SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ENVIRONMENTAL QUALITY LABORATORIES
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ENVIRONMENTAL

Valid To: May 31, 2019 Certificate Number: 4211.01

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with ISO IEC 17025:2005 and the 2009 TNI Environmental Testing Laboratory Standard), 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

Cold Vapor Atomic Absorption, Cold Vapor Atomic Fluorescence Spectroscopy, Graphite Furnace Atomic Absorption, ICP-AES, Gas Chromatography/Flame Ionization Detector, Gas Chromatography/Electon Capture Detector, Gas Chromatography/Mass Spectrometry, Gravimetry, Methylene Blue Active Substances, Misc.- Electronic Probes (pH, O_2), Oxygen Demand, Hazardous Waste Characteristics Tests, Spectrophotometry (Visible/UV), Spectrophotometry (Automated), Titrimetry, Total Organic Carbon, Turbidity (Nephelometry), Pensky-Martens Closed Cup Tester, Conductivity Meter, Flow Injection Analyzer, Colorimetry, Ion Selective Electrodes (Fluoride, Ammonia as N)

Parameter/Analyte	**Nonpotable Water**	**Solid Hazardous Waste**
Metals		
Aluminum	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Antimony	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Arsenic	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Barium	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Beryllium	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Boron	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Cadmium	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Calcium	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Chromium	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Cobalt	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B

Parameter/Analyte	**Nonpotable Water**	**Solid Hazardous Waste**
Copper	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Iron	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Lead	EPA 200.7/200.9/6010B/6010C/6010D/7010 SM 3120 B	EPA 6010B/7010
Lithium	EPA 200.7/6010B/6010C/6010D	----------
Magnesium	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Manganese	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Mercury	EPA 245.1/1631E	EPA 7470A/7471B
Molybdenum	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Nickel	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Potassium	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Selenium	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Silica as SiO_2	EPA 200.7	----------
Silver	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Sodium	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Strontium	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Thallium	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Titanium	----------	EPA 6010B
Vanadium	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Zinc	EPA 200.7/6010B/6010C/6010D SM 3120 B	EPA 6010B
Nutrients		
Ammonia (as N)	SM 4500-NH_3 D	----------
Kjeldahl nitrogen	EPA 351.2	----------
Nitrate (as N)	EPA 353.2	----------
Nitrate-nitrite (as N)	EPA 353.2	----------
Nitrite (as N)	EPA 353.2	----------
Orthophosphate (as P)	SM 4500-P E	----------
Total phosphorus	SM 4500-P E	----------
Demands		
Biochemical oxygen demand	SM 5210 B	----------
Carbonaceous BOD	SM 5210 B	----------
Chemical oxygen demand	EPA 410.4	----------
Total organic carbon	SM 5310 C	----------

