CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

Enthalpy Analytical, LLC

2323 Fifth Street
Berkeley, CA 94710

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

ISO/IEC 17025:2005

and the

U.S. Department of Defense (DoD) Quality Systems Manual for Environmental Laboratories (DoD QSM V5.1.1)

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

L2442
Certificate Number

ANAB Approval

Certificate Valid Through: 06/29/2020
Version No. 006 Issued: 09/03/2019

This laboratory is accredited in accordance with the recognized 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 to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005 AND U.S. DEPARTMENT OF DEFENSE (DOD) QUALITY SYSTEMS MANUAL FOR ENVIRONMENTAL LABORATORIES (DOD QSM V5.1.1)

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TESTING

Valid to: **June 29, 2020** Certificate Number: **L2442**

Environmental

Non-Potable Water		
Technology	**Method**	**Analyte**
GC-FID	EPA 8015B/ 8015D	Gasoline Range Organics (GRO, TPH-G)
GC-FID	EPA 8015B/ 8015D	Diesel Range Organics (DRO, TPH-D)
GC-FID	RSK-175	Acetylene
GC-FID	RSK-175	Ethane
GC-FID	RSK-175	Ethene
GC-FID	RSK-175	Methane
GC-PID	EPA 8021B	Benzene
GC-PID	EPA 8021B	Toluene
GC-PID	EPA 8021B	Ethylbenzene
GC-PID	EPA 8021B	m,p-Xylenes
GC-PID	EPA 8021B	o-Xylene
GC-ECD	EPA 8081A/ 8081B	Aldrin
GC-ECD	EPA 8081A/ 8081B	a-BHC
GC-ECD	EPA 8081A/ 8081B	b-BHC
GC-ECD	EPA 8081A/ 8081B	d-BHC
GC-ECD	EPA 8081A/ 8081B	g-BHC
GC-ECD	EPA 8081A/ 8081B	Chlordane (Technical)
GC-ECD	EPA 8081A/ 8081B	a-Chlordane

Non-Potable Water		
Technology	**Method**	**Analyte**
GC-ECD	EPA 8081A/ 8081B	g-Chlordane
GC-ECD	EPA 8081A/ 8081B	4,4'-DDD
GC-ECD	EPA 8081A/ 8081B	4,4'-DDE
GC-ECD	EPA 8081A/ 8081B	4,4'-DDT
GC-ECD	EPA 8081A/ 8081B	Dieldrin
GC-ECD	EPA 8081A/ 8081B	Endosulfan I
GC-ECD	EPA 8081A/ 8081B	Endosulfan II
GC-ECD	EPA 8081A/ 8081B	Endosulfan Sulfate
GC-ECD	EPA 8081A/ 8081B	Endrin
GC-ECD	EPA 8081A/ 8081B	Endrin Aldehyde
GC-ECD	EPA 8081A/ 8081B	Endrin Ketone
GC-ECD	EPA 8081A/ 8081B	Heptachlor
GC-ECD	EPA 8081A/ 8081B	Heptachlor Epoxide
GC-ECD	EPA 8081A/ 8081B	Methoxychlor
GC-ECD	EPA 8081A/ 8081B	Toxaphene
GC-ECD	EPA 8082/ 8082A	Arochlor 1016
GC-ECD	EPA 8082/ 8082A	Arochlor 1221
GC-ECD	EPA 8082/ 8082A	Arochlor 1232
GC-ECD	EPA 8082/ 8082A	Arochlor 1242
GC-ECD	EPA 8082/ 8082A	Arochlor 1248
GC-ECD	EPA 8082/ 8082A	Arochlor 1254
GC-ECD	EPA 8082/ 8082A	Arochlor 1260
GC-MS	EPA 8260B/ 8260C	1,1,1,2-Tetrachloroethane
GC-MS	EPA 8260B/ 8260C	1,1,1-Trichloroethane
GC-MS	EPA 8260B/ 8260C	1,1,2,2-Tetrachloroethane
GC-MS	EPA 8260B/ 8260C	1,1,2-Trichloroethane
GC-MS	EPA 8260B/ 8260C	1,1-Dichloroethane
GC-MS	EPA 8260B/ 8260C	1,1-Dichloroethene
GC-MS	EPA 8260B/ 8260C	1,1-Dichloropropene
GC-MS	EPA 8260B/ 8260C	1,2,3-Trichlorobenzene
GC-MS	EPA 8260B/ 8260C	1,2,3-Trichloropropane
GC-MS	EPA 8260B/ 8260C	1,2,4-Trichlorobenzene
GC-MS	EPA 8260B/ 8260C	1,2,4-Trimethylbenzene
GC-MS	EPA 8260B/ 8260C	1,2-Dibromo-3-Chloropropane

