

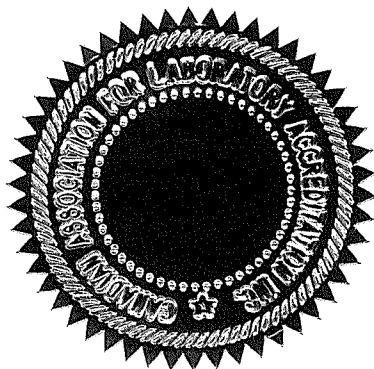
Canadian Association for Laboratory Accreditation Inc.



Certificate of Accreditation

Axys Analytical Services Ltd.
2045 Mills Road
Sidney, British Columbia

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated 18 June 2005).



Accreditation No.: A 2637
Issued on: January 18, 2010
Accreditation Date: January 3, 2005
Expiry Date: January 18, 2013

Chief Executive Officer



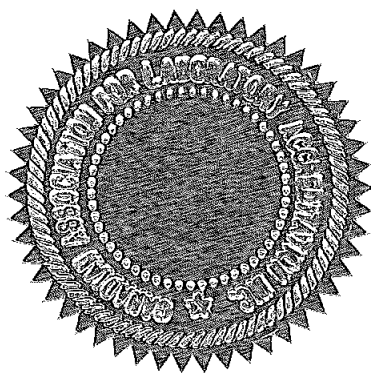
Canadian Association for Laboratory Accreditation Inc.



Certificate of Laboratory Proficiency

Axys Analytical Services Ltd.
2045 Mills Road
Sidney, British Columbia

has been evaluated by the Canadian Association for Laboratory Accreditation Inc.
for specific tests registered with the Association and has been found
to comply with the criteria and standards established by the Association.



Registration No.: 2637
Reissued on: October 1, 2008

A handwritten signature in cursive script, which appears to read "G. Wilson", is written over a horizontal line.

Chief Executive Officer

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CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

Pulp

APPENDIX NO. / NAME

021 Polychlorinated Dioxins/Furans (PCDD/PCDF) - Pulp

<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
HIGH RESOLUTION GC/MS - EXTRACTION	MODIFIED FROM EPA 1613B	MLA-017

Parameters: RDL Range*:

1,2,3,4,6,7,8-Heptachlorodioxin
1,2,3,4,6,7,8-Heptachlorofuran
1,2,3,4,7,8-Hexachlorodioxin
1,2,3,4,7,8-Hexachlorofuran
1,2,3,4,7,8,9-Heptachlorofuran
1,2,3,6,7,8-Hexachlorodioxin
1,2,3,6,7,8-Hexachlorofuran
1,2,3,7,8-Pentachlorodioxin
1,2,3,7,8-Pentachlorofuran
1,2,3,7,8,9-Hexachlorodioxin
1,2,3,7,8,9-Hexachlorofuran
2,3,4,6,7,8-Hexachlorofuran
2,3,4,7,8-Pentachlorofuran
2,3,7,8-Tetrachlorodioxin
2,3,7,8-Tetrachlorofuran
Octachlorodioxin
Octachlorofuran

Solids

APPENDIX NO. / NAME

NEW 039 Pharmaceuticals and Personal Care Products (PPCP) - Solids

<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
LC-MS/MS - ACID EXTRACTION, FORMIC ACID	USEPA 1694	MLA-075

Parameters: RDL Range*:

10-hydroxy-amitriptyline
1,7-Dimethylxanthine
Acetaminophen
Alprazolam
Amitriptyline
Amlodipine
Azithromycin
Benzoyllecgonine
Benztropine
Betamethasone
Caffeine
Carbadox
Carbamazepine
Cefotaxime
Ciprofloxacin
Clarithromycin
Clinafloxacin
Cloxacillin
Cocaine
DEET (N,N-diethyl-m-toluamide)
Dehydronifedipine
Desmethyldiltiazem
Diazepam
Digoxigenin
Digoxin
Diltiazem
Diphenhydramine
Enrofloxacin
Erythromycin
Flumequine
Fluocinonide

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

Fluoxetine
Fluticasone propionate
Hydrocortisone
Lincomycin
Lomefloxacin
Meprobamate
Methylprednisolone
Metoprolol
Miconazole
Norfloxacin
Norfluoxetine
Norgestimate
Norverapamil
Ofloxacin
Ormetoprim
Oxacillin
Oxolinic acid
Paroxetine
Penicillin G
Penicillin V
Prednisolone
Prednisone
Promethazine
Propoxyphene
Propranolol
Roxithromycin
Sarafloxacin
Sertraline
Simvastatin
Sulfachloropyridazine
Sulfadiazine
Sulfadimethoxine
Sulfamerazine
Sulfamethazine
Sulfamethizole
Sulfamethoxazole
Sulfanilamide
Sulfathiazole
Theophylline
Thiabendazole
Trenbolone
Trenbolone acetate
Trimethoprim
Tylosin
Valsartan
Verapamil
Virginiamycin

NEW 040 Pharmaceuticals and Personal Care Products (PPCP) - Solids

METHOD LC-MS/MS - ACID EXTRACTION, ACN
METHOD REFERENCE USEPA 1694

LAB METHOD I.D.
MLA-075

Parameters: RDL Range*:

4-Epianhydrochlortetracycline (EACTC)
4-Epianhydrotetracycline (EATC)
4-Epichlortetracycline (ECTC)
4-Epioxytetracycline (EOTC)
4-Epitetracycline (ETC)
Anhydrochlortetracycline (ACTC)
Anhydrotetracycline (ATC)
Chlortetracycline (CTC)
Demeclocycline
Doxycycline
Isochlortetracycline (ICTC)
Minocycline
Oxytetracycline (OTC)

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

NEW 041 Tetracycline (TC)
Pharmaceuticals and Personal Care Products (PPCP) - Solids
METHOD METHOD REFERENCE LAB METHOD I.D.
LC-MS/MS - ACID EXTRACTION, USEPA 1694 MLA-075
AMMONIUM ACETATE