Parameter/Analyte	**Nonpotable Water**	**Solid Hazardous Waste**
Wet Chemistry		
Alkalinity as $CaCO_3$	EPA 310.2	----------
Chloride	SM 4500-Cl E	----------
Chlorine (residual)	SM 4500-Cl G	----------
Cyanide	EPA 335.4/9012A/9014	EPA 9012A/9014
Fluoride	SM 4500-F C	----------
Hardness	SM 2340 B	----------
pH	EPA 150.1/9040C SM 4500-H^+ B	EPA 9040C/9045C
MBAS	SM 5540C	----------
Oil and Grease	EPA 1664A	EPA 1664A/9071B
Phenols	EPA 420.1/9066	----------
Total residue	SM 2540B	----------
Filterable residue	SM 2540C	----------
Nonfilterable residue	SM 2540D	----------
Residue-settleable	SM 2540F	----------
Residue-volatile	EPA 160.4	----------
Specific conductance	EPA 120.1 SM 2510 B	----------
Sulfate	ASTM D516-90	----------
Sulfide	SM 4500-S^{2-} D	----------
Surfactants	SM 5540C	----------
Turbidity	EPA 180.1	----------
Color	SM 2120B	----------
Chromium VI	SM 3500-Cr B	----------
Chlorophylls	SM 10200H	----------
Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312	EPA 1312
Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	EPA 1311
Purgeable Organics (volatiles)		
Acetone	EPA 8260B/8260C	EPA 8260B
Acetonitrile	EPA 8260B/8260C	----------
Acrolein	EPA 624/8260B/8260C	EPA 8260B
Acrylonitrile	EPA 624/8260B/8260C	EPA 8260B
Benzene	EPA 624/8260B/8260C	EPA 8260B
Bromobenzene	EPA 8260B/8260C	EPA 8260B
Bromodichloromethane	EPA 624/8260B/8260C	EPA 8260B
Bromoform	EPA 624/8260B/8260C	EPA 8260B
Bromomethane	EPA 624/8260B/8260C	EPA 8260B
2-Butanone	EPA 8260B/8260C	EPA 8260B
n-Buytlbenzene	EPA 8260B/8260C	EPA 8260B
sec-Butylbenzene	EPA 8260B/8260C	EPA 8260B
tert-Butylbenzene	EPA 8260B/8260C	EPA 8260B
Carbon disulfide	EPA 8260B/8260C	EPA 8260B
Carbon tetrachloride	EPA 624/8260B/8260C	EPA 8260B
Chlorobenzene	EPA 624/8260B/8260C	EPA 8260B
Chloroethane	EPA 624/8260B/8260C	EPA 8260B

Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste
2-Chloroethyl vinyl ether	EPA 8260B/8260C	EPA 8260B
Chloroform	EPA 624/8260B/8260C	----------
1-Chlorohexane	EPA 8260B/8260C	EPA 8260B
Chloromethane	EPA 624/8260B/8260C	EPA 8260B
2-Chlorotoluene	EPA 8260B/8260C	EPA 8260B
4-Chlorotoluene	EPA 8260B/8260C	EPA 8260B
Bromochloromethane	EPA 8260B/8260C	EPA 8260B
Dibromochloromethane	EPA 624/8260B/8260C	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B/8260C	EPA 8260B
Dibromomethane	EPA 8260B/8260C	EPA 8260B
1,2 Dibromomethane (EDB)	EPA 8260B/8260C	EPA 8260B
1,2-Dichlorobenzene	EPA 624/8260B/8260C	EPA 8260B
1,3-Dichlorobenzene	EPA 624/8260B/8260C	EPA 8260B
1,4-Dichlorobenzene	EPA 624/8260B/8260C	EPA 8260B
Dichlorodifluoromethane	EPA 8260B/8260C	EPA 8260B
1,1-Dichloroethane	EPA 624/8260B/8260C	EPA 8260B
1,2-Dichloroethane	EPA 624/8260B/8260C	EPA 8260B
1,1-Dichloroethene	EPA 624/8260B/8260C	EPA 8260B
cis-1,2-Dichloroethene	EPA 8260B/8260C	EPA 8260B
trans-1,2-Dichloroethene	EPA 624/8260B/8260C	EPA 8260B
1,2-Dichloropropane	EPA 624/8260B/8260C	EPA 8260B
1,3-Dichloropropane	EPA 8260B/8260C	EPA 8260B
2,2-Dichloropropane	EPA 8260B/8260C	EPA 8260B
1,1-Dichloropropene	EPA 8260B/8260C	EPA 8260B
cis-1,3-Dichloropropene	EPA 624/8260B/8260C	EPA 8260B
trans-1,3-Dichloropropene	EPA 624/8260B/8260C	EPA 8260B
trans-1,4-Dichloro-2-butene	EPA 8260B/8260C	EPA 8260B
Epichlorohydrin	EPA 8260B/8260C	EPA 8260B
Ethyl Acetate	EPA 8260B/8260C	----------
Ethyl benzene	EPA 624/8260B/8260C	EPA 8260B
Gas Range Organics (GRO)	EPA 8015B	EPA 8015B
2-Hexanone	EPA 8260B/8260C	EPA 8260B
Hexachlorobutadiene	EPA 8260B/8260C	EPA 8260B
Isopropylbenzene	EPA 8260B/8260C	EPA 8260B
p-Isopropyltoluene	EPA 8260B/8260C	EPA 8260B
Iodomethane	EPA 8260B/8260C	EPA 8260B
Methylene chloride	EPA 624/8260B/8260C	EPA 8260B
Methyl ethyle ketone (MEK)	EPA 8260B/8260C	EPA 8260B
Methyl isobutyl ketone	EPA 8260B/8260C	EPA 8260B
4-Methyl-2-pentanone	EPA 8260B/8260C	EPA 8260B
Methyl tert-butyl ether	EPA 8260B/8260C	EPA 8260B
Naphthalene	EPA 8260B/8260C	EPA 8260B
n-Propylbenzene	EPA 8260B/8260C	EPA 8260B
Styrene	EPA 8260B/8260C	EPA 8260B
1,1,1,2-Tetrachloroethane	EPA 8260B/8260C	EPA 8260B
1,1,2,2-Tetrachloroethane	EPA 624/8260B/8260C	EPA 8260B
Tetrachloroethene	EPA 624/8260B/8260C	EPA 8260B
Toluene	EPA 624/8260B/8260C	EPA 8260B
Total Petroleum Hydrocarbons (TPH)	EPA 1664A	EPA 1664A

