.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-11_Form1A_CL82_139S84_SJ2447759.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB067
Sample Collection:
17-Aug-2018 09:10

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-11
Matrix:	TISSUE	**Sample Size:**	10.2 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 23:50:35	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 84**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ng absolute	**% Lipid:**	7.37

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		32.4	18.1	55.8	1.33	0.790
13C-Aldrin		32.0	24.0	74.9	1.63	1.031
13C-Chlordane, oxy		32.0	29.5	92.2	1.65	1.110
13C-Chlordane, gamma (trans)		32.0	26.6	83.2	1.30	0.837
13C-Nonachlor, trans-		32.0	27.1	84.7	1.27	0.866
13C-Nonachlor, cis-		32.6	26.9	82.5	1.24	0.954
13C-2,4'-DDE		32.0	28.3	88.5	1.57	0.844
13C-4,4'-DDE	X					
13C-4,4'-DDD		32.2	29.8	92.5	1.54	0.948
13C-2,4'-DDT		32.0	26.8	83.6	1.57	0.953
13C-4,4'-DDT		32.2	30.8	95.8	1.54	0.996

(1) Where applicable, custom lab flags have been used on this report; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-11_Form2_CL82_139S84_SJ2447759.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB067
Sample Collection:
17-Aug-2018 09:10

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-11 W
Matrix:	TISSUE	**Sample Size:**	10.2 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	17-Oct-2018 **Time:** 22:48:38	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 25**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	7.37

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1	X				
Aldrin	309-00-2	X				
Chlordane, oxy-	27304-13-8	X				
Chlordane, gamma (trans)	5103-74-2	X				
Chlordane, alpha (cis)	5103-71-9	X				
Nonachlor, trans-	39765-80-5	X				
Nonachlor, cis-	5103-73-1	X				
2,4'-DDD	53-19-0	X				
4,4'-DDD	72-54-8	X				
2,4'-DDE	3424-82-6	X				
4,4'-DDE	72-55-9	D	52.9	0.0280 (S)	1.59	1.001
2,4'-DDT	789-02-6	X				
4,4'-DDT	50-29-3	X				

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-11_Form1A_CL82_142S25_SJ2450219.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB067
Sample Collection:
17-Aug-2018 09:10

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-11 W
Matrix:	TISSUE	**Sample Size:**	10.2 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	17-Oct-2018 **Time:** 22:48:38	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 25**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	7.37

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene	X					
13C-Aldrin	X					
13C-Chlordane, oxy	X					
13C-Chlordane, gamma (trans)	X					
13C-Nonachlor, trans-	X					
13C-Nonachlor, cis-	X					
13C-2,4'-DDE	X					
13C-4,4'-DDE	D	32.8	31.9	97.2	1.61	0.889
13C-4,4'-DDD	X					
13C-2,4'-DDT	X					
13C-4,4'-DDT	X					

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-11_Form2_CL82_142S25_SJ2450219.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB077
Sample Collection:
17-Aug-2018 13:05

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-12 i
Matrix:	TISSUE	**Sample Size:**	9.97 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	17-Oct-2018 **Time:** 20:55:46	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_142 S: 22**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	3.59

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.14	0.0023 (Q)	1.28	1.001
Aldrin	309-00-2	J	0.031	0.0046 (Q)	1.74	1.001
Chlordane, oxy-	27304-13-8		0.580	0.0155 (S)	1.67	1.001
Chlordane, gamma (trans)	5103-74-2	J	0.360	0.0051 (S)	1.28	1.002
Chlordane, alpha (cis)	5103-71-9		1.06	0.0052 (S)	1.27	1.026
Nonachlor, trans-	39765-80-5		2.92	0.0062 (S)	1.28	1.001
Nonachlor, cis-	5103-73-1		1.15	0.0071 (S)	1.31	1.001
2,4'-DDD	53-19-0		0.634	0.0071 (S)	1.54	0.951
4,4'-DDD	72-54-8		4.11	0.0091 (S)	1.54	1.001
2,4'-DDE	3424-82-6	J	0.168	0.0051 (S)	1.55	1.001
4,4'-DDE	72-55-9		29.6	0.0062 (S)	1.59	1.001
2,4'-DDT	789-02-6		0.282	0.0100 (S)	1.60	1.001
4,4'-DDT	50-29-3		2.07	0.0116 (S)	1.56	1.001

(1) Where applicable, custom lab flags have been used on this report; J = concentration less than lowest calibration equivalent.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-12_Form1A_CL82_142S22_SJ2450216.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB077
Sample Collection:
17-Aug-2018 13:05

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-12 i
Matrix:	TISSUE	**Sample Size:**	9.97 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	17-Oct-2018 **Time:** 20:55:46	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_142 S: 22**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	3.59

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	7.53	46.5	1.29	0.790
13C-Aldrin		16.0	8.94	55.9	1.63	1.030
13C-Chlordane, oxy		16.0	10.6	66.1	1.68	1.109
13C-Chlordane, gamma (trans)		16.0	17.5	109	1.21	0.837
13C-Nonachlor, trans-		16.0	17.0	106	1.32	0.866
13C-Nonachlor, cis-		16.3	16.9	104	1.25	0.954
13C-2,4'-DDE		16.0	18.6	116	1.61	0.845
13C-4,4'-DDE		16.4	20.6	126	1.65	0.889
13C-4,4'-DDD		16.1	21.9	136	1.56	0.948
13C-2,4'-DDT		16.0	20.7	129	1.61	0.953
13C-4,4'-DDT		16.1	21.1	131	1.56	0.996

(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-12_Form2_CL82_142S22_SJ2450216.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB079
Sample Collection:
17-Aug-2018 13:53

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-13
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	13-Oct-2018 **Time:** 01:05:48	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 86**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	8.81

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		2.12	0.0023 (Q)	1.26	1.000
Aldrin	309-00-2	K J	0.013	0.0046 (Q)	2.51	1.001
Chlordane, oxy-	27304-13-8		0.853	0.0052 (S)	1.69	1.001
Chlordane, gamma (trans)	5103-74-2		0.587	0.0102 (S)	1.27	1.001
Chlordane, alpha (cis)	5103-71-9		1.66	0.0104 (S)	1.27	1.026
Nonachlor, trans-	39765-80-5		4.42	0.0120 (S)	1.25	1.001
Nonachlor, cis-	5103-73-1		1.62	0.0078 (S)	1.27	1.001
2,4'-DDD	53-19-0		2.47	0.0159 (S)	1.70	0.951
4,4'-DDD	72-54-8		9.49	0.0204 (S)	1.72	1.001
2,4'-DDE	3424-82-6		0.630	0.0046 (Q)	1.57	1.001
4,4'-DDE	72-55-9		59.7	0.0046 (Q)	1.58	1.001
2,4'-DDT	789-02-6		0.833	0.0236 (S)	1.70	1.001
4,4'-DDT	50-29-3		3.99	0.0262 (S)	1.63	1.000

(1) Where applicable, custom lab flags have been used on this report; K = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; J = concentration less than lowest calibration equivalent.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-13_Form1A_CL82_139S86_SJ2447761.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB079
Sample Collection:
17-Aug-2018 13:53

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-13
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	13-Oct-2018 **Time:** 01:05:48	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 86**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ng absolute	**% Lipid:**	8.81

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	12.2	75.2	1.32	0.790
13C-Aldrin		16.0	13.9	87.2	1.66	1.031
13C-Chlordane, oxy		16.0	15.4	96.1	1.75	1.110
13C-Chlordane, gamma (trans)		16.0	15.7	97.8	1.30	0.837
13C-Nonachlor, trans-		16.0	15.7	98.4	1.27	0.865
13C-Nonachlor, cis-		16.3	13.7	84.1	1.22	0.954
13C-2,4'-DDE		16.0	16.5	103	1.61	0.844
13C-4,4'-DDE		16.4	17.4	106	1.58	0.889
13C-4,4'-DDD		16.1	13.3	82.6	1.57	0.948
13C-2,4'-DDT		16.0	12.6	78.7	1.60	0.953
13C-4,4'-DDT		16.1	12.8	79.7	1.56	0.996

(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-13_Form2_CL82_139S86_SJ2447761.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB086
Sample Collection:
18-Aug-2018 08:47

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-14 i
Matrix:	TISSUE	**Sample Size:**	9.98 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	17-Oct-2018 **Time:** 20:18:15	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_142 S: 21**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	6.85

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.98	0.0024 (Q)	1.28	1.001
Aldrin	309-00-2	J	0.013	0.0047 (Q)	1.69	1.000
Chlordane, oxy-	27304-13-8		0.832	0.0186 (S)	1.43	1.000
Chlordane, gamma (trans)	5103-74-2	J	0.448	0.0094 (S)	1.25	1.001
Chlordane, alpha (cis)	5103-71-9		1.41	0.0096 (S)	1.24	1.026
Nonachlor, trans-	39765-80-5		4.26	0.0114 (S)	1.27	1.001
Nonachlor, cis-	5103-73-1		1.48	0.0103 (S)	1.27	1.001
2,4'-DDD	53-19-0		1.08	0.0106 (S)	1.52	0.951
4,4'-DDD	72-54-8		8.06	0.0135 (S)	1.54	1.000
2,4'-DDE	3424-82-6		0.452	0.0061 (S)	1.58	1.001
4,4'-DDE	72-55-9		54.8	0.0078 (S)	1.59	1.000
2,4'-DDT	789-02-6		0.494	0.0150 (S)	1.40	1.001
4,4'-DDT	50-29-3		5.10	0.0173 (S)	1.52	1.001

(1) Where applicable, custom lab flags have been used on this report; J = concentration less than lowest calibration equivalent.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-14_Form1A_CL82_142S21_SJ2450215.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB086
Sample Collection:
18-Aug-2018 08:47

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-14 i
Matrix:	TISSUE	**Sample Size:**	9.98 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	17-Oct-2018 **Time:** 20:18:15	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_142 S: 21**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	6.85

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	7.79	48.1	1.29	0.790
13C-Aldrin		16.0	9.41	58.8	1.58	1.030
13C-Chlordane, oxy		16.0	9.02	56.4	1.81	1.110
13C-Chlordane, gamma (trans)		16.0	14.0	87.6	1.21	0.838
13C-Nonachlor, trans-		16.0	13.3	83.0	1.30	0.866
13C-Nonachlor, cis-		16.3	13.5	82.8	1.30	0.954
13C-2,4'-DDE		16.0	15.6	97.3	1.60	0.845
13C-4,4'-DDE		16.4	16.4	99.9	1.60	0.889
13C-4,4'-DDD		16.1	16.9	105	1.57	0.949
13C-2,4'-DDT		16.0	15.9	99.4	1.59	0.953
13C-4,4'-DDT		16.1	16.1	99.9	1.63	0.996

(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-14_Form2_CL82_142S21_SJ2450215.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB057
Sample Collection:
17-Aug-2018 11:12

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-15
Matrix:	TISSUE	**Sample Size:**	9.85 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	13-Oct-2018 **Time:** 02:20:56	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 88**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	4.89

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		0.976	0.0024 (Q)	1.26	1.000
Aldrin	309-00-2	J	0.016	0.0047 (Q)	1.67	1.001
Chlordane, oxy-	27304-13-8		0.425	0.0061 (S)	1.66	1.001
Chlordane, gamma (trans)	5103-74-2		0.301	0.0047 (Q)	1.22	1.001
Chlordane, alpha (cis)	5103-71-9		0.862	0.0047 (Q)	1.27	1.026
Nonachlor, trans-	39765-80-5		2.34	0.0047 (Q)	1.23	1.001
Nonachlor, cis-	5103-73-1		0.879	0.0047 (Q)	1.27	1.001
2,4'-DDD	53-19-0		1.62	0.0135 (S)	1.71	0.951
4,4'-DDD	72-54-8		6.05	0.0172 (S)	1.69	1.001
2,4'-DDE	3424-82-6		0.327	0.0048 (S)	1.57	1.001
4,4'-DDE	72-55-9		32.6	0.0060 (S)	1.60	1.000
2,4'-DDT	789-02-6		0.496	0.0194 (S)	1.54	1.001
4,4'-DDT	50-29-3		3.55	0.0222 (S)	1.72	1.001

(1) Where applicable, custom lab flags have been used on this report; J = concentration less than lowest calibration equivalent.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-15_Form1A_CL82_139S88_SJ2447763.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB057
Sample Collection:
17-Aug-2018 11:12

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-15
Matrix:	TISSUE	**Sample Size:**	9.85 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	13-Oct-2018 **Time:** 02:20:56	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 88**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ng absolute	**% Lipid:**	4.89

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	10.8	66.8	1.31	0.790
13C-Aldrin		16.0	11.9	74.5	1.59	1.031
13C-Chlordane, oxy		16.0	14.1	88.3	1.68	1.110
13C-Chlordane, gamma (trans)		16.0	15.7	98.4	1.28	0.836
13C-Nonachlor, trans-		16.0	15.9	99.4	1.26	0.865
13C-Nonachlor, cis-		16.3	14.2	86.8	1.26	0.954
13C-2,4'-DDE		16.0	16.0	99.8	1.56	0.844
13C-4,4'-DDE		16.4	16.7	102	1.54	0.889
13C-4,4'-DDD		16.1	13.7	84.8	1.53	0.948
13C-2,4'-DDT		16.0	13.4	83.8	1.58	0.953
13C-4,4'-DDT		16.1	13.2	82.1	1.58	0.996

(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-15_Form2_CL82_139S88_SJ2447763.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB090
Sample Collection:
18-Aug-2018 07:50

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-16 i
Matrix:	TISSUE	**Sample Size:**	9.98 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	17-Oct-2018 **Time:** 19:40:48	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_142 S: 20**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	5.34

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.42	0.0023 (Q)	1.25	1.001
Aldrin	309-00-2	J	0.008	0.0059 (S)	1.66	1.001
Chlordane, oxy-	27304-13-8		0.640	0.0232 (S)	1.44	1.000
Chlordane, gamma (trans)	5103-74-2	J	0.422	0.0070 (S)	1.32	1.001
Chlordane, alpha (cis)	5103-71-9		1.39	0.0072 (S)	1.25	1.026
Nonachlor, trans-	39765-80-5		3.13	0.0089 (S)	1.24	1.001
Nonachlor, cis-	5103-73-1		1.10	0.0110 (S)	1.30	1.000
2,4'-DDD	53-19-0		0.507	0.0110 (S)	1.54	0.951
4,4'-DDD	72-54-8		3.81	0.0140 (S)	1.54	1.001
2,4'-DDE	3424-82-6	J	0.217	0.0071 (S)	1.55	1.000
4,4'-DDE	72-55-9		31.3	0.0085 (S)	1.58	1.001
2,4'-DDT	789-02-6		0.363	0.0158 (S)	1.64	1.001
4,4'-DDT	50-29-3		2.59	0.0176 (S)	1.52	1.001

(1) Where applicable, custom lab flags have been used on this report; J = concentration less than lowest calibration equivalent.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-16_Form1A_CL82_142S20_SJ2450214.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB090
Sample Collection:
18-Aug-2018 07:50

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-16 i
Matrix:	TISSUE	**Sample Size:**	9.98 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	17-Oct-2018 **Time:** 19:40:48	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_142 S: 20**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	5.34

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	8.71	53.8	1.27	0.791
13C-Aldrin		16.0	9.71	60.7	1.54	1.030
13C-Chlordane, oxy		16.0	11.6	72.5	1.65	1.110
13C-Chlordane, gamma (trans)		16.0	23.2	145	1.26	0.838
13C-Nonachlor, trans-		16.0	21.7	136	1.26	0.866
13C-Nonachlor, cis-		16.3	21.8	134	1.29	0.954
13C-2,4'-DDE		16.0	23.4	147	1.65	0.845
13C-4,4'-DDE	V	16.4	26.5	162	1.61	0.889
13C-4,4'-DDD	V	16.1	28.4	177	1.61	0.948
13C-2,4'-DDT	V	16.0	26.4	165	1.60	0.953
13C-4,4'-DDT	V	16.1	28.1	174	1.59	0.996

(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-16_Form2_CL82_142S20_SJ2450214.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB105
Sample Collection:
16-Aug-2018 10:20

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-17 i
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	17-Oct-2018 **Time:** 21:33:25	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_142 S: 23**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	5.05

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.35	0.0023 (Q)	1.23	1.000
Aldrin	309-00-2	J	0.008	0.0062 (S)	1.84	1.001
Chlordane, oxy-	27304-13-8		0.678	0.0238 (S)	1.58	1.001
Chlordane, gamma (trans)	5103-74-2	J	0.348	0.0124 (S)	1.28	1.001
Chlordane, alpha (cis)	5103-71-9		1.11	0.0127 (S)	1.28	1.026
Nonachlor, trans-	39765-80-5		4.16	0.0141 (S)	1.28	1.001
Nonachlor, cis-	5103-73-1		1.47	0.0146 (S)	1.28	1.000
2,4'-DDD	53-19-0		0.376	0.0103 (S)	1.59	0.951
4,4'-DDD	72-54-8		3.54	0.0132 (S)	1.56	1.001
2,4'-DDE	3424-82-6	J	0.204	0.0053 (S)	1.57	1.000
4,4'-DDE	72-55-9		37.7	0.0059 (S)	1.58	1.001
2,4'-DDT	789-02-6		0.264	0.0145 (S)	1.68	1.000
4,4'-DDT	50-29-3		2.82	0.0162 (S)	1.52	1.000

(1) Where applicable, custom lab flags have been used on this report; J = concentration less than lowest calibration equivalent.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-17_Form1A_CL82_142S23_SJ2450217.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB105
Sample Collection:
16-Aug-2018 10:20

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-17 i
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	17-Oct-2018 **Time:** 21:33:25	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_142 S: 23**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	5.05

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	7.27	44.9	1.31	0.791
13C-Aldrin		16.0	9.04	56.5	1.57	1.030
13C-Chlordane, oxy		16.0	11.0	68.8	1.53	1.109
13C-Chlordane, gamma (trans)		16.0	13.3	82.9	1.32	0.837
13C-Nonachlor, trans-		16.0	13.4	83.9	1.31	0.866
13C-Nonachlor, cis-		16.3	13.5	82.9	1.32	0.954
13C-2,4'-DDE		16.0	14.1	87.9	1.65	0.845
13C-4,4'-DDE		16.4	16.5	101	1.61	0.889
13C-4,4'-DDD		16.1	18.0	112	1.58	0.949
13C-2,4'-DDT		16.0	16.8	105	1.59	0.953
13C-4,4'-DDT		16.1	17.8	110	1.60	0.996

(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-17_Form2_CL82_142S23_SJ2450217.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB103
Sample Collection:
16-Aug-2018 13:17

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-18
Matrix:	TISSUE	**Sample Size:**	10.0 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	13-Oct-2018 **Time:** 04:13:21	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 91**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	3.93

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		0.963	0.0023 (Q)	1.27	1.001
Aldrin	309-00-2	J	0.006	0.0047 (Q)	1.41	1.001
Chlordane, oxy-	27304-13-8		0.554	0.0047 (Q)	1.79	1.001
Chlordane, gamma (trans)	5103-74-2	J	0.178	0.0053 (S)	1.33	1.001
Chlordane, alpha (cis)	5103-71-9		0.602	0.0054 (S)	1.26	1.026
Nonachlor, trans-	39765-80-5		3.21	0.0061 (S)	1.29	1.001
Nonachlor, cis-	5103-73-1		1.11	0.0047 (Q)	1.27	1.001
2,4'-DDD	53-19-0		0.283	0.0074 (S)	1.59	0.951
4,4'-DDD	72-54-8		3.22	0.0095 (S)	1.70	1.001
2,4'-DDE	3424-82-6		0.187	0.0047 (Q)	1.56	1.000
4,4'-DDE	72-55-9		41.7	0.0047 (Q)	1.60	1.001
2,4'-DDT	789-02-6		0.186	0.0106 (S)	1.77	1.000
4,4'-DDT	50-29-3		6.43	0.0115 (S)	1.71	1.001