Parameters: RDL Range*:

2-hydroxy-ibuprofen
Bisphenol A
Furosemide
Gemfibrozil
Glipizide
Glyburide
Hydrochlorothiazide
Ibuprofen
Naproxen
Triclocarban
Triclosan
Warfarin

NEW 042 Pharmaceuticals and Personal Care Products (PPCP) - Solids
METHOD METHOD REFERENCE LAB METHOD I.D.
LC-MS/MS - BASE EXTRACTION USEPA 1694 MLA-075

Parameters: RDL Range*:

Albuterol
Amphetamine
Atenolol
Atorvastatin
Cimetidine
Clonidine
Codeine
Cotinine
Enalapril
Hydrocodone
Metformin
Oxycodone
Ranitidine
Triamterene

Solids (Organic)

APPENDIX NO. / NAME

003 Polychlorinated Biphenyls (PCB)/Organochlorine Pesticides (OCP) - Soil, Sediment
METHOD METHOD REFERENCE LAB METHOD I.D.
GC/MS - EXTRACTION MODIFIED FROM EPA 8270 C MLA-007

Parameters: RDL Range*:

Aldrin
alpha-hexachlorocyclohexane (a-HCH, A-BHC)
Aroclor 1221
Aroclor 1232
Aroclor 1242/1016
Aroclor 1248
Aroclor 1254
Aroclor 1260
Aroclor 1268
beta-hexachlorocyclohexane (a-HCH, a-BHC)
cis-Chlordane (alpha-chlordane)
cis-Nonachlor
Heptachlor
Hexachlorobenzene
Lindane (gamma-BHC)
Mirex
o,p'-DDD

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

o,p'-DDE
o,p'-DDT
Oxychlordanes
p,p'-DDD
p,p'-DDE
p,p'-DDT
PCB 101/90/89
PCB 105/127
PCB 107/109
PCB 110
PCB 114
PCB 118/116
PCB 126
PCB 128
PCB 129
PCB 130
PCB 131/142
PCB 134/143
PCB 136
PCB 137
PCB 138/163/164
PCB 141
PCB 144/135
PCB 146
PCB 149/139
PCB 15
PCB 151
PCB 153
PCB 156
PCB 157
PCB 158/160
PCB 16/32
PCB 169
PCB 17
PCB 170/190
PCB 171
PCB 172/192
PCB 174/181
PCB 175
PCB 176
PCB 177
PCB 178
PCB 179
PCB 18
PCB 180
PCB 183
PCB 185
PCB 187/182
PCB 189
PCB 19
PCB 191
PCB 193
PCB 194
PCB 195
PCB 196/203
PCB 197
PCB 198
PCB 199
PCB 201
PCB 205
PCB 206
PCB 207
PCB 208
PCB 209
PCB 22
PCB 24/27
PCB 25

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 26
PCB 28
PCB 31
PCB 33/20/21
PCB 40
PCB 41/71/64/68
PCB 42/59
PCB 44
PCB 45
PCB 46
PCB 47/48/75
PCB 49/43
PCB 52/73
PCB 56/60
PCB 66/80
PCB 70/76
PCB 74/61
PCB 77
PCB 8/5
PCB 83/108
PCB 84
PCB 85/120
PCB 87/115/116
PCB 91
PCB 95/93
PCB 97/86
PCB 99
Total Decachloro-PCBs
Total Dichloro-PCBs
Total Heptachloro-PCBs
Total Hexachloro-PCBs
Total Nonachloro-PCBs
Total Octachloro-PCBs
Total PCB*
Total Pentachloro-PCBs
Total Tetrachloro-PCBs
Total Trichloro-PCBs
Toxaphene
trans-Chlordane (gamma-chlordane)
trans-Nonachlor

004 Organochlorine Pesticides (OCP) - Soil/Sediment

<u>METHOD</u>	<u>METHOD REFERENCE</u>
GC/ECD - EXTRACTION	MODIFIED FROM EPA 8081 A

LAB METHOD I.D.
MLA-007

Parameters: RDL Range*:

delta-Hexachlorocyclohexane (d-HCH, d-BHC)
Dieldrin
Endosulfan I (alpha-Endosulphan)
Endosulfan II (beta-Endosulphan)
Endosulphan Sulphate
Endrin
Endrin Aldehyde
Endrin Ketone
Heptachlor Epoxide
p,p'-Methoxychlor

011 Polycyclic Aromatic Hydrocarbons (PAH) - Soil, Sediment

<u>METHOD</u>	<u>METHOD REFERENCE</u>
GC/MS - DIGESTION	MODIFIED FROM EPA 8270 C

LAB METHOD I.D.
MLA-021

Parameters: RDL Range*:

Acenaphthene*
Acenaphthylene*
Anthracene*
Benz (e) pyrene

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

Benzo (a) anthracene*
Benzo (a) pyrene*
Benzo (b) fluoranthene*
Benzo (g,h,i) perylene*
Chrysene*
Dibenzo (a,h) anthracene*
Fluoranthene*
Fluorene*
Indeno (1,2,3 - cd) pyrene*
Naphthalene
Perylene
Phenanthrene*
Pyrene*

019 Dioxins/Furans (PCDD/PCDF) - Soil, Sediment

<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
HIGH RESOLUTION GC/MS - EXTRACTION	EPA 1613B	MLA-017

<u>Parameters:</u>	<u>RDL Range*:</u>
--------------------	--------------------

1,2,3,4,6,7,8-Heptachlorodioxin
1,2,3,4,6,7,8-Heptachlorofuran
1,2,3,4,7,8-Hexachlorodioxin
1,2,3,4,7,8-Hexachlorofuran
1,2,3,4,7,8,9-Heptachlorofuran
1,2,3,6,7,8-Hexachlorodioxin
1,2,3,6,7,8-Hexachlorofuran
1,2,3,7,8-Pentachlorodioxin
1,2,3,7,8-Pentachlorofuran
1,2,3,7,8,9-Hexachlorodioxin
1,2,3,7,8,9-Hexachlorofuran
2,3,4,6,7,8-Hexachlorofuran
2,3,4,7,8-Pentachlorofuran
2,3,7,8-Tetrachlorodioxin
2,3,7,8-Tetrachlorofuran
Octachlorodioxin
Octachlorofuran