Parameter/Analyte	**Nonpotable Water**	**Solid Hazardous Waste**
1,1,1-Trichloroethane	EPA 624/8260B/8260C	EPA 8260B
1,1,2-Trichloroethane	EPA 624/8260B/8260C	EPA 8260B
Trichloroethene	EPA 624/8260B/8260C	EPA 8260B
Trichlorofluoromethane	EPA 624/8260B/8260C	EPA 8260B
1,2,3-Trichloropropane	EPA 8260B/8260C	EPA 8260B
1,2,3-Trichlorobenzene	EPA 8260B/8260C	EPA 8260B
1,2,4-Trichlorobenzene	EPA 8260B/8260C	EPA 8260B
1,2,4-Trimethylbenzene	EPA 8260B/8260C	EPA 8260B
1,3,5-Trimethylbenzene	EPA 8260B/8260C	EPA 8260B
Vinyl acetate	EPA 8260B/8260C	EPA 8260B
Vinyl chloride	EPA 624/8260B/8260C	EPA 8260B
Xylenes, total	EPA 624/8260B/8260C	EPA 8260B
1,2-Xylene	EPA 8260B/8260C	----------
1,3-Xylene	EPA 8260B/8260C	----------
1,4-Xylene	EPA 8260B/8260C	----------
Extractable Organics (semivolatiles)		
Acenaphthene	EPA 625/8270C/8270D	EPA 8270C
Acenaphthylene	----------	EPA 8270C
Anthracene	EPA 625/8270C/8270D	EPA 8270C
Benzidine	EPA 625/8270C/8270D	EPA 8270C
Benzo (a) anthracene	EPA 625/8270C/8270D	EPA 8270C
Benzo (b) fluoranthene	EPA 625/8270C/8270D	EPA 8270C
Benzo (k) fluoranthene	EPA 625/8270C/8270D	EPA 8270C
Benzo (g,h,i) fluoranthene	EPA 625/8270C/8270D	EPA 8270C
Benzo (a) pyrene	EPA 625/8270C/8270D	EPA 8270C
Bis (2-chloroethoxy) methane	EPA 625/8270C/8270D	EPA 8270C
Bis (2-chloroethyl) ether	EPA 625/8270C/8270D	EPA 8270C
Bis (2-chloroisopropyl) ether	EPA 625/8270C/8270D	EPA 8270C
Bis (2-ethylhexyl) phthalate	EPA 625/8270C/8270D	EPA 8270C
4-Bromophenyl phenyl ether	EPA 625/8270C/8270D	EPA 8270C
Butyl benzyl phthalate	EPA 625/8270C/8270D	EPA 8270C
4-Chloro-3-methylphenol	EPA 625/8270C/8270D	EPA 8270C
2-Chloronaphthalene	EPA 625/8270C/8270D	EPA 8270C
2-Chlorophenol	EPA 625/8270C/8270D	EPA 8270C
2-Methylnaphthalene	EPA 8270C/8270D	EPA 8270C
4-Chlorophenyl phenyl ether	EPA 625/8270C/8270D	EPA 8270C
Chrysene	EPA 625/8270C/8270D	EPA 8270C
m/p-Cresols	----------	EPA 8270C
Dibenzo (a,h) anthracene	EPA 625/8270C/8270D	EPA 8270C
1,2-Dichlorobenzene	EPA 625/8270C/8270D	EPA 8270C
1,3-Dichlorobenzene	EPA 625/8270C/8270D	EPA 8270C
1,4-Dichlorobenzene	EPA 625/8270C/8270D	EPA 8270C
3,3'-Dichlorobenzidine	EPA 625/8270C/8270D	EPA 8270C
2,4-Dichlorophenol	EPA 625/8270C/8270D	EPA 8270C
Diethyl phthalate	EPA 625/8270C/8270D	EPA 8270C
2,4-Dimethylphenol	EPA 625/8270C/8270D	EPA 8270C
Dimethyl phthalate	EPA 625/8270C/8270D	EPA 8270C
Di-n-butyl phthalate	EPA 625/8270C/8270D	EPA 8270C