Non-Potable Water		
Technology	**Method**	**Analyte**
GC-MS	EPA 8260B/ 8260C	1,2-Dibromoethane
GC-MS	EPA 8260B/ 8260C	1,2-Dichlorobenzene
GC-MS	EPA 8260B/ 8260C	1,2-Dichloroethane
GC-MS	EPA 8260B/ 8260C	1,2-Dichloropropane
GC-MS	EPA 8260B/ 8260C	1,3,5-Trimethylbenzene
GC-MS	EPA 8260B/ 8260C	1,3-Dichlorobenzene
GC-MS	EPA 8260B/ 8260C	1,3-Dichloropropane
GC-MS	EPA 8260B/ 8260C	1,4-Dichlorobenzene
GC-MS	EPA 8260B/ 8260C	2,2-Dichloropropane
GC-MS	EPA 8260B/ 8260C	2-Butanone
GC-MS	EPA 8260B/ 8260C	2-Chlorotoluene
GC-MS	EPA 8260B/ 8260C	2-Hexanone
GC-MS	EPA 8260B/ 8260C	4-Chlorotoluene
GC-MS	EPA 8260B/ 8260C	4-Methyl-2-Pentanone
GC-MS	EPA 8260B/ 8260C	Acetone
GC-MS	EPA 8260B/ 8260C	Benzene
GC-MS	EPA 8260B/ 8260C	Bromobenzene
GC-MS	EPA 8260B/ 8260C	Bromochloromethane
GC-MS	EPA 8260B/ 8260C	Bromodichloromethane
GC-MS	EPA 8260B/ 8260C	Bromoform
GC-MS	EPA 8260B/ 8260C	Bromomethane
GC-MS	EPA 8260B/ 8260C	Carbon Disulfide
GC-MS	EPA 8260B/ 8260C	Carbon Tetrachloride
GC-MS	EPA 8260B/ 8260C	Chlorobenzene
GC-MS	EPA 8260B/ 8260C	Chloroethane
GC-MS	EPA 8260B/ 8260C	Chloroform
GC-MS	EPA 8260B/ 8260C	Chloromethane
GC-MS	EPA 8260B/ 8260C	cis-1,2-Dichloroethene
GC-MS	EPA 8260B/ 8260C	cis-1,3-Dichloropropene
GC-MS	EPA 8260B/ 8260C	Dibromochloromethane
GC-MS	EPA 8260B/ 8260C	Dibromomethane
GC-MS	EPA 8260B/ 8260C	Ethylbenzene
GC-MS	EPA 8260B/ 8260C	Ethyl tert-Butyl Ether (ETBE)
GC-MS	EPA 8260B/ 8260C	Freon 113

Non-Potable Water		
Technology	**Method**	**Analyte**
GC-MS	EPA 8260B/ 8260C	Freon 12
GC-MS	EPA 8260B/ 8260C	Hexachlorobutadiene
GC-MS	EPA 8260B/ 8260C	Isopropylbenzene
GC-MS	EPA 8260B/ 8260C	Isopropyl Ether (DIPE)
GC-MS	EPA 8260B/ 8260C	m,p-Xylenes
GC-MS	EPA 8260B/ 8260C	Methylene Chloride
GC-MS	EPA 8260B/ 8260C	Methyl tert-Amyl Ether (TAME)
GC-MS	EPA 8260B/ 8260C	Methyl tert-Butyl Ether (MTBE)
GC-MS	EPA 8260B/ 8260C	Naphthalene
GC-MS	EPA 8260B/ 8260C	n-Butylbenzene
GC-MS	EPA 8260B/ 8260C	o-Xylene
GC-MS	EPA 8260B/ 8260C	para-Isopropyl Toluene
GC-MS	EPA 8260B/ 8260C	Propylbenzene
GC-MS	EPA 8260B/ 8260C	sec-Butylbenzene
GC-MS	EPA 8260B/ 8260C	Styrene
GC-MS	EPA 8260B/ 8260C	tert-Butyl Alcohol (TBA)
GC-MS	EPA 8260B/ 8260C	tert-Butylbenzene
GC-MS	EPA 8260B/ 8260C	Tetrachloroethene
GC-MS	EPA 8260B/ 8260C	Toluene
GC-MS	EPA 8260B/ 8260C	trans-1,2-Dichloroethene
GC-MS	EPA 8260B/ 8260C	trans-1,3-Dichloropropene
GC-MS	EPA 8260B/ 8260C	Trichloroethene
GC-MS	EPA 8260B/ 8260C	Trichlorofluoromethane
GC-MS	EPA 8260B/ 8260C	Vinyl Acetate
GC-MS	EPA 8260B/ 8260C	Vinyl Chloride
GC-MS	EPA 8270C/ 8270D	1,2,4-Trichlorobenzene
GC-MS	EPA 8270C/ 8270D	1,2-Dichlorobenzene
GC-MS	EPA 8270C/ 8270D	1,3-Dichlorobenzene
GC-MS	EPA 8270C/ 8270D	1,4-Dichlorobenzene
GC-MS	EPA 8270C/ 8270D	2,4,5-Trichlorophenol
GC-MS	EPA 8270C/ 8270D	2,4,6-Trichlorophenol
GC-MS	EPA 8270C/ 8270D	2,4-Dichlorophenol
GC-MS	EPA 8270C/ 8270D	2,4-Dimethylphenol
GC-MS	EPA 8270C/ 8270D	2,4-Dinitrophenol