(1) Where applicable, custom lab flags have been used on this report; J = concentration less than lowest calibration equivalent.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-18_Form1A_CL82_139S91_SJ2447766.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB103
Sample Collection:
16-Aug-2018 13:17

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-18
Matrix:	TISSUE	**Sample Size:**	10.0 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	13-Oct-2018 **Time:** 04:13:21	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 91**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ng absolute	**% Lipid:**	3.93

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	12.9	79.8	1.33	0.790
13C-Aldrin		16.0	17.0	106	1.68	1.031
13C-Chlordane, oxy		16.0	22.8	143	1.74	1.110
13C-Chlordane, gamma (trans)		16.0	16.7	104	1.27	0.837
13C-Nonachlor, trans-		16.0	17.5	109	1.23	0.866
13C-Nonachlor, cis-		16.3	18.7	115	1.24	0.954
13C-2,4'-DDE		16.0	18.0	113	1.61	0.844
13C-4,4'-DDE		16.4	20.8	127	1.57	0.889
13C-4,4'-DDD		16.1	19.7	123	1.56	0.948
13C-2,4'-DDT		16.0	18.0	113	1.58	0.953
13C-4,4'-DDT		16.1	19.9	124	1.59	0.996

(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-18_Form2_CL82_139S91_SJ2447766.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB101
Sample Collection:
16-Aug-2018 10:51

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-19
Matrix:	TISSUE	**Sample Size:**	9.91 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	13-Oct-2018 **Time:** 04:50:49	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 92**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	4.00

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.21	0.0024 (Q)	1.28	1.001
Aldrin	309-00-2	J	0.009	0.0047 (Q)	1.35	1.001
Chlordane, oxy-	27304-13-8		0.972	0.0048 (S)	1.71	1.001
Chlordane, gamma (trans)	5103-74-2		0.593	0.0047 (Q)	1.29	1.002
Chlordane, alpha (cis)	5103-71-9		1.33	0.0047 (Q)	1.29	1.026
Nonachlor, trans-	39765-80-5		3.73	0.0051 (S)	1.27	1.001
Nonachlor, cis-	5103-73-1		1.29	0.0048 (S)	1.30	1.001
2,4'-DDD	53-19-0		0.550	0.0085 (S)	1.70	0.951
4,4'-DDD	72-54-8		4.61	0.0109 (S)	1.70	1.000
2,4'-DDE	3424-82-6		0.257	0.0047 (Q)	1.57	1.001
4,4'-DDE	72-55-9	E				
2,4'-DDT	789-02-6		0.293	0.0123 (S)	1.74	1.001
4,4'-DDT	50-29-3		2.45	0.0136 (S)	1.70	1.001

(1) Where applicable, custom lab flags have been used on this report; J = concentration less than lowest calibration equivalent; E = exceeds calibrated linear range, see dilution data.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-19_Form1A_CL82_139S92_SJ2447767.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB101
Sample Collection:
16-Aug-2018 10:51

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-19
Matrix:	TISSUE	**Sample Size:**	9.91 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	13-Oct-2018 **Time:** 04:50:49	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 92**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ng absolute	**% Lipid:**	4.00

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	9.27	57.3	1.34	0.790
13C-Aldrin		16.0	12.3	76.9	1.71	1.031
13C-Chlordane, oxy		16.0	14.5	90.4	1.63	1.110
13C-Chlordane, gamma (trans)		16.0	13.2	82.8	1.31	0.836
13C-Nonachlor, trans-		16.0	13.2	82.4	1.32	0.865
13C-Nonachlor, cis-		16.3	13.2	81.0	1.30	0.953
13C-2,4'-DDE		16.0	13.4	83.7	1.59	0.844
13C-4,4'-DDE	X					
13C-4,4'-DDD		16.1	13.8	86.0	1.55	0.948
13C-2,4'-DDT		16.0	13.1	81.9	1.56	0.953
13C-4,4'-DDT		16.1	13.8	85.7	1.56	0.996

(1) Where applicable, custom lab flags have been used on this report; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-19_Form2_CL82_139S92_SJ2447767.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB101
Sample Collection:
16-Aug-2018 10:51

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-19 W
Matrix:	TISSUE	**Sample Size:**	9.91 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	17-Oct-2018 **Time:** 22:11:05	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 24**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	4.00

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1	X				
Aldrin	309-00-2	X				
Chlordane, oxy-	27304-13-8	X				
Chlordane, gamma (trans)	5103-74-2	X				
Chlordane, alpha (cis)	5103-71-9	X				
Nonachlor, trans-	39765-80-5	X				
Nonachlor, cis-	5103-73-1	X				
2,4'-DDD	53-19-0	X				
4,4'-DDD	72-54-8	X				
2,4'-DDE	3424-82-6	X				
4,4'-DDE	72-55-9	D	47.6	0.0435 (S)	1.58	1.000
2,4'-DDT	789-02-6	X				
4,4'-DDT	50-29-3	X				

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-19_Form1A_CL82_142S24_SJ2450218.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB101
Sample Collection:
16-Aug-2018 10:51

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-19 W
Matrix:	TISSUE	**Sample Size:**	9.91 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	17-Oct-2018 **Time:** 22:11:05	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 24**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	4.00

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene	X					
13C-Aldrin	X					
13C-Chlordane, oxy	X					
13C-Chlordane, gamma (trans)	X					
13C-Nonachlor, trans-	X					
13C-Nonachlor, cis-	X					
13C-2,4'-DDE	X					
13C-4,4'-DDE	D	16.4	16.0	97.5	1.64	0.889
13C-4,4'-DDD	X					
13C-2,4'-DDT	X					
13C-4,4'-DDT	X					

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-19_Form2_CL82_142S24_SJ2450218.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB099
Sample Collection:
16-Aug-2018 11:26

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-20
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	13-Oct-2018 **Time:** 05:28:24	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 93**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	4.64

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1		1.31	0.0023 (Q)	1.28	1.000
Aldrin	309-00-2	K J	0.010	0.0046 (Q)	1.96	1.000
Chlordane, oxy-	27304-13-8		0.809	0.0046 (Q)	1.67	1.000
Chlordane, gamma (trans)	5103-74-2		0.435	0.0046 (Q)	1.29	1.001
Chlordane, alpha (cis)	5103-71-9		1.30	0.0046 (Q)	1.25	1.026
Nonachlor, trans-	39765-80-5		4.86	0.0051 (S)	1.27	1.000
Nonachlor, cis-	5103-73-1		1.77	0.0055 (S)	1.23	1.001
2,4'-DDD	53-19-0		0.919	0.0052 (S)	1.67	0.951
4,4'-DDD	72-54-8		5.81	0.0067 (S)	1.70	1.001
2,4'-DDE	3424-82-6		0.406	0.0046 (Q)	1.59	1.000
4,4'-DDE	72-55-9	E				
2,4'-DDT	789-02-6		0.444	0.0079 (S)	1.70	1.001
4,4'-DDT	50-29-3		4.25	0.0079 (S)	1.72	1.001

(1) Where applicable, custom lab flags have been used on this report; K = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; J = concentration less than lowest calibration equivalent; E = exceeds calibrated linear range, see dilution data.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-20_Form1A_CL82_139S93_SJ2447768.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB099
Sample Collection:
16-Aug-2018 11:26

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-20
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	13-Oct-2018 **Time:** 05:28:24	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 93**
Injection Volume (uL):	2.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 78
Concentration Units:	ng absolute	**% Lipid:**	4.64

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	9.24	57.0	1.31	0.790
13C-Aldrin		16.0	11.8	73.7	1.62	1.031
13C-Chlordane, oxy		16.0	14.4	89.7	1.60	1.110
13C-Chlordane, gamma (trans)		16.0	13.0	81.2	1.28	0.837
13C-Nonachlor, trans-		16.0	13.2	82.3	1.30	0.866
13C-Nonachlor, cis-		16.3	12.7	78.2	1.22	0.954
13C-2,4'-DDE		16.0	13.3	83.2	1.60	0.844
13C-4,4'-DDE	X					
13C-4,4'-DDD		16.1	13.9	86.4	1.54	0.948
13C-2,4'-DDT		16.0	12.5	78.1	1.57	0.953
13C-4,4'-DDT		16.1	14.6	90.6	1.52	0.996

(1) Where applicable, custom lab flags have been used on this report; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-20_Form2_CL82_139S93_SJ2447768.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB099
Sample Collection:
16-Aug-2018 11:26

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-20 W
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 02:33:36	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 31**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ug/kg (wet weight basis)	**% Lipid:**	4.64

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COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1	X				
Aldrin	309-00-2	X				
Chlordane, oxy-	27304-13-8	X				
Chlordane, gamma (trans)	5103-74-2	X				
Chlordane, alpha (cis)	5103-71-9	X				
Nonachlor, trans-	39765-80-5	X				
Nonachlor, cis-	5103-73-1	X				
2,4'-DDD	53-19-0	X				
4,4'-DDD	72-54-8	X				
2,4'-DDE	3424-82-6	X				
4,4'-DDE	72-55-9	D	62.3	0.0269 (S)	1.58	1.001
2,4'-DDT	789-02-6	X				
4,4'-DDT	50-29-3	X				

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-20_Form1A_CL82_142S31_SJ2450225.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 2

PESTICIDE ANALYSIS REPORT

CLIENT SAMPLE NO.
PDI-TF-SMB099
Sample Collection:
16-Aug-2018 11:26

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

Project No.	PORTLAND HARBOR PDI AND BASELINE TISSUE		
Contract No.:	4972	**Lab Sample I.D.:**	L29915-20 W
Matrix:	TISSUE	**Sample Size:**	10.1 g (wet)
Sample Receipt Date:	21-Aug-2018	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	18-Oct-2018 **Time:** 02:33:36	**GC Column ID:**	DB5
Extract Volume (uL):	80	**Sample Data Filename:**	**CL82_142 S: 31**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	2	**Cal. Ver. Data Filename:**	CL82_142 S: 17
Concentration Units:	ng absolute	**% Lipid:**	4.64

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene	X					
13C-Aldrin	X					
13C-Chlordane, oxy	X					
13C-Chlordane, gamma (trans)	X					
13C-Nonachlor, trans-	X					
13C-Nonachlor, cis-	X					
13C-2,4'-DDE	X					
13C-4,4'-DDE	D	16.4	16.5	101	1.60	0.889
13C-4,4'-DDD	X					
13C-2,4'-DDT	X					
13C-4,4'-DDT	X					

(1) Where applicable, custom lab flags have been used on this report; D = dilution data; X = result reported separately.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_L29915-20_Form2_CL82_142S31_SJ2450225.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 1A

PESTICIDE 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

Project No.	N/A		
Contract No.:	4972	**Lab Sample I.D.:**	WG65146-101
Matrix:	CANOLA OIL	**Sample Size:**	10.0 g
Sample Receipt Date:	N/A	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 10:29:06	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 64**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60

Concentration Units: ug/kg

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

COMPOUND	CAS NO.	LAB FLAG [1]	CONC. FOUND	REPORTING LIMIT (RL)[2]	ION ABUND. RATIO	RRT
Hexachlorobenzene	118-74-1	J	0.004	0.0024 (Q)	1.02	1.000
Aldrin	309-00-2	U		0.0047 (Q)		
Chlordane, oxy-	27304-13-8	U		0.0088 (S)		
Chlordane, gamma (trans)	5103-74-2	U		0.0047 (Q)		
Chlordane, alpha (cis)	5103-71-9	U		0.0047 (Q)		
Nonachlor, trans-	39765-80-5	U		0.0047 (Q)		
Nonachlor, cis-	5103-73-1	U		0.0047 (Q)		
2,4'-DDD	53-19-0	U		0.0128 (S)		
4,4'-DDD	72-54-8	U		0.0164 (S)		
2,4'-DDE	3424-82-6	U		0.0047 (Q)		
4,4'-DDE	72-55-9	J	0.019	0.0055 (S)	1.36	1.001
2,4'-DDT	789-02-6	U		0.0160 (S)		
4,4'-DDT	50-29-3	U		0.0205 (S)		

(1) Where applicable, custom lab flags have been used on this report; U = not detected at RL; J = concentration less than lowest calibration equivalent.
(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest1A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_WG65146-101_Form1A_CL82_139S64_SJ2447742.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

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

Form 2

PESTICIDE ANALYSIS REPORT

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

Project No.	N/A		
Contract No.:	4972	**Lab Sample I.D.:**	WG65146-101
Matrix:	CANOLA OIL	**Sample Size:**	10.0 g
Sample Receipt Date:	N/A	**Initial Calibration Date:**	11-Oct-2018
Extraction Date:	11-Sep-2018	**Instrument ID:**	HR GC/MS
Analysis Date:	12-Oct-2018 **Time:** 10:29:06	**GC Column ID:**	DB5
Extract Volume (uL):	40	**Sample Data Filename:**	**CL82_139 S: 64**
Injection Volume (uL):	1.0	**Blank Data Filename:**	CL82_139 S: 64
Dilution Factor:	N/A	**Cal. Ver. Data Filename:**	CL82_139 S: 60
Concentration Units:	ng absolute		

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

LABELED COMPOUND	LAB FLAG [1]	SPIKE CONC.	CONC. FOUND	R(%) [2]	ION ABUND. RATIO	RRT
13C-Hexachlorobenzene		16.2	10.1	62.2	1.29	0.790
13C-Aldrin		16.0	11.3	70.4	1.65	1.030
13C-Chlordane, oxy		16.0	12.9	80.3	1.69	1.109
13C-Chlordane, gamma (trans)		16.0	13.5	84.6	1.25	0.837
13C-Nonachlor, trans-		16.0	13.8	86.5	1.31	0.866
13C-Nonachlor, cis-		16.3	13.8	84.8	1.22	0.954
13C-2,4'-DDE		16.0	13.6	85.2	1.58	0.845
13C-4,4'-DDE		16.4	13.8	84.0	1.61	0.889
13C-4,4'-DDD		16.1	11.6	71.9	1.58	0.949
13C-2,4'-DDT		16.0	12.1	75.9	1.57	0.953
13C-4,4'-DDT		16.1	11.1	69.1	1.63	0.996

(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: _____Ting Chen_____

For Axys Internal Use Only [XSL Template: Pest2.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_WG65146-101_Form2_CL82_139S64_SJ2447742.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 8A

PESTICIDE 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.:	4972	**OPR Data Filename:**	**CL82_139 S: 61**
Matrix:	CANOLA OIL	**Lab Sample I.D.:**	WG65146-102
Extraction Date:	11-Sep-2018	**Analysis Date:**	12-Oct-2018 **Time:** 08:36:33

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT, BASED ON 100 uL EXTRACT.

COMPOUND	CAS NO.	LAB FLAG [1]	ION ABUND. RATIO	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (ng/mL)	% RECOVERY
Hexachlorobenzene	118-74-1		1.25	80.0	82.6	56.0 - 104	103
Aldrin	309-00-2		1.66	208	213	146 - 270	103
Chlordane, oxy-	27304-13-8		1.58	160	166	112 - 208	104
Chlordane, gamma (trans)	5103-74-2		1.24	160	160	112 - 208	99.8
Chlordane, alpha (cis)	5103-71-9		1.23	160	160	112 - 209	99.7
Nonachlor, trans-	39765-80-5		1.28	136	140	95.3 - 177	103
Nonachlor, cis-	5103-73-1		1.25	160	167	112 - 208	105
2,4'-DDD	53-19-0		1.68	80.6	93.4	56.4 - 105	116
4,4'-DDD	72-54-8		1.69	97.0	98.3	67.9 - 126	101
2,4'-DDE	3424-82-6		1.60	80.8	80.5	56.6 - 105	99.6
4,4'-DDE	72-55-9		1.60	98.0	105	68.6 - 127	107
2,4'-DDT	789-02-6		1.67	79.8	77.7	55.9 - 104	97.4
4,4'-DDT	50-29-3		1.66	80.8	82.5	56.6 - 105	102

(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: _____Ting Chen_____

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: Pest8A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_WG65146-102_Form8A_SJ2447737.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 8B

PESTICIDE 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.: 4972 **OPR Data Filename:** **CL82_139 S: 61**

Matrix: CANOLA OIL **Lab Sample I.D.:** WG65146-102

Extraction Date: 11-Sep-2018 **Analysis Date:** 12-Oct-2018 **Time:** 08:36:33

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT, BASED ON 100 uL EXTRACT.

LABELED COMPOUND	CAS NO.	LAB FLAG [1]	ION ABUND. RATIO	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (ng/mL)	% RECOVERY
13C-Hexachlorobenzene	93952-14-8		1.32	162	102	32.4-243	63.0
13C-Aldrin			1.67	160	114	48.0-240	71.3
13C-Chlordane, oxy			1.58	160	124	48.0-320	77.5
13C-Chlordane, gamma (trans)			1.35	160	169	48.0-320	106
13C-Nonachlor, trans-			1.33	160	170	48.0-240	106
13C-Nonachlor, cis-			1.20	163	156	48.9-245	95.5
13C-2,4'-DDE			1.62	160	173	64.0-240	108
13C-4,4'-DDE	201612-50-2		1.58	164	161	65.6-246	98.1
13C-4,4'-DDD			1.58	161	121	64.4-242	75.4
13C-2,4'-DDT			1.59	160	138	64.0-240	86.5
13C-4,4'-DDT	104215-84-1		1.56	161	123	64.4-242	76.4

(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: _____Ting Chen_____

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: Pest8B.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: Pest_PEST_HI_E1HI_WG65146-102_Form8B_SJ2447737.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

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: 11-Oct-2018

Instrument ID: HR GC/MS

GC Column ID: DB5

CS0 Data Filename: N/A
CS1 Data Filename: CL82_139 S: 26
CS2 Data Filename: CL82_139 S: 27
CS3 Data Filename: CL82_139 S: 24
CS4 Data Filename: CL82_139 S: 29
CS5 Data Filename: CL82_139 S: 28
CS6 Data Filename: N/A

		RELATIVE RESPONSE (RR)								
COMPOUND	**LAB FLAG [1]**	**CS0**	**CS1**	**CS2**	**CS3**	**CS4**	**CS5**	**CS6**	**MEAN RR**	**CV (%RSD)[2]**
Hexachlorobenzene			1.08	1.06	1.03	1.04	1.02		1.05	2.19
HCH, alpha			1.16	1.19	1.16	1.16	1.18		1.17	1.21
HCH, beta			1.09	1.07	1.06	1.07	1.09		1.08	0.92
HCH, gamma			1.05	1.03	0.96	0.98	1.01		1.00	3.46
HCH, delta			1.17	1.17	1.10	1.13	1.13		1.14	2.57
Heptachlor			1.12	1.10	1.06	1.12	1.14		1.11	2.66
Aldrin			1.24	1.19	1.17	1.22	1.14		1.19	3.10
Chlordane, oxy-			1.21	1.10	1.12	1.08	0.97		1.10	7.88
Chlordane, gamma (trans)			1.14	1.13	1.09	1.11	1.06		1.11	3.03
Chlordane, alpha (cis)			1.13	1.10	1.08	1.07	1.03		1.08	3.37
Nonachlor, trans-			1.12	1.08	1.06	1.10	1.03		1.08	3.30
Nonachlor, cis-			1.10	1.04	1.00	1.01	0.90		1.01	7.02
2,4'-DDD			1.70	1.64	1.48	1.60	1.48		1.58	6.19
4,4'-DDD			1.25	1.23	1.20	1.24	1.24		1.23	1.64
2,4'-DDE			1.33	1.29	1.25	1.28	1.18		1.26	4.52
4,4'-DDE			1.32	1.30	1.25	1.30	1.22		1.28	3.28
2,4'-DDT			1.24	1.23	1.16	1.24	1.23		1.22	2.80
4,4'-DDT			1.49	1.47	1.43	1.49	1.50		1.48	1.81
Mirex			0.96	0.89	0.86	0.89	0.87		0.90	4.14

(1) Where applicable, custom lab flags have been used on this report.
(2) QC limit is 20% for native compounds with a labeled analog, 35% for those without a labeled analog.
(3) Hexachlorobutadiene is not present in the calibration standards. Reported RRF is a weighted value of 1,2,3-Trichlorobenzene based on the analysis of an external standard.