Parameter/Analyte	**Nonpotable Water**	**Solid Hazardous Waste**
Di-n-octyl phthalate	EPA 625/8270C/8270D	EPA 8270C
2,4-Dinitrophenol	EPA 625/8270C/8270D	EPA 8270C
2,4-Dinitrotoluene	EPA 625/8270C/8270D	EPA 8270C
2,6-Dinitrotoluene	EPA 8270C	----------
1,2-Diphenylhydrazine	EPA 8270C	
DRO	EPA 8015B (mod)	EPA 8015B (mod)
Fluoroanthene	EPA 625/8270C/8270D	EPA 8270C
Fluorene	EPA 625/8270C/8270D	EPA 8270C
Hexachlorobenzene	EPA 625/8270C/8270D	EPA 8270C
Hexachlorobutadiene	EPA 625/8270C/8270D	EPA 8270C
Hexachlorocyclopentadiene	EPA 625/8270C/8270D	EPA 8270C
Hexachloroethane	EPA 625/8270C/8270D	EPA 8270C
Indeno (1,2,3-cd) pyrene	EPA 625/8270C/8270D	EPA 8270C
Isophorone	EPA 625/8270C/8270D	EPA 8270C
2-Methyl-4,6-Dinitrophenol	EPA 625/8270C/8270D	EPA 8270C
2-Methylphenol	EPA 8270C/8270 D	EPA 8270C
4-Methylphenol	EPA 8270C/8270 D	EPA 8270C
Naphthalene	EPA 625/8270C/8270D	EPA 8270C
Nitrobenzene	EPA 625/8270C/8270D	EPA 8270C
2-Nitrophenol	EPA 625/8270C/8270D	EPA 8270C
4-Nitrophenol	EPA 625/8270C/8270D	EPA 8270C/8151A
N-Nitrosodi-n-propylamine	EPA 625/8270C/8270D	EPA 8270C
N-Nitrosodiphenylamine	EPA 625/8270C/8270D	EPA 8270C
N-Nitrosodimethylamine	EPA 625/8270C/8270D	EPA 8270C
2,2-oxybis(1-chloropropane)	EPA 625/8270C/8270D	EPA 8270C
Pentachlorophenol	EPA 625/8270C/8270D	EPA 8270C
Phenanthrene	EPA 625/8270C/8270D	EPA 8270C
Phenol	EPA 625/8270C/8270D	EPA 8270C
Pyrene	EPA 625/8270C/8270D	EPA 8270C
Pyridine	EPA 8270C/8270 D	EPA 8270C
Styrene	EPA 8260B/8260C	EPA 8260B
1,2,4-Trichlorobenzene	EPA 625/8270C/8270D	EPA 8270C
2,4,5-Trichlorophenol	EPA 8270C/8270 D	EPA 8270C
2,4,6-Trichlorophenol	EPA 625/8270C/8270D	EPA 8270C
Pesticides/Herbicides/PCBs		
Aldrin	EPA 608/8081A/8081B	EPA 8081A
alpha-BHC	EPA 608/8081A/8081B	EPA 8081A
Beta-BHC	EPA 608/8081A/8081B	EPA 8081A
delta-BHC	EPA 608/8081A/8081B	EPA 8081A
Gamma-BHC	EPA 608/8081A/8081B	EPA 8081A
Chlordane (technical)	EPA 608/8081A/8081B	EPA 8081A
2,4-D	EPA 615/8151A	EPA 8151A
Acifluorfen	----------	EPA 8151A
Dalapon	EPA 615/8151A	EPA 8151A
2,4-DB	EPA 615/8151A	EPA 8151A
3,5-Dichlorobenzoic acid	----------	EPA 8151A
4,4’-DDD	EPA 608/8081A/8081B	EPA 8081A
4,4’-DDE	EPA 608/8081A/8081B	EPA 8081A