Non-Potable Water		
Technology	**Method**	**Analyte**
GC-MS	EPA 8270C/ 8270D	2,4-Dinitrotoluene
GC-MS	EPA 8270C/ 8270D	2,6-Dinitrotoluene
GC-MS	EPA 8270C/ 8270D	2-Chloronaphthalene
GC-MS	EPA 8270C/ 8270D	2-Chlorophenol
GC-MS	EPA 8270C/ 8270D	2-Methylnaphthalene
GC-MS	EPA 8270C/ 8270D	2-Methylphenol
GC-MS	EPA 8270C/ 8270D	2-Nitroaniline
GC-MS	EPA 8270C/ 8270D	2-Nitrophenol
GC-MS	EPA 8270C/ 8270D	3,3'-Dichlorobenzidine
GC-MS	EPA 8270C/ 8270D	3-Nitroaniline
GC-MS	EPA 8270C/ 8270D	4,6-Dinitro-2-methylphenol
GC-MS	EPA 8270C/ 8270D	4-Bromophenyl-phenylether
GC-MS	EPA 8270C/ 8270D	4-Chloro-3-methylphenol
GC-MS	EPA 8270C/ 8270D	4-Chloroaniline
GC-MS	EPA 8270C/ 8270D	4-Chlorophenyl-phenylether
GC-MS	EPA 8270C/ 8270D	4-Methylphenol
GC-MS	EPA 8270C/ 8270D	4-Nitroaniline
GC-MS	EPA 8270C/ 8270D	4-Nitrophenol
GC-MS	EPA 8270C/ 8270D	Acenaphthene
GC-MS	EPA 8270C/ 8270D	Acenaphthylene
GC-MS	EPA 8270C/ 8270D	Anthracene
GC-MS	EPA 8270C/ 8270D	Azobenzene
GC-MS	EPA 8270C/ 8270D	Benzo(a)anthracene
GC-MS	EPA 8270C/ 8270D	Benzo(a)pyrene
GC-MS	EPA 8270C/ 8270D	Benzo(b)fluoranthene
GC-MS	EPA 8270C/ 8270D	Benzo(g,h,i)perylene
GC-MS	EPA 8270C/ 8270D	Benzo(k)fluoranthene
GC-MS	EPA 8270C/ 8270D	Benzoic acid
GC-MS	EPA 8270C/ 8270D	Benzyl alcohol
GC-MS	EPA 8270C/ 8270D	bis(2-Chloroethoxy)methane
GC-MS	EPA 8270C/ 8270D	bis(2-Chloroethyl)ether
GC-MS	EPA 8270C/ 8270D	bis(2-Chloroisopropyl) ether
GC-MS	EPA 8270C/ 8270D	bis(2-Ethylhexyl)phthalate
GC-MS	EPA 8270C/ 8270D	Butylbenzylphthalate

Non-Potable Water		
Technology	**Method**	**Analyte**
GC-MS	EPA 8270C/ 8270D	Chrysene
GC-MS	EPA 8270C/ 8270D	Dibenz(a,h)anthracene
GC-MS	EPA 8270C/ 8270D	Dibenzofuran
GC-MS	EPA 8270C/ 8270D	Diethylphthalate
GC-MS	EPA 8270C/ 8270D	Dimethylphthalate
GC-MS	EPA 8270C/ 8270D	Di-n-butylphthalate
GC-MS	EPA 8270C/ 8270D	Di-n-octylphthalate
GC-MS	EPA 8270C/ 8270D	Fluoranthene
GC-MS	EPA 8270C/ 8270D	Fluorene
GC-MS	EPA 8270C/ 8270D	Hexachlorobenzene
GC-MS	EPA 8270C/ 8270D	Hexachlorobutadiene
GC-MS	EPA 8270C/ 8270D	Hexachlorocyclopentadiene
GC-MS	EPA 8270C/ 8270D	Hexachloroethane
GC-MS	EPA 8270C/ 8270D	Indeno(1,2,3-cd)pyrene
GC-MS	EPA 8270C/ 8270D	Isophorone
GC-MS	EPA 8270C/ 8270D	Naphthalene
GC-MS	EPA 8270C/ 8270D	Nitrobenzene
GC-MS	EPA 8270C/ 8270D	N-Nitrosodimethylamine
GC-MS	EPA 8270C/ 8270D	N-Nitroso-di-n-propylamine
GC-MS	EPA 8270C/ 8270D	N-Nitrosodiphenylamine
GC-MS	EPA 8270C/ 8270D	Pentachlorophenol
GC-MS	EPA 8270C/ 8270D	Phenanthrene
GC-MS	EPA 8270C/ 8270D	Phenol
GC-MS	EPA 8270C/ 8270D	Pyrene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	1,4-Dioxane
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Acenaphthylene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Acenaphthene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Anthracene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Benzo(a)anthracene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Benzo(a)pyrene

Non-Potable Water		
Technology	**Method**	**Analyte**
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Benzo(b)fluoranthene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Benzo(g,h,i)perylene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Benzo(k)fluoranthene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Chrysene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Dibenz(a,h)anthracene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Fluoranthene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Fluorene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Indeno(1,2,3-cd)pyrene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	1-Methylnaphthalene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	2-Methylnaphthalene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Naphthalene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Phenanthrene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Pyrene
HPLC-UV	EPA 8330/ 8330A/ 8330B	2-Amino-4,6-dinitrotoluene
HPLC-UV	EPA 8330/ 8330A/ 8330B	4-Amino-2,6-dinitrotoluene
HPLC-UV	EPA 8330/ 8330A/ 8330B	3,5-Dinitroaniline
HPLC-UV	EPA 8330/ 8330A/ 8330B	1,3-Dinitrobenzene
HPLC-UV	EPA 8330/ 8330A/ 8330B	2,4-Dinitrotoluene
HPLC-UV	EPA 8330/ 8330A/ 8330B	2,6-Dinitrotoluene
HPLC-UV	EPA 8330/ 8330A/ 8330B	HMX
HPLC-UV	EPA 8330/ 8330A/ 8330B	RDX
HPLC-UV	EPA 8330/ 8330A/ 8330B	Nitroglycerine
HPLC-UV	EPA 8330/ 8330A/ 8330B	Nitrobenzene
HPLC-UV	EPA 8330/ 8330A/ 8330B	2-Nitrotoluene
HPLC-UV	EPA 8330/ 8330A/ 8330B	3-Nitrotoluene
HPLC-UV	EPA 8330/ 8330A/ 8330B	4-Nitrotoluene