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

Signed: _____Brian Watson_____

For Axys Internal Use Only [XSL Template: Form3A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50;
Report Filename: PestHR_E1_Pest_11-Oct-2018_CL82__Form3A_GS78161.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

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: 11-Oct-2018

Instrument ID: HR GC/MS

GC Column ID: DB5

CS0 Data Filename: N/A

CS1 Data Filename: CL82_139 S: 26

CS2 Data Filename: CL82_139 S: 27

CS3 Data Filename: CL82_139 S: 24

CS4 Data Filename: CL82_139 S: 29

CS5 Data Filename: CL82_139 S: 28

CS6 Data Filename: N/A

		RELATIVE RESPONSE (RR)								
LABELED COMPOUND	**LAB FLAG [1]**	**CS0**	**CS1**	**CS2**	**CS3**	**CS4**	**CS5**	**CS6**	**MEAN RR**	**CV (%RSD)[2]**
13C-Hexachlorobenzene			1.67	1.77	1.73	1.77	1.72		1.73	2.48
13C-beta-HCH			0.58	0.58	0.64	0.62	0.66		0.62	6.06
13C-gamma-HCH			0.72	0.71	0.77	0.77	0.79		0.75	4.53
13C-delta-HCH			0.52	0.52	0.60	0.58	0.65		0.57	9.80
13C-Heptachlor			0.31	0.30	0.32	0.32	0.37		0.33	8.66
13C-Aldrin			0.38	0.39	0.40	0.40	0.40		0.39	2.47
13C-Chlordane, oxy			0.08	0.09	0.09	0.10	0.12		0.10	13.6
13C-Chlordane, gamma (trans)			0.27	0.25	0.24	0.29	0.29		0.27	9.06
13C-Nonachlor, trans-			0.23	0.23	0.21	0.25	0.25		0.23	6.86
13C-Nonachlor, cis-			0.17	0.16	0.16	0.19	0.19		0.17	7.87
13C-2,4'-DDE			2.95	2.86	2.82	3.23	3.47		3.07	9.02
13C-4,4'-DDE			2.20	2.17	2.19	2.40	2.61		2.31	8.19
13C-4,4'-DDD			1.39	1.40	1.45	1.62	2.04		1.58	17.1
13C-2,4'-DDT			1.45	1.35	1.44	1.54	1.83		1.52	12.2
13C-4,4'-DDT			0.83	0.87	0.92	1.00	1.22		0.97	15.9
13C-Mirex			1.40	1.44	1.40	1.50	1.50		1.45	3.48

(1) Where applicable, custom lab flags have been used on this report.
(2) QC limit is 35% for labeled compounds.

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

Signed: _____Brian Watson_____

For Axys Internal Use Only [XSL Template: Form3B.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50; Report Filename: PestHR_E1_Pest_11-Oct-2018_CL82__Form3B_GS78161.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 3C
INITIAL CALIBRATION ION ABUNDANCE 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: 11-Oct-2018

Instrument ID: HR GC/MS

GC Column ID: DB5

CS0 Data Filename: N/A

CS1 Data Filename: CL82_139 S: 26

CS2 Data Filename: CL82_139 S: 27

CS3 Data Filename: CL82_139 S: 24

CS4 Data Filename: CL82_139 S: 29

CS5 Data Filename: CL82_139 S: 28

CS6 Data Filename: N/A

COMPOUND	LAB FLAG [1]	M/Z's FORMING RATIO	ION ABUNDANCE RATIO CS0	CS1	CS2	CS3	CS4	CS5	CS6	QC LIMITS[2]
Hexachlorobenzene		**284/286**		1.25	1.27	1.27	1.27	1.26		1.00-1.50
HCH, alpha		**217/219**		0.78	0.78	0.78	0.78	0.78		0.62-0.92
HCH, beta		**217/219**		0.79	0.79	0.78	0.78	0.79		0.62-0.92
HCH, gamma		**217/219**		0.81	0.78	0.78	0.77	0.78		0.62-0.92
HCH, delta		**217/219**		0.74	0.76	0.77	0.77	0.77		0.62-0.92
Heptachlor		**272/274**		1.21	1.26	1.26	1.24	1.23		0.99-1.49
Aldrin		**263/265**		1.59	1.63	1.61	1.59	1.60		1.24-1.86
Chlordane, oxy-		**263/265**		1.63	1.63	1.62	1.62	1.63		1.24-1.86
Chlordane, gamma (trans)		**272/274**		1.31	1.26	1.29	1.27	1.28		0.99-1.49
Chlordane, alpha (cis)		**272/274**		1.22	1.24	1.26	1.28	1.27		0.99-1.49
Nonachlor, trans-		**272/274**		1.32	1.26	1.28	1.28	1.28		0.99-1.49
Nonachlor, cis-		**272/274**		1.30	1.23	1.25	1.25	1.24		0.99-1.49
2,4'-DDD		**235/237**		1.68	1.67	1.65	1.67	1.66		1.25-1.87
4,4'-DDD		**235/237**		1.76	1.66	1.68	1.68	1.67		1.25-1.87
2,4'-DDE		**246/248**		1.62	1.59	1.59	1.58	1.41		1.25-1.87
4,4'-DDE		**246/248**		1.63	1.61	1.60	1.59	1.48		1.25-1.87
2,4'-DDT		**235/237**		1.72	1.71	1.68	1.66	1.65		1.25-1.87
4,4'-DDT		**235/237**		1.75	1.72	1.70	1.64	1.69		1.25-1.87
Mirex		**270/272**		0.48	0.51	0.51	0.50	0.51		0.42-0.62

(1) Where applicable, custom lab flags have been used on this report.
(2) QC limits are +/- 20%.

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

Signed: _____Brian Watson_____

For Axys Internal Use Only [XSL Template: Form3C.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50; Report Filename: PestHR_E1_Pest_11-Oct-2018_CL82__Form3C_GS78161.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 3D
INITIAL CALIBRATION ION ABUNDANCE 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: 11-Oct-2018

Instrument ID: HR GC/MS

GC Column ID: DB5

CS0 Data Filename: N/A

CS1 Data Filename: CL82_139 S: 26

CS2 Data Filename: CL82_139 S: 27

CS3 Data Filename: CL82_139 S: 24

CS4 Data Filename: CL82_139 S: 29

CS5 Data Filename: CL82_139 S: 28

CS6 Data Filename: N/A

LABELED COMPOUND	LAB FLAG[1]	M/Z's FORMING RATIO	ION ABUNDANCE RATIO CS0	CS1	CS2	CS3	CS4	CS5	CS6	QC LIMITS[2]
13C-Hexachlorobenzene		**290/292**		1.30	1.29	1.29	1.30	1.31		1.00-1.50
13C-beta-HCH		**223/225**		0.78	0.76	0.79	0.76	0.78		0.62-0.94
13C-gamma-HCH		**223/225**		0.79	0.76	0.78	0.75	0.77		0.62-0.94
13C-delta-HCH		**223/225**		0.81	0.78	0.80	0.77	0.81		0.62-0.94
13C-Heptachlor		**277/279**		1.28	1.31	1.22	1.22	1.30		0.99-1.49
13C-Aldrin		**270/272**		1.66	1.61	1.63	1.63	1.67		1.24-1.86
13C-Chlordane, oxy		**270/272**		1.75	1.68	1.72	1.55	1.73		1.09-2.02
13C-Chlordane, gamma (trans)		**277/279**		1.26	1.28	1.30	1.24	1.35		0.99-1.49
13C-Nonachlor, trans-		**277/279**		1.25	1.33	1.27	1.28	1.32		0.99-1.49
13C-Nonachlor, cis-		**277/279**		1.24	1.32	1.32	1.27	1.45		0.99-1.49
13C-2,4'-DDE		**258/260**		1.57	1.57	1.55	1.57	1.57		1.25-1.87
13C-4,4'-DDE		**258/260**		1.56	1.59	1.56	1.59	1.55		1.25-1.87
13C-4,4'-DDD		**247/249**		1.55	1.55	1.56	1.57	1.57		1.25-1.87
13C-2,4'-DDT		**247/249**		1.57	1.60	1.56	1.56	1.58		1.25-1.87
13C-4,4'-DDT		**247/249**		1.55	1.54	1.57	1.56	1.57		1.25-1.87
13C-Mirex		**277/279**		1.26	1.27	1.26	1.31	1.28		1.00-1.50

(1) Where applicable, custom lab flags have been used on this report.
(2) QC limits are +/- 20% (+/- 30% for labeled oxychlordane).

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

Signed: _____Brian Watson_____

For Axys Internal Use Only [XSL Template: Form3D.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50; Report Filename: PestHR_E1_Pest_11-Oct-2018_CL82__Form3D_GS78161.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 4A
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:	11-Oct-2018	**VER Data Filename:**	CL82_139 S: 60
Instrument ID:	HR GC/MS	**Analysis Date:**	12-Oct-2018
GC Column ID:	DB5	**Analysis Time:**	07:58:56

COMPOUND	CAS NO.	LAB FLAG [1]	m/e ION CHANNELS	ION ABUND. RATIO	QC LIMITS	CONC. FOUND (ng/mL)	CONC. RANGE (ng/mL)
Hexachlorobenzene	118-74-1		284/286	1.28	1.00-1.50	79.4	64.0-96.0
HCH, alpha	319-84-6		217/219	0.77	0.62-0.92	157	104-216
HCH, beta	319-85-7		217/219	0.79	0.62-0.92	161	133-200
HCH, gamma	58-89-9		217/219	0.77	0.62-0.92	156	128-192
HCH, delta	319-86-8		217/219	0.76	0.62-0.92	170	143-215
Heptachlor	76-44-8		272/274	1.27	0.99-1.49	75.0	63.9-95.9
Aldrin	309-00-2		263/265	1.64	1.24-1.86	205	166-249
Chlordane, oxy-	27304-13-8		263/265	1.60	1.24-1.86	160	128-192
Chlordane, gamma (trans)	5103-74-2		272/274	1.26	0.99-1.49	156	128-192
Chlordane, alpha (cis)	5103-71-9		272/274	1.28	0.99-1.49	151	104-217
Nonachlor, trans-	39765-80-5		272/274	1.30	0.99-1.49	136	109-163
Nonachlor, cis-	5103-73-1		272/274	1.28	0.99-1.49	159	128-192
2,4'-DDD	53-19-0		235/237	1.69	1.25-1.87	84.2	52.4-109
4,4'-DDD	72-54-8		235/237	1.69	1.25-1.87	95.1	77.6-116
2,4'-DDE	3424-82-6		246/248	1.57	1.25-1.87	78.3	64.6-97.0
4,4'-DDE	72-55-9		246/248	1.61	1.25-1.87	98.9	78.4-118
2,4'-DDT	789-02-6		235/237	1.67	1.25-1.87	77.8	63.8-95.8
4,4'-DDT	50-29-3		235/237	1.72	1.25-1.87	81.1	64.6-97.0
Mirex	2385-85-5		270/272	0.50	0.42-0.62	78.5	64.0-96.0

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

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

Signed: _____David Nelson_____

For Axys Internal Use Only [XSL Template: Pest4A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50; Report Filename: PestHR_E1_Pest_CL82_139S60__Form4A_SJ2447735.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 4B
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:	11-Oct-2018	**VER Data Filename:**	CL82_139 S: 60
Instrument ID:	HR GC/MS	**Analysis Date:**	12-Oct-2018
GC Column ID:	DB5	**Analysis Time:**	07:58:56

LABELED COMPOUND	CAS NO.	LAB FLAG [1]	m/e ION CHANNELS	ION ABUND. RATIO	QC LIMITS	CONC. FOUND (ng/mL)
13C-Hexachlorobenzene	93952-14-8		290/292	1.32	1.00-1.50	81.0
13C-beta-HCH	222966-68-9		223/225	0.79	0.62-0.94	85.4
13C-gamma-HCH	104215-85-2		223/225	0.75	0.62-0.94	87.1
13C-delta-HCH			223/225	0.77	0.62-0.94	83.7
13C-Heptachlor			277/279	1.25	0.99-1.49	88.2
13C-Aldrin			270/272	1.63	1.24-1.86	82.2
13C-Chlordane, oxy			270/272	1.57	1.09-2.02	82.3
13C-Chlordane, gamma (trans)			277/279	1.32	0.99-1.49	95.8
13C-Nonachlor, trans-			277/279	1.27	0.99-1.49	92.5
13C-Nonachlor, cis-			277/279	1.20	0.99-1.49	88.6
13C-2,4'-DDE			258/260	1.60	1.25-1.87	93.9
13C-4,4'-DDE	201612-50-2		258/260	1.58	1.25-1.87	89.9
13C-4,4'-DDD			247/249	1.55	1.25-1.87	81.7
13C-2,4'-DDT			247/249	1.54	1.25-1.87	82.9
13C-4,4'-DDT	104215-84-1		247/249	1.59	1.25-1.87	67.4
13C-Mirex			277/279	1.23	1.00-1.50	77.7

(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: _____David Nelson_____

For Axys Internal Use Only [XSL Template: Pest4B.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50; Report Filename: PestHR_E1_Pest_CL82_139S60__Form4B_SJ2447735.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 4A
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:	11-Oct-2018	**VER Data Filename:**	CL82_139 S: 77
Instrument ID:	HR GC/MS	**Analysis Date:**	12-Oct-2018
GC Column ID:	DB5	**Analysis Time:**	18:37:30

COMPOUND	CAS NO.	LAB FLAG [1]	m/e ION CHANNELS	ION ABUND. RATIO	QC LIMITS	CONC. FOUND (ng/mL)	CONC. RANGE (ng/mL)
Hexachlorobenzene	118-74-1		284/286	1.26	1.00-1.50	81.3	64.0-96.0
HCH, alpha	319-84-6		217/219	0.80	0.62-0.92	157	104-216
HCH, beta	319-85-7		217/219	0.79	0.62-0.92	166	133-200
HCH, gamma	58-89-9		217/219	0.79	0.62-0.92	156	128-192
HCH, delta	319-86-8		217/219	0.78	0.62-0.92	171	143-215
Heptachlor	76-44-8		272/274	1.24	0.99-1.49	76.5	63.9-95.9
Aldrin	309-00-2		263/265	1.65	1.24-1.86	206	166-249
Chlordane, oxy-	27304-13-8		263/265	1.61	1.24-1.86	159	128-192
Chlordane, gamma (trans)	5103-74-2		272/274	1.30	0.99-1.49	155	128-192
Chlordane, alpha (cis)	5103-71-9		272/274	1.27	0.99-1.49	155	104-217
Nonachlor, trans-	39765-80-5		272/274	1.29	0.99-1.49	137	109-163
Nonachlor, cis-	5103-73-1		272/274	1.30	0.99-1.49	159	128-192
2,4'-DDD	53-19-0		235/237	1.69	1.25-1.87	78.0	52.4-109
4,4'-DDD	72-54-8		235/237	1.68	1.25-1.87	97.0	77.6-116
2,4'-DDE	3424-82-6		246/248	1.59	1.25-1.87	80.7	64.6-97.0
4,4'-DDE	72-55-9		246/248	1.58	1.25-1.87	100	78.4-118
2,4'-DDT	789-02-6		235/237	1.69	1.25-1.87	78.4	63.8-95.8
4,4'-DDT	50-29-3		235/237	1.66	1.25-1.87	83.2	64.6-97.0
Mirex	2385-85-5		270/272	0.51	0.42-0.62	76.4	64.0-96.0

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

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

Signed: _____David Nelson_____

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SGS AXYS METHOD MLA-028 Rev 06

Form 4B
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:	11-Oct-2018	**VER Data Filename:**	CL82_139 S: 77
Instrument ID:	HR GC/MS	**Analysis Date:**	12-Oct-2018
GC Column ID:	DB5	**Analysis Time:**	18:37:30

LABELED COMPOUND	CAS NO.	LAB FLAG [1]	m/e ION CHANNELS	ION ABUND. RATIO	QC LIMITS	CONC. FOUND (ng/mL)
13C-Hexachlorobenzene	93952-14-8		290/292	1.34	1.00-1.50	80.9
13C-beta-HCH	222966-68-9		223/225	0.76	0.62-0.94	93.6
13C-gamma-HCH	104215-85-2		223/225	0.78	0.62-0.94	96.7
13C-delta-HCH			223/225	0.79	0.62-0.94	95.1
13C-Heptachlor			277/279	1.29	0.99-1.49	96.8
13C-Aldrin			270/272	1.61	1.24-1.86	91.1
13C-Chlordane, oxy			270/272	1.64	1.09-2.02	93.6
13C-Chlordane, gamma (trans)			277/279	1.30	0.99-1.49	88.4
13C-Nonachlor, trans-			277/279	1.27	0.99-1.49	87.1
13C-Nonachlor, cis-			277/279	1.28	0.99-1.49	81.8
13C-2,4'-DDE			258/260	1.60	1.25-1.87	88.3
13C-4,4'-DDE	201612-50-2		258/260	1.60	1.25-1.87	88.6
13C-4,4'-DDD			247/249	1.56	1.25-1.87	83.0
13C-2,4'-DDT			247/249	1.59	1.25-1.87	78.5
13C-4,4'-DDT	104215-84-1		247/249	1.59	1.25-1.87	74.0
13C-Mirex			277/279	1.25	1.00-1.50	71.2

(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: _____David Nelson_____

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SGS AXYS METHOD MLA-028 Rev 06

Form 4A
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:	11-Oct-2018	**VER Data Filename:**	CL82_139 S: 78
Instrument ID:	HR GC/MS	**Analysis Date:**	12-Oct-2018
GC Column ID:	DB5	**Analysis Time:**	19:48:51

COMPOUND	CAS NO.	LAB FLAG [1]	m/e ION CHANNELS	ION ABUND. RATIO	QC LIMITS	CONC. FOUND (ng/mL)	CONC. RANGE (ng/mL)
Hexachlorobenzene	118-74-1		284/286	1.26	1.00-1.50	80.0	64.0-96.0
HCH, alpha	319-84-6		217/219	0.78	0.62-0.92	155	104-216
HCH, beta	319-85-7		217/219	0.78	0.62-0.92	164	133-200
HCH, gamma	58-89-9		217/219	0.78	0.62-0.92	155	128-192
HCH, delta	319-86-8		217/219	0.78	0.62-0.92	172	143-215
Heptachlor	76-44-8		272/274	1.25	0.99-1.49	77.6	63.9-95.9
Aldrin	309-00-2		263/265	1.64	1.24-1.86	211	166-249
Chlordane, oxy-	27304-13-8		263/265	1.60	1.24-1.86	164	128-192
Chlordane, gamma (trans)	5103-74-2		272/274	1.28	0.99-1.49	158	128-192
Chlordane, alpha (cis)	5103-71-9		272/274	1.28	0.99-1.49	160	104-217
Nonachlor, trans-	39765-80-5		272/274	1.28	0.99-1.49	137	109-163
Nonachlor, cis-	5103-73-1		272/274	1.27	0.99-1.49	159	128-192
2,4'-DDD	53-19-0		235/237	1.67	1.25-1.87	67.9	52.4-109
4,4'-DDD	72-54-8		235/237	1.67	1.25-1.87	92.2	77.6-116
2,4'-DDE	3424-82-6		246/248	1.57	1.25-1.87	78.8	64.6-97.0
4,4'-DDE	72-55-9		246/248	1.58	1.25-1.87	99.6	78.4-118
2,4'-DDT	789-02-6		235/237	1.67	1.25-1.87	77.7	63.8-95.8
4,4'-DDT	50-29-3		235/237	1.68	1.25-1.87	78.9	64.6-97.0
Mirex	2385-85-5		270/272	0.51	0.42-0.62	76.7	64.0-96.0

