SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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ENVIRONMENTAL

Valid To: November 30, 2013 Certificate Number: 2897.01

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with ISO IEC 17025:2005, the 2003 NELAC Chapter 5 Standard, and the requirements of the DoD Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in the current DoD Quality Systems Manual for Environmental Laboratories) accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

Testing Technologies

High Resolution Gas Chromatography/High Resolution Mass Spectrometry

Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste	Tissue
PCBs			
PCB 1	EPA 1668A	EPA 1668A	EPA 1668A
PCB 2	EPA 1668A	EPA 1668A	EPA 1668A
PCB 3	EPA 1668A	EPA 1668A	EPA 1668A
PCB 4	EPA 1668A	EPA 1668A	EPA 1668A
PCB 5	EPA 1668A	EPA 1668A	EPA 1668A
PCB 6	EPA 1668A	EPA 1668A	EPA 1668A
PCB 7	EPA 1668A	EPA 1668A	EPA 1668A
PCB 8	EPA 1668A	EPA 1668A	EPA 1668A
PCB 9	EPA 1668A	EPA 1668A	EPA 1668A
PCB 10	EPA 1668A	EPA 1668A	EPA 1668A
PCB 11	EPA 1668A	EPA 1668A	EPA 1668A
PCB 12	EPA 1668A	EPA 1668A	EPA 1668A
PCB 13	EPA 1668A	EPA 1668A	EPA 1668A
PCB 14	EPA 1668A	EPA 1668A	EPA 1668A
PCB 15	EPA 1668A	EPA 1668A	EPA 1668A
PCB 16	EPA 1668A	EPA 1668A	EPA 1668A
PCB 17	EPA 1668A	EPA 1668A	EPA 1668A

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Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste	Tissue
PCB 18	EPA 1668A	EPA 1668A	EPA 1668A
PCB 19	EPA 1668A	EPA 1668A	EPA 1668A
PCB 20	EPA 1668A	EPA 1668A	EPA 1668A
PCB 21	EPA 1668A	EPA 1668A	EPA 1668A
PCB 22	EPA 1668A	EPA 1668A	EPA 1668A
PCB 23	EPA 1668A	EPA 1668A	EPA 1668A
PCB 24	EPA 1668A	EPA 1668A	EPA 1668A
PCB 25	EPA 1668A	EPA 1668A	EPA 1668A
PCB 26	EPA 1668A	EPA 1668A	EPA 1668A
PCB 27	EPA 1668A	EPA 1668A	EPA 1668A
PCB 28	EPA 1668A	EPA 1668A	EPA 1668A
PCB 29	EPA 1668A	EPA 1668A	EPA 1668A
PCB 30	EPA 1668A	EPA 1668A	EPA 1668A
PCB 31	EPA 1668A	EPA 1668A	EPA 1668A
PCB 32	EPA 1668A	EPA 1668A	EPA 1668A
PCB 33	EPA 1668A	EPA 1668A	EPA 1668A
PCB 34	EPA 1668A	EPA 1668A	EPA 1668A
PCB 35	EPA 1668A	EPA 1668A	EPA 1668A
PCB 36	EPA 1668A	EPA 1668A	EPA 1668A
PCB 37	EPA 1668A	EPA 1668A	EPA 1668A
PCB 38	EPA 1668A	EPA 1668A	EPA 1668A
PCB 39	EPA 1668A	EPA 1668A	EPA 1668A
PCB 40	EPA 1668A	EPA 1668A	EPA 1668A
PCB 41	EPA 1668A	EPA 1668A	EPA 1668A
PCB 42	EPA 1668A	EPA 1668A	EPA 1668A
PCB 43	EPA 1668A	EPA 1668A	EPA 1668A
PCB 44	EPA 1668A	EPA 1668A	EPA 1668A
PCB 45	EPA 1668A	EPA 1668A	EPA 1668A
PCB 46	EPA 1668A	EPA 1668A	EPA 1668A
PCB 47	EPA 1668A	EPA 1668A	EPA 1668A
PCB 48	EPA 1668A	EPA 1668A	EPA 1668A
PCB 49	EPA 1668A	EPA 1668A	EPA 1668A
PCB 50	EPA 1668A	EPA 1668A	EPA 1668A
PCB 51	EPA 1668A	EPA 1668A	EPA 1668A
PCB 52	EPA 1668A	EPA 1668A	EPA 1668A
PCB 53	EPA 1668A	EPA 1668A	EPA 1668A
PCB 54	EPA 1668A	EPA 1668A	EPA 1668A
PCB 55	EPA 1668A	EPA 1668A	EPA 1668A
PCB 56	EPA 1668A	EPA 1668A	EPA 1668A
PCB 57	EPA 1668A	EPA 1668A	EPA 1668A
PCB 58	EPA 1668A	EPA 1668A	EPA 1668A
PCB 59	EPA 1668A	EPA 1668A	EPA 1668A
PCB 60	EPA 1668A	EPA 1668A	EPA 1668A

Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste	Tissue
PCB 61	EPA 1668A	EPA 1668A	EPA 1668A
PCB 62	EPA 1668A	EPA 1668A	EPA 1668A
PCB 63	EPA 1668A	EPA 1668A	EPA 1668A
PCB 64	EPA 1668A	EPA 1668A	EPA 1668A
PCB 65	EPA 1668A	EPA 1668A	EPA 1668A
PCB 66	EPA 1668A	EPA 1668A	EPA 1668A
PCB 67	EPA 1668A	EPA 1668A	EPA 1668A
PCB 68	EPA 1668A	EPA 1668A	EPA 1668A
PCB 69	EPA 1668A	EPA 1668A	EPA 1668A
PCB 70	EPA 1668A	EPA 1668A	EPA 1668A
PCB 71	EPA 1668A	EPA 1668A	EPA 1668A
PCB 72	EPA 1668A	EPA 1668A	EPA 1668A
PCB 73	EPA 1668A	EPA 1668A	EPA 1668A
PCB 74	EPA 1668A	EPA 1668A	EPA 1668A
PCB 75	EPA 1668A	EPA 1668A	EPA 1668A
PCB 76	EPA 1668A	EPA 1668A	EPA 1668A
PCB 77	EPA 1668A	EPA 1668A	EPA 1668A
PCB 78	EPA 1668A	EPA 1668A	EPA 1668A
PCB 79	EPA 1668A	EPA 1668A	EPA 1668A
PCB 80	EPA 1668A	EPA 1668A	EPA 1668A
PCB 81	EPA 1668A	EPA 1668A	EPA 1668A
PCB 82	EPA 1668A	EPA 1668A	EPA 1668A
PCB 83	EPA 1668A	EPA 1668A	EPA 1668A
PCB 84	EPA 1668A	EPA 1668A	EPA 1668A
PCB 85	EPA 1668A	EPA 1668A	EPA 1668A
PCB 86	EPA 1668A	EPA 1668A	EPA 1668A
PCB 87	EPA 1668A	EPA 1668A	EPA 1668A
PCB 88	EPA 1668A	EPA 1668A	EPA 1668A
PCB 89	EPA 1668A	EPA 1668A	EPA 1668A
PCB 90	EPA 1668A	EPA 1668A	EPA 1668A
PCB 91	EPA 1668A	EPA 1668A	EPA 1668A
PCB 92	EPA 1668A	EPA 1668A	EPA 1668A
PCB 93	EPA 1668A	EPA 1668A	EPA 1668A
PCB 94	EPA 1668A	EPA 1668A	EPA 1668A
PCB 95	EPA 1668A	EPA 1668A	EPA 1668A
PCB 96	EPA 1668A	EPA 1668A	EPA 1668A
PCB 97	EPA 1668A	EPA 1668A	EPA 1668A
PCB 98	EPA 1668A	EPA 1668A	EPA 1668A
PCB 99	EPA 1668A	EPA 1668A	EPA 1668A
PCB 100	EPA 1668A	EPA 1668A	EPA 1668A
PCB 101	EPA 1668A	EPA 1668A	EPA 1668A
PCB 102	EPA 1668A	EPA 1668A	EPA 1668A
PCB 103	EPA 1668A	EPA 1668A	EPA 1668A
PCB 104	EPA 1668A	EPA 1668A	EPA 1668A

Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste	Tissue
PCB 105	EPA 1668A	EPA 1668A	EPA 1668A
PCB 106	EPA 1668A	EPA 1668A	EPA 1668A
PCB 107	EPA 1668A	EPA 1668A	EPA 1668A
PCB 108	EPA 1668A	EPA 1668A	EPA 1668A
PCB 109	EPA 1668A	EPA 1668A	EPA 1668A
PCB 110	EPA 1668A	EPA 1668A	EPA 1668A
PCB 111	EPA 1668A	EPA 1668A	EPA 1668A
PCB 112	EPA 1668A	EPA 1668A	EPA 1668A
PCB 113	EPA 1668A	EPA 1668A	EPA 1668A
PCB 114	EPA 1668A	EPA 1668A	EPA 1668A
PCB 115	EPA 1668A	EPA 1668A	EPA 1668A
PCB 116	EPA 1668A	EPA 1668A	EPA 1668A
PCB 117	EPA 1668A	EPA 1668A	EPA 1668A
PCB 118	EPA 1668A	EPA 1668A	EPA 1668A
PCB 119	EPA 1668A	EPA 1668A	EPA 1668A
PCB 120	EPA 1668A	EPA 1668A	EPA 1668A
PCB 121	EPA 1668A	EPA 1668A	EPA 1668A
PCB 122	EPA 1668A	EPA 1668A	EPA 1668A
PCB 123	EPA 1668A	EPA 1668A	EPA 1668A
PCB 124	EPA 1668A	EPA 1668A	EPA 1668A
PCB 125	EPA 1668A	EPA 1668A	EPA 1668A
PCB 126	EPA 1668A	EPA 1668A	EPA 1668A
PCB 127	EPA 1668A	EPA 1668A	EPA 1668A
PCB 128	EPA 1668A	EPA 1668A	EPA 1668A
PCB 129	EPA 1668A	EPA 1668A	EPA 1668A
PCB 130	EPA 1668A	EPA 1668A	EPA 1668A
PCB 131	EPA 1668A	EPA 1668A	EPA 1668A
PCB 132	EPA 1668A	EPA 1668A	EPA 1668A
PCB 133	EPA 1668A	EPA 1668A	EPA 1668A
PCB 134	EPA 1668A	EPA 1668A	EPA 1668A
PCB 135	EPA 1668A	EPA 1668A	EPA 1668A
PCB 136	EPA 1668A	EPA 1668A	EPA 1668A
PCB 137	EPA 1668A	EPA 1668A	EPA 1668A
PCB 138	EPA 1668A	EPA 1668A	EPA 1668A
PCB 139	EPA 1668A	EPA 1668A	EPA 1668A
PCB 140	EPA 1668A	EPA 1668A	EPA 1668A
PCB 141	EPA 1668A	EPA 1668A	EPA 1668A
PCB 142	EPA 1668A	EPA 1668A	EPA 1668A
PCB 143	EPA 1668A	EPA 1668A	EPA 1668A
PCB 144	EPA 1668A	EPA 1668A	EPA 1668A
PCB 145	EPA 1668A	EPA 1668A	EPA 1668A
PCB 146	EPA 1668A	EPA 1668A	EPA 1668A
PCB 147	EPA 1668A	EPA 1668A	EPA 1668A
PCB 148	EPA 1668A	EPA 1668A	EPA 1668A

Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste	Tissue
PCB 149	EPA 1668A	EPA 1668A	EPA 1668A
PCB 150	EPA 1668A	EPA 1668A	EPA 1668A
PCB 151	EPA 1668A	EPA 1668A	EPA 1668A
PCB 152	EPA 1668A	EPA 1668A	EPA 1668A
PCB 153	EPA 1668A	EPA 1668A	EPA 1668A
PCB 154	EPA 1668A	EPA 1668A	EPA 1668A
PCB 155	EPA 1668A	EPA 1668A	EPA 1668A
PCB 156	EPA 1668A	EPA 1668A	EPA 1668A
PCB 157	EPA 1668A	EPA 1668A	EPA 1668A
PCB 158	EPA 1668A	EPA 1668A	EPA 1668A
PCB 159	EPA 1668A	EPA 1668A	EPA 1668A
PCB 160	EPA 1668A	EPA 1668A	EPA 1668A
PCB 161	EPA 1668A	EPA 1668A	EPA 1668A
PCB 162	EPA 1668A	EPA 1668A	EPA 1668A
PCB 163	EPA 1668A	EPA 1668A	EPA 1668A
PCB 164	EPA 1668A	EPA 1668A	EPA 1668A
PCB 165	EPA 1668A	EPA 1668A	EPA 1668A
PCB 166	EPA 1668A	EPA 1668A	EPA 1668A
PCB 167	EPA 1668A	EPA 1668A	EPA 1668A
PCB 168	EPA 1668A	EPA 1668A	EPA 1668A
PCB 169	EPA 1668A	EPA 1668A	EPA 1668A
PCB 170	EPA 1668A	EPA 1668A	EPA 1668A
PCB 171	EPA 1668A	EPA 1668A	EPA 1668A
PCB 172	EPA 1668A	EPA 1668A	EPA 1668A
PCB 173	EPA 1668A	EPA 1668A	EPA 1668A
PCB 174	EPA 1668A	EPA 1668A	EPA 1668A
PCB 175	EPA 1668A	EPA 1668A	EPA 1668A
PCB 176	EPA 1668A	EPA 1668A	EPA 1668A
PCB 177	EPA 1668A	EPA 1668A	EPA 1668A
PCB 178	EPA 1668A	EPA 1668A	EPA 1668A
PCB 179	EPA 1668A	EPA 1668A	EPA 1668A
PCB 180	EPA 1668A	EPA 1668A	EPA 1668A
PCB 181	EPA 1668A	EPA 1668A	EPA 1668A
PCB 182	EPA 1668A	EPA 1668A	EPA 1668A
PCB 183	EPA 1668A	EPA 1668A	EPA 1668A
PCB 184	EPA 1668A	EPA 1668A	EPA 1668A
PCB 185	EPA 1668A	EPA 1668A	EPA 1668A
PCB 186	EPA 1668A	EPA 1668A	EPA 1668A
PCB 187	EPA 1668A	EPA 1668A	EPA 1668A
PCB 188	EPA 1668A	EPA 1668A	EPA 1668A
PCB 189	EPA 1668A	EPA 1668A	EPA 1668A
PCB 190	EPA 1668A	EPA 1668A	EPA 1668A
PCB 191	EPA 1668A	EPA 1668A	EPA 1668A
PCB 192	EPA 1668A	EPA 1668A	EPA 1668A

Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste	Tissue
PCB 193	EPA 1668A	EPA 1668A	EPA 1668A
PCB 194	EPA 1668A	EPA 1668A	EPA 1668A
PCB 195	EPA 1668A	EPA 1668A	EPA 1668A
PCB 196	EPA 1668A	EPA 1668A	EPA 1668A
PCB 197	EPA 1668A	EPA 1668A	EPA 1668A
PCB 198	EPA 1668A	EPA 1668A	EPA 1668A
PCB 199	EPA 1668A	EPA 1668A	EPA 1668A
PCB 200	EPA 1668A	EPA 1668A	EPA 1668A
PCB 201	EPA 1668A	EPA 1668A	EPA 1668A
PCB 202	EPA 1668A	EPA 1668A	EPA 1668A
PCB 203	EPA 1668A	EPA 1668A	EPA 1668A
PCB 204	EPA 1668A	EPA 1668A	EPA 1668A
PCB 205	EPA 1668A	EPA 1668A	EPA 1668A
PCB 206	EPA 1668A	EPA 1668A	EPA 1668A
PCB 207	EPA 1668A	EPA 1668A	EPA 1668A
PCB 208	EPA 1668A	EPA 1668A	EPA 1668A
PCB 209	EPA 1668A	EPA 1668A	EPA 1668A
Sample Preparation	Liquid Liquid Extraction	Liquid Extraction, ASE, Soxhlet	Soxhlet
Dioxins/Furans			
2,3,7,8-TCDD	EPA 8290	EPA 8290	EPA 8290
1,2,3,7,8-PeCDD	EPA 8290	EPA 8290	EPA 8290
1,2,3,4,7,8-HxCDD	EPA 8290	EPA 8290	EPA 8290
1,2,3,6,7,8-HxCDD	EPA 8290	EPA 8290	EPA 8290
1,2,3,7,8,9-HxCDD	EPA 8290	EPA 8290	EPA 8290
1,2,3,4,6,7,8-HpCDD	EPA 8290	EPA 8290	EPA 8290
OCDD	EPA 8290	EPA 8290	EPA 8290
2,3,7,8-TCDF	EPA 8290	EPA 8290	EPA 8290
1,2,3,7,8-PeCDF	EPA 8290	EPA 8290	EPA 8290
2,3,4,7,8-PeCDF	EPA 8290	EPA 8290	EPA 8290
1,2,3,4,7,8-HxCDF	EPA 8290	EPA 8290	EPA 8290
1,2,3,6,7,8-HxCDF	EPA 8290	EPA 8290	EPA 8290
1,2,3,7,8,9-HxCDF	EPA 8290	EPA 8290	EPA 8290
2,3,4,6,7,8-HxCDF	EPA 8290	EPA 8290	EPA 8290
1,2,3,4,6,7,8-HpCDF	EPA 8290	EPA 8290	EPA 8290
1,2,3,4,7,8,9-HpCDF	EPA 8290	EPA 8290	EPA 8290
OCDF	EPA 8290	EPA 8290	EPA 8290
Sample Preparation	Liquid Liquid Extraction	Liquid Extraction, ASE, Soxhlet	Soxhlet

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below, and for the test methods applicable to NELAC Chapter 5:

Parameter/Analyte	**Potable Water**	**Nonpotable Water**	**Solid Hazardous Waste**	**Foods**
Dioxins/Furans				
2,3,7,8-TCDD	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
1,2,3,7,8-PeCDD	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
1,2,3,4,7,8-HxCDD	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
1,2,3,6,7,8-HxCDD	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
1,2,3,7,8,9-HxCDD	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
1,2,3,4,6,7,8-HpCDD	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
OCDD	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
2,3,7,8-TCDF	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
1,2,3,7,8-PeCDF	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
2,3,4,7,8-PeCDF	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
1,2,3,4,7,8-HxCDF	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
1,2,3,6,7,8-HxCDF	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
1,2,3,7,8,9-HxCDF	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
2,3,4,6,7,8-HxCDF	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
1,2,3,4,6,7,8-HpCDF	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
1,2,3,4,7,8,9-HpCDF	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
OCDF	EPA 1613B	EPA 1613B	EPA 1613B	EPA 1613B
Sample Preparation	Liquid/Liquid	Liquid/liquid	Soxhlet, ASE	Soxhlet, ASE

ASE=accelerated solvent extraction

The American Association for Laboratory Accreditation

World Class Accreditation

Accredited DoD ELAP Laboratory

A2LA has accredited

COLUMBIA ANALYTICAL SERVICES, INC.

Houston, TX

for technical competence in the field of

Environmental Testing

In recognition of the successful completion of the A2LA evaluation process that includes an assessment of the laboratory's compliance with ISO/IEC 17025:2005, the 2003 NELAC Chapter 5 Standard, and the requirements of the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in the current DoD Quality System Manual for Environmental Laboratories (QSM); accreditation is granted to this laboratory to perform recognized EPA methods as defined on the associated A2LA Environmental Scope of Accreditation. This accreditation demonstrates technical competence for this defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 21st day of November 2011.

President & CEO
For the Accreditation Council
Certificate Number 2897.01
Valid to November 30, 2013

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Environmental Scope of Accreditation.