



Accredited Laboratory

A2LA has accredited

MICROBAC LABORATORIES, INC. OHIO VALLEY DIVISION

Marietta, OH

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 2009 TNI Environmental Testing Laboratory Standard, and the requirements of the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in version 5.0 of the 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 28th day of November 2016.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2936.01
Valid to December 31, 2018
Revised May 9, 2018

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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ENVIRONMENTAL

Valid To: December 31, 2018

Certificate Number: 2936.01

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 2009 TNI Standard, and the requirements of the DoD Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in version 5.0 of the 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

Atomic Absorption/ICP-AES Spectrometry, ICP/MS, Gas Chromatography, Gas Chromatography/Mass Spectrometry, Gravimetry, High Performance Liquid Chromatography, LC/MS/MS, Ion Chromatography, Misc.- Electronic Probes (pH, O₂), Oxygen Demand, Hazardous Waste Characteristics Tests, Spectrophotometry (Visible), Spectrophotometry (Automated), Titrimetry, Total Organic Carbon

<u>Parameter/Analyte</u>	<u>Nonpotable Water (1)</u>	<u>Solid and Chemical Materials (2)</u>
<u>Metals</u>		
Aluminum	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C
Antimony	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/ 6020A	EPA 6010B/6010C EPA 6020/6020A
Arsenic	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/6020A	EPA 6010B/6010C EPA 6020/6020A
Barium	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/6020A	EPA 6010B/6010C EPA 6020/6020A
Beryllium	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C
Boron	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C
Cadmium	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/6020A	EPA 6010B/6010C EPA 6020/6020A

Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
Calcium	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C
Chromium	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/6020A	EPA 6010B/6010C EPA 6020/6020A
Cobalt	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/6020A	EPA 6010B/6010C EPA 6020/6020A
Copper	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/6020A	EPA 6010B/6010C EPA 6020/6020A
Iron	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C
Lead	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/6020A	EPA 6010B/6010C EPA 6020/6020A
Lithium	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C
Magnesium	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C
Manganese	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/6020A	EPA 6010B/6010C EPA 6020/6020A
Mercury	EPA 245.1 EPA 7470A	EPA 7471A/7471B
Molybdenum	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C
Nickel	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/6020A	EPA 6010B/6010C EPA 6020/6020A
Phosphorus	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C
Potassium	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C
Selenium	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/6020A	EPA 6010B/6010C EPA 6020/6020A
Silicon	EPA 200.7 EPA 6010B/6010C	-----
Silver	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/6020A	EPA 6010B/6010C EPA 6020/6020A
Sodium	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C
Strontium	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C
Thallium	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/6020A	EPA 6010B/6010C EPA 6020/6020A
Tin	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
Titanium	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C
Uranium	EPA 200.8 EPA 6020/6020A	EPA 6020/6020A
Vanadium	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/6020A	EPA 6010B/6010C EPA 6020/6020A
Zinc	EPA 200.7/200.8 EPA 6010B/6010C EPA 6020/6020A	EPA 6010B/6010C EPA 6020/6020A
Zirconium	EPA 200.7 EPA 6010B/6010C	EPA 6010B/6010C
Prep Methods	EPA 3015A	EPA 3051A
Nutrients		
Ammonia (as N)	EPA 350.1	EPA 350.1
Kjeldahl nitrogen	EPA 351.2	-----
Nitrate (as N)	EPA 300.0 EPA 353.2 EPA 9056/9056A SM 4500NO ₃ -F	EPA 300.0 EPA 9056/9056A
Nitrate-nitrite (as N)	EPA 300.0/353.2/9056/9056A SM 4500NO ₃ -F	EPA 9056/9056A
Nitrite (as N)	EPA 300.0 EPA 354.1 EPA 9056/9056A	EPA 300.0 EPA 9056/9056A
Orthophosphate (as P)	EPA 365.2 SM 4500-P E-1999/2011	EPA 365.2
Total phosphorus	EPA 365.4	-----
Demands		
Biochemical oxygen demand	SM 5210 B-2001/2011	-----
Chemical oxygen demand	EPA 410.4MOD HACH 8000	-----
Total organic carbon	EPA 415.1/9060A SM 5310 C-2000/2011	-----
Wet Chemistry		
Acidity	EPA 415.1-9060A SM 2310B-1997/2011 (4a/d)	-----
Alkalinity	EPA 310.2 SM 2320 B-1997/2011	-----
Bromide	EPA 300.0 EPA 9056/9056A	EPA 300.0 EPA 9056/9056A
Chloride	EPA 300.0 EPA 325.2 EPA 9056/9056A SM 4500-CL E-1997/2011	EPA 325.2 EPA 9056/9056A SM 4500-CL E-1997/2011
Chlorine, residual	SM 4500CI-G 2000/2011	-----
Conductivity	EPA 120.1 SM 2510B-1997/2011	-----



