CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

Enthalpy Analytical, LLC
1 Lafayette Rd.
Hampton, NH 03842

has been assessed by ANAB and meets the requirements of international standard

ISO/IEC 17025:2017

and the

U.S. Department of Defense (DoD) Quality Systems Manual for Environmental Laboratories (DoD QSM V5.3)

while demonstrating technical competence in the field of

TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

L2340
Certificate Number

ANAB Approval

Certificate Valid Through: 11/28/2021
Version No. 004 Issued: 01/31/2020

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017 AND U.S. DEPARTMENT OF DEFENSE (DOD) QUALITY SYSTEMS MANUAL FOR ENVIRONMENTAL LABORATORIES (DOD QSM V 5.3)

Enthalpy Analytical, LLC
1 Lafayette Rd.
Hampton, NH 03842
Andrew Moore
603-926-3345

TESTING

Valid to: **November 28, 2021** Certificate Number: **L2340**

Environmental

Non-Potable Water		
Technology	**Method**	**Analyte**
ICP-MS	EPA 200.8	Aluminum
ICP-MS	EPA 200.8	Antimony
ICP-MS	EPA 200.8	Arsenic
ICP-MS	EPA 200.8	Barium
ICP-MS	EPA 200.8	Beryllium
ICP-MS	EPA 200.8	Boron
ICP-MS	EPA 200.8	Cadmium
ICP-MS	EPA 200.8	Calcium
ICP-MS	EPA 200.8	Chromium
ICP-MS	EPA 200.8	Cobalt
ICP-MS	EPA 200.8	Copper
ICP-MS	EPA 200.8	Iron
ICP-MS	EPA 200.8	Lead
ICP-MS	EPA 200.8	Magnesium
ICP-MS	EPA 200.8	Manganese
ICP-MS	EPA 200.8	Molybdenum
ICP-MS	EPA 200.8	Nickel
ICP-MS	EPA 200.8	Potassium
ICP-MS	EPA 200.8	Selenium
ICP-MS	EPA 200.8	Silver

Non-Potable Water		
Technology	**Method**	**Analyte**
ICP-MS	EPA 200.8	Sodium
ICP-MS	EPA 200.8	Thallium
ICP-MS	EPA 200.8	Vanadium
ICP-MS	EPA 200.8	Zinc
CVAF	EPA 245.7	Mercury
Colorimetric	SM-3500 Cr-B	Hexavalent Chromium
Colorimetric	EPA 310.2	Alkalinity
Colorimetric	SM-4500 NH3 G	Ammonia
Colorimetric	SM 4500 NO3 F	Nitrate-Nitrite
Combustion/IR	SM 5310 C	Total Organic Carbon
GC-ECD	EPA 8082A	Aroclor 1016
GC-ECD	EPA 8082A	Aroclor 1221
GC-ECD	EPA 8082A	Aroclor 1232
GC-ECD	EPA 8082A	Arochor 1242
GC-ECD	EPA 8082A	Aroclor 1248
GC-ECD	EPA 8082A	Aroclor 1254
GC-ECD	EPA 8082A	Aroclor 1260
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	PCB Congeners
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,4'-dichlorobiphenyl (PCB 8)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',5-trichlorobiphenyl (PCB 18)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,4,4'-trichlorobiphenyl (PCB 28)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,5'-tetrachlorobiphenyl (PCB 44)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',4,5'-tetrachlorobiphenyl (PCB 49)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',5,5'-tetrachlorobiphenyl (PCB 52)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,3',4,4'-tetrachlorobiphenyl (PCB 66)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4,5'-pentachlorobiphenyl (PCB 87)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',4,5,5'-pentachlorobiphenyl (PCB 101)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,3,3',4,4'-pentachlorobiphenyl (PCB 105)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,3',4,4',5-pentachlorobiphenyl (PCB 118)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,3',4,4'-hexachlorobiphenyl (PCB 128)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',4,4',5,5'-hexachlorobiphenyl (PCB 153)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,3',4,4',5-heptachlorobiphenyl (PCB 170)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4,4',5,5'-heptachlorobiphenyl (PCB 180)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4,4',5',6-heptachlorobiphenyl (PCB 183)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4,4',6,6'-heptachlorobiphenyl (PCB 184)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4',5,5',6-heptachlorobiphenyl (PCB 187)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,3',4,4',5,6-octachlorobiphenyl (PCB 195)