Non-Potable Water		
Technology	**Method**	**Analyte**
HPLC-UV	EPA 8330/ 8330A/ 8330B	Pentaerythritol (PETN)
HPLC-UV	EPA 8330/ 8330A/ 8330B	Tetryl
HPLC-UV	EPA 8330/ 8330A/ 8330B	1,3,5-Trinitrobenzene
HPLC-UV	EPA 8330/ 8330A/ 8330B	2,4,6-Trinitrotoluene
ICP-AES	EPA 6010B/ 6010C	Aluminum
ICP-AES	EPA 6010B/ 6010C	Antimony
ICP-AES	EPA 6010B/ 6010C	Arsenic
ICP-AES	EPA 6010B/ 6010C	Barium
ICP-AES	EPA 6010B/ 6010C	Beryllium
ICP-AES	EPA 6010B/ 6010C	Cadmium
ICP-AES	EPA 6010B/ 6010C	Calcium
ICP-AES	EPA 6010B/ 6010C	Chromium
ICP-AES	EPA 6010B/ 6010C	Cobalt
ICP-AES	EPA 6010B/ 6010C	Copper
ICP-AES	EPA 6010B/ 6010C	Iron
ICP-AES	EPA 6010B/ 6010C	Lead
ICP-AES	EPA 6010B/ 6010C	Magnesium
ICP-AES	EPA 6010B/ 6010C	Manganese
ICP-AES	EPA 6010B/ 6010C	Molybdenum
ICP-AES	EPA 6010B/ 6010C	Nickel
ICP-AES	EPA 6010B/ 6010C	Potassium
ICP-AES	EPA 6010B/ 6010C	Selenium
ICP-AES	EPA 6010B/ 6010C	Silver
ICP-AES	EPA 6010B/ 6010C	Sodium
ICP-AES	EPA 6010B/ 6010C	Thallium
ICP-AES	EPA 6010B/ 6010C	Vanadium
ICP-AES	EPA 6010B/ 6010C	Zinc
ICP-MS	EPA 6020/ 6020A	Aluminum
ICP-MS	EPA 6020/ 6020A	Antimony
ICP-MS	EPA 6020/ 6020A	Arsenic
ICP-MS	EPA 6020/ 6020A	Barium
ICP-MS	EPA 6020/ 6020A	Beryllium
ICP-MS	EPA 6020/ 6020A	Cadmium
ICP-MS	EPA 6020/ 6020A	Calcium

Non-Potable Water		
Technology	**Method**	**Analyte**
ICP-MS	EPA 6020/ 6020A	Chromium
ICP-MS	EPA 6020/ 6020A	Cobalt
ICP-MS	EPA 6020/ 6020A	Copper
ICP-MS	EPA 6020/ 6020A	Iron
ICP-MS	EPA 6020/ 6020A	Lead
ICP-MS	EPA 6020/ 6020A	Magnesium
ICP-MS	EPA 6020/ 6020A	Manganese
ICP-MS	EPA 6020/ 6020A	Molybdenum
ICP-MS	EPA 6020/ 6020A	Nickel
ICP-MS	EPA 6020/ 6020A	Potassium
ICP-MS	EPA 6020/ 6020A	Selenium
ICP-MS	EPA 6020/ 6020A	Silver
ICP-MS	EPA 6020/ 6020A	Sodium
ICP-MS	EPA 6020/ 6020A	Thallium
ICP-MS	EPA 6020/ 6020A	Vanadium
ICP-MS	EPA 6020/ 6020A	Zinc
CVAA	EPA 7470A	Mercury
Ion Chromatography	EPA 300.0 / 9056/ 9056A	Bromide
Ion Chromatography	EPA 300.0 / 9056/ 9056A	Chloride
Ion Chromatography	EPA 300.0 / 9056/ 9056A	Fluoride
Ion Chromatography	EPA 300.0 / 9056/ 9056A	Nitrate-N
Ion Chromatography	EPA 300.0 / 9056/ 9056A	Nitrite-N
Ion Chromatography	EPA 300.0 / 9056/ 9056A	Sulfate
Ion Chromatography	EPA 314	Perchlorate
Ion Chromatography	EPA 7199	Hexavalent Chromium
Ion Selective Electrode	SM 4500-NH3 D	Ammonia
Ion Selective Electrode	SM 5210B	Biochemical Oxygen Demand (BOD)
Ion Selective Electrode	EPA 9040B SM 4500-H +B	pH
Ion Selective Electrode	SM 2510B	Specific Conductance
UV-VIS Spectrometer	SM 5220D	Chemical Oxygen Demand (COD)
UV-VIS Spectrometer	SM 4500-CN E EPA 9010B/ 9014	Cyanide
UV-VIS Spectrometer	SM 4500-CN E EPA 9010B/ 9014	Cyanide, Amenable