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

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

Signed: _____David Nelson_____

For Axys Internal Use Only [XSL Template: Pest4A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50; Report Filename: PestHR_E1_Pest_CL82_139S78__Form4A_SJ2448911.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 4B
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:	11-Oct-2018	**VER Data Filename:**	CL82_139 S: 78
Instrument ID:	HR GC/MS	**Analysis Date:**	12-Oct-2018
GC Column ID:	DB5	**Analysis Time:**	19:48:51

LABELED COMPOUND	CAS NO.	LAB FLAG [1]	m/e ION CHANNELS	ION ABUND. RATIO	QC LIMITS	CONC. FOUND (ng/mL)
13C-Hexachlorobenzene	93952-14-8		290/292	1.31	1.00-1.50	77.9
13C-beta-HCH	222966-68-9		223/225	0.78	0.62-0.94	93.1
13C-gamma-HCH	104215-85-2		223/225	0.77	0.62-0.94	90.3
13C-delta-HCH			223/225	0.79	0.62-0.94	94.3
13C-Heptachlor			277/279	1.25	0.99-1.49	92.7
13C-Aldrin			270/272	1.67	1.24-1.86	82.6
13C-Chlordane, oxy			270/272	1.65	1.09-2.02	85.8
13C-Chlordane, gamma (trans)			277/279	1.30	0.99-1.49	72.3
13C-Nonachlor, trans-			277/279	1.28	0.99-1.49	72.9
13C-Nonachlor, cis-			277/279	1.28	0.99-1.49	77.9
13C-2,4'-DDE			258/260	1.59	1.25-1.87	75.1
13C-4,4'-DDE	201612-50-2		258/260	1.57	1.25-1.87	76.3
13C-4,4'-DDD			247/249	1.57	1.25-1.87	81.5
13C-2,4'-DDT			247/249	1.59	1.25-1.87	78.1
13C-4,4'-DDT	104215-84-1		247/249	1.57	1.25-1.87	85.3
13C-Mirex			277/279	1.26	1.00-1.50	75.9

(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: _____David Nelson_____

For Axys Internal Use Only [XSL Template: Pest4B.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50; Report Filename: PestHR_E1_Pest_CL82_139S78__Form4B_SJ2448911.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 4A
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:	11-Oct-2018	**VER Data Filename:**	CL82_139 S: 94
Instrument ID:	HR GC/MS	**Analysis Date:**	13-Oct-2018
GC Column ID:	DB5	**Analysis Time:**	06:05:50

COMPOUND	CAS NO.	LAB FLAG [1]	m/e ION CHANNELS	ION ABUND. RATIO	QC LIMITS	CONC. FOUND (ng/mL)	CONC. RANGE (ng/mL)
Hexachlorobenzene	118-74-1		284/286	1.27	1.00-1.50	81.8	64.0-96.0
HCH, alpha	319-84-6		217/219	0.79	0.62-0.92	154	104-216
HCH, beta	319-85-7		217/219	0.79	0.62-0.92	166	133-200
HCH, gamma	58-89-9		217/219	0.77	0.62-0.92	156	128-192
HCH, delta	319-86-8		217/219	0.78	0.62-0.92	172	143-215
Heptachlor	76-44-8		272/274	1.25	0.99-1.49	77.1	63.9-95.9
Aldrin	309-00-2		263/265	1.67	1.24-1.86	211	166-249
Chlordane, oxy-	27304-13-8		263/265	1.64	1.24-1.86	161	128-192
Chlordane, gamma (trans)	5103-74-2		272/274	1.28	0.99-1.49	160	128-192
Chlordane, alpha (cis)	5103-71-9		272/274	1.27	0.99-1.49	160	104-217
Nonachlor, trans-	39765-80-5		272/274	1.28	0.99-1.49	137	109-163
Nonachlor, cis-	5103-73-1		272/274	1.28	0.99-1.49	159	128-192
2,4'-DDD	53-19-0		235/237	1.72	1.25-1.87	72.7	52.4-109
4,4'-DDD	72-54-8		235/237	1.69	1.25-1.87	91.7	77.6-116
2,4'-DDE	3424-82-6		246/248	1.59	1.25-1.87	80.6	64.6-97.0
4,4'-DDE	72-55-9		246/248	1.58	1.25-1.87	98.2	78.4-118
2,4'-DDT	789-02-6		235/237	1.67	1.25-1.87	78.0	63.8-95.8
4,4'-DDT	50-29-3		235/237	1.68	1.25-1.87	77.2	64.6-97.0
Mirex	2385-85-5		270/272	0.51	0.42-0.62	77.5	64.0-96.0

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

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

Signed: _____David Nelson_____

For Axys Internal Use Only [XSL Template: Pest4A.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50; Report Filename: PestHR_E1_Pest_CL82_139S94__Form4A_SJ2448913.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 4B
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:	11-Oct-2018	**VER Data Filename:**	CL82_139 S: 94
Instrument ID:	HR GC/MS	**Analysis Date:**	13-Oct-2018
GC Column ID:	DB5	**Analysis Time:**	06:05:50

LABELED COMPOUND	CAS NO.	LAB FLAG [1]	m/e ION CHANNELS	ION ABUND. RATIO	QC LIMITS	CONC. FOUND (ng/mL)
13C-Hexachlorobenzene	93952-14-8		290/292	1.35	1.00-1.50	86.7
13C-beta-HCH	222966-68-9		223/225	0.78	0.62-0.94	105
13C-gamma-HCH	104215-85-2		223/225	0.78	0.62-0.94	107
13C-delta-HCH			223/225	0.79	0.62-0.94	106
13C-Heptachlor			277/279	1.26	0.99-1.49	105
13C-Aldrin			270/272	1.71	1.24-1.86	93.3
13C-Chlordane, oxy			270/272	1.66	1.09-2.02	97.0
13C-Chlordane, gamma (trans)			277/279	1.27	0.99-1.49	81.5
13C-Nonachlor, trans-			277/279	1.27	0.99-1.49	82.9
13C-Nonachlor, cis-			277/279	1.25	0.99-1.49	82.8
13C-2,4'-DDE			258/260	1.58	1.25-1.87	83.7
13C-4,4'-DDE	201612-50-2		258/260	1.57	1.25-1.87	85.0
13C-4,4'-DDD			247/249	1.53	1.25-1.87	82.9
13C-2,4'-DDT			247/249	1.57	1.25-1.87	75.8
13C-4,4'-DDT	104215-84-1		247/249	1.52	1.25-1.87	70.3
13C-Mirex			277/279	1.26	1.00-1.50	71.0

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

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

Signed: _____David Nelson_____

For Axys Internal Use Only [XSL Template: Pest4B.xsl; Created: 23-Oct-2018 13:04:06; Application: XMLTransformer-1.16.50; Report Filename: PestHR_E1_Pest_CL82_139S94__Form4B_SJ2448913.html; Workgroup: WG65146; Design ID: 3361]

SGS AXYS METHOD MLA-028 Rev 06

Form 4A
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:	11-Oct-2018	**VER Data Filename:**	CL82_142 S: 17
Instrument ID:	HR GC/MS	**Analysis Date:**	17-Oct-2018
GC Column ID:	DB5	**Analysis Time:**	17:48:12

COMPOUND	CAS NO.	LAB FLAG [1]	m/e ION CHANNELS	ION ABUND. RATIO	QC LIMITS	CONC. FOUND (ng/mL)	CONC. RANGE (ng/mL)
Hexachlorobenzene	118-74-1		284/286	1.25	1.00-1.50	79.0	64.0-96.0
HCH, alpha	319-84-6		217/219	0.80	0.62-0.92	164	104-216
HCH, beta	319-85-7		217/219	0.80	0.62-0.92	168	133-200
HCH, gamma	58-89-9		217/219	0.80	0.62-0.92	163	128-192
HCH, delta	319-86-8		217/219	0.80	0.62-0.92	176	143-215
Heptachlor	76-44-8		272/274	1.27	0.99-1.49	78.4	63.9-95.9
Aldrin	309-00-2		263/265	1.55	1.24-1.86	190	166-249
Chlordane, oxy-	27304-13-8		263/265	1.63	1.24-1.86	152	128-192
Chlordane, gamma (trans)	5103-74-2		272/274	1.28	0.99-1.49	155	128-192
Chlordane, alpha (cis)	5103-71-9		272/274	1.29	0.99-1.49	155	104-217
Nonachlor, trans-	39765-80-5		272/274	1.30	0.99-1.49	134	109-163
Nonachlor, cis-	5103-73-1		272/274	1.31	0.99-1.49	160	128-192
2,4'-DDD	53-19-0		235/237	1.54	1.25-1.87	71.0	52.4-109
4,4'-DDD	72-54-8		235/237	1.52	1.25-1.87	91.8	77.6-116
2,4'-DDE	3424-82-6		246/248	1.60	1.25-1.87	79.6	64.6-97.0
4,4'-DDE	72-55-9		246/248	1.58	1.25-1.87	96.9	78.4-118
2,4'-DDT	789-02-6		235/237	1.54	1.25-1.87	78.0	63.8-95.8
4,4'-DDT	50-29-3		235/237	1.54	1.25-1.87	79.5	64.6-97.0
Mirex	2385-85-5		270/272	0.52	0.42-0.62	80.4	64.0-96.0

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

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

Signed: _____Ting Chen_____

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SGS AXYS METHOD MLA-028 Rev 06

Form 4B
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:	11-Oct-2018	**VER Data Filename:**	CL82_142 S: 17
Instrument ID:	HR GC/MS	**Analysis Date:**	17-Oct-2018
GC Column ID:	DB5	**Analysis Time:**	17:48:12

LABELED COMPOUND	CAS NO.	LAB FLAG [1]	m/e ION CHANNELS	ION ABUND. RATIO	QC LIMITS	CONC. FOUND (ng/mL)
13C-Hexachlorobenzene	93952-14-8		290/292	1.29	1.00-1.50	77.9
13C-beta-HCH	222966-68-9		223/225	0.78	0.62-0.94	77.6
13C-gamma-HCH	104215-85-2		223/225	0.78	0.62-0.94	75.9
13C-delta-HCH			223/225	0.78	0.62-0.94	78.4
13C-Heptachlor			277/279	1.29	0.99-1.49	77.0
13C-Aldrin			270/272	1.61	1.24-1.86	72.4
13C-Chlordane, oxy			270/272	1.53	1.09-2.02	67.3
13C-Chlordane, gamma (trans)			277/279	1.28	0.99-1.49	80.0
13C-Nonachlor, trans-			277/279	1.28	0.99-1.49	77.0
13C-Nonachlor, cis-			277/279	1.25	0.99-1.49	78.3
13C-2,4'-DDE			258/260	1.66	1.25-1.87	83.5
13C-4,4'-DDE	201612-50-2		258/260	1.63	1.25-1.87	85.6
13C-4,4'-DDD			247/249	1.61	1.25-1.87	102
13C-2,4'-DDT			247/249	1.63	1.25-1.87	93.5
13C-4,4'-DDT	104215-84-1		247/249	1.59	1.25-1.87	100
13C-Mirex			277/279	1.29	1.00-1.50	83.5

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

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Signed: _____Ting Chen_____

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SGS AXYS METHOD MLA-028 Rev 06

Form 4A
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:	11-Oct-2018	**VER Data Filename:**	CL82_142 S: 35
Instrument ID:	HR GC/MS	**Analysis Date:**	18-Oct-2018
GC Column ID:	DB5	**Analysis Time:**	05:03:35

COMPOUND	CAS NO.	LAB FLAG [1]	m/e ION CHANNELS	ION ABUND. RATIO	QC LIMITS	CONC. FOUND (ng/mL)	CONC. RANGE (ng/mL)
Hexachlorobenzene	118-74-1		284/286	1.25	1.00-1.50	77.5	64.0-96.0
HCH, alpha	319-84-6		217/219	0.79	0.62-0.92	161	104-216
HCH, beta	319-85-7		217/219	0.80	0.62-0.92	164	133-200
HCH, gamma	58-89-9		217/219	0.80	0.62-0.92	161	128-192
HCH, delta	319-86-8		217/219	0.80	0.62-0.92	173	143-215
Heptachlor	76-44-8		272/274	1.26	0.99-1.49	77.6	63.9-95.9
Aldrin	309-00-2		263/265	1.58	1.24-1.86	193	166-249
Chlordane, oxy-	27304-13-8		263/265	1.62	1.24-1.86	156	128-192
Chlordane, gamma (trans)	5103-74-2		272/274	1.28	0.99-1.49	153	128-192
Chlordane, alpha (cis)	5103-71-9		272/274	1.28	0.99-1.49	151	104-217
Nonachlor, trans-	39765-80-5		272/274	1.26	0.99-1.49	137	109-163
Nonachlor, cis-	5103-73-1		272/274	1.24	0.99-1.49	162	128-192
2,4'-DDD	53-19-0		235/237	1.54	1.25-1.87	71.8	52.4-109
4,4'-DDD	72-54-8		235/237	1.56	1.25-1.87	96.7	77.6-116
2,4'-DDE	3424-82-6		246/248	1.58	1.25-1.87	79.3	64.6-97.0
4,4'-DDE	72-55-9		246/248	1.59	1.25-1.87	96.1	78.4-118
2,4'-DDT	789-02-6		235/237	1.52	1.25-1.87	79.0	63.8-95.8
4,4'-DDT	50-29-3		235/237	1.56	1.25-1.87	81.9	64.6-97.0
Mirex	2385-85-5		270/272	0.53	0.42-0.62	80.0	64.0-96.0

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

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

Signed: _____Ting Chen_____

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SGS AXYS METHOD MLA-028 Rev 06

Form 4B
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:	11-Oct-2018	**VER Data Filename:**	CL82_142 S: 35
Instrument ID:	HR GC/MS	**Analysis Date:**	18-Oct-2018
GC Column ID:	DB5	**Analysis Time:**	05:03:35

LABELED COMPOUND	CAS NO.	LAB FLAG [1]	m/e ION CHANNELS	ION ABUND. RATIO	QC LIMITS	CONC. FOUND (ng/mL)
13C-Hexachlorobenzene	93952-14-8		290/292	1.26	1.00-1.50	76.2
13C-beta-HCH	222966-68-9		223/225	0.77	0.62-0.94	74.8
13C-gamma-HCH	104215-85-2		223/225	0.79	0.62-0.94	76.2
13C-delta-HCH			223/225	0.77	0.62-0.94	74.9
13C-Heptachlor			277/279	1.28	0.99-1.49	75.0
13C-Aldrin			270/272	1.58	1.24-1.86	75.3
13C-Chlordane, oxy			270/272	1.68	1.09-2.02	72.0
13C-Chlordane, gamma (trans)			277/279	1.23	0.99-1.49	85.6
13C-Nonachlor, trans-			277/279	1.26	0.99-1.49	80.8
13C-Nonachlor, cis-			277/279	1.23	0.99-1.49	81.9
13C-2,4'-DDE			258/260	1.63	1.25-1.87	87.0
13C-4,4'-DDE	201612-50-2		258/260	1.64	1.25-1.87	89.4
13C-4,4'-DDD			247/249	1.62	1.25-1.87	105
13C-2,4'-DDT			247/249	1.61	1.25-1.87	91.4
13C-4,4'-DDT	104215-84-1		247/249	1.61	1.25-1.87	88.9
13C-Mirex			277/279	1.28	1.00-1.50	82.2

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

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Signed: _____Ting Chen_____

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Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue						Urine	Water	Water, Non-Potable									
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
BFR	BTBPE	SGS AXYS MLA-033	MLA-033		Y											Y							Y											
	DBDPE	SGS AXYS MLA-033	MLA-033		Y											Y							Y											
	HBB	SGS AXYS MLA-033	MLA-033		Y											Y							Y											
	PBEB	SGS AXYS MLA-033	MLA-033		Y											Y							Y											
Bisphenols	Bisphenol A	SGS AXYS MLA-113	MLA-113		Y																		Y											
	Bisphenol AF	SGS AXYS MLA-113	MLA-113		Y																		Y											
	Bisphenol B	SGS AXYS MLA-113	MLA-113		Y																		Y											
	Bisphenol E	SGS AXYS MLA-113	MLA-113		Y																		Y											
	Bisphenol F	SGS AXYS MLA-113	MLA-113		Y																		Y											
	Bisphenol S	SGS AXYS MLA-113	MLA-113		Y																		Y											
BPA and MPE	4,4'-dihydroxy-2,2-diphenylpropane (Bisphenol A) (BPA)	SGS AXYS MLA-059	MLA-059																			Y											
	Mono-(2-ethyl-5-hydroxyhexyl) phthalate (MEHHP)	SGS AXYS MLA-059	MLA-059																			Y											
	Mono-(2-ethyl-5-oxohexyl) phthalate (MEOHP)	SGS AXYS MLA-059	MLA-059																			Y											
	Mono-(3-carboxypropyl) phthalate (MCPP)	SGS AXYS MLA-059	MLA-059																			Y											
	Mono-2-ethylhexyl phthalate (MEHP)	SGS AXYS MLA-059	MLA-059																			Y											
	Mono-benzyl phthalate (MBzP)	SGS AXYS MLA-059	MLA-059																			Y											
	Mono-butyl phthalate (MBP) (n + iso)	SGS AXYS MLA-059	MLA-059																			Y											
	Mono-cyclohexyl phthalate (MCHP)	SGS AXYS MLA-059	MLA-059																			Y											
	Mono-ethyl phthalate (MEP)	SGS AXYS MLA-059	MLA-059																			Y											
	Mono-iso-nonyl phthalate (MiNP)	SGS AXYS MLA-059	MLA-059																			Y											
	Mono-methyl phthalate (MMP)	SGS AXYS MLA-059	MLA-059																			Y											
HBCDD	alpha-hexabromocyclododecane (a-HBCDD)	SGS AXYS MLA-070	MLA-070	Y																													
	beta-hexabromocyclododecane (b-HBCDD)	SGS AXYS MLA-070	MLA-070	Y																													
	gamma-hexabromocyclododecane (g-HBCDD)	SGS AXYS MLA-070	MLA-070	Y																													
OC Pesticides	"Organochlorine Pesticides" category (CA only)	EPA 608	MLA-007																					Y										
		EPA 625	MLA-007																					Y										
		EPA 8081	MLA-007			Y																												
	"Pesticides" category (CA only)	EPA 8270	MLA-007			Y																												
	2,4'-DDD	EPA 625	MLA-007																						Y									Y
		EPA 8270	MLA-007				Y						Y		Y																				
		EPA 1699	MLA-028				Y								Y										Y									Y
		SGS AXYS MLA-028	MLA-028	Y	Y		Y						Y		Y	Y							Y		Y						Y			Y
		SGS AXYS MLA-007	MLA-007	Y	Y		Y								Y	Y							Y		Y									Y
	2,4'-DDE	EPA 625	MLA-007																						Y									Y
		EPA 8270	MLA-007				Y						Y		Y																				
		EPA 1699	MLA-028				Y								Y										Y									Y
		SGS AXYS MLA-028	MLA-028	Y	Y		Y						Y		Y	Y							Y		Y						Y			Y
		SGS AXYS MLA-007	MLA-007	Y	Y		Y								Y	Y							Y		Y									Y
	2,4'-DDT	EPA 625	MLA-007																						Y									Y
		EPA 8270	MLA-007				Y						Y		Y																				
		EPA 1699	MLA-028				Y								Y										Y									Y
		SGS AXYS MLA-028	MLA-028	Y	Y		Y						Y		Y	Y							Y		Y						Y			Y
		SGS AXYS MLA-007	MLA-007	Y	Y		Y								Y	Y							Y		Y									Y
	4,4'-DDD	EPA 625	MLA-007																						Y				Y	Y		Y		Y
		EPA 8270	MLA-007				Y			Y	Y	Y	Y		Y																				
		EPA 1699	MLA-028				Y								Y										Y									Y
		SGS AXYS MLA-028	MLA-028	Y	Y		Y						Y		Y	Y							Y		Y						Y			Y
		SGS AXYS MLA-007	MLA-007	Y	Y		Y								Y	Y							Y		Y									Y
	4,4'-DDE	EPA 625	MLA-007																						Y				Y	Y		Y		Y
		EPA 8270	MLA-007				Y			Y	Y	Y	Y		Y																				