Non-Potable Water		
Technology	**Method**	**Analyte**
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl (PCB 206)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	Decachlorobiphenyl (PCB 209)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	Pentachlorophenol
GC-ECD	EPA 8081B	Pesticides
GC-ECD	EPA 8081B	Hexachlorobenzene
GC-ECD	EPA 8081B	Alpha-BHC
GC-ECD	EPA 8081B	Gamma-BHC (Lindane)
GC-ECD	EPA 8081B	Beta-BHC
GC-ECD	EPA 8081B	Delta-bhc
GC-ECD	EPA 8081B	Heptachlor
GC-ECD	EPA 8081B	Aldrin
GC-ECD	EPA 8081B	Oxychlordane
GC-ECD	EPA 8081B	Chlorpyrifos
GC-ECD	EPA 8081B	Heptachlor Epoxide
GC-ECD	EPA 8081B	Gamma-chlordane
GC-ECD	EPA 8081B	Trans-nonachlor
GC-ECD	EPA 8081B	Alpha-chlordane
GC-ECD	EPA 8081B	Endosulfan I
GC-ECD	EPA 8081B	4,4'-DDE
GC-ECD	EPA 8081B	Dieldrin
GC-ECD	EPA 8081B	Endrin
GC-ECD	EPA 8081B	Cis-nonachlor
GC-ECD	EPA 8081B	4,4'-DDD
GC-ECD	EPA 8081B	Endosulfan II
GC-ECD	EPA 8081B	Toxaphene
GC-ECD	EPA 8081B	4,4'-DDT
GC-ECD	EPA 8081B	Endrin Aldehyde
GC-ECD	EPA 8081B	Endosulfan Sulfate
GC-ECD	EPA 8081B	Methoxychlor
GC-ECD	EPA 8081B	Endrin Ketone
Preparation	**Method**	**Type**
Acid Digestion	EPA 200.8	Acid Digestion
Liquid Extraction	EPA 3510C	Liquid-Liquid Extraction
Cleanup	EPA 3620C MOD	Florisil Cleanup
Cleanup	EPA 3630C MOD	Silica Gel Cleanup
Cleanup	EPA 3660B	Sulfur Cleanup
Cleanup	EPA 3665A	Sulfuric Acid/Permanganate Cleanup

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
ICP-MS	EPA 6020B	Aluminum
ICP-MS	EPA 6020B	Antimony
ICP-MS	EPA 6020B	Arsenic
ICP-MS	EPA 6020B	Barium
ICP-MS	EPA 6020B	Beryllium
ICP-MS	EPA 6020B	Boron
ICP-MS	EPA 6020B	Cadmium
ICP-MS	EPA 6020B	Calcium
ICP-MS	EPA 6020B	Chromium
ICP-MS	EPA 6020B	Cobalt
ICP-MS	EPA 6020B	Copper
ICP-MS	EPA 6020B	Iron
ICP-MS	EPA 6020B	Lead
ICP-MS	EPA 6020B	Magnesium
ICP-MS	EPA 6020B	Manganese
ICP-MS	EPA 6020B	Molybdenum
ICP-MS	EPA 6020B	Nickel
ICP-MS	EPA 6020B	Potassium
ICP-MS	EPA 6020B	Selenium
ICP-MS	EPA 6020B	Silver
ICP-MS	EPA 6020B	Sodium
ICP-MS	EPA 6020B	Thallium
ICP-MS	EPA 6020B	Vanadium
ICP-MS	EPA 6020B	Zinc
CVAF	EPA 245.7	Mercury
GC-ECD	EPA 8082A	Aroclor 1016
GC-ECD	EPA 8082A	Aroclor 1221
GC-ECD	EPA 8082A	Aroclor 1232
GC-ECD	EPA 8082A	Aroclor 1242
GC-ECD	EPA 8082A	Aroclor 1248
GC-ECD	EPA 8082A	Aroclor 1254
GC-ECD	EPA 8082A	Aroclor 1260
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	PCB Congeners
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,4'-dichlorobiphenyl (PCB 8)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',5-trichlorobiphenyl (PCB 18)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,4,4'-trichlorobiphenyl (PCB 28)