Non-Potable Water		
Technology	**Method**	**Analyte**
UV-VIS Spectrometer	SM 3500-Fe B	Ferrous Iron
UV-VIS Spectrometer	EPA 7196A	Hexavalent Chromium
UV-VIS Spectrometer	SM 4500-P E	Total Phosphate-P
UV-VIS Spectrometer	SM 4500-S2 D	Sulfide
UV-VIS Spectrometer	SM 5310C	Total Organic Carbon (TOC)
Titration	SM 2320B	Alkalinity
Titration	SM 4500-NH3 C	Total Kjeldahl Nitrogen (TKN)
Gravimetric	SM 2540C	Total Dissolved Solids (TDS)
Gravimetric	SM 2540D	Total Suspended Solids (TSS)
Other	EPA 1010 ASTM D93	Flash Point
Preparation	**Method**	**Analyte**
Purge & Trap	EPA 5030B/ 5030C	Preparation for Volatiles
Extraction	EPA 3520C	Continuous Liquid-Liquid Extraction for Semivolatile Organics (DRO, BNA, PCB, Pesticides, SIM)
Extraction	EPA 3535	Solid Phase Extraction (for Nitroaromatics & Nitramines)
Digestion	EPA 200.8	Water Digestion for ICP-MS Metals
Digestion	EPA 3010A	Water Digestion for ICP Metals

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-FID	EPA 8015B/ 8015D	Gasoline Range Organics (GRO, TPH-G)
GC-FID	EPA 8015B/ 8015D	Diesel Range Organics (DRO, TPH-D)
GC-PID	EPA 8021B	Benzene
GC-PID	EPA 8021B	Toluene
GC-PID	EPA 8021B	Ethylbenzene
GC-PID	EPA 8021B	m,p-Xylenes
GC-PID	EPA 8021B	o-Xylene
GC-ECD	EPA 8081A/ 8081B	Aldrin
GC-ECD	EPA 8081A/ 8081B	a-BHC
GC-ECD	EPA 8081A/ 8081B	b-BHC
GC-ECD	EPA 8081A/ 8081B	d-BHC
GC-ECD	EPA 8081A/ 8081B	g-BHC

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-ECD	EPA 8081A/ 8081B	Chlordane (Technical)
GC-ECD	EPA 8081A/ 8081B	a-Chlordane
GC-ECD	EPA 8081A/ 8081B	g-Chlordane
GC-ECD	EPA 8081A/ 8081B	4,4'-DDD
GC-ECD	EPA 8081A/ 8081B	4,4'-DDE
GC-ECD	EPA 8081A/ 8081B	4,4'-DDT
GC-ECD	EPA 8081A/ 8081B	Dieldrin
GC-ECD	EPA 8081A/ 8081B	Endosulfan I
GC-ECD	EPA 8081A/ 8081B	Endosulfan II
GC-ECD	EPA 8081A/ 8081B	Endosulfan Sulfate
GC-ECD	EPA 8081A/ 8081B	Endrin
GC-ECD	EPA 8081A/ 8081B	Endrin Aldehyde
GC-ECD	EPA 8081A/ 8081B	Endrin Ketone
GC-ECD	EPA 8081A/ 8081B	Heptachlor
GC-ECD	EPA 8081A/ 8081B	Heptachlor Epoxide
GC-ECD	EPA 8081A/ 8081B	Methoxychlor
GC-ECD	EPA 8081A/ 8081B	Toxaphene
GC-ECD	EPA 8082/ 8082A	Arochlor 1016
GC-ECD	EPA 8082/ 8082A	Arochlor 1221
GC-ECD	EPA 8082/ 8082A	Arochlor 1232
GC-ECD	EPA 8082/ 8082A	Arochlor 1242
GC-ECD	EPA 8082/ 8082A	Arochlor 1248
GC-ECD	EPA 8082/ 8082A	Arochlor 1254
GC-ECD	EPA 8082/ 8082A	Arochlor 1260
GC-MS	EPA 8260B/ 8260C	1,1,1,2-Tetrachloroethane
GC-MS	EPA 8260B/ 8260C	1,1,1-Trichloroethane
GC-MS	EPA 8260B/ 8260C	1,1,2,2-Tetrachloroethane
GC-MS	EPA 8260B/ 8260C	1,1,2-Trichloroethane
GC-MS	EPA 8260B/ 8260C	1,1-Dichloroethane
GC-MS	EPA 8260B/ 8260C	1,1-Dichloroethene
GC-MS	EPA 8260B/ 8260C	1,1-Dichloropropene
GC-MS	EPA 8260B/ 8260C	1,2,3-Trichlorobenzene
GC-MS	EPA 8260B/ 8260C	1,2,3-Trichloropropane
GC-MS	EPA 8260B/ 8260C	1,2,4-Trichlorobenzene