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue							Urine	Water	Water, Non-Potable									
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025		CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		EPA 1699	MLA-028				Y							Y											Y								Y	
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y								Y		Y					Y			Y	
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y								Y										Y	
	4,4'-DDT	EPA 625	MLA-007																							Y				Y	Y		Y	Y	
		EPA 8270	MLA-007				Y			Y	Y	Y	Y	Y																					
		EPA 1699	MLA-028				Y							Y												Y								Y	
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y								Y		Y					Y			Y	
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y								Y										Y	
	Aldrin	EPA 625	MLA-007																							Y				Y	Y		Y	Y	
		EPA 8270	MLA-007				Y			Y	Y	Y	Y	Y																					
		EPA 1699	MLA-028				Y							Y												Y								Y	
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y								Y		Y					Y			Y	
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y								Y										Y	
	Alpha-HCH	EPA 625	MLA-007																							Y				Y	Y		Y	Y	
		EPA 8270	MLA-007				Y			Y	Y	Y	Y	Y																					
		EPA 1699	MLA-028				Y							Y												Y								Y	
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y								Y		Y					Y			Y	
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y								Y										Y	
	Beta-HCH	EPA 625	MLA-007																							Y				Y	Y		Y	Y	
		EPA 8270	MLA-007				Y			Y	Y	Y	Y	Y																					
		EPA 1699	MLA-028				Y							Y												Y								Y	
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y								Y		Y					Y			Y	
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y								Y										Y	
	Chlordane, technical	EPA 625	MLA-007																													Y			
		EPA 8270	MLA-007				Y			Y	Y		Y	Y												Y				Y	Y		Y	Y	
		SGS AXYS MLA-007	MLA-007				Y							Y												Y								Y	
	cis-Chlordane (alpha-Chlordane)	EPA 8270	MLA-007				Y			Y		Y	Y	Y												Y				Y			Y	Y	
		EPA 1699	MLA-028				Y							Y												Y								Y	
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y								Y		Y					Y			Y	
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y								Y										Y	
	cis-Nonachlor	EPA 8270	MLA-007				Y					Y		Y												Y								Y	
		EPA 1699	MLA-028				Y							Y												Y								Y	
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y								Y		Y					Y			Y	
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y								Y										Y	
	Delta-HCH	EPA 608	MLA-007																							Y				Y	Y		Y	Y	
		EPA 8081	MLA-007				Y			Y	Y	Y	Y	Y																					
		EPA 1699	MLA-028				Y							Y												Y								Y	
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y								Y		Y					Y			Y	
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y								Y										Y	
	Dieldrin	EPA 608	MLA-007																							Y				Y	Y		Y	Y	
		EPA 8081	MLA-007				Y			Y	Y	Y	Y	Y																					
		EPA 1699	MLA-028				Y							Y												Y								Y	
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y								Y		Y					Y			Y	
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y								Y										Y	
	Endosulphan I	EPA 608	MLA-007																							Y				Y	Y		Y	Y	
		EPA 8081	MLA-007				Y			Y	Y	Y	Y	Y																					
		EPA 1699	MLA-028				Y							Y												Y								Y	
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y								Y		Y					Y			Y	
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y								Y										Y	
	Endosulphan II	EPA 608	MLA-007																							Y				Y	Y		Y	Y	

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

				Serum	Solids											Tissue							Urine	Water	Water, Non-Potable									
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		EPA 8081	MLA-007				Y			Y	Y	Y	Y	Y																			
		EPA 1699	MLA-028				Y							Y											Y									Y
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y							Y		Y					Y				Y
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y							Y		Y									Y
	Endosulphan sulphate	EPA 608	MLA-007																						Y				Y	Y		Y		Y
		EPA 8081	MLA-007				Y			Y	Y	Y	Y	Y																				
		EPA 1699	MLA-028				Y							Y											Y									Y
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y							Y		Y					Y				Y
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y							Y		Y									Y
	Endrin	EPA 608	MLA-007																						Y				Y	Y		Y		Y
		EPA 8081	MLA-007				Y			Y	Y	Y	Y	Y																				
		EPA 1699	MLA-028				Y							Y											Y									Y
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y							Y		Y					Y				Y
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y							Y		Y									Y
	Endrin aldehyde	EPA 608	MLA-007																						Y				Y	Y		Y		Y
		EPA 8081	MLA-007				Y			Y	Y	Y	Y	Y																				
		EPA 1699	MLA-028				Y							Y											Y									Y
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y							Y		Y					Y				Y
		SGS AXYS MLA-007	MLA-007		Y		Y							Y									Y		Y									Y
	Endrin ketone	EPA 8081	MLA-007				Y			Y		Y		Y																				
		EPA 1699	MLA-028				Y							Y											Y									Y
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y							Y		Y					Y				Y
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y							Y		Y									
	Gamma-HCH (Lindane)	EPA 625	MLA-007																						Y				Y	Y		Y		Y
		EPA 8270	MLA-007				Y			Y	Y	Y	Y	Y																				
		EPA 1699	MLA-028				Y							Y											Y									Y
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y							Y		Y					Y				Y
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y							Y		Y									Y
	Heptachlor	EPA 625	MLA-007																						Y				Y	Y		Y		Y
		EPA 8270	MLA-007				Y			Y	Y	Y	Y	Y																				
		EPA 1699	MLA-028				Y							Y											Y									Y
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y							Y		Y					Y				Y
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y							Y		Y									Y
	Heptachlor epoxide	EPA 608	MLA-007																						Y				Y	Y		Y		Y
		EPA 8081	MLA-007				Y			Y	Y	Y	Y	Y																				
		EPA 1699	MLA-028				Y							Y											Y									Y
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y							Y		Y					Y				Y
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y							Y		Y									Y
	Hexachlorobenzene	EPA 1625	MLA-007																						Y				Y					Y
		EPA 8270	MLA-007				Y			Y	Y	Y	Y	Y																				
		EPA 1699	MLA-028				Y							Y											Y									Y
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y							Y		Y					Y				Y
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y							Y		Y									Y
	Methoxychlor	EPA 608	MLA-007																						Y				Y	Y		Y		Y
		EPA 8081	MLA-007				Y			Y	Y	Y	Y	Y																				
		EPA 1699	MLA-028				Y							Y											Y									Y
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y							Y		Y					Y				Y
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y							Y		Y									Y
	Mirex	EPA 8270	MLA-007				Y			Y		Y		Y											Y				Y	Y		Y		Y
		EPA 1699	MLA-028				Y							Y											Y									Y

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

				Serum	Solids											Tissue							Urine	Water	Water, Non-Potable									
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y							Y		Y					Y			Y	
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y							Y		Y								Y	
	Oxychlordane	EPA 8270	MLA-007				Y					Y													Y								Y	
		EPA 1699	MLA-028				Y							Y											Y								Y	
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y							Y		Y					Y			Y	
		SGS AXYS MLA-007	MLA-007	Y	Y		Y									Y							Y		Y								Y	
	Toxaphene	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	trans-Chlordane (gamma-Chlordane)	EPA 8270	MLA-007				Y			Y		Y	Y	Y											Y				Y			Y	Y	
		EPA 1699	MLA-028				Y							Y											Y								Y	
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y							Y		Y					Y			Y	
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y							Y		Y								Y	
	trans-Nonachlor	EPA 8270	MLA-007				Y					Y		Y											Y								Y	
		EPA 1699	MLA-028				Y							Y											Y								Y	
		SGS AXYS MLA-028	MLA-028	Y	Y		Y					Y		Y		Y							Y		Y					Y			Y	
		SGS AXYS MLA-007	MLA-007	Y	Y		Y							Y		Y							Y		Y								Y	
PAH	1,2,6-Trimethylphenanthrene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	1,2-Dimethylnaphthalene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	1,4,6,7-Tetramethylnaphthalene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	1,7-Dimethylfluorene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	1,7-Dimethylphenanthrene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	1,8-Dimethylphenanthrene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	1-Methylchrysene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	1-Methylnaphthalene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	1-Methylphenanthrene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	2,3,5-Trimethylnaphthalene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	2,3,6-Trimethylnaphthalene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	2,4-Dimethyldibenzothiophene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	2,6-Dimethylnaphthalene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	2,6-Dimethylphenanthrene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	2-Methylanthracene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	2-Methyldibenzothiophene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	2-Methylfluorene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	2-Methylnaphthalene	EPA 1625	MLA-021																															Y
		EPA 8270	MLA-021				Y			Y						Y									Y										
		SGS AXYS MLA-021	MLA-021		Y		Y									Y																		Y	
	2-Methylphenanthrene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	3,6-Dimethylphenanthrene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	3-Methyldibenzothiophene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	3-Methylfluoranthene/ Benzo(a)fluorene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	3-Methylphenanthrene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	5,9-Dimethylchrysene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	5/6-Methylchrysenes	SGS AXYS MLA-021	MLA-021		Y																		Y											
	7-Methylbenzo(a)pyrene	SGS AXYS MLA-021	MLA-021		Y																		Y											
	9/4-Methylphenanthrenes	SGS AXYS MLA-021	MLA-021		Y																		Y											
	Acenaphthene	EPA 1625	MLA-021																						Y				Y	Y				Y
		EPA 8270	MLA-021				Y			Y	Y			Y	Y																				
		SGS AXYS MLA-021	MLA-021		Y		Y								Y										Y										Y
	Acenaphthylene	EPA 1625	MLA-021																						Y				Y	Y				Y
		EPA 8270	MLA-021				Y			Y	Y			Y	Y																				

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids										Tissue						Urine	Water	Water, Non-Potable									
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		SGS AXYS MLA-021	MLA-021		Y		Y							Y		Y						Y		Y								Y	
	Anthracene	EPA 1625	MLA-021																					Y				Y	Y			Y	
		EPA 8270	MLA-021				Y			Y	Y		Y	Y																				
		SGS AXYS MLA-021	MLA-021		Y		Y							Y		Y						Y		Y								Y	
	Benz[a]anthracene	EPA 1625	MLA-021																					Y				Y	Y			Y	
		EPA 8270	MLA-021				Y			Y	Y		Y	Y																				
		SGS AXYS MLA-021	MLA-021		Y		Y							Y		Y						Y		Y								Y	
	Benzo[a]pyrene	EPA 1625	MLA-021																					Y				Y	Y			Y	
		EPA 8270	MLA-021				Y			Y	Y		Y	Y																				
		SGS AXYS MLA-021	MLA-021		Y		Y							Y		Y						Y		Y								Y	
	Benzo[b]fluoranthene	EPA 1625	MLA-021																					Y				Y	Y		Y	Y	
		EPA 8270	MLA-021				Y			Y	Y		Y	Y																				
		SGS AXYS MLA-021	MLA-021		Y		Y							Y		Y						Y		Y								Y	
	Benzo[e]pyrene	SGS AXYS MLA-021	MLA-021		Y											Y						Y											
	Benzo[ghi]perylene	EPA 1625	MLA-021																					Y				Y	Y			Y	
		EPA 8270	MLA-021				Y			Y	Y		Y	Y																				
		SGS AXYS MLA-021	MLA-021		Y		Y							Y		Y						Y		Y								Y	
	Benzo[j/k]fluoranthenes	SGS AXYS MLA-021	MLA-021		Y											Y						Y											
	Benzo[k]fluoranthene	EPA 1625	MLA-021																					Y				Y	Y			Y	
		EPA 8270	MLA-021				Y			Y			Y	Y																				
		SGS AXYS MLA-021	MLA-021				Y							Y										Y									Y	
	Biphenyl	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C1-Acenaphthenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C1-Benz(a)anthracenes/chrysenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C1-Benzofluoranthenes/ Benzopyrenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C1-Biphenyls	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C1-Dibenzothiophene	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C1-Fluoranthenes/Pyrenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C1-Fluorenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C1-Naphthalenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C1-Phenanthrenes/Anthracenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C2-Benz(a)anthracenes/Chrysenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C2-Benzofluoranthenes/ Benzopyrenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C2-Biphenyls	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C2-Dibenzothiophene	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C2-Fluoranthenes/Pyrenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C2-Fluorenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C2-Naphthalenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C2-Phenanthrenes/Anthracenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C3-Benz(a)anthracenes/Chrysenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C3-Dibenzothiophene	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C3-Fluoranthenes/Pyrenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C3-Fluorenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C3-Naphthalenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C3-Phenanthrenes/Anthracenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C4-Benz(a)anthracenes/Chrysenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C4-Dibenzothiophene	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C4-Fluoranthenes/Pyrenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C4-Naphthalenes	SGS AXYS MLA-021	MLA-021		Y																	Y											
	C4-Phenanthrenes/Anthracenes	SGS AXYS MLA-021	MLA-021		Y																	Y											

Accreditation Scope

SGS AXYS Analytical Services Ltd.
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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue							Urine	Water	Water, Non-Potable									
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025		CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	Chrysene	EPA 1625	MLA-021																						Y				Y	Y				Y
		EPA 8270	MLA-021				Y			Y	Y		Y	Y																					
		SGS AXYS MLA-021	MLA-021		Y		Y							Y		Y								Y		Y								Y
	Dibenz[a,h]anthracene	EPA 1625	MLA-021																						Y				Y	Y				Y
		EPA 8270	MLA-021				Y			Y	Y		Y	Y																					
		SGS AXYS MLA-021	MLA-021		Y		Y							Y		Y								Y		Y								Y
	Dibenzothiophene	SGS AXYS MLA-021	MLA-021		Y																			Y										
	Fluoranthene	EPA 1625	MLA-021																						Y				Y	Y				Y
		EPA 8270	MLA-021				Y			Y	Y		Y	Y																					
		SGS AXYS MLA-021	MLA-021		Y		Y							Y		Y								Y		Y								Y
	Fluorene	EPA 1625	MLA-021																						Y				Y	Y				Y
		EPA 8270	MLA-021				Y			Y	Y		Y	Y																					
		SGS AXYS MLA-021	MLA-021		Y		Y							Y		Y								Y		Y								Y
	Indeno[1,2,3-cd]pyrene	EPA 1625	MLA-021																						Y				Y	Y				Y
		EPA 8270	MLA-021				Y			Y	Y		Y	Y																					
		SGS AXYS MLA-021	MLA-021		Y		Y							Y		Y								Y		Y								Y
	Naphthalene	EPA 1625	MLA-021																						Y				Y	Y				Y
		EPA 8270	MLA-021				Y			Y	Y		Y	Y																					
		SGS AXYS MLA-021	MLA-021		Y		Y							Y		Y								Y		Y								Y
	Perylene	SGS AXYS MLA-021	MLA-021		Y											Y								Y										
	Phenanthrene	EPA 1625	MLA-021																						Y				Y	Y				Y
		EPA 8270	MLA-021				Y			Y	Y		Y	Y																					
		SGS AXYS MLA-021	MLA-021		Y		Y							Y		Y								Y		Y								Y
	Pyrene	EPA 1625	MLA-021																						Y				Y	Y				Y
		EPA 8270	MLA-021				Y			Y	Y		Y	Y																					
		SGS AXYS MLA-021	MLA-021		Y		Y							Y		Y								Y		Y								Y
	Retene	SGS AXYS MLA-021	MLA-021		Y																			Y										
PBDPE	BDE 10 2,6-dibromodiphenylether	EPA 1614	MLA-033									Y																			Y			
		SGS AXYS MLA-033	MLA-033	Y	Y											Y								Y										
	BDE 100 2,2',4,4',6-pentabromodiphenylether	EPA 1614	MLA-033									Y																			Y			
		SGS AXYS MLA-033	MLA-033	Y	Y											Y								Y										
	BDE 105 2,3,3',4,4'-pentabromodiphenylether	EPA 1614	MLA-033									Y																			Y			
		SGS AXYS MLA-033	MLA-033	Y	Y											Y								Y										
	BDE 11 3,3'-dibromodiphenylether	EPA 1614	MLA-033									Y																			Y			
		SGS AXYS MLA-033	MLA-033	Y	Y											Y								Y										
	BDE 116 2,3,4,5,6-pentabromodiphenylether	EPA 1614	MLA-033									Y																			Y			
		SGS AXYS MLA-033	MLA-033	Y	Y											Y								Y										
	BDE 119 2,3',4,4',6-pentabromodiphenylether	EPA 1614	MLA-033									Y																			Y			
		SGS AXYS MLA-033	MLA-033	Y	Y											Y								Y										
	BDE 12 3,4-dibromodiphenylether	EPA 1614	MLA-033									Y																			Y			
		SGS AXYS MLA-033	MLA-033	Y	Y											Y								Y										
	BDE 126 3,3',4,4',5-pentabromodiphenylether	EPA 1614	MLA-033									Y																			Y			
		SGS AXYS MLA-033	MLA-033	Y	Y											Y								Y										
	BDE 13 3,4'-dibromodiphenylether	EPA 1614	MLA-033									Y																			Y			
		SGS AXYS MLA-033	MLA-033	Y	Y											Y								Y										
	BDE 140 2,2',3,4,4',6'-hexabromodiphenylether	EPA 1614	MLA-033									Y																			Y			
		SGS AXYS MLA-033	MLA-033	Y	Y											Y								Y										
	BDE 15 4,4'-dibromodiphenylether	EPA 1614	MLA-033									Y																			Y			
		SGS AXYS MLA-033	MLA-033	Y	Y											Y								Y										
	BDE 153 2,2',4,4',5,5'-hexabromodiphenylether	EPA 1614	MLA-033									Y																			Y			

Accreditation Scope

SGS AXYS Analytical Services Ltd.
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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids										Tissue						Urine	Water	Water, Non-Potable								
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 154 2,2',4,4',5',6-hexabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 155 2,2',4,4',6,6'-hexabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 166 2,3,4,4',5,6-hexabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 17 2,2',4-tribromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 181 2,2',3,4,4',5,6-heptabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 190 2,3,3',4,4',5,6-heptabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 206 2,2',3,3',4,4',5,5',6-nonabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 207 2,2',3,3',4,4',5,6,6'-nonabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 208 2,2',3,3',4,5,5',6,6'-nonabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 209 Decabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 25 2,3',4-tribromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 28 2,4,4'-tribromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 30 2,4,6-tribromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 35 3,3',4-tribromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 37 3,4,4'-tribromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 47 2,2',4,4'-tetrabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 49 2,2',4,5'-tetrabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 66 2,3',4,4'-tetrabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 7 2,4-dibromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 75 2,4,4',6-tetrabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 77 3,3',4,4'-tetrabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 8 2,4'-dibromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 85 2,2',3,4,4'-pentabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE 99 2,2',4,4',5-pentabromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE-183 2,2',3,4,4',5',6-heptabromodiphenylether	EPA 1614	MLA-033									Y																		Y				