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,5'-tetrachlorobiphenyl (PCB 44)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',4,5'-tetrachlorobiphenyl (PCB 49)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',5,5'-tetrachlorobiphenyl (PCB 52)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,3',4,4'-tetrachlorobiphenyl (PCB 66)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4,5'-pentachlorobiphenyl (PCB 87)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',4,5,5'-pentachlorobiphenyl (PCB 101)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,3,3',4,4'-pentachlorobiphenyl (PCB 105)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,3',4,4',5-pentachlorobiphenyl (PCB 118)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,3',4,4'-hexachlorobiphenyl (PCB 128)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',4,4',5,5'-hexachlorobiphenyl (PCB 153)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,3',4,4',5-heptachlorobiphenyl (PCB 170)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4,4',5,5'-heptachlorobiphenyl (PCB 180)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4,4',5',6-heptachlorobiphenyl (PCB 183)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4,4',6,6'-heptachlorobiphenyl (PCB 184)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4',5,5',6-heptachlorobiphenyl (PCB 187)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,3',4,4',5,6-octachlorobiphenyl (PCB 195)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl (PCB 206)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	Decachlorobiphenyl (PCB 209)
Combustion/IR	EPA 9060	Total Organic Carbon
GC-ECD	EPA 8081B	Hexachlorobenzene
GC-ECD	EPA 8081B	Alpha-BHC
GC-ECD	EPA 8081B	Gamma-BHC (Lindane)
GC-ECD	EPA 8081B	Beta-BHC
GC-ECD	EPA 8081B	Delta-bhc
GC-ECD	EPA 8081B	Heptachlor
GC-ECD	EPA 8081B	Aldrin
GC-ECD	EPA 8081B	Oxychlordane
GC-ECD	EPA 8081B	Chlorpyrifos
GC-ECD	EPA 8081B	Heptachlor Epoxide
GC-ECD	EPA 8081B	Gamma-chlordane
GC-ECD	EPA 8081B	Trans-nonachlor
GC-ECD	EPA 8081B	Alpha-chlordane
GC-ECD	EPA 8081B	Endosulfan I
GC-ECD	EPA 8081B	4,4'-DDE
GC-ECD	EPA 8081B	Dieldrin
GC-ECD	EPA 8081B	Endrin
GC-ECD	EPA 8081B	Cis-nonachlor

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-ECD	EPA 8081B	4,4'-DDD
GC-ECD	EPA 8081B	Endosulfan II
GC-ECD	EPA 8081B	Toxaphene
GC-ECD	EPA 8081B	4,4'-DDT
GC-ECD	EPA 8081B	Endrin Aldehyde
GC-ECD	EPA 8081B	Endosulfan Sulfate
GC-ECD	EPA 8081B	Methoxychlor
GC-ECD	EPA 8081B	Endrin Ketone
GC-Mass Spectrometer	EPA 8270E (SIM)	Napthalene
GC-Mass Spectrometer	EPA 8270E (SIM)	Acenapthylene
GC-Mass Spectrometer	EPA 8270E (SIM)	Acenapthene
GC-Mass Spectrometer	EPA 8270E (SIM)	Fluorene
GC-Mass Spectrometer	EPA 8270E (SIM)	Phenanthrene
GC-Mass Spectrometer	EPA 8270E (SIM)	Anthracene
GC-Mass Spectrometer	EPA 8270E (SIM)	Fluoranthene
GC-Mass Spectrometer	EPA 8270E (SIM)	Pyrene
GC-Mass Spectrometer	EPA 8270E (SIM)	Benzo[a]anthracene
GC-Mass Spectrometer	EPA 8270E (SIM)	Chrysene
GC-Mass Spectrometer	EPA 8270E (SIM)	Benzo[b]fluoranthene
GC-Mass Spectrometer	EPA 8270E (SIM)	Benzo[k]fluoranthene
GC-Mass Spectrometer	EPA 8270E (SIM)	Benzo[a]pyrene
GC-Mass Spectrometer	EPA 8270E (SIM)	Indeno[1,2,3-cd]pyrene
GC-Mass Spectrometer	EPA 8270E (SIM)	Dibenz[a,h]anthracene
GC-Mass Spectrometer	EPA 8270E (SIM)	Benzo[g,h,i]perylene
Preparation	**Method**	**Type**
Acid Digestion	EPA 3050B	AcidDigestion
Solid Extraction	EPA 3570 MOD	Microscale Solvent Extraction
Cleanup	EPA 3620C MOD	Florisil Cleanup
Cleanup	EPA 3630C MOD	Silica Gel Cleanup
Cleanup	EPA 3660B	Sulfur Cleanup
Cleanup	EPA 3665A	Sulfuric Acid/Permanganate Cleanup

Biological Tissue		
Technology	**Method**	**Analyte**
ICP-MS	EPA 6020B	Aluminum
ICP-MS	EPA 6020B	Antimony