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
Cyanide	EPA 9010C EPA 9014 SM 4500 CN-C,E-1999/2011	EPA 9010C EPA 9014
Cyanide, amenable	EPA 9010C EPA 9014 SM 4500 CN-G/E	EPA 9010C EPA 9014
Ferrous Iron	SM 3500-Fe B-1997/2011	-----
Filterable residue	EPA 160.1 SM 2540 C-1997/2011	-----
Flashpoint	EPA 1010A	EPA 1010A EPA 1030
Fluoride	EPA 300.0 EPA 9056/9056A SM 4500 F,C-1997/2011	EPA 300.0 EPA 9056/9056A SM 4500 F,C-1997/2011
Hardness	EPA 130.2 EPA 150.1 SM 2340C-1997/2011	EPA 150.1
Hexavalent chromium	EPA 7196A SM 3500-Cr B-2009/2011	EPA 3060A EPA 7196A SM 3500-Cr B -2009/2011
MBAS	SM 5540C-2000/2011	-----
Methane, dissolved	-----	-----
Nonfilterable residue	EPA 160.2 SM 2540 D-1997/2011	-----
Oil and grease	EPA 1664A/1664B	EPA 9071
Osmotic pressure	PA-DEP 391-2000-008	-----
pH	EPA 9040C SM 4500-H ⁺ B-2000/2011	EPA 9040C EPA 9045D
Phenols	EPA 420.1	EPA 420.1
Sulfate	EPA 300.0 EPA 375.4 EPA 9056/9056A SM 4500 SO4 E-1997/2011	EPA 300.0 EPA 375.4 EPA 9056/9056A SM 4500 SO4 E-1997/2011
Sulfide	EPA 376.1 SM 4500-S F-2000/2011	EPA 9030B EPA 9034
TOC	-----	-----
Turbidity	EPA 180.1 SM 2130B-2001/2011	-----
Microbiology		
Total coliform	-----	-----
Fecal coliform	SM 9222D-2006 SM 9221B/C/E-2006	-----
Purgeable Organics (Volatiles)		
Acetone	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Acetonitrile	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Acrolein	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
Acrylonitrile	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Allyl chloride	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
T-amylmethylether	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Benzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Bromobenzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Bromochloromethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Bromodichloromethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Bromoform	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Bromomethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,3-Butadiene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
2-Butanone	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
n-Butyl alcohol	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
tert-Butyl alcohol	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
n-Butylbenzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
sec-Butylbenzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
tert-Butylbenzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Carbon disulfide	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Carbon tetrachloride	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Chlorobenzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Chloroethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
2-Chloroethyl vinyl ether	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Chloroform	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Chloroprene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1-Chlorohexane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Chloromethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
2-Chlorotoluene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
4-Chlorotoluene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Cyclohexane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Cyclohexanone	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Dibromochloromethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Dibromofluoromethane *Surrogate	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,2-Dibromo-3-chloropropane (DBCP)	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Dibromomethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,2-Dibromomethane (EDB)	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,2-Dichlorobenzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,3-Dichlorobenzene	EPA 624	-----
1,4-Dichlorobenzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
trans-1,4-Dichloro-2-butene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Dichlorodifluoromethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,1-Dichloroethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,2-Dichloroethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,1-Dichloroethene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
cis-1,2-Dichloroethene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
trans-1,2-Dichloroethene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,2-Dichloropropane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,3-Dichloropropane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
2,2-Dichloropropane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,1-Dichloropropene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
cis-1,3-Dichloropropene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
trans-1,3-Dichloropropene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Diethyl ether	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Di-isopropyl ether	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
Dimethyldisulfide	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Dimethyl sulfide	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,4-Dioxane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Ethyl acetate	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Ethyl-t-butyl ether	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Ethyl methacrylate	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Ethyl benzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Gas range organics (GRO)	EPA 8015B /8015C/8015D OK-GRO	EPA 8015B/8015C/8015D OK-GRO
2-Hexanone	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Hexachlorobutadiene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
n-Hexane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Isoprene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Isopropylbenzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,4-Isopropyltoluene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Iodomethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Isobutyl alcohol	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Methacrylonitrile	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Methyl acetate	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Methylcyclohexane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Methyl methacrylate	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
alpha-Methylstyrene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Methyl tert-butyl ether	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Methylene chloride	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
4-Methyl-2-pentanone	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Naphthalene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
2-Nitropropane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
n-Propylbenzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Propionitrile	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Styrene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,1,1,2-Tetrachloroethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,1,2,2-Tetrachloroethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Tetrachloroethene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Tetrahydrofuran	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Toluene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,1,1-Trichloroethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,1,2-Trichloroethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Trichloroethene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Trichlorofluoromethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,2,3-Trichlorobenzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,2,3-Trichloropropane	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,2,4-Trichlorobenzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,2,4-Trimethylbenzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,3,5-Trimethylbenzene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Vinyl acetate	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Vinyl chloride	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Xylenes, total	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,2-Xylene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,3-Xylene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
1,4-Xylene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
m,p-Xylene	EPA 624 EPA 8260B/8260C	EPA 8260B/8260C
Prep Methods	EPA 5030B/5030C EPA 5035/5035A	EPA 5035/5035A