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SGS AXYS Analytical Services Ltd.
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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue						Urine	Water	Water, Non-Potable									
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
	BDE-33 2',3,4-tribromodiphenylether	EPA 1614	MLA-033									Y																		Y				
		SGS AXYS MLA-033	MLA-033	Y	Y											Y							Y											
PCB Aroclors	"PCBs" category (CA only)	EPA 625	MLA-007																					Y										
		EPA 8270	MLA-007			Y																												
	PCB Aroclor 1016	EPA 1668	MLA-010				Y						Y	Y											Y						Y		Y	
		EPA 625	MLA-007																						Y				Y	Y	Y		Y	
		EPA 8270	MLA-007				Y			Y	Y			Y																				
		SGS AXYS MLA-010	MLA-010				Y							Y											Y									Y	
		SGS AXYS MLA-007	MLA-007		Y		Y							Y		Y							Y		Y									Y	
	PCB Aroclor 1016/1242	EPA 8270	MLA-007									Y																						
	PCB Aroclor 1221	EPA 1668	MLA-010				Y						Y	Y											Y						Y		Y	
		EPA 625	MLA-007																						Y				Y	Y	Y		Y	
		EPA 8270	MLA-007				Y			Y	Y	Y		Y																				
		SGS AXYS MLA-010	MLA-010				Y							Y											Y									Y	
		SGS AXYS MLA-007	MLA-007		Y		Y							Y		Y							Y		Y									Y	
	PCB Aroclor 1232	EPA 1668	MLA-010				Y						Y	Y											Y						Y		Y	
		EPA 625	MLA-007																						Y				Y	Y	Y		Y	
		EPA 8270	MLA-007				Y			Y	Y	Y		Y																				
		SGS AXYS MLA-010	MLA-010				Y							Y											Y									Y	
		SGS AXYS MLA-007	MLA-007		Y		Y							Y		Y							Y		Y									Y	
	PCB Aroclor 1242	EPA 1668	MLA-010				Y						Y	Y											Y						Y		Y	
		EPA 625	MLA-007																						Y				Y	Y	Y		Y	
		EPA 8270	MLA-007				Y			Y	Y			Y																				
		SGS AXYS MLA-010	MLA-010				Y							Y											Y									Y	
		SGS AXYS MLA-007	MLA-007		Y		Y							Y		Y							Y		Y									Y	
	PCB Aroclor 1248	EPA 1668	MLA-010				Y						Y	Y											Y						Y		Y	
		EPA 625	MLA-007																						Y				Y	Y	Y		Y	
		EPA 8270	MLA-007				Y			Y	Y	Y		Y																				
		SGS AXYS MLA-010	MLA-010				Y							Y											Y									Y	
		SGS AXYS MLA-007	MLA-007		Y		Y							Y		Y							Y		Y									Y	
	PCB Aroclor 1254	EPA 1668	MLA-010				Y						Y	Y											Y						Y		Y	
		EPA 625	MLA-007																						Y				Y	Y	Y		Y	
		EPA 8270	MLA-007				Y			Y	Y	Y		Y																				
		SGS AXYS MLA-010	MLA-010				Y							Y											Y									Y	
		SGS AXYS MLA-007	MLA-007		Y		Y							Y		Y							Y		Y									Y	
	PCB Aroclor 1260	EPA 1668	MLA-010				Y						Y	Y											Y						Y		Y	
		EPA 625	MLA-007																						Y				Y	Y	Y		Y	
		EPA 8270	MLA-007				Y			Y	Y	Y		Y																				
		SGS AXYS MLA-010	MLA-010				Y							Y											Y									Y	
		SGS AXYS MLA-007	MLA-007		Y		Y							Y		Y							Y		Y									Y	
	PCB Aroclor 1268	SGS AXYS MLA-007	MLA-007		Y											Y							Y											
PCB congeners	PCB 1 2-Chlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y									Y	
	PCB 10 2,6-Dichlorobiphenyl	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		Y					Y		Y		Y									Y	
	PCB 100 2,2',4,4',6-Pentachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y									Y	

Accreditation Scope

SGS AXYS Analytical Services Ltd.
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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue						Urine	Water	Water, Non-Potable									
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	PCB 101 2,2',4,5,5'-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 101/90/89	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 102 2,2',4,5,6'-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 103 2,2',4,5',6-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 104 2,2',4,6,6'-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 105 2,3,3',4,4'-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 105/127	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 106 2,3,3',4,5-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 107 2,3,3',4',5-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 107/109	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 108 2,3,3',4,5'-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 109 2,3,3',4,6-Pentachlorobiphenyl	EPA 1668	MLA-010				Y		Y	Y	Y	Y	Y	Y							Y				Y		Y	Y	Y	Y			Y	
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y					Y		Y		Y								Y	
	PCB 11 3,3'-Dichlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 110 2,3,3',4',6-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 111 2,3,3',5,5'-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 111/117	EPA 8270	MLA-007									Y																						
	PCB 112 2,3,3',5,6-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 113 2,3,3',5',6-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 114 2,3,4,4',5-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 115 2,3,4,4',6-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 116 2,3,4,5,6-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 117 2,3,4',5,6-Pentachlorobiphenyl	EPA 1668	MLA-010				Y		Y	Y	Y	Y	Y	Y							Y				Y		Y	Y	Y	Y			Y	

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				Serum	Solids											Tissue						Urine	Water	Water, Non-Potable										
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y					Y		Y		Y								Y	
	PCB 118 2,3',4,4',5-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-901	MLA-901	Y																														
	PCB 118/106	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 119 2,3',4,4',6-Pentachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 12 3,4-Dichlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 12/13	EPA 8270	MLA-007									Y																						
	PCB 120 2,3',4,5,5'-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 121 2,3',4,5',6-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 122 2,3,3',4',5'-Pentachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 123 2,3',4,4',5'-Pentachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 124 2,3',4',5,5'-Pentachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 125 2,3',4',5',6-Pentachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 126 3,3',4,4',5-Pentachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 127 3,3',4,5,5'-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 128 2,2',3,3',4,4'-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 129 2,2',3,3',4,5-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 13 3,4'-Dichlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 130 2,2',3,3',4,5'-Hexachlorobiphenyl	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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 131 2,2',3,3',4,6-Hexachlorobiphenyl	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		Y					Y		Y		Y								Y	

Accreditation Scope

SGS AXYS Analytical Services Ltd.
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				Serum	Solids											Tissue						Urine	Water	Water, Non-Potable								
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	PCB 131/142	EPA 8270	MLA-007									Y																					
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										
	PCB 132 2,2',3,3',4,6'-Hexachlorobiphenyl	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		Y					Y		Y		Y								Y
	PCB 132/168	EPA 8270	MLA-007									Y																					
	PCB 133 2,2',3,3',5,5'-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y
	PCB 134 2,2',3,3',5,6-Hexachlorobiphenyl	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		Y					Y		Y		Y								Y
	PCB 134/143	EPA 8270	MLA-007									Y																					
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										
	PCB 135 2,2',3,3',5,6'-Hexachlorobiphenyl	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		Y					Y		Y		Y								Y
	PCB 136 2,2',3,3',6,6'-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										
	PCB 137 2,2',3,4,4',5-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										
	PCB 138 2,2',3,4,4',5'-Hexachlorobiphenyl	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		Y					Y		Y		Y								Y
		SGS AXYS MLA-901	MLA-901	Y																													
	PCB 138/163/164	EPA 8270	MLA-007									Y																					
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										
	PCB 139 2,2',3,4,4',6-Hexachlorobiphenyl	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		Y					Y		Y		Y								Y
	PCB 14 3,5-Dichlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y
	PCB 140 2,2',3,4,4',6'-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y
	PCB 141 2,2',3,4,5,5'-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y
	PCB 142 2,2',3,4,5,6-Hexachlorobiphenyl	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		Y					Y		Y		Y								Y
	PCB 143 2,2',3,4,5,6'-Hexachlorobiphenyl	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		Y					Y		Y		Y								Y
	PCB 144 2,2',3,4,5',6-Hexachlorobiphenyl	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		Y					Y		Y		Y								Y
	PCB 144/135	EPA 8270	MLA-007									Y																					
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										
	PCB 145 2,2',3,4,6,6'-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y
	PCB 146 2,2',3,4',5,5'-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		Y	Y	Y	Y	Y	Y							Y				Y		Y	Y	Y	Y		Y	Y

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids										Tissue						Urine	Water	Water, Non-Potable									
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		EPA 8270	MLA-007									Y																					
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y				Y			Y										Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
		SGS AXYS MLA-901	MLA-901	Y																														
	PCB 147 2,2',3,4',5,6-Hexachlorobiphenyl	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		Y				Y			Y										Y	
	PCB 148 2,2',3,4',5,6'-Hexachlorobiphenyl	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		Y				Y			Y										Y	
	PCB 149 2,2',3,4',5',6-Hexachlorobiphenyl	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		Y				Y			Y										Y	
	PCB 149/139	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 15 4,4'-Dichlorobiphenyl	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		Y				Y			Y										Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 150 2,2',3,4',6,6'-Hexachlorobiphenyl	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		Y				Y			Y										Y	
	PCB 151 2,2',3,5,5',6-Hexachlorobiphenyl	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		Y				Y			Y										Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 152 2,2',3,5,6,6'-Hexachlorobiphenyl	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		Y				Y			Y										Y	
	PCB 153 2,2',4,4',5,5'-Hexachlorobiphenyl	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		Y				Y			Y										Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
		SGS AXYS MLA-901	MLA-901	Y																														
	PCB 154 2,2',4,4',5,6'-Hexachlorobiphenyl	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		Y				Y			Y										Y	
	PCB 155 2,2',4,4',6,6'-Hexachlorobiphenyl	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		Y				Y			Y										Y	
	PCB 156 2,3,3',4,4',5-Hexachlorobiphenyl	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		Y				Y			Y										Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
		SGS AXYS MLA-901	MLA-901	Y																														
	PCB 157 2,3,3',4,4',5'-Hexachlorobiphenyl	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		Y				Y			Y										Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 158 2,3,3',4,4',6-Hexachlorobiphenyl	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		Y				Y			Y										Y	

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SGS AXYS Analytical Services Ltd.
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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue							Urine	Water	Water, Non-Potable								
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025		CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	PCB 158/160	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y								Y										
	PCB 159 2,3,3',4,5,5'-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y			Y		Y							Y
		SGS AXYS MLA-007	MLA-007		Y											Y								Y										
	PCB 16 2,2',3-Trichlorobiphenyl	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		Y					Y			Y		Y							Y
	PCB 16/32	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y								Y										
	PCB 160 2,3,3',4,5,6-Hexachlorobiphenyl	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		Y					Y			Y		Y							Y
		SGS AXYS MLA-007	MLA-007		Y											Y								Y										
	PCB 161 2,3,3',4,5',6-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y			Y		Y							Y
		SGS AXYS MLA-007	MLA-007		Y											Y								Y										
	PCB 162 2,3,3',4',5,5'-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y			Y		Y							Y
	PCB 163 2,3,3',4',5,6-Hexachlorobiphenyl	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		Y					Y			Y		Y							Y
	PCB 164 2,3,3',4',5',6-Hexachlorobiphenyl	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		Y					Y			Y		Y							Y
	PCB 165 2,3,3',5,5',6-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y			Y		Y							Y
	PCB 166 2,3,4,4',5,6-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y			Y		Y							Y
	PCB 167 2,3',4,4',5,5'-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y			Y		Y							Y
	PCB 168 2,3',4,4',5',6-Hexachlorobiphenyl	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		Y					Y			Y		Y							Y
	PCB 169 3,3',4,4',5,5'-Hexachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y			Y		Y							Y
		SGS AXYS MLA-007	MLA-007		Y											Y								Y										
	PCB 17 2,2',4-Trichlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y			Y		Y							Y
		SGS AXYS MLA-007	MLA-007		Y											Y								Y										
	PCB 170 2,2',3,3',4,4',5-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		Y					Y			Y		Y							Y
		SGS AXYS MLA-901	MLA-901	Y																														
	PCB 170/190	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y								Y										
	PCB 171 2,2',3,3',4,4',6-Heptachlorobiphenyl	EPA 1668	MLA-010				Y		Y	Y	Y	Y	Y	Y							Y					Y		Y	Y	Y	Y		Y	Y
		EPA 8270	MLA-007									Y																						

Accreditation Scope

SGS AXYS Analytical Services Ltd.
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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids										Tissue						Urine	Water	Water, Non-Potable									
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y				Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 172 2,2',3,3',4,5,5'-Heptachlorobiphenyl	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		Y				Y		Y		Y								Y	
	PCB 172/192	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 173 2,2',3,3',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		Y				Y		Y		Y								Y	
	PCB 174 2,2',3,3',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		Y				Y		Y		Y								Y	
	PCB 174/181	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 175 2,2',3,3',4,5',6-Heptachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y				Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 176 2,2',3,3',4,6,6'-Heptachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y				Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 177 2,2',3,3',4,5',6'-Heptachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y				Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 178 2,2',3,3',5,5',6-Heptachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y				Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 179 2,2',3,3',5,6,6'-Heptachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y				Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 18 2,2',5-Trichlorobiphenyl	EPA 1668	MLA-010				Y		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		Y				Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 180 2,2',3,4,4',5,5'-Heptachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y				Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
		SGS AXYS MLA-901	MLA-901	Y																														
	PCB 181 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		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		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	Y	
		EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y				Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											

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SGS AXYS Analytical Services Ltd.
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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids										Tissue						Urine	Water	Water, Non-Potable									
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	PCB 184 2,2',3,4,4',6,6'-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		Y					Y		Y		Y								Y	
	PCB 185 2,2',3,4,5,5',6-Heptachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 186 2,2',3,4,5,6,6'-Heptachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 187 2,2',3,4',5,5',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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-901	MLA-901	Y																														
	PCB 187/182	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 188 2,2',3,4',5,6,6'-Heptachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 189 2,3,3',4,4',5,5'-Heptachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 19 2,2',6-Trichlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 190 2,3,3',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		Y					Y		Y		Y								Y	
	PCB 191 2,3,3',4,4',5',6-Heptachlorobiphenyl	EPA 1668	MLA-010				Y		Y	Y	Y	Y	Y	Y							Y				Y		Y	Y	Y	Y			Y	Y
		EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 192 2,3,3',4,5,5',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		Y					Y		Y		Y								Y	
	PCB 193 2,3,3',4',5,5',6-Heptachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 194 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
		SGS AXYS MLA-901	MLA-901	Y																														
	PCB 195 2,2',3,3',4,4',5,6-Octachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 196 2,2',3,3',4,4',5,6'-Octachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 196/203	EPA 8270	MLA-007									Y																						

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids										Tissue						Urine	Water	Water, Non-Potable								
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		SGS AXYS MLA-007	MLA-007		Y										Y							Y											
	PCB 197 2,2',3,3',4,4',6,6'-Octachlorobiphenyl	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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 198 2,2',3,3',4,5,5',6-Octachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 199 2,2',3,3',4,5,5',6'-Octachlorobiphenyl	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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 2 3-Chlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 20 2,3,3'-Trichlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 200 2,2',3,3',4,5,6,6'-Octachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 201 2,2',3,3',4,5',6,6'-Octachlorobiphenyl	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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 202 2,2',3,3',5,5',6,6'-Octachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 203 2,2',3,4,4',5,5',6-Octachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 204 2,2',3,4,4',5,6,6'-Octachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 205 2,3,3',4,4',5,5',6-Octachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 206 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 207 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 208 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 209 Decachlorobiphenyl	EPA 1668	MLA-010				Y		Y	Y	Y	Y	Y	Y					Y						Y		Y	Y	Y	Y		Y	Y	

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				Serum	Solids											Tissue							Urine	Water	Water, Non-Potable								
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		EPA 8270	MLA-007									Y																					
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y					Y		Y		Y								Y
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										
	PCB 21 2,3,4-Trichlorobiphenyl	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		Y					Y		Y		Y								Y
	PCB 22 2,3,4'-Trichlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										
	PCB 23 2,3,5-Trichlorobiphenyl	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		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	Y	Y		Y	Y
		SGS AXYS MLA-010	MLA-010	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							Y										
	PCB 25 2,3',4-Trichlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y
		SGS AXYS MLA-007	MLA-007		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	Y		Y	Y
		EPA 8270	MLA-007									Y																					
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y					Y		Y		Y								Y
		SGS AXYS MLA-007	MLA-007		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		Y	Y
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		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	Y		Y	Y
		EPA 8270	MLA-007									Y																					
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y					Y		Y		Y								Y
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										
	PCB 29 2,4,5-Trichlorobiphenyl	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		Y					Y		Y		Y								Y
	PCB 3 4-Chlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y
	PCB 30 2,4,6-Trichlorobiphenyl	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		Y					Y		Y		Y								Y
	PCB 31 2,4',5-Trichlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										
	PCB 32 2,4',6-Trichlorobiphenyl	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		Y					Y		Y		Y								Y
	PCB 33 2,3',4'-Trichlorobiphenyl	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		Y					Y		Y		Y								Y
	PCB 33/20/21	EPA 8270	MLA-007									Y																					
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										
	PCB 34 2,3',5'-Trichlorobiphenyl	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		Y					Y		Y		Y								Y
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue						Urine	Water	Water, Non-Potable									
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	PCB 35 3,3',4-Trichlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 36 3,3',5-Trichlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 37 3,4,4'-Trichlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 38 3,4,5-Trichlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 39 3,4',5-Trichlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 4 2,2'-Dichlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 4/10	EPA 8270	MLA-007									Y																						
	PCB 40 2,2',3,3'-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 41 2,2',3,4-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 41/71/64/68	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 42 2,2',3,4'-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 42/59	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 43 2,2',3,5-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 44 2,2',3,5'-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 45 2,2',3,6-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 46 2,2',3,6'-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 47 2,2',4,4'-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 47/48/75	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 48 2,2',4,5-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue						Urine	Water	Water, Non-Potable									
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	PCB 49 2,2',4,5'-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 49/43	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 5 2,3-Dichlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 50 2,2',4,6-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		Y	Y	Y	Y	Y	Y							Y				Y		Y	Y	Y	Y			Y	
		EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 51 2,2',4,6'-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		Y	Y	Y	Y	Y	Y							Y				Y		Y	Y	Y	Y			Y	
		EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y					Y		Y		Y								Y	
	PCB 52 2,2',5,5'-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 52/73	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 53 2,2',5,6'-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 54 2,2',6,6'-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 55 2,3,3',4-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 56 2,3,3',4'-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 56/60	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 57 2,3,3',5-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 58 2,3,3',5'-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 59 2,3,3',6-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 6 2,3'-Dichlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 60 2,3,4,4'-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 61 2,3,4,5-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 62 2,3,4,6-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 62/65	EPA 8270	MLA-007									Y																						
	PCB 63 2,3,4',5-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		Y	Y	Y	Y	Y	Y							Y				Y		Y	Y	Y	Y			Y	
		EPA 8270	MLA-007									Y																						