023 Polychlorinated Biphenyls (PCB) - Soil, Sediment

<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
HIGH RESOLUTION GC/MS	USEPA 1668A	MLA-010

<u>Parameters:</u>	<u>RDL Range*:</u>
--------------------	--------------------

PCB 001
PCB 002
PCB 003
PCB 004
PCB 005
PCB 006
PCB 007
PCB 008
PCB 009
PCB 010
PCB 011
PCB 012
PCB 013
PCB 014
PCB 015
PCB 016
PCB 017
PCB 018
PCB 019
PCB 020
PCB 021
PCB 022
PCB 023
PCB 024

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 025
PCB 026
PCB 027
PCB 028
PCB 029
PCB 030
PCB 031
PCB 032
PCB 033
PCB 034
PCB 035
PCB 036
PCB 037
PCB 038
PCB 039
PCB 040
PCB 041
PCB 042
PCB 043
PCB 044
PCB 045
PCB 046
PCB 047
PCB 048
PCB 049
PCB 050
PCB 051
PCB 052
PCB 053
PCB 054
PCB 055
PCB 056
PCB 057
PCB 058
PCB 059
PCB 060
PCB 061
PCB 062
PCB 063
PCB 064
PCB 065
PCB 066
PCB 067
PCB 068
PCB 069
PCB 070
PCB 071
PCB 072
PCB 073
PCB 074
PCB 075
PCB 076
PCB 077
PCB 078
PCB 079
PCB 080
PCB 081
PCB 082
PCB 083
PCB 084
PCB 085
PCB 086
PCB 087
PCB 088
PCB 089
PCB 090
PCB 091

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 092
PCB 093
PCB 094
PCB 095
PCB 096
PCB 097
PCB 098
PCB 099
PCB 100
PCB 101
PCB 102
PCB 103
PCB 104
PCB 105
PCB 106
PCB 107
PCB 108
PCB 109
PCB 110
PCB 111
PCB 112
PCB 113
PCB 114
PCB 115
PCB 116
PCB 117
PCB 118
PCB 119
PCB 120
PCB 121
PCB 122
PCB 123
PCB 124
PCB 125
PCB 126
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PCB 130
PCB 131
PCB 132
PCB 133
PCB 134
PCB 135
PCB 136
PCB 137
PCB 138
PCB 139
PCB 140
PCB 141
PCB 142
PCB 143
PCB 144
PCB 145
PCB 146
PCB 147
PCB 148
PCB 149
PCB 150
PCB 151
PCB 152
PCB 153
PCB 154
PCB 155
PCB 156
PCB 157
PCB 158

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 159
PCB 160
PCB 161
PCB 162
PCB 163
PCB 164
PCB 165
PCB 166
PCB 167
PCB 168
PCB 169
PCB 170
PCB 171
PCB 172
PCB 173
PCB 174
PCB 175
PCB 176
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PCB 187
PCB 188
PCB 189
PCB 190
PCB 191
PCB 192
PCB 193
PCB 194
PCB 195
PCB 196
PCB 197
PCB 198
PCB 199
PCB 200
PCB 201
PCB 202
PCB 203
PCB 204
PCB 205
PCB 206
PCB 207
PCB 208
PCB 209
Total Dichloro-PCBs
Total Heptachloro-PCBs
Total Hexachloro-PCBs
Total Monochloro-PCBs
Total Nonachloro-PCBs
Total Octachloro-PCBs
Total Pentachloro-PCBs
Total Tetrachloro-PCBs
Total Trichloro-PCBs

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

026	Polybrominated Diphenylethers - Soil, Sediment		
	<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
	HIGH RESOLUTION GC/MS	USEPA 1614	MLA-033

<u>Parameters:</u>	<u>RDL Range*:</u>
2',3,4-tribromodiphenylether (BDE 33)	
2,2',3,3',4,4',5,5',6-nonabromodiphenylether (BDE 206)	
2,2',3,3',4,4',5,5',6,6' -decabromodiphenylether (BDE 209)	
2,2',3,3',4,5,5',6,6' -nonabromodiphenylether (BDE 208)	
2,2' 3,3,4,4,5,6,6 -nonabromodiphenylether (BDE 207)	
2,2',3,4,4',5',6-heptabromodiphenylether (BDE 183)	
2,2',3,4,4',5,6-heptabromodiphenylether (BDE 181)	
2,2',3,4,4',6' -hexabromodiphenylether (BDE 140)	
2,2',3,4,4' -pentabromodiphenylether (BDE 85)	
2,2',4-tribromodiphenylether (BDE 17)	
2,2',4,4',5',6-hexabromodiphenylether (BDE 154)	
2,2',4,4',5-pentabromodiphenylether (BDE 99)	
2,2',4,4',5,5' -hexabromodiphenylether (BDE 153)	
2,2',4,4',6-pentabromodiphenylether (BDE 100)	
2,2',4,4',6,6' -hexabromodiphenylether (BDE 155)	
2,2',4,4' -tetrabromodiphenylether (BDE 47)	
2,2',4,5' -tetrabromodiphenylether (BDE 49)	
2,3',4-tribromodiphenylether (BDE 25)	
2,3',4,4',6-pentabromodiphenylether (BDE 119)	
2,3',4,4' -tetrabromodiphenylether (BDE 66)	
2,3,3',4,4',5,6-heptabromodiphenylether (BDE 190)	
2,3,3',4,4' -pentabromodiphenylether (BDE 105)	
2,3,4,4',5,6-hexabromodiphenylether (BDE 166)	
2,3,4,5,6-pentabromodiphenylether (BDE 116)	
2,4'-dibromodiphenylether (BDE 8)	
2,4-dibromodiphenylether (BDE 7)	
2,4,4',6-tetrabromodiphenylether (BDE 75)	
2,4,4' -tribromodiphenylether (BDE 28)	
2,4,6-tribromodiphenylether (BDE 30)	
2,6-dibromodiphenylether (BDE 10)	
3,3',4-tribromodiphenylether (BDE 35)	
3,3',4,4',5-pentabromodiphenylether (BDE 126)	
3,3',4,4' -tetrabromodiphenylether (BDE 77)	
3,3'-dibromodiphenylether (BDE 11)	
3,4'-dibromodiphenylether (BDE 13)	
3,4-dibromodiphenylether (BDE 12)	
3,4,4'-tribromodiphenylether (BDE 37)	
4,4'-dibromodiphenylether (BDE 15)	