Parameter/Analyte	**Nonpotable Water**	**Solid Hazardous Waste**
4,4',-DDT	EPA 608/8081A/8081B	EPA 8081A
Dicamba	EPA 615/8151A	----------
Dichloroprop	EPA 615/8151A	EPA 8151A
Dieldrin	EPA 608/8081A/8081B	EPA 8081A
Dinoseb	EPA 615/8151A	EPA 8151A
Endosulfan I	EPA 608/8081A/8081B	EPA 8081A
Endosulfan II	EPA 608/8081A/8081B	EPA 8081A
Endonsulfan sulfate	EPA 608/8081A/8081B	EPA 8081A
Endrin	EPA 608/8081A/8081B	EPA 8081A
Endrin aldehyde	EPA 608/8081A/8081B	EPA 8081A
Endrin ketone	EPA 8081A/8081B	EPA 8081A
Heptachlor	EPA 608/8081A/8081B	EPA 8081A
Heptachlor epoxide	EPA 608/8081A/8081B	EPA 8081A
MCPA	EPA 615/8151A	EPA 8151A
MCPP	EPA 615/8151A	EPA 8151A
Methoxychlor	EPA 608/8081A/8081B	EPA 8081A
PCB-1016 (Arochlor)	EPA 608/8082	EPA 8082
PCB-1221	EPA 608/8082	EPA 8082
PCB-1232	EPA 608/8082	EPA 8082
PCB-1242	EPA 608/8082	EPA 8082
PCB-1248	EPA 608/8082	EPA 8082
PCB-1254	EPA 608/8082	EPA 8082
PCB-1260	EPA 608/8082	EPA 8082
2,4,5-T	EPA 615/8151A	----------
2,4,5-TP	EPA 615/8151A	----------
Toxaphene	EPA 608/8081A/8081B	EPA 8081A
alpha-Chlordane	EPA 8081A/8081B	EPA 8081A
gamma-Chlordane	EPA 8081A/8081B	EPA 8081A
Mirex	EPA 8081A/8081B	----------
Perthane	EPA 8081A/8081B	----------
Bentazon	----------	EPA 8151A
Chloramben	----------	EPA 8151A
Dacthal (DCPA)	----------	EPA 8151A
Picloram	----------	EPA 8151A
Hazardous Waste Characteristics		
Corrosivity	- - - - - - - - - -	9040C/9045C
Ignatibility	EPA 1010	EPA 1010/1030
Paint Filter Liquids Test	- - - - - - - - - -	EPA 9095A
Reactivity (Reactive Sulfide Reactive Cyanide)	- - - - - - - - - -	EPA SW 846 Ch 7

Accredited Laboratory

A2LA has accredited

ENVIRONMENTAL QUALITY LABORATORIES, INC.

Bayamon, PUERTO RICO

for technical competence in the field of

Environmental Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of *R206 - Specific Requirements - Environmental Testing Laboratory Accreditation Program*. 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 8 January 2009*).

Presented this 4th day of April 2017.

President and CEO
For the Accreditation Council
Certificate Number 4211.01
Valid to May 31, 2019

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