Accreditation Scope

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				Serum	Solids											Tissue						Urine	Water	Water, Non-Potable								
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y					Y		Y		Y								Y	
	PCB 64 2,3,4',6-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 65 2,3,5,6-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 66 2,3',4,4'-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 66/80	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 67 2,3',4,5-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 68 2,3',4,5'-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 69 2,3',4,6-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 7 2,4-Dichlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 7/9	EPA 8270	MLA-007									Y																						
	PCB 70 2,3',4',5-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 70/76	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 71 2,3',4',6-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 72 2,3',5,5'-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 73 2,3',5',6-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 74 2,4,4',5-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-901	MLA-901	Y																														
	PCB 74/61	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 75 2,4,4',6-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 76 2,3',4',5'-Tetrachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 77 3,3',4,4'-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 78 3,3',4,5-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	
	PCB 79 3,3',4,5'-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y					Y		Y		Y								Y	

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				Serum	Solids											Tissue						Urine	Water	Water, Non-Potable									
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	PCB 8 2,4'-Dichlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 8/5	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 80 3,3',5,5'-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		Y	Y	Y	Y	Y	Y							Y				Y		Y	Y	Y	Y			Y	
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y					Y		Y		Y								Y	
	PCB 81 3,4,4',5-Tetrachlorobiphenyl	EPA 1668	MLA-010				Y		Y	Y	Y	Y	Y	Y							Y				Y		Y	Y	Y	Y			Y	
		EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y					Y		Y		Y								Y	
	PCB 82 2,2',3,3',4-Pentachlorobiphenyl	EPA 1668	MLA-010				Y		Y	Y	Y	Y	Y	Y							Y				Y		Y	Y	Y	Y			Y	
		EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y					Y		Y		Y								Y	
	PCB 83 2,2',3,3',5-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 83/108	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 84 2,2',3,3',6-Pentachlorobiphenyl	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		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 85 2,2',3,4,4'-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 85/120	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 86 2,2',3,4,5-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 87 2,2',3,4,5'-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 87/115/116	EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 88 2,2',3,4,6-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 88/121	EPA 8270	MLA-007									Y																						
	PCB 89 2,2',3,4,6'-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 9 2,5-Dichlorobiphenyl	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		Y		Y								Y	
	PCB 90 2,2',3,4',5-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 91 2,2',3,4',6-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	PCB 92 2,2',3,5,5'-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 93 2,2',3,5,6-Pentachlorobiphenyl	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		Y					Y		Y		Y								Y	
	PCB 94 2,2',3,5,6'-Pentachlorobiphenyl	EPA 1668	MLA-010				Y		Y	Y	Y	Y	Y	Y							Y				Y		Y	Y	Y	Y			Y	
		EPA 8270	MLA-007									Y																						

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids										Tissue						Urine	Water	Water, Non-Potable									
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		SGS AXYS MLA-010	MLA-010	Y	Y		Y							Y		Y				Y		Y		Y								Y	
	PCB 95 2,2',3,5',6-Pentachlorobiphenyl	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		Y				Y		Y		Y								Y	
	PCB 95/93	EPA 8270	MLA-007									Y																					
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										
	PCB 96 2,2',3,6,6'-Pentachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y				Y		Y		Y								Y	
	PCB 97 2,2',3,4',5'-Pentachlorobiphenyl	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		Y				Y		Y		Y								Y	
	PCB 97/86	EPA 8270	MLA-007									Y																					
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										
	PCB 98 2,2',3,4',6'-Pentachlorobiphenyl	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		Y				Y		Y		Y								Y	
	PCB 98/102	EPA 8270	MLA-007									Y																					
	PCB 99 2,2',4,4',5-Pentachlorobiphenyl	EPA 1668	MLA-010				Y		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		Y				Y		Y		Y								Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y										
		SGS AXYS MLA-901	MLA-901	Y																													
	PCB congeners, total	EPA 1668	MLA-010							Y																		Y					
	Sum - Dichlorobiphenyls (BZ-12-+ BZ-13)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Heptachlorobiphenyls (BZ-171 + BZ-173)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Heptachlorobiphenyls (BZ-180 + BZ-193)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Heptachlorobiphenyls (BZ-183 + BZ-185)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Hexachlorobiphenyls (BZ-128 + BZ-166)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Hexachlorobiphenyls (BZ-129 + BZ-138 + BZ-160 + BZ-163)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Hexachlorobiphenyls (BZ-134 + BZ-143)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Hexachlorobiphenyls (BZ-135 + BZ-151 + BZ-154)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Hexachlorobiphenyls (BZ-139 + BZ-140)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Hexachlorobiphenyls (BZ-147 + BZ-149)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Hexachlorobiphenyls (BZ-153 + BZ-168)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Hexachlorobiphenyls (BZ-156 + BZ-157)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Pentachlorobiphenyls (BZ-107 + BZ-124)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Pentachlorobiphenyls (BZ-108 + BZ-124)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Pentachlorobiphenyls (BZ-110 + BZ-115)	EPA 1668	MLA-010											Y						Y													Y	

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue						Urine	Water	Water, Non-Potable								
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Pentachlorobiphenyls (BZ-83 + BZ-99)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Pentachlorobiphenyls (BZ-85 + BZ-116 + BZ-117)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Pentachlorobiphenyls (BZ-86 + BZ-87 + BZ 97 + BZ-109 + BZ-119 + BZ-125)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Pentachlorobiphenyls (BZ-86 + BZ-87 + BZ-97 + BZ-108 + BZ-119 +BZ-125)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Pentachlorobiphenyls (BZ-88 + BZ-91)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Pentachlorobiphenyls (BZ-90 + BZ-101 + BZ-113)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Pentachlorobiphenyls (BZ-93 + BZ-95 + BZ-98 + BZ-100 + BZ-102)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Tetrachlorobiphenyls (BZ-40 + BZ-41 + BZ-71)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Tetrachlorobiphenyls (BZ-44 + BZ-47 + BZ-65)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Tetrachlorobiphenyls (BZ-45 + BZ-51)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Tetrachlorobiphenyls (BZ-49 + BZ-69)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Tetrachlorobiphenyls (BZ-50 + BZ-53)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Tetrachlorobiphenyls (BZ-59 + BZ-62 + BZ-75)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Tetrachlorobiphenyls (BZ-61 + BZ-70 + BZ-74 + BZ-76)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Trichlorobiphenyls (BZ-18 + BZ-30)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Trichlorobiphenyls (BZ-20 + BZ-28)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Trichlorobiphenyls (BZ-21 + BZ-33)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Sum - Trichlorobiphenyls (BZ-26 + BZ-29)	EPA 1668	MLA-010											Y						Y													Y	
		SGS AXYS MLA-010	MLA-010											Y						Y													Y	
	Total Dichlorobiphenyls	EPA 1668	MLA-010											Y						Y													Y	
		EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-010	MLA-010	Y	Y									Y		Y				Y			Y											Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y												
	Total Heptachlorobiphenyls	EPA 1668	MLA-010											Y						Y													Y	
		EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-010	MLA-010	Y	Y									Y		Y				Y			Y											Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y												
	Total Hexachlorobiphenyls	EPA 1668	MLA-010											Y						Y													Y	
		EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-010	MLA-010	Y	Y									Y		Y				Y			Y											Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y												
	Total Monochlorobiphenyls	EPA 1668	MLA-010											Y						Y													Y	

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue						Urine	Water	Water, Non-Potable									
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		SGS AXYS MLA-010	MLA-010	Y	Y									Y		Y					Y		Y									Y	
	Total Nonachlorobiphenyls	EPA 1668	MLA-010											Y							Y												Y	
		EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-010	MLA-010	Y	Y									Y		Y					Y		Y									Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	Total Octachlorobiphenyls	EPA 1668	MLA-010											Y							Y												Y	
		EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-010	MLA-010	Y	Y									Y		Y					Y		Y									Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	Total PCBs	EPA 1668	MLA-010											Y							Y												Y	
		SGS AXYS MLA-010	MLA-010											Y							Y												Y	
	Total Pentachlorobiphenyls	EPA 1668	MLA-010											Y							Y												Y	
		EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-010	MLA-010	Y	Y									Y		Y					Y		Y									Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	Total Polychlorinated biphenyls	SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	Total Tetrachlorobiphenyls	EPA 1668	MLA-010											Y							Y												Y	
		EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-010	MLA-010	Y	Y									Y		Y					Y		Y									Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
	Total Trichlorobiphenyls	EPA 1668	MLA-010											Y							Y												Y	
		EPA 8270	MLA-007									Y																						
		SGS AXYS MLA-010	MLA-010	Y	Y									Y		Y					Y		Y									Y	
		SGS AXYS MLA-007	MLA-007		Y											Y							Y											
PCDDF	"Dioxins and Dibenzofurans" category (CA only)	EPA 1613	MLA-017																					Y									
		EPA 8290	MLA-017			Y																												
	1,2,3,4,6,7,8-HpCDD	EPA 1613	MLA-017									Y		Y							Y				Y		Y		Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	1,2,3,4,6,7,8-HpCDF	EPA 1613	MLA-017									Y		Y							Y				Y		Y		Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	1,2,3,4,7,8,9-HpCDF	EPA 1613	MLA-017									Y		Y							Y				Y		Y		Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	1,2,3,4,7,8-HxCDD	EPA 1613	MLA-017									Y		Y							Y				Y		Y		Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	1,2,3,4,7,8-HxCDF	EPA 1613	MLA-017									Y		Y							Y				Y		Y		Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	1,2,3,6,7,8-HxCDD	EPA 1613	MLA-017									Y		Y							Y				Y		Y		Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	1,2,3,6,7,8-HxCDF	EPA 1613	MLA-017									Y		Y							Y				Y		Y		Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	1,2,3,7,8,9-HxCDD	EPA 1613	MLA-017									Y		Y							Y				Y		Y		Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

				Serum	Solids											Tissue							Urine	Water	Water, Non-Potable								
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	1,2,3,7,8,9-HxCDF	EPA 1613	MLA-017									Y		Y							Y				Y		Y	Y	Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	1,2,3,7,8-PeCDD	EPA 1613	MLA-017									Y		Y							Y				Y		Y	Y	Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	1,2,3,7,8-PeCDF	EPA 1613	MLA-017									Y		Y							Y				Y		Y	Y	Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	2,3,4,6,7,8-HxCDF	EPA 1613	MLA-017									Y		Y							Y				Y		Y	Y	Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	2,3,4,7,8-PeCDF	EPA 1613	MLA-017									Y		Y							Y				Y		Y	Y	Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	2,3,7,8-TCDD	EPA 1613	MLA-017									Y		Y							Y				Y		Y	Y	Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	2,3,7,8-TCDF	EPA 1613	MLA-017									Y		Y							Y				Y		Y	Y	Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	OCDD	EPA 1613	MLA-017									Y		Y							Y				Y		Y	Y	Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	OCDF	EPA 1613	MLA-017									Y		Y							Y				Y		Y	Y	Y	Y	Y		Y	
		EPA 8290	MLA-017				Y		Y	Y	Y		Y	Y			Y		Y	Y	Y				Y			Y	Y				Y	
		SGS AXYS MLA-017	MLA-017	Y	Y		Y							Y		Y	Y				Y		Y		Y								Y	
	Total HpCDD	EPA 1613	MLA-017											Y							Y				Y						Y		Y	
		EPA 8290	MLA-017				Y		Y		Y			Y	Y				Y	Y	Y					Y					Y			Y	
		SGS AXYS MLA-017	MLA-017				Y							Y			Y				Y				Y									Y	
	Total HpCDF	EPA 1613	MLA-017											Y							Y				Y						Y		Y	
		EPA 8290	MLA-017				Y		Y		Y			Y	Y				Y	Y	Y					Y					Y			Y	
		SGS AXYS MLA-017	MLA-017				Y							Y			Y				Y				Y									Y	
	Total HxCDD	EPA 1613	MLA-017											Y							Y				Y						Y		Y	
		EPA 8290	MLA-017				Y		Y		Y			Y	Y				Y	Y	Y					Y					Y			Y	
		SGS AXYS MLA-017	MLA-017				Y							Y			Y				Y				Y									Y	
	Total HxCDF	EPA 1613	MLA-017											Y							Y				Y						Y		Y	
		EPA 8290	MLA-017				Y		Y		Y			Y	Y				Y	Y	Y					Y					Y			Y	
		SGS AXYS MLA-017	MLA-017				Y							Y			Y				Y				Y									Y	
	Total PCDD	EPA 1613	MLA-017											Y							Y													Y	
		EPA 8290	MLA-017											Y							Y													Y	
		SGS AXYS MLA-017	MLA-017											Y							Y													Y	
	Total PCDD+PCDF	EPA 1613	MLA-017											Y							Y													Y	
		EPA 8290	MLA-017											Y							Y													Y	
		SGS AXYS MLA-017	MLA-017											Y							Y													Y	
	Total PCDF	EPA 1613	MLA-017											Y							Y													Y	
		EPA 8290	MLA-017											Y							Y													Y	
		SGS AXYS MLA-017	MLA-017											Y							Y													Y	
	Total PeCDD	EPA 1613	MLA-017											Y							Y				Y							Y		Y	
		EPA 8290	MLA-017				Y		Y		Y			Y	Y				Y	Y	Y					Y					Y			Y	

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids										Tissue						Urine	Water	Water, Non-Potable								
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		SGS AXYS MLA-017	MLA-017				Y							Y			Y				Y				Y							Y	
	Total PeCDF	EPA 1613	MLA-017											Y							Y				Y						Y	Y	
		EPA 8290	MLA-017				Y		Y		Y		Y	Y			Y		Y	Y	Y				Y					Y			Y	
		SGS AXYS MLA-017	MLA-017				Y							Y			Y				Y				Y								Y	
	Total TCDD	EPA 1613	MLA-017											Y							Y				Y							Y	Y	
		EPA 8290	MLA-017				Y		Y		Y		Y	Y			Y		Y	Y	Y				Y					Y			Y	
		SGS AXYS MLA-017	MLA-017				Y							Y			Y				Y				Y								Y	
	Total TCDF	EPA 1613	MLA-017											Y							Y				Y							Y	Y	
		EPA 8290	MLA-017				Y		Y		Y		Y	Y			Y		Y	Y	Y				Y					Y			Y	
		SGS AXYS MLA-017	MLA-017				Y							Y			Y				Y				Y								Y	
PFAS	4:2 Fluorotelomersulfonate (4:2 FTS)	SGS AXYS MLA-081	MLA-081																														Y	
		SGS AXYS MLA-089	MLA-089											Y																				
		SGS AXYS MLA-110	MLA-110		Y		Y					Y		Y	Y								Y		Y						Y		Y	Y
	6:2 Fluorotelomersulfonate (6:2 FTS)	SGS AXYS MLA-081	MLA-081																														Y	
		SGS AXYS MLA-089	MLA-089											Y																				
		SGS AXYS MLA-110	MLA-110		Y		Y					Y		Y	Y								Y		Y						Y		Y	Y
	8:2 Fluorotelomersulfonate (8:2 FTS)	SGS AXYS MLA-081	MLA-081																														Y	
		SGS AXYS MLA-089	MLA-089											Y																				
		SGS AXYS MLA-110	MLA-110		Y		Y					Y		Y	Y								Y		Y						Y		Y	Y
	N-Ethylperfluorooctanesulfonamide (N-EtFOSA)	SGS AXYS MLA-110	MLA-110		Y							Y											Y								Y			
	N-Ethylperfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	SGS AXYS MLA-110	MLA-110		Y		Y					Y		Y	Y								Y		Y						Y		Y	Y
	N-Ethylperfluorooctanesulfonamidoethanol (N-EtFOSE)	SGS AXYS MLA-110	MLA-110		Y							Y											Y								Y			
	N-Methylperfluorooctanesulfonamide (N-MeFOSA)	SGS AXYS MLA-110	MLA-110		Y							Y											Y								Y			
	N-Methylperfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	SGS AXYS MLA-110	MLA-110		Y		Y					Y		Y	Y								Y		Y						Y		Y	Y
	N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	SGS AXYS MLA-110	MLA-110		Y							Y											Y								Y			
	Perfluorobutanesulfonate (PFBS)	SGS AXYS MLA-060	MLA-060																				Y		Y	Y	Y						Y	
		SGS AXYS MLA-041	MLA-041		Y		Y	Y	Y					Y																				
		SGS AXYS MLA-043	MLA-043													Y	Y	Y	Y		Y													
		SGS AXYS MLA-042	MLA-042	Y																														
		SGS AXYS MLA-110	MLA-110		Y		Y	Y				Y		Y	Y								Y		Y	Y					Y		Y	Y
	Perfluorobutanoate (PFBA)	SGS AXYS MLA-060	MLA-060																				Y		Y	Y	Y						Y	
		SGS AXYS MLA-041	MLA-041		Y		Y	Y	Y					Y																				
		SGS AXYS MLA-043	MLA-043													Y	Y	Y	Y		Y													
		SGS AXYS MLA-042	MLA-042	Y																														
		SGS AXYS MLA-110	MLA-110		Y		Y	Y				Y		Y	Y								Y		Y	Y					Y		Y	Y
	Perfluorodecanesulfonate (PFDS)	SGS AXYS MLA-110	MLA-110		Y		Y					Y		Y	Y								Y		Y						Y		Y	Y
	Perfluorodecanoate (PFDA)	SGS AXYS MLA-060	MLA-060																				Y		Y	Y	Y						Y	
		SGS AXYS MLA-041	MLA-041		Y		Y	Y	Y					Y																				
		SGS AXYS MLA-043	MLA-043													Y	Y	Y	Y		Y													
		SGS AXYS MLA-042	MLA-042	Y																														
		SGS AXYS MLA-110	MLA-110		Y		Y	Y				Y		Y	Y								Y		Y	Y					Y		Y	Y
	Perfluorododecanesulfonate (PFDoS)	SGS AXYS MLA-110	MLA-110		Y							Y											Y								Y			
	Perfluorododecanoate (PFDoA)	SGS AXYS MLA-060	MLA-060																				Y		Y	Y	Y						Y	
		SGS AXYS MLA-041	MLA-041		Y		Y	Y	Y					Y																				
		SGS AXYS MLA-043	MLA-043													Y	Y	Y	Y		Y													
		SGS AXYS MLA-042	MLA-042	Y																														
		SGS AXYS MLA-110	MLA-110		Y		Y	Y				Y		Y	Y								Y		Y	Y					Y		Y	Y
	Perfluoroheptanesulfonate (PFHpS)	SGS AXYS MLA-110	MLA-110		Y		Y					Y		Y	Y								Y		Y						Y		Y	Y
	Perfluoroheptanoate (PFHpA)	SGS AXYS MLA-060	MLA-060																				Y		Y	Y	Y						Y	
		SGS AXYS MLA-041	MLA-041		Y		Y	Y	Y					Y																				