030	Pesticides - Soil, Sediment		
	<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
	HIGH RESOLUTION GC/MS	IN-HOUSE METHOD	MLA-028

<u>Parameters:</u>	<u>RDL Range*:</u>
Aldrin	
alpha-Hexachlorocyclohexane (a-HCH, a-BHC)	
beta-Hexachlorocyclohexane (b-HCH, b-BHC)	
cis-Chlordane (alpha-chlordane)	
cis-Nonachlor	
delta- Hexachlorocyclohexane (d-HCH, d-BHC)	
Dieldrin	
Endosulphan I (alpha-Endosulphan)	
Endosulphan II (beta-Endosulphan)	
Endosulphan Sulphate	
Endrin	
Endrin Aldehyde	
Endrin Ketone	
Heptachlor	
Heptachlor Epoxide	
Hexachlorobenzene	

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

Hexachlorobutadiene
Lindane (gamma-BHC)
Methoxychlor
Mirex
o,p'-DDD
o,p'-DDE
o,p'-DDT
Oxychlordane
p,p'-DDD
p,p'-DDE
p,p'-DDT
trans-Chlordane (gamma-chlordane)
trans-Nonachlor

033 Perfluorinated Organics - Soil, Sediment

<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
LC-MS/MS - EXTRACTION	IN-HOUSE METHOD	MLA-041

Parameters: RDL Range*:

Perfluorobutanesulfonate (PFBS)
Perfluorobutanoate PFBA
Perfluorodecanoate (PFDoA)
Perfluorododecanoate (PFDoA)
Perfluoroheptanoate (PFHpA)
Perfluorohexanesulfonate (PFHxS)
Perfluorohexanoate (PFHxA)
Perfluorononanoate (PFNA)
Perfluorooctane sulfonamide (PFOSA)
Perfluorooctanesulfonate (PFOS)
Perfluorooctanoate (PFOA)
Perfluoropentanoate (PFPeA)
Perfluoroundecanoate (PFUnA)

Tissue

APPENDIX NO. / NAME

007 Polychlorinated Biphenyls (PCB)/Organochlorine Pesticides (OCP) - Tissue

<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
GC/MS - EXTRACTION	MODIFIED FROM EPA 8270 C	MLA-007

Parameters: RDL Range*:

Aldrin
alpha-hexachlorocyclohexane (a-HCH, a-BHC)
Aroclor 1221
Aroclor 1232
Aroclor 1242/1016
Aroclor 1248
Aroclor 1254
Aroclor 1260
Aroclor 1268
beta - Hexachlorocyclohexane (b-HCH, b-BHC)
cis-Chlordane (alpha-chlordane)
cis-Nonachlor
Heptachlor
Hexachlorobenzene
Lindane (gamma-BHC)
Mirex
o,p'-DDD
o,p'-DDE
o,p'-DDT
Oxychlordane
p,p'-DDD
p,p'-DDE
p,p'-DDT
PCB 101/90/89
PCB 105/127

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 107/109
PCB 110
PCB 114
PCB 118/106
PCB 126
PCB 128
PCB 129
PCB 130
PCB 131/142
PCB 134/143
PCB 136
PCB 137
PCB 138/163/164
PCB 141
PCB 144/135
PCB 146
PCB 149/139
PCB 15
PCB 151
PCB 153
PCB 156
PCB 157
PCB 158/160
PCB 16/32
PCB 169
PCB 17
PCB 170/190
PCB 171
PCB 172/192
PCB 174/181
PCB 175
PCB 176
PCB 177
PCB 178
PCB 179
PCB 18
PCB 180
PCB 183
PCB 185
PCB 187/182
PCB 189
PCB 19
PCB 191
PCB 193
PCB 194
PCB 195
PCB 196/203
PCB 197
PCB 198
PCB 199
PCB 201
PCB 205
PCB 206
PCB 207
PCB 208
PCB 209
PCB 22
PCB 24/27
PCB 25
PCB 26
PCB 28
PCB 31
PCB 33/20/21
PCB 40
PCB 41/71/64/68
PCB 42/59
PCB 44

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 45
PCB 46
PCB 47/48/75
PCB 49/43
PCB 52/73
PCB 56/60
PCB 66/80
PCB 70/76
PCB 74/61
PCB 77
PCB 8/5
PCB 83/108
PCB 84
PCB 85/120
PCB 87/115/116
PCB 91
PCB 95/93
PCB 97/86
PCB 99
Total Decachloro-PCBs
Total Dichloro-PCBs
Total Heptachloro-PCBs
Total Hexachloro-PCBs
Total Nonachloro-PCBs
Total Octachloro-PCBs
Total PCBs
Total Pentachloro-PCBs
Total Tetrachloro-PCBs
Total Trichloro-PCBs
Toxaphene
trans-Chlordane (gamma-chlordane)
trans-Nonachlor

008 Organochlorine Pesticides (OCP) - Tissue

<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
GC/ECD - EXTRACTION	MODIFIED FROM EPA 8081 A	MLA-007

<u>Parameters:</u>	<u>RDL Range*:</u>
delta-Hexachlorocyclohexane (d-HCH, d-BHC)	
Dieldrin	
Endosulfan I (alpha-Endosulphan)	
Endosulfan II (beta-Endosulphan)	
Endosulphan Sulphate	
Endrin	
Endrin Aldehyde	
Endrin Ketone	
Heptachlor Epoxide	
p,p'-Methoxychlor	