Biological Tissue		
Technology	**Method**	**Analyte**
ICP-MS	EPA 6020B	Arsenic
ICP-MS	EPA 6020B	Barium
ICP-MS	EPA 6020B	Beryllium
ICP-MS	EPA 6020B	Boron
ICP-MS	EPA 6020B	Cadmium
ICP-MS	EPA 6020B	Calcium
ICP-MS	EPA 6020B	Chromium
ICP-MS	EPA 6020B	Cobalt
ICP-MS	EPA 6020B	Copper
ICP-MS	EPA 6020B	Iron
ICP-MS	EPA 6020B	Lead
ICP-MS	EPA 6020B	Magnesium
ICP-MS	EPA 6020B	Manganese
ICP-MS	EPA 6020B	Molybdenum
ICP-MS	EPA 6020B	Nickel
ICP-MS	EPA 6020B	Potassium
ICP-MS	EPA 6020B	Selenium
ICP-MS	EPA 6020B	Silver
ICP-MS	EPA 6020B	Sodium
ICP-MS	EPA 6020B	Thallium
ICP-MS	EPA 6020B	Vanadium
ICP-MS	EPA 6020B	Zinc
CVAF	EPA 245.7	Mercury
GC-ECD	EPA 8082A	Aroclor 1016
GC-ECD	EPA 8082A	Aroclor 1221
GC-ECD	EPA 8082A	Aroclor 1232
GC-ECD	EPA 8082A	Aroclor 1242
GC-ECD	EPA 8082A	Aroclor 1248
GC-ECD	EPA 8082A	Aroclor 1254
GC-ECD	EPA 8082A	Aroclor 1260
GC-ECD	EPA 8081B	Hexachlorobenzene
GC-ECD	EPA 8081B	Alpha-BHC
GC-ECD	EPA 8081B	Gamma-BHC (Lindane)
GC-ECD	EPA 8081B	Beta-BHC
GC-ECD	EPA 8081B	Delta-bhc
GC-ECD	EPA 8081B	Heptachlor
GC-ECD	EPA 8081B	Aldrin

Biological Tissue		
Technology	**Method**	**Analyte**
GC-ECD	EPA 8081B	Oxychlordane
GC-ECD	EPA 8081B	Chlorpyrifos
GC-ECD	EPA 8081B	Heptachlor Epoxide
GC-ECD	EPA 8081B	Gamma-chlordane
GC-ECD	EPA 8081B	Trans-nonachlor
GC-ECD	EPA 8081B	Alpha-chlordane
GC-ECD	EPA 8081B	Endosulfan I
GC-ECD	EPA 8081B	4,4'-DDE
GC-ECD	EPA 8081B	Dieldrin
GC-ECD	EPA 8081B	Endrin
GC-ECD	EPA 8081B	Cis-nonachlor
GC-ECD	EPA 8081B	4,4'-DDD
GC-ECD	EPA 8081B	Endosulfan II
GC-ECD	EPA 8081B	Toxaphene
GC-ECD	EPA 8081B	4,4'-DDT
GC-ECD	EPA 8081B	Endrin Aldehyde
GC-ECD	EPA 8081B	Endosulfan Sulfate
GC-ECD	EPA 8081B	Methoxychlor
GC-ECD	EPA 8081B	Endrin Ketone
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	PCB Congeners
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,4'-dichlorobiphenyl (PCB 8)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',5-trichlorobiphenyl (PCB 18)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,4,4'-trichlorobiphenyl (PCB 28)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,5'-tetrachlorobiphenyl (PCB 44)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',4,5'-tetrachlorobiphenyl (PCB 49)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',5,5'-tetrachlorobiphenyl (PCB 52)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,3',4,4'-tetrachlorobiphenyl (PCB 66)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4,5'-pentachlorobiphenyl (PCB 87)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',4,5,5'-pentachlorobiphenyl (PCB 101)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,3,3',4,4'-pentachlorobiphenyl (PCB 105)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,3',4,4',5-pentachlorobiphenyl (PCB 118)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,3',4,4'-hexachlorobiphenyl (PCB 128)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',4,4',5,5'-hexachlorobiphenyl (PCB 153)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,3',4,4',5-heptachlorobiphenyl (PCB 170)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4,4',5,5'-heptachlorobiphenyl (PCB 180)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4,4',5',6-heptachlorobiphenyl (PCB 183)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4,4',6,6'-heptachlorobiphenyl (PCB 184)