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-MS	EPA 8260B/ 8260C	1,2,4-Trimethylbenzene
GC-MS	EPA 8260B/ 8260C	1,2-Dibromo-3-Chloropropane
GC-MS	EPA 8260B/ 8260C	1,2-Dibromoethane
GC-MS	EPA 8260B/ 8260C	1,2-Dichlorobenzene
GC-MS	EPA 8260B/ 8260C	1,2-Dichloroethane
GC-MS	EPA 8260B/ 8260C	1,2-Dichloropropane
GC-MS	EPA 8260B/ 8260C	1,3,5-Trimethylbenzene
GC-MS	EPA 8260B/ 8260C	1,3-Dichlorobenzene
GC-MS	EPA 8260B/ 8260C	1,3-Dichloropropane
GC-MS	EPA 8260B/ 8260C	1,4-Dichlorobenzene
GC-MS	EPA 8260B/ 8260C	2,2-Dichloropropane
GC-MS	EPA 8260B/ 8260C	2-Butanone
GC-MS	EPA 8260B/ 8260C	2-Chlorotoluene
GC-MS	EPA 8260B/ 8260C	2-Hexanone
GC-MS	EPA 8260B/ 8260C	4-Chlorotoluene
GC-MS	EPA 8260B/ 8260C	4-Methyl-2-Pentanone
GC-MS	EPA 8260B/ 8260C	Acetone
GC-MS	EPA 8260B/ 8260C	Benzene
GC-MS	EPA 8260B/ 8260C	Bromobenzene
GC-MS	EPA 8260B/ 8260C	Bromochloromethane
GC-MS	EPA 8260B/ 8260C	Bromodichloromethane
GC-MS	EPA 8260B/ 8260C	Bromoform
GC-MS	EPA 8260B/ 8260C	Bromomethane
GC-MS	EPA 8260B/ 8260C	Carbon Disulfide
GC-MS	EPA 8260B/ 8260C	Carbon Tetrachloride
GC-MS	EPA 8260B/ 8260C	Chlorobenzene
GC-MS	EPA 8260B/ 8260C	Chloroethane
GC-MS	EPA 8260B/ 8260C	Chloroform
GC-MS	EPA 8260B/ 8260C	Chloromethane
GC-MS	EPA 8260B/ 8260C	cis-1,2-Dichloroethene
GC-MS	EPA 8260B/ 8260C	cis-1,3-Dichloropropene
GC-MS	EPA 8260B/ 8260C	Dibromochloromethane
GC-MS	EPA 8260B/ 8260C	Dibromomethane
GC-MS	EPA 8260B/ 8260C	Ethylbenzene

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-MS	EPA 8260B/ 8260C	Ethyl tert-Butyl Ether (ETBE)
GC-MS	EPA 8260B/ 8260C	Freon 113
GC-MS	EPA 8260B/ 8260C	Freon 12
GC-MS	EPA 8260B/ 8260C	Hexachlorobutadiene
GC-MS	EPA 8260B/ 8260C	Isopropylbenzene
GC-MS	EPA 8260B/ 8260C	Isopropyl Ether (DIPE)
GC-MS	EPA 8260B/ 8260C	m,p-Xylenes
GC-MS	EPA 8260B/ 8260C	Methylene Chloride
GC-MS	EPA 8260B/ 8260C	Methyl tert-Amyl Ether (TAME)
GC-MS	EPA 8260B/ 8260C	Methyl tert-Butyl Ether (MTBE)
GC-MS	EPA 8260B/ 8260C	Naphthalene
GC-MS	EPA 8260B/ 8260C	n-Butylbenzene
GC-MS	EPA 8260B/ 8260C	o-Xylene
GC-MS	EPA 8260B/ 8260C	para-Isopropyl Toluene
GC-MS	EPA 8260B/ 8260C	Propylbenzene
GC-MS	EPA 8260B/ 8260C	sec-Butylbenzene
GC-MS	EPA 8260B/ 8260C	Styrene
GC-MS	EPA 8260B/ 8260C	tert-Butyl Alcohol (TBA)
GC-MS	EPA 8260B/ 8260C	tert-Butylbenzene
GC-MS	EPA 8260B/ 8260C	Tetrachloroethene
GC-MS	EPA 8260B/ 8260C	Toluene
GC-MS	EPA 8260B/ 8260C	trans-1,2-Dichloroethene
GC-MS	EPA 8260B/ 8260C	trans-1,3-Dichloropropene
GC-MS	EPA 8260B/ 8260C	Trichloroethene
GC-MS	EPA 8260B/ 8260C	Trichlorofluoromethane
GC-MS	EPA 8260B/ 8260C	Vinyl Acetate
GC-MS	EPA 8260B/ 8260C	Vinyl Chloride
GC-MS	EPA 8270C/ 8270D	1,2,4-Trichlorobenzene
GC-MS	EPA 8270C/ 8270D	1,2-Dichlorobenzene
GC-MS	EPA 8270C/ 8270D	1,3-Dichlorobenzene
GC-MS	EPA 8270C/ 8270D	1,4-Dichlorobenzene
GC-MS	EPA 8270C/ 8270D	2,4,5-Trichlorophenol
GC-MS	EPA 8270C/ 8270D	2,4,6-Trichlorophenol
GC-MS	EPA 8270C/ 8270D	2,4-Dichlorophenol