014 Polycyclic Aromatic Hydrocarbons (PAH) - Tissue

<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
GC/MS - DIGESTION	based on EPA 8270 C	MLA-021

<u>Parameters:</u>	<u>RDL Range*:</u>
Acenaphthene	
Acenaphthylene	
Anthracene	
Benz (a) anthracene	
Benz (e) pyrene	
Benzo (a) pyrene	
Benzo (b) fluoranthene	
Benzo (g,h,i) perylene	
Benzo (k) fluoranthene	
Chrysene	
Dibenz (a,h) anthracene	
Fluoranthene	

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

Fluorene
Indeno (1,2,3-cd) pyrene
Naphthalene
Perylene
Phenanthrene
Pyrene

020 Polychlorinated Dioxins/Furans - Tissue

METHOD HIGH RESOLUTION GC/MS - EXTRACTION
METHOD REFERENCE EPA 1613B

LAB METHOD I.D.
MLA-017

Parameters: RDL Range*:

1,2,3,4,6,7,8-Heptachlorodioxin
1,2,3,4,6,7,8-Heptachlorofuran
1,2,3,4,7,8-Hexachlorodioxin
1,2,3,4,7,8-Hexachlorofuran
1,2,3,4,7,8,9-Heptachlorofuran
1,2,3,6,7,8-Hexachlorodioxin
1,2,3,6,7,8-Hexachlorofuran
1,2,3,7,8-Pentachlorodioxin
1,2,3,7,8-Pentachlorofuran
1,2,3,7,8,9-Hexachlorodioxin
1,2,3,7,8,9-Hexachlorofuran
2,3,4,6,7,8-Hexachlorofuran
2,3,4,7,8-Pentachlorofuran
2,3,7,8-Tetrachlorodioxin
2,3,7,8-Tetrachlorofuran
Octachlorodioxin
Octachlorofuran

022 Polychlorinated Biphenyls (PCB) - Tissue

METHOD HIGH RESOLUTION GC/MS
METHOD REFERENCE USEPA 1668A

LAB METHOD I.D.
MLA-010

Parameters: RDL Range*:

PCB 001
PCB 002
PCB 003
PCB 004
PCB 005
PCB 006
PCB 007
PCB 008
PCB 009
PCB 010
PCB 011
PCB 012
PCB 013
PCB 014
PCB 015
PCB 016
PCB 017
PCB 018
PCB 019
PCB 020
PCB 021
PCB 022
PCB 023
PCB 024
PCB 025
PCB 026
PCB 027
PCB 028
PCB 029
PCB 030
PCB 031

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 032
PCB 033
PCB 034
PCB 035
PCB 036
PCB 037
PCB 038
PCB 039
PCB 040
PCB 041
PCB 042
PCB 043
PCB 044
PCB 045
PCB 046
PCB 047
PCB 048
PCB 049
PCB 050
PCB 051
PCB 052
PCB 053
PCB 054
PCB 055
PCB 056
PCB 057
PCB 058
PCB 059
PCB 060
PCB 061
PCB 062
PCB 063
PCB 064
PCB 065
PCB 066
PCB 067
PCB 068
PCB 069
PCB 070
PCB 071
PCB 072
PCB 073
PCB 074
PCB 075
PCB 076
PCB 077
PCB 078
PCB 079
PCB 080
PCB 081
PCB 082
PCB 083
PCB 084
PCB 085
PCB 086
PCB 087
PCB 088
PCB 089
PCB 090
PCB 091
PCB 092
PCB 093
PCB 094
PCB 095
PCB 096
PCB 097
PCB 098

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 099
PCB 100
PCB 101
PCB 102
PCB 103
PCB 104
PCB 105
PCB 106
PCB 107
PCB 108
PCB 109
PCB 110
PCB 111
PCB 112
PCB 113
PCB 114
PCB 115
PCB 116
PCB 117
PCB 118
PCB 119
PCB 120
PCB 121
PCB 122
PCB 123
PCB 124
PCB 125
PCB 126
PCB 127
PCB 128
PCB 129
PCB 130
PCB 131
PCB 132
PCB 133
PCB 134
PCB 135
PCB 136
PCB 137
PCB 138
PCB 139
PCB 140
PCB 141
PCB 142
PCB 143
PCB 144
PCB 145
PCB 146
PCB 147
PCB 148
PCB 149
PCB 150
PCB 151
PCB 152
PCB 153
PCB 154
PCB 155
PCB 156
PCB 157
PCB 158
PCB 159
PCB 160
PCB 161
PCB 162
PCB 163
PCB 164
PCB 165

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 166
PCB 167
PCB 168
PCB 169
PCB 170
PCB 171
PCB 172
PCB 173
PCB 174
PCB 175
PCB 176
PCB 177
PCB 178
PCB 179
PCB 180
PCB 181
PCB 182
PCB 183
PCB 184
PCB 185
PCB 186
PCB 187
PCB 188
PCB 189
PCB 190
PCB 191
PCB 192
PCB 193
PCB 194
PCB 195
PCB 196
PCB 197
PCB 198
PCB 199
PCB 200
PCB 201
PCB 202
PCB 203
PCB 204
PCB 205
PCB 206
PCB 207
PCB 208
PCB 209
Total Dichloro-PCBs
Total Heptachloro-PCBs
Total Hexachloro-PCBs
Total Monochloro-PCBs
Total Nonachloro-PCBs
Total Octachloro-PCBs
Total Pentachloro-PCBs
Total Tetrachloro-PCBs
Total Trichloro-PCBs

025 Polybrominated Diphenylethers - Tissue

METHOD
HIGH RESOLUTION GC/MS

METHOD REFERENCE
based on USEPA 1614

LAB METHOD I.D.
MLA-033

Parameters:

RDL Range*:

2',3,4-tribromodiphenylether (BDE 33)
2,2',3,3',4,4',5,5',6-nonabromodiphenylether (BDE 206)
2,2',3,3',4,4',5,5',6,6' -decabromodiphenylether (BDE 209)
2,2',3,3',4,5,5',6,6' -nonabromodiphenylether (BDE 208)
2,2',3,3',4,4',5,6,6 -nonabromodiphenylether (BDE 207)
2,2',3,4,4',5,6-heptabromodiphenylether (BDE 183)
2,2',3,4,4',5,6-heptabromodiphenylether (BDE 181)

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

2,2',3,4,4',6' -hexabromodiphenylether (BDE 140)
 2,2',3,4,4' -pentabromodiphenylether (BDE 85)
 2,2',4-tribromodiphenylether (BDE 17)
 2,2',4,4',5',6-hexabromodiphenylether (BDE 154)
 2,2',4,4',5-pentabromodiphenylether (BDE 99)
 2,2',4,4',5,5' -hexabromodiphenylether (BDE 153)
 2,2',4,4',6-pentabromodiphenylether (BDE 100)
 2,2',4,4',6,6' -hexabromodiphenylether (BDE 155)
 2,2',4,4' -tetrabromodiphenylether (BDE 47)
 2,2',4,5' -tetrabromodiphenylether (BDE 49)
 2,3',4-tribromodiphenylether (BDE 25)
 2,3',4,4',6-pentabromodiphenylether (BDE 119)
 2,3',4,4' -tetrabromodiphenylether (BDE 66)
 2,3,3',4,4',5,6-heptabromodiphenylether (BDE 190)
 2,3,3',4,4' -pentabromodiphenylether (BDE 105)
 2,3,4,4',5,6-hexabromodiphenylether (BDE 166)
 2,3,4,5,6-pentabromodiphenylether (BDE 116)
 2,4'-dibromodiphenylether (BDE 8)
 2,4-dibromodiphenylether (BDE 7)
 2,4,4',6-tetrabromodiphenylether (BDE 75)
 2,4,4' -tribromodiphenylether (BDE 28)
 2,4,6-tribromodiphenylether (BDE 30)
 2,6-dibromodiphenylether (BDE 10)
 3,3',4-tribromodiphenylether (BDE 35)
 3,3',4,4',5-pentabromodiphenylether (BDE 126)
 3,3',4,4' -tetrabromodiphenylether (BDE 77)
 3,3'-dibromodiphenylether (BDE 11)
 3,4'-dibromodiphenylether (BDE 13)
 3,4-dibromodiphenylether (BDE 12)
 3,4,4'-tribromodiphenylether (BDE 37)
 4,4'-dibromodiphenylether (BDE 15)

029 Pesticides - Tissue

<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
HIGH RESOLUTION GC/MS	IN-HOUSE METHOD	MLA-028

Parameters: RDL Range*:

Aldrin
 alpha-Hexachlorocyclohexane (a-HCH, a-BHC)
 beta-Hexachlorocyclohexane (b-HCH, b-BHC)
 cis-Chlordane (alpha-chlordane)
 cis-Nonachlor
 delta- Hexachlorocyclohexane
 Dieldrin
 Endosulphan I (alpha-endosulphan)
 Endosulphan II (beta-endosulphan)
 Endosulphan Sulphate
 Endrin
 Endrin Aldehyde
 Endrin Ketone
 Heptachlor
 Heptachlor Epoxide
 Hexachlorobenzene
 Hexachlorobutadiene
 Lindane (gamma BHC)
 Methoxychlor
 Mirex
 o,p'-DDD
 o,p'-DDE
 o,p'-DDT
 Oxychlordane
 p,p'-DDD
 p,p'-DDE
 p,p'-DDT
 trans-Chlordane (gamma-chlordane)
 trans-Nonachlor

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

034 Perfluorinated Organics - Tissue

METHOD
LC-MS/MS - EXTRACTION

METHOD REFERENCE
IN-HOUSE METHOD

LAB METHOD I.D.
MLA-043

Parameters: RDL Range*:

Perfluorobutanesulfonate (PFBS)
Perfluorobutanoate PFBA
Perfluorodecanoate (PFDA)
Perfluorododecanoate (PFDoA)
Perfluoroheptanoate (PFHpA)
Perfluorohexanesulfonate (PFHxS)
Perfluorohexanoate (PFHxA)
Perfluorononanoate (PFNA)
Perfluorooctane sulfonamide (PFOSA)
Perfluorooctanesulfonate (PFOS)
Perfluorooctanoate (PFOA)
Perfluoropentanoate (PFPeA)
Perfluoroundecanoate (PFUnA)

Water (Organic)

APPENDIX NO. / NAME

001 Polychlorinated Biphenyls (PCB)/Organochlorine Pesticides (OCP), - Water

METHOD
GC/MS - EXTRACTION

METHOD REFERENCE
based on EPA 625

LAB METHOD I.D.
MLA-007

Parameters: RDL Range*:

A -BHC*
a - Chlordane*
Aldrin*
Aroclor 1221
Aroclor 1232
Aroclor 1242/1016
Aroclor 1248
Aroclor 1254
Aroclor 1260
Aroclor 1268
beta-hexachlorocyclohexane (b-HCH, b-BHC)
cis-Nonachlor
Heptachlor*
Hexachlorobenzene
Lindane (gamma-BHC)*
Mirex*
o,p' - DDT*
o,p'-DDD
o,p'-DDE
Oxychlordane
p,p' - DDT*
p,p'-DDD
p,p'-DDE
PCB 101/90/89
PCB 105/127
PCB 107/109
PCB 110
PCB 114
PCB 118/106
PCB 126
PCB 128
PCB 129
PCB 130
PCB 131/142
PCB 134/143
PCB 136
PCB 137
PCB 138/163/164