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
Headspace Organics		
n-Butane	EPA 5021/RSK175	-----
Carbon dioxide	EPA 5021/RSK175	-----
Methane	EPA 5021/RSK175	-----
Ethane	EPA 5021/RSK175	-----
Ethene	EPA 5021/RSK175	-----
Propane	EPA 5021/RSK175	-----
Acetylene	EPA 5021/RSK175	-----
Acenaphthene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Acenaphthylene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Acetophenone	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2-Acetylaminofluorene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
4-Aminobiphenyl	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Aniline	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Anthracene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Aramite	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Atrazine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Benzidine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Benzoic acid	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Benzo (a) anthracene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Benzo (b) fluoranthene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Benzo (k) fluoranthene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Benzo (g,h,i) perylene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Benzo (a) pyrene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Benzyl alcohol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
Benzaldehyde	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Biphenyl	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Bis(2-chloroethoxy) methane	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Bis (2-chloroethyl) ether	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Bis(2-chloroisopropyl) ether	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Bis (2-ethylhexyl) phthalate	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
4-Bromophenylphenylether	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Butyl benzyl phthalate	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Caprolactam	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Carbazole	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
4-Chloroaniline	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Chlorobenzilate	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
4-Chloro-3-methylphenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
1-Chloronaphthalene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2-Chloronaphthalene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2-Chlorophenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
4-Chlorophenylphenyl ether	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Chrysene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Cresols	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Diallate	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Dibenzo (a,c) anthracene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Dibenzo (a,h) anthracene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Dibenzofuran	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
1,2-Dichlorobenzene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
1,3-Dichlorobenzene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
1,4-Dichlorobenzene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
3,3'-Dichlorobenzidine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2,4-Dichlorophenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2,6-Dichlorophenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Diethyl phthalate	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Dimethoate	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
4-Dimethylaminoazobenzene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
7,12-Dimethylbenz(a)anthracene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
3,3'-Dimethylbenzidine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Alpha-,alpha-dimethylphenethylamine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2,4-Dimethylphenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Dimethyl phthalate	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Di-n-butyl phthalate	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Di-n-octyl phthalate	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2,4-Dinitrophenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2,4-Dinitrotoluene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2,6-Dinitrotoluene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
1,4-Dioxane	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Diphenylamine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
1,2-Diphenylhydrazine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Disulfoton	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
DRO/ORO	EPA 8015B/8015C/8015D OK-DRO	EPA 3546/8015B/8015C/8015D OK-DRO
Ethyl methanesulfonate	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Ethyl parathion	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Famphur	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
Fluoroanthene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Fluorene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Hexachlorobenzene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Hexachlorobutadiene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Hexachlorocyclopentadiene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Hexachloroethane	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Hexachlorophene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Hexachloropropene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Indeno (1,2,3-cd) pyrene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Isodrin	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Isophorone	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Isosafrole	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Kepone	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Methapyrilene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
3-Methylcholanthrene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2-Methyl-4,6-dinitrophenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Methyl methanesulfonate	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
1-Methylnaphthalene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
2-Methylnaphthalene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Methyl parathion	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2-Methyl phenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
3,4-Methyl phenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Naphthalene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