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-MS	EPA 8270C/ 8270D	2,4-Dimethylphenol
GC-MS	EPA 8270C/ 8270D	2,4-Dinitrophenol
GC-MS	EPA 8270C/ 8270D	2,4-Dinitrotoluene
GC-MS	EPA 8270C/ 8270D	2,6-Dinitrotoluene
GC-MS	EPA 8270C/ 8270D	2-Chloronaphthalene
GC-MS	EPA 8270C/ 8270D	2-Chlorophenol
GC-MS	EPA 8270C/ 8270D	2-Methylnaphthalene
GC-MS	EPA 8270C/ 8270D	2-Methylphenol
GC-MS	EPA 8270C/ 8270D	2-Nitroaniline
GC-MS	EPA 8270C/ 8270D	2-Nitrophenol
GC-MS	EPA 8270C/ 8270D	3,3'-Dichlorobenzidine
GC-MS	EPA 8270C/ 8270D	3-Nitroaniline
GC-MS	EPA 8270C/ 8270D	4,6-Dinitro-2-methylphenol
GC-MS	EPA 8270C/ 8270D	4-Bromophenyl-phenylether
GC-MS	EPA 8270C/ 8270D	4-Chloro-3-methylphenol
GC-MS	EPA 8270C/ 8270D	4-Chloroaniline
GC-MS	EPA 8270C/ 8270D	4-Chlorophenyl-phenylether
GC-MS	EPA 8270C/ 8270D	4-Methylphenol
GC-MS	EPA 8270C/ 8270D	4-Nitroaniline
GC-MS	EPA 8270C/ 8270D	4-Nitrophenol
GC-MS	EPA 8270C/ 8270D	Acenaphthene
GC-MS	EPA 8270C/ 8270D	Acenaphthylene
GC-MS	EPA 8270C/ 8270D	Anthracene
GC-MS	EPA 8270C/ 8270D	Azobenzene
GC-MS	EPA 8270C/ 8270D	Benzo(a)anthracene
GC-MS	EPA 8270C/ 8270D	Benzo(a)pyrene
GC-MS	EPA 8270C/ 8270D	Benzo(b)fluoranthene
GC-MS	EPA 8270C/ 8270D	Benzo(g,h,i)perylene
GC-MS	EPA 8270C/ 8270D	Benzo(k)fluoranthene
GC-MS	EPA 8270C/ 8270D	Benzoic acid
GC-MS	EPA 8270C/ 8270D	Benzyl alcohol
GC-MS	EPA 8270C/ 8270D	bis(2-Chloroethoxy)methane
GC-MS	EPA 8270C/ 8270D	bis(2-Chloroethyl)ether
GC-MS	EPA 8270C/ 8270D	bis(2-Chloroisopropyl) ether

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-MS	EPA 8270C/ 8270D	bis(2-Ethylhexyl)phthalate
GC-MS	EPA 8270C/ 8270D	Butylbenzylphthalate
GC-MS	EPA 8270C/ 8270D	Chrysene
GC-MS	EPA 8270C/ 8270D	Dibenz(a,h)anthracene
GC-MS	EPA 8270C/ 8270D	Dibenzofuran
GC-MS	EPA 8270C/ 8270D	Diethylphthalate
GC-MS	EPA 8270C/ 8270D	Dimethylphthalate
GC-MS	EPA 8270C/ 8270D	Di-n-butylphthalate
GC-MS	EPA 8270C/ 8270D	Di-n-octylphthalate
GC-MS	EPA 8270C/ 8270D	Fluoranthene
GC-MS	EPA 8270C/ 8270D	Fluorene
GC-MS	EPA 8270C/ 8270D	Hexachlorobenzene
GC-MS	EPA 8270C/ 8270D	Hexachlorobutadiene
GC-MS	EPA 8270C/ 8270D	Hexachlorocyclopentadiene
GC-MS	EPA 8270C/ 8270D	Hexachloroethane
GC-MS	EPA 8270C/ 8270D	Indeno(1,2,3-cd)pyrene
GC-MS	EPA 8270C/ 8270D	Isophorone
GC-MS	EPA 8270C/ 8270D	Naphthalene
GC-MS	EPA 8270C/ 8270D	Nitrobenzene
GC-MS	EPA 8270C/ 8270D	N-Nitrosodimethylamine
GC-MS	EPA 8270C/ 8270D	N-Nitroso-di-n-propylamine
GC-MS	EPA 8270C/ 8270D	N-Nitrosodiphenylamine
GC-MS	EPA 8270C/ 8270D	Pentachlorophenol
GC-MS	EPA 8270C/ 8270D	Phenanthrene
GC-MS	EPA 8270C/ 8270D	Phenol
GC-MS	EPA 8270C/ 8270D	Pyrene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	1,4-Dioxane
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Acenaphthylene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Acenaphthene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Anthracene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Benzo(a)anthracene

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Benzo(a)pyrene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Benzo(b)fluoranthene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Benzo(g,h,i)perylene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Benzo(k)fluoranthene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Chrysene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Dibenz(a,h)anthracene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Fluoranthene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Fluorene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Indeno(1,2,3-cd)pyrene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	1-Methylnaphthalene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	2-Methylnaphthalene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Naphthalene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Phenanthrene
GC-MS	EPA 8270C-SIM EPA 8270D-SIM	Pyrene
HPLC-UV	EPA 8330/ 8330A/ 8330B	2-Amino-4,6-dinitrotoluene
HPLC-UV	EPA 8330/ 8330A/ 8330B	4-Amino-2,6-dinitrotoluene
HPLC-UV	EPA 8330/ 8330A/ 8330B	3,5-Dinitroaniline
HPLC-UV	EPA 8330/ 8330A/ 8330B	1,3-Dinitrobenzene
HPLC-UV	EPA 8330/ 8330A/ 8330B	2,4-Dinitrotoluene
HPLC-UV	EPA 8330/ 8330A/ 8330B	2,6-Dinitrotoluene
HPLC-UV	EPA 8330/ 8330A/ 8330B	HMX
HPLC-UV	EPA 8330/ 8330A/ 8330B	RDX
HPLC-UV	EPA 8330/ 8330A/ 8330B	Nitroglycerine
HPLC-UV	EPA 8330/ 8330A/ 8330B	Nitrobenzene
HPLC-UV	EPA 8330/ 8330A/ 8330B	2-Nitrotoluene
HPLC-UV	EPA 8330/ 8330A/ 8330B	3-Nitrotoluene