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 141
PCB 144/135
PCB 146
PCB 149/139
PCB 15
PCB 151
PCB 153
PCB 156
PCB 157
PCB 158/160
PCB 16/32
PCB 169
PCB 17
PCB 170/190
PCB 171
PCB 172/192
PCB 174/181
PCB 175
PCB 176
PCB 177
PCB 178
PCB 179
PCB 18
PCB 180
PCB 183
PCB 185
PCB 187/182
PCB 189
PCB 19
PCB 191
PCB 193
PCB 194
PCB 195
PCB 196/203
PCB 197
PCB 198
PCB 199
PCB 201
PCB 205
PCB 206
PCB 207
PCB 208
PCB 209
PCB 22
PCB 24/27
PCB 25
PCB 26
PCB 28
PCB 31
PCB 33/20/21
PCB 40
PCB 41/71/64/68
PCB 42/59
PCB 44
PCB 45
PCB 46
PCB 47/48/75
PCB 49/43
PCB 52/73
PCB 56/60
PCB 66/80
PCB 70/76
PCB 74/61
PCB 77
PCB 8/5
PCB 83/108
PCB 84

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 85/120
PCB 87/115/116
PCB 91
PCB 95/93
PCB 97/86
PCB 99
Total Decachloro-PCBs
Total Dichloro-PCBs
Total Heptachloro-PCBs
Total Hexachloro-PCBs
Total Nonachloro-PCBs
Total Octachloro-PCBs
Total PCB*
Total Pentachloro-PCBs
Total Tetrachloro-PCBs
Total Trichloro-PCBs
Toxaphene
trans-Chlordane (gamma-chlordane)

002 Organochlorine Pesticides (OC) - Water

<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
GC/ECD - EXTRACTION	MODIFIED FROM EPA 608	MLA-007

<u>Parameters:</u>	<u>RDL Range*:</u>
delta-Hexachlorocyclohexane (d-HCH, d-BHC)	
Dieldrin*	
Endosulfan I*	
Endosulfan II*	
Endosulphan Sulphate	
Endrin*	
Endrin Aldehyde	
Endrin Ketone	
Heptachlor Epoxide*	
p,p' Methoxychlor*	

018 Dioxins and Furans (PCDD/PCDF) - Water

<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
HIGH RESOLUTION GC/MS - EXTRACTION	EPA 1613B, EPS1/RM/19	MLA-017

<u>Parameters:</u>	<u>RDL Range*:</u>
1,2,3,4,6,7,8-Heptachlorodioxin	
1,2,3,4,6,7,8-Heptachlorofuran	
1,2,3,4,7,8-Hexachlorodioxin	
1,2,3,4,7,8-Hexachlorofuran	
1,2,3,4,7,8,9-Heptachlorofuran	
1,2,3,6,7,8-Hexachlorodioxin	
1,2,3,6,7,8-Hexachlorofuran	
1,2,3,7,8-Pentachlorodioxin	
1,2,3,7,8-Pentachlorofuran	
1,2,3,7,8,9-Hexachlorodioxin	
1,2,3,7,8,9-Hexachlorofuran	
2,3,4,6,7,8-Hexachlorofuran	
2,3,4,7,8-Pentachlorofuran	
2,3,7,8-Tetrachlorodioxin	
2,3,7,8-Tetrachlorofuran	
Octachlorodioxin	
Octachlorofuran	

024 Polychlorinated Biphenyls (PCB) - Water

<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
HIGH RESOLUTION GC/MS	USEPA 1668A	MLA-010

<u>Parameters:</u>	<u>RDL Range*:</u>
PCB 001	
PCB 002	

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 003
PCB 004
PCB 005
PCB 006
PCB 007
PCB 008
PCB 009
PCB 010
PCB 011
PCB 012
PCB 013
PCB 014
PCB 015
PCB 016
PCB 017
PCB 018
PCB 019
PCB 020
PCB 021
PCB 022
PCB 023
PCB 024
PCB 025
PCB 026
PCB 027
PCB 028
PCB 029
PCB 030
PCB 031
PCB 032
PCB 033
PCB 034
PCB 035
PCB 036
PCB 037
PCB 038
PCB 039
PCB 040
PCB 041
PCB 042
PCB 043
PCB 044
PCB 045
PCB 046
PCB 047
PCB 048
PCB 049
PCB 050
PCB 051
PCB 052
PCB 053
PCB 054
PCB 055
PCB 056
PCB 057
PCB 058
PCB 059
PCB 060
PCB 061
PCB 062
PCB 063
PCB 064
PCB 065
PCB 066
PCB 067
PCB 068
PCB 069

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 070
PCB 071
PCB 072
PCB 073
PCB 074
PCB 075
PCB 076
PCB 077
PCB 078
PCB 079
PCB 080
PCB 081
PCB 082
PCB 083
PCB 084
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PCB 098
PCB 099
PCB 100
PCB 101
PCB 102
PCB 103
PCB 104
PCB 105
PCB 106
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PCB 109
PCB 110
PCB 111
PCB 112
PCB 113
PCB 114
PCB 115
PCB 116
PCB 117
PCB 118
PCB 119
PCB 120
PCB 121
PCB 122
PCB 123
PCB 124
PCB 125
PCB 126
PCB 127
PCB 128
PCB 129
PCB 130
PCB 131
PCB 132
PCB 133
PCB 134
PCB 135
PCB 136

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 137
PCB 138
PCB 139
PCB 140
PCB 141
PCB 142
PCB 143
PCB 144
PCB 145
PCB 146
PCB 147
PCB 148
PCB 149
PCB 150
PCB 151
PCB 152
PCB 153
PCB 154
PCB 155
PCB 156
PCB 157
PCB 158
PCB 159
PCB 160
PCB 161
PCB 162
PCB 163
PCB 164
PCB 165
PCB 166
PCB 167
PCB 168
PCB 169
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PCB 171
PCB 172
PCB 173
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PCB 175
PCB 176
PCB 177
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PCB 182
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PCB 184
PCB 185
PCB 186
PCB 187
PCB 188
PCB 189
PCB 190
PCB 191
PCB 192
PCB 193
PCB 194
PCB 195
PCB 196
PCB 197
PCB 198
PCB 199
PCB 200
PCB 201
PCB 202
PCB 203