Biological Tissue		
Technology	**Method**	**Analyte**
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,4',5,5',6-heptachlorobiphenyl (PCB 187)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,3',4,4',5,6-octachlorobiphenyl (PCB 195)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl (PCB 206)
GC-Mass Spectrometer	EPA 8270E Modified (SIM)	Decachlorobiphenyl (PCB 209)
Preparation	**Method**	**Type**
Acid Digestion	EPA 3050B	Acid Digestion
Tissue Extraction	EPA 3570 MOD	Microscale Solvent Extraction
Cleanup	EPA 3620C MOD	Florisil Cleanup
Cleanup	EPA 3630C MOD	Silica Gel Cleanup
Cleanup	EPA 3660B	Sulfur Cleanup
Cleanup	EPA 3665A	Sulfuric Acid/Permanganate Cleanup

Toxicology- Whole Effluent Testing		
Technology	**Method**	**Analyte**
Bioassay	EPA-821-R-02-013, Method 1000	Fathead Minnow Larval Survival & Growth, Chronic Assay
Bioassay	EPA-821-R-02-013, Method 1002	Ceriodaphnia dubia Survival & Reproduction, Chronic Assay
Bioassay	EPA-821-R-02-014, Method 1007	Mysidopsis bahia Survival, Growth, & Fecundity, Chronic Assay
Bioassay	EPA-821-R-02-014, Method 1008	Arbacia punctulata Sperm Immobilization, Chronic Assay
Bioassay	EPA-821-R-02-014, Method 1006	Menidia beryllina Larval Survival & Growth, Chronic Assay
Bioassay	EPA-821-R-02-012, Method 2000	Fathead Minnow, Acute Assay
Bioassay	EPA-821-R-02-012, Method 2002	Ceriodaphnia dubia, Acute Assay
Bioassay	EPA-821-R-02-012, Method 2007	Americamysis bahia, Acute Assay
Bioassay	EPA-821-R-02-012, Method 2006	Menidia beryllina, Acute Assay

Toxicology – Sediment and Soil		
Technology	**Method**	**Analyte**
Bioassay	ASTM E 1706 EPA 600-R-99-064, Method 100.1	Fresh Water Amphipod 10-day Acute Exposure Assay (eg. Hyalella azteca)
Bioassay	ASTM E 1706 EPA 600-R-99-064, Method 100.2	Freshwater Midge Larvae10-day Acute Exposure Assay (eg. Chironomus dilutus)
Bioassay	EPA 600-R-99-064, Method 100.3	Lumbriculus variegatus 28-day Bioaccumulation Assay
Bioassay	EPA 600-R-99-064, Method 100.4	Fresh Water Amphipod 28/42-day Chronic Exposure Assay (eg. Hyalella azteca)
Bioassay	ASTM E 1706 EPA 600-R-99-064, Method 100.5	Freshwater Midge Larvae Life Cycle Chronic Exposure Assay with 20 day endpoint (eg. Chironomus dilutus)
Bioassay	ASTM E 1367 EPA 600/R-01/020	Estuarine/Marine Amphipod 10-day Chronic Exposure Assay (eg. Leptocheirus plumulosus)
Bioassay	EPA 600/R-01/020	Estuarine/Marine Amphipod 28-day Chronic Exposure Assay (eg. Leptocheirus plumulosus)
Bioassay	ASTM E 1563	Echinoderm Embryo Acute Exposure Assay (eg. Arbacia punctulata)
Bioassay	ASTM E 1611	Marine Polychaete Sediment Toxicity Test (Neanthes arenaceodentata)
Bioassay	ASTM E 1688	Benthic Invertebrate Bioaccumulation Evaluation (eg. Nereis virens, Macoma nasuta, Eisneia fetida, Lumbriculus variegatus, Leptocheirus plumulosus, Hyalella azteca)
Bioassay	EPA 823-B-98-004	Acute Exposure, 10-day, Marine Sediment Evaluation (eg. Leptocheirus plumulosus, Ampelisca abdita)
Bioassay	EPA 823-B-98-004	Acute Exposure Water Column, Suspended Particulate Phase, Invertebrate Assays
Bioassay	EPA 823-B-98-004	Benthic Invertebrate Bioaccumulation Evaluation (eg. Nereis virens, Macoma nasuta)
Bioassay	ASTM E 1963	Terestrial Plant Acute and Chronic Exposure Toxicity Testing (eg. Brassica rapa, Lolium perenne, Lactuca sativa, Trifolium pratense and Lemna minor.)
Bioassay	ASTM E 1676	Soil toxicity or bioaccumulation test with earthworms (eg. Eisenia fetida)

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2340