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
HPLC-UV	EPA 8330/ 8330A/ 8330B	4-Nitrotoluene
HPLC-UV	EPA 8330/ 8330A/ 8330B	Pentaerythritol (PETN)
HPLC-UV	EPA 8330/ 8330A/ 8330B	Tetryl
HPLC-UV	EPA 8330/ 8330A/ 8330B	1,3,5-Trinitrobenzene
HPLC-UV	EPA 8330/ 8330A/ 8330B	2,4,6-Trinitrotoluene
ICP-AES	EPA 6010B/ 6010C	Aluminum
ICP-AES	EPA 6010B/ 6010C	Antimony
ICP-AES	EPA 6010B/ 6010C	Arsenic
ICP-AES	EPA 6010B/ 6010C	Barium
ICP-AES	EPA 6010B/ 6010C	Beryllium
ICP-AES	EPA 6010B/ 6010C	Cadmium
ICP-AES	EPA 6010B/ 6010C	Calcium
ICP-AES	EPA 6010B/ 6010C	Chromium
ICP-AES	EPA 6010B/ 6010C	Cobalt
ICP-AES	EPA 6010B/ 6010C	Copper
ICP-AES	EPA 6010B/ 6010C	Iron
ICP-AES	EPA 6010B/ 6010C	Lead
ICP-AES	EPA 6010B/ 6010C	Magnesium
ICP-AES	EPA 6010B/ 6010C	Manganese
ICP-AES	EPA 6010B/ 6010C	Molybdenum
ICP-AES	EPA 6010B/ 6010C	Nickel
ICP-AES	EPA 6010B/ 6010C	Potassium
ICP-AES	EPA 6010B/ 6010C	Selenium
ICP-AES	EPA 6010B/ 6010C	Silver
ICP-AES	EPA 6010B/ 6010C	Sodium
ICP-AES	EPA 6010B/ 6010C	Thallium
ICP-AES	EPA 6010B/ 6010C	Vanadium
ICP-AES	EPA 6010B/ 6010C	Zinc
ICP-MS	EPA 6020/ 6020A	Aluminum
ICP-MS	EPA 6020/ 6020A	Antimony
ICP-MS	EPA 6020/ 6020A	Arsenic
ICP-MS	EPA 6020/ 6020A	Barium
ICP-MS	EPA 6020/ 6020A	Beryllium
ICP-MS	EPA 6020/ 6020A	Cadmium

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
ICP-MS	EPA 6020/ 6020A	Calcium
ICP-MS	EPA 6020/ 6020A	Chromium
ICP-MS	EPA 6020/ 6020A	Cobalt
ICP-MS	EPA 6020/ 6020A	Copper
ICP-MS	EPA 6020/ 6020A	Iron
ICP-MS	EPA 6020/ 6020A	Lead
ICP-MS	EPA 6020/ 6020A	Magnesium
ICP-MS	EPA 6020/ 6020A	Manganese
ICP-MS	EPA 6020/ 6020A	Molybdenum
ICP-MS	EPA 6020/ 6020A	Nickel
ICP-MS	EPA 6020/ 6020A	Potassium
ICP-MS	EPA 6020/ 6020A	Selenium
ICP-MS	EPA 6020/ 6020A	Silver
ICP-MS	EPA 6020/ 6020A	Sodium
ICP-MS	EPA 6020/ 6020A	Thallium
ICP-MS	EPA 6020/ 6020A	Vanadium
ICP-MS	EPA 6020/ 6020A	Zinc
CVAA	EPA 7471A/ 7471B	Mercury
Ion Chromatography	EPA 300.0 / 9056/ 9056A	Chloride
Ion Chromatography	EPA 300.0 / 9056/ 9056A	Fluoride
Ion Chromatography	EPA 300.0 / 9056/ 9056A	Nitrate-N
Ion Chromatography	EPA 300.0 / 9056/ 9056A	Sulfate
Ion Selective Electrode	SM 4500-NH3 D	Ammonia
Ion Selective Electrode	EPA 9045C	pH
UV-VIS Spectrometer	SM 4500-CN E EPA 9010B/ 9014	Cyanide
UV-VIS Spectrometer	EPA 7196A	Hexavalent Chromium
Titration	EPA 9034	Sulfide
Preparation	**Method**	**Analyte**
Purge & Trap	EPA 5035/ 5035A	Preparation for Volatiles in Soil
Extraction	EPA 3550B/ 3550C	Sonication Extraction for Semivolatile Organics (DRO, BNA, PCB, Pesticides, SIM)
Extraction	EPA 8330/ 8330A MOD/ 8330B MOD	Extraction of Nitroaromatics & Nitramines from Solids
Digestion	EPA 3060	Alkaline Digestion for Hexavalent Chromium

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
Digestion	EPA 3050B	Soil Digestion for ICP & ICP-MS Metals
Leaching Procedure	EPA 1311	TCLP – Toxicity Characteristic Leaching Procedure
Leaching Procedure	EPA 1312	SPLP – Synthetic Precipitation Leaching Procedure

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2442.

Vice President