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

PCB 204
PCB 205
PCB 206
PCB 207
PCB 208
PCB 209
Total dichloro-PCBs
Total heptachloro-PCBs
Total hexachloro-PCBs
Total monochloro-PCBs
Total nonachloro-PCBs
Total octachloro-PCBs
Total pentachloro-PCBs
Total tetrachloro-PCBs
Total trichloro-PCBs

032 Perfluorinated Organics - Water

<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
LC-MS/MS - EXTRACTION	IN-HOUSE METHOD	MLA-060

Parameters: RDL Range*:

Perfluorobutanesulfonate (PFBS)
Perfluorobutanoate PFBA
Perfluorodecanoate (PFDA)
Perfluorododecanoate (PFDoA)
Perfluorohepanoate (PFHpA)
Perfluorohexanesulfonate (PFHxS)
Perfluorohexanoate (PFHxA)
Perfluorononanoate (PFNA)
Perfluorooctane sulfonamide (PFOSA)
Perfluorooctanesulfonate (PFOS)
Perfluorooctanoate (PFOA)
Perfluoropentanoate (PFPeA)
Perfluoroundecanoate (PFUnA)

NEW 035 Pharmaceuticals and Personal Care Products (PPCP) - Water

<u>METHOD</u>	<u>METHOD REFERENCE</u>	<u>LAB METHOD I.D.</u>
LC-MS/MS - ACID EXTRACTION, FORMIC ACID	USEPA 1694	MLA-075

Parameters: RDL Range*:

10-hydroxy-amitriptyline
1,7-Dimethylxanthine
Acetaminophen
Alprazolam
Amitriptyline
Amlodipine
Azithromycin
Benzoyllecgonine
Benztropine
Betamethasone
Caffeine
Carbadox
Carbamazepine
Cefotaxime
Ciprofloxacin
Clarithromycin
Clinafloxacin
Cloxacillin
Cocaine
DEET (N,N-diethyl-m-toluamide)
Dehydronifedipine
Desmethyldiltiazem
Diazepam
Digoxigenin
Digoxin
Diltiazem

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

Diphenhydramine
Enrofloxacin
Erythromycin
Flumequine
Fluocinonide
Fluoxetine
Fluticasone propionate
Hydrocortisone
Lincomycin
Lomefloxacin
Meprobamate
Methylprednisolone
Metoprolol
Miconazole
Norfloxacin
Norfluoxetine
Norgestimate
Norverapamil
Ofloxacin
Ormetoprim
Oxacillin
Oxolinic acid
Paroxetine
Penicillin G
Penicillin V
Prednisolone
Prednisone
Promethazine
Propoxyphene
Propranolol
Roxithromycin
Sarafloxacin
Sertraline
Simvastatin
Sulfachloropyridazine
Sulfadiazine
Sulfadimethoxine
Sulfamerazine
Sulfamethazine
Sulfamethizole
Sulfamethoxazole
Sulfanilamide
Sulfathiazole
Theophylline
Thiabendazole
Trenbolone
Trenbolone acetate
Trimethoprim
Tylosin
Valsartan
Verapamil
Virginiamycin

NEW 036 Pharmaceuticals and Personal Care Products (PPCP) - Water
METHOD LC-MS/MS - ACID EXTRACTION, ACN
METHOD REFERENCE USEPA 1694

LAB METHOD I.D.
MLA-075

Parameters: RDL Range*:
4-Epianhydrochlortetracycline (EACTC)
4-Epianhydrotetracycline (EATC)
4-Epichlortetracycline (ECTC)
4-Epioxytetracycline (EOTC)
4-Epitetracycline (ETC)
Anhydrochlortetracycline (ACTC)
Anhydrotetracycline (ATC)
Chlortetracycline (CTC)

* CALA Proficiency Testing (PT) Program parameter

CALA ACCREDITATION PROGRAM
FINAL SCOPE OF TESTING

2637

LABORATORY NAME: Axys Analytical Services Ltd.

MATRIX

Demeclocycline
Doxycycline
Isochlortetracycline (ICTC)
Minocycline
Oxytetracycline (OTC)
Tetracycline (TC)

NEW 037 Pharmaceuticals and Personal Care Products (PPCP) - Water

METHOD LC-MS/MS - ACID EXTRACTION, AMMONIUM ACETATE
METHOD REFERENCE USEPA 1694

LAB METHOD I.D.
MLA-075

Parameters: RDL Range*:

2-hydroxy-ibuprofen
Bisphenol A
Furosemide
Gemfibrozil
Glipizide
Glyburide
Hydrochlorothiazide
Ibuprofen
Naproxen
Triclocarban
Triclosan
Warfarin

NEW 038 Pharmaceuticals and Personal Care Products (PPCP) - Water

METHOD LC-MS/MS - BASE EXTRACTION
METHOD REFERENCE USEPA 1694

LAB METHOD I.D.
MLA-075

Parameters: RDL Range*:

Albuterol
Amphetamine
Atenolol
Atorvastatin
Cimetidine
Clonidine
Codeine
Cotinine
Enalapril
Hydrocodone
Metformin
Oxycodone
Ranitidine
Triamterene

† "OSDWA" indicates the appendix is used for the analysis of Ontario drinking water samples, which is subject to the rules and related regulations under the Ontario "**Safe Drinking Water Act**" (2002).

CORRELATION PROVISIO: All tests appearing in the scope of testing must be supported by PT testing where available. Therefore, parameters with a status of Withdrawn, Suspended, or not yet proficient, will NOT appear on the Final Scope of Testing. Once proficiency has been achieved, the affected parameter(s) will appear on the Scope of Testing. Please refer to the CALA Program Description (PO2) for a more detailed explanation of the "Correlation Proviso".

The list of tests and measurement capabilities for which a laboratory is accredited can change at any time due to circumstances such as scope extensions, voluntary withdrawal of tests by the laboratory and suspension. Scopes are published by the CALA via the Internet at http://www.cala.ca/cala_directories.html

* CALA Proficiency Testing (PT) Program parameter