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				Serum	Solids											Tissue						Urine	Water	Water, Non-Potable									
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		SGS AXYS MLA-043	MLA-043													Y	Y	Y	Y	Y														
		SGS AXYS MLA-042	MLA-042	Y																														
		SGS AXYS MLA-110	MLA-110		Y		Y	Y				Y		Y	Y								Y		Y	Y				Y			Y	Y
	Perfluorohexanesulfonate (PFHxS)	SGS AXYS MLA-060	MLA-060																				Y		Y	Y	Y						Y	
		SGS AXYS MLA-041	MLA-041		Y		Y	Y	Y					Y																				
		SGS AXYS MLA-043	MLA-043													Y	Y	Y	Y	Y														
		SGS AXYS MLA-042	MLA-042	Y																														
		SGS AXYS MLA-110	MLA-110		Y		Y	Y				Y		Y	Y								Y		Y	Y				Y			Y	Y
	Perfluorohexanoate (PFHxA)	SGS AXYS MLA-060	MLA-060																				Y		Y	Y	Y						Y	
		SGS AXYS MLA-041	MLA-041		Y		Y	Y	Y					Y																				
		SGS AXYS MLA-043	MLA-043													Y	Y	Y	Y	Y														
		SGS AXYS MLA-042	MLA-042	Y																														
		SGS AXYS MLA-110	MLA-110		Y		Y	Y				Y		Y	Y								Y		Y	Y				Y			Y	Y
	Perfluorononanesulfonate (PFNS)	SGS AXYS MLA-110	MLA-110		Y		Y					Y		Y	Y								Y		Y					Y			Y	Y
	Perfluorononanoate (PFNA)	SGS AXYS MLA-060	MLA-060																				Y		Y	Y	Y						Y	
		SGS AXYS MLA-041	MLA-041		Y		Y	Y	Y					Y																				
		SGS AXYS MLA-043	MLA-043													Y	Y	Y	Y	Y														
		SGS AXYS MLA-042	MLA-042	Y																														
		SGS AXYS MLA-110	MLA-110		Y		Y	Y				Y		Y	Y								Y		Y	Y				Y			Y	Y
	Perfluorooctanesulfonamide (PFOSA), a.k.a. FOSA	SGS AXYS MLA-060	MLA-060																				Y		Y	Y	Y						Y	
		SGS AXYS MLA-041	MLA-041		Y		Y	Y	Y					Y																				
		SGS AXYS MLA-043	MLA-043													Y	Y	Y	Y	Y														
		SGS AXYS MLA-042	MLA-042	Y																														
		SGS AXYS MLA-110	MLA-110		Y		Y	Y				Y		Y	Y								Y		Y	Y				Y			Y	Y
	Perfluorooctanesulfonate (PFOS)	SGS AXYS MLA-060	MLA-060																				Y		Y	Y	Y						Y	
		SGS AXYS MLA-041	MLA-041		Y		Y	Y	Y					Y																				
		SGS AXYS MLA-043	MLA-043													Y	Y	Y	Y	Y														
		SGS AXYS MLA-042	MLA-042	Y																														
		SGS AXYS MLA-110	MLA-110		Y		Y	Y				Y		Y	Y								Y		Y	Y				Y			Y	Y
	Perfluorooctanoate (PFOA)	SGS AXYS MLA-060	MLA-060																				Y		Y	Y	Y						Y	
		SGS AXYS MLA-041	MLA-041		Y		Y	Y	Y					Y																				
		SGS AXYS MLA-043	MLA-043													Y	Y	Y	Y	Y														
		SGS AXYS MLA-042	MLA-042	Y																														
		SGS AXYS MLA-110	MLA-110		Y		Y	Y				Y		Y	Y								Y		Y	Y				Y			Y	Y
	Perfluoropentanesulfonate (PFPeS)	SGS AXYS MLA-110	MLA-110		Y		Y					Y		Y	Y								Y		Y					Y			Y	Y
	Perfluoropentanoate (PFPeA)	SGS AXYS MLA-060	MLA-060																				Y		Y	Y	Y						Y	
		SGS AXYS MLA-041	MLA-041		Y		Y	Y	Y					Y																				
		SGS AXYS MLA-043	MLA-043													Y	Y	Y	Y	Y														
		SGS AXYS MLA-042	MLA-042	Y																														
		SGS AXYS MLA-110	MLA-110		Y		Y	Y				Y		Y	Y								Y		Y	Y				Y			Y	Y
	Perfluorotetradecanoate (PFTeDA)	SGS AXYS MLA-110	MLA-110		Y		Y	Y				Y		Y									Y		Y	Y				Y			Y	Y
	Perfluorotridecanoate (PFTrDA)	SGS AXYS MLA-110	MLA-110		Y		Y					Y		Y									Y		Y					Y			Y	Y
	Perfluoroundecanoate (PFUnA)	SGS AXYS MLA-060	MLA-060																				Y		Y	Y	Y						Y	
		SGS AXYS MLA-041	MLA-041		Y		Y	Y	Y					Y																				
		SGS AXYS MLA-043	MLA-043													Y	Y	Y	Y	Y														
		SGS AXYS MLA-042	MLA-042	Y																														
		SGS AXYS MLA-110	MLA-110		Y		Y	Y				Y		Y	Y								Y		Y	Y				Y			Y	Y
PPCP	1,7-Dimethylxanthine	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
	10-hydroxy-amitriptyline	SGS AXYS MLA-075	MLA-075		Y																		Y											

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Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids										Tissue						Urine	Water	Water, Non-Potable								
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	2-hydroxy-ibuprofen	SGS AXYS MLA-075	MLA-075		Y																	Y											
	4-Epianhydrochlortetracycline (EACTC)	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																	Y											
	4-Epianhydrotetracycline (EATC)	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																	Y											
	4-Epichlortetracycline (ECTC)	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																	Y											
	4-Epioxytetracycline (EOTC)	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																	Y											
	4-Epitetracycline (ETC)	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																	Y											
	Acetaminophen	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																	Y											
	Albuterol	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																	Y											
	Alprazolam	SGS AXYS MLA-075	MLA-075		Y																	Y											
	Amitriptyline	SGS AXYS MLA-075	MLA-075		Y																	Y											
	Amlodipine	SGS AXYS MLA-075	MLA-075		Y																	Y											
	Amphetamine	SGS AXYS MLA-075	MLA-075		Y																	Y											
	Anhydrochlortetracycline (ACTC)	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																	Y											
	Anhydrotetracycline (ATC)	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																	Y											
	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											
	Benzoylecgonine	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											

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids										Tissue						Urine	Water	Water, Non-Potable								
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	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 anydrate	EPA 1694	MLA-075										Y																			Y		
	Flumequine	EPA 1694	MLA-075										Y																			Y		
		SGS AXYS MLA-075	MLA-075		Y																	Y											
	Fluocinonide	SGS AXYS MLA-075	MLA-075		Y																	Y											
	Fluoxetine	EPA 1694	MLA-075										Y																			Y		
		SGS AXYS MLA-075	MLA-075		Y																	Y											
	Fluticasone propionate	SGS AXYS MLA-075	MLA-075		Y																	Y											
	Furosemide	SGS AXYS MLA-075	MLA-075		Y																	Y											
	Gemfibrozil	EPA 1694	MLA-075										Y																			Y		
		SGS AXYS MLA-075	MLA-075		Y																	Y											
	Glipizide	SGS AXYS MLA-075	MLA-075		Y																	Y											
	Glyburide	SGS AXYS MLA-075	MLA-075		Y																	Y											
	Hydrochlorothiazide	SGS AXYS MLA-075	MLA-075		Y																	Y											
	Hydrocodone	SGS AXYS MLA-075	MLA-075		Y																	Y											
	Hydrocortisone	SGS AXYS MLA-075	MLA-075		Y																	Y											
	Ibuprofen	EPA 1694	MLA-075										Y																			Y		
		SGS AXYS MLA-075	MLA-075		Y																	Y											
	Isochlortetracycline (ICTC)	EPA 1694	MLA-075										Y																			Y		
		SGS AXYS MLA-075	MLA-075		Y																	Y											
	Lincomycin	EPA 1694	MLA-075										Y																			Y		

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue							Urine	Water	Water, Non-Potable								
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025		CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Lomefloxacin	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Meprobamate	SGS AXYS MLA-075	MLA-075		Y																			Y										
	Metformin	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Methylprednisolone	SGS AXYS MLA-075	MLA-075		Y																			Y										
	Metoprolol	SGS AXYS MLA-075	MLA-075		Y																			Y										
	Miconazole	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Minocycline	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Naproxen	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Norfloxacin	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Norfluoxetine	SGS AXYS MLA-075	MLA-075		Y																			Y										
	Norgestimate	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Norverapamil	SGS AXYS MLA-075	MLA-075		Y																			Y										
	Ofloxacin	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Ormetoprim	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Oxacillin	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Oxolinic acid	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Oxycodone	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Oxytetracycline (OTC)	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Paroxetine	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Penicillin G	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Penicillin V	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Prednisolone	SGS AXYS MLA-075	MLA-075		Y																			Y										
	Prednisone	SGS AXYS MLA-075	MLA-075		Y																			Y										
	Promethazine	SGS AXYS MLA-075	MLA-075		Y																			Y										
	Propoxyphene	SGS AXYS MLA-075	MLA-075		Y																			Y										
	Propranolol	SGS AXYS MLA-075	MLA-075		Y																			Y										
	Ranitidine	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Roxithromycin	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Sarafloxacin	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Sertraline	SGS AXYS MLA-075	MLA-075		Y																			Y										
	Simvastatin	SGS AXYS MLA-075	MLA-075		Y																			Y										
	Sulfachloropyridazine	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Sulfadiazine	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										
	Sulfadimethoxine	EPA 1694	MLA-075										Y																				Y		
		SGS AXYS MLA-075	MLA-075		Y																			Y										

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

				Serum	Solids											Tissue							Urine	Water	Water, Non-Potable								
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	Sulfamerazine	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
	Sulfamethazine	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
	Sulfamethizole	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
	Sulfamethoxazole	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
	Sulfanilamide	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
	Sulfathiazole	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
	Tetracycline (TC)	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
	Theophylline	SGS AXYS MLA-075	MLA-075		Y																		Y											
	Thiabendazole	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
	Trenbolone	SGS AXYS MLA-075	MLA-075		Y																		Y											
	Trenbolone acetate	SGS AXYS MLA-075	MLA-075		Y																		Y											
	Triamterene	SGS AXYS MLA-075	MLA-075		Y																		Y											
	Triclocarban	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
	Triclosan	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
	Trimethoprim	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
	Tylosin	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
	Valsartan	SGS AXYS MLA-075	MLA-075		Y																		Y											
	Verapamil	SGS AXYS MLA-075	MLA-075		Y																		Y											
	Virginiamycin	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
	Warfarin	EPA 1694	MLA-075										Y																		Y			
		SGS AXYS MLA-075	MLA-075		Y																		Y											
Targeted Metabolites	11, 14, 17-eicosatrienoic acid (eicosatrienoic acid)	SGS AXYS MLM-001	MLM-001													Y																		
	11, 14-eicosadienoic acid	SGS AXYS MLM-001	MLM-001													Y																		
	3-hydroxytyrosine	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	Acetylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	Acetylornithine	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	Alanine	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	alpha-Aminoadipic acid	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	Arginine	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	Asparagine	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	Aspartate	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	Asymmetric dimethylarginine	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	Butenylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	Butyrylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	C22:5 ISOMER 1 (tentatively all-cis-4, 8, 12, 15, 19-docosapentaenoic acid)	SGS AXYS MLM-001	MLM-001													Y																		
	C22:5 ISOMER 2 (all-cis-7,10,13,16,19-docosapentaenoic acid (DPA)	SGS AXYS MLM-001	MLM-001													Y																		
	C22:5 ISOMER 3 (tentatively all-cis-4, 7, 10, 13, 16-docosapentaenoic acid)	SGS AXYS MLM-001	MLM-001													Y																		
	Carnitine	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	Carnosine	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	chenodeoxycholic acid	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	cholic acid	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	Citrulline	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	Creatinine	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	Decadienylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y							Y											
	decanoic acid (capric acid)	SGS AXYS MLM-001	MLM-001													Y																		

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

				Serum	Solids											Tissue						Urine	Water	Water, Non-Potable								
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	Decanoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Decenoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	deoxycholic acid	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	docosahexaenoic acid (DHA)	SGS AXYS MLM-001	MLM-001													Y																		
	docosatetraenoic acid (adrenic acid)	SGS AXYS MLM-001	MLM-001													Y																		
	Dodecanedioylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Dodecanoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Dodecenoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Dopamine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	eicosapentaenoic acid (EPA)	SGS AXYS MLM-001	MLM-001													Y																		
	Eicosatetraenoic acid (arachidonic acid)	SGS AXYS MLM-001	MLM-001													Y																		
	eicosatrienoic acid (dihomo-γ-linolenic acid)	SGS AXYS MLM-001	MLM-001													Y																		
	Glutaconylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Glutamate	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Glutamine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Glutarylcarnitine (Hydroxyhexanoylcarnitine)	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Glycine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	glycochenodeoxycholic acid	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	glycocholic acid	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	glycodeoxycholic acid	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hexadecadienylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	hexadecanoic acid (palmitic acid)	SGS AXYS MLM-001	MLM-001													Y																		
	Hexadecanoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	hexadecenoic acid (palmitoleic acid)	SGS AXYS MLM-001	MLM-001													Y																		
	Hexadecenoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hexanoylcarnitine (Fumarylcarnitine)	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hexenoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hexose (sum isomers)	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Histamine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Histidine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxyhexadecadienylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxyhexadecanoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxyhexadecenoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxylbutyrylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxyoctadecenoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxyproline	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxypropionylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxysphingomyeline C14:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxysphingomyeline C16:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxysphingomyeline C22:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxysphingomyeline C22:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxysphingomyeline C24:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxytetradecadienylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxytetradecenoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Hydroxyvalerylcarnitine (Methylmalonylcarnitine)	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Isoleucine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Kynurenine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Leucine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	lithocholic acid	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Lysine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	lysoPhosphatidylcholine acyl C14:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	lysoPhosphatidylcholine acyl C16:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	lysoPhosphatidylcholine acyl C16:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	lysoPhosphatidylcholine acyl C17:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	lysoPhosphatidylcholine acyl C18:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	lysoPhosphatidylcholine acyl C18:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	lysoPhosphatidylcholine acyl C18:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	lysoPhosphatidylcholine acyl C20:3	SGS AXYS MLM-001	MLM-001	Y												Y						Y												

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

				Serum	Solids											Tissue						Urine	Water	Water, Non-Potable									
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	lysoPhosphatidylcholine acyl C20:4	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	lysoPhosphatidylcholine acyl C24:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	lysoPhosphatidylcholine acyl C26:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	lysoPhosphatidylcholine acyl C28:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	lysoPhosphatidylcholine acyl C28:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Methionine	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Methioninesulfoxide	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Methylglutarylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Nitrotyrosine	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Nonaylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	octadecadienoic acid (linoleic acid)	SGS AXYS MLM-001	MLM-001													Y																	
	Octadecadienylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	octadecanoic acid (stearic acid)	SGS AXYS MLM-001	MLM-001													Y																	
	Octadecanoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	octadecatrienoic acid (γ-linolenic acid)	SGS AXYS MLM-001	MLM-001													Y																	
	Octadecenoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Octanoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Ornithine	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phenylalanine	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phenylethylamine	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C30:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C30:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C30:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C32:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C32:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C34:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C34:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C34:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C34:3	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C36:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C36:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C36:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C36:3	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C36:4	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C36:5	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C38:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C38:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C38:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C38:3	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C38:5	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C38:6	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C40:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C40:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C40:3	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C40:4	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C40:5	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C40:6	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C42:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C42:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C42:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C42:3	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C42:4	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C42:5	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C44:3	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C44:4	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C44:5	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine acyl-alkyl C44:6	SGS AXYS MLM-001	MLM-001	Y												Y						Y											
	Phosphatidylcholine diacyl C24:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y											

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	Serum	Solids											Tissue						Urine	Water	Water, Non-Potable								
				CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	Phosphatidylcholine diacyl C26:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C28:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C30:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C30:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C32:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C32:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C32:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C32:3	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C34:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C34:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C34:3	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C34:4	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C36:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C36:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C36:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C36:3	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C36:4	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C36:5	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C36:6	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C38:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C38:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C38:3	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C38:4	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C38:5	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C38:6	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C40:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C40:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C40:3	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C40:4	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C40:5	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C40:6	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C42:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C42:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C42:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C42:4	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C42:5	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Phosphatidylcholine diacyl C42:6	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Pimelylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Proline	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Propenoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Propionylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Putrescine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Sarcosine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Serine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Serotonin	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Spermidine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Spermine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Sphingomyeline C16:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Sphingomyeline C16:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Sphingomyeline C18:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Sphingomyeline C18:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Sphingomyeline C20:2	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Sphingomyeline C22:3	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Sphingomyeline C24:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Sphingomyeline C24:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Sphingomyeline C26:0	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Sphingomyeline C26:1	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Symmetric dimethylarginine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												

Accreditation Scope

SGS AXYS Analytical Services Ltd.
file ref.: ACC-101 Rev. 40

				Serum	Solids											Tissue							Urine	Water	Water, Non-Potable								
Compound Class	Compound	Accredited Method ID	SGS AXYS Method ID	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE	Maine DOH	ANAB ISO 17025	ANAB DoD **	CALA	Florida DOH	Minnesota DOH	New Jersey DEP	Virginia DGS	ANAB ISO 17025	CALA	CALA	California DPH	Florida DOH	Minnesota DOH	New Jersey DEP	New York DOH	Virginia DGS	Washington DE *	Maine DOH	Pennsylvania DEP	ANAB ISO 17025	ANAB DoD **
	Taurine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	taurochenodeoxycholic acid	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	taurocholic acid	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	taurodeoxycholic acid	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	taurolithocholic acid	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	tauroursodeoxycholic acid	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Tetradecadienylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	tetradecanoic acid (myristic acid)	SGS AXYS MLM-001	MLM-001													Y																		
	Tetradecanoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Tetradecenoylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Threonine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Tiglylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Total dimethylarginine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Tryptophan	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Tyrosine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	ursodexoycholic acid	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Valerylcarnitine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
	Valine	SGS AXYS MLM-001	MLM-001	Y												Y						Y												
TBBPA	Tetrabromobisphenol A	SGS AXYS MLA-079	MLA-079	Y																			Y											
TOP	Perfluorobutanesulfonate (PFBS)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluorobutanoate (PFBA)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluorodecanesulfonate (PFDS)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluorodecanoate (PFDA)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluorododecanesulfonate (PFDoS)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluorododecanoate (PFDoA)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluoroheptanesulfonate (PFHpS)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluoroheptanoate (PFHpA)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluorohexanesulfonate (PFHxS)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluorohexanoate (PFHxA)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluorononanesulfonate (PFNS)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluorononanoate (PFNA)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluorooctanesulfonate (PFOS)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluorooctanoate (PFOA)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluoropentanesulfonate (PFPeS)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluoropentanoate (PFPeA)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluorotetradecanoate (PFTeDA)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluorotridecanoate (PFTrDA)	SGS AXYS MLA-111	MLA-111		Y																		Y											
	Perfluoroundecanoate (PFUnA)	SGS AXYS MLA-111	MLA-111		Y																		Y											

Note * Analysis of pesticides and PCBs in non-potable water samples by AXYS method MLA-007, with the exception of NPDES or State permitted discharges and Stormwater applications, may fall within the scope of Washington State Department of Ecology solids matrix accreditation, subject to approval of the Ecology Project Manager.

Note ** PFAS by LC-MS/MS compliant with US DoD QSM 5.1 table B-15

Legend

Y	Accreditation scope
BFR	Brominated flame retardants (non-PBDPE)
BPA and mPE	Bisphenol A and mono-Phthalate Esters
HBCDD	Hexabromocyclododecane
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
TBBPA	Tetrabromobisphenol A
TOP	Total Oxidizable Precursors
California DPH	California Department of Public Health, 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)
Maine DOH	Maine Center for Disease Control and Prevention, Department of Health and Human Services, Lab ID CN00003

ANAB DoD	ANSI-ASQ National Accreditation Board, certificate ADE-1861, (US DoD QSM 5.1 Standard)
CALA	Canadian Association for Laboratory Accreditation Inc., Lab ID A2637, (ISO/IEC 17025:2005 Standard)
ANAB ISO 17025	ANSI-ASQ National Accreditation Board, certificate ADE-1861.01, (ISO/IEC 17025:2005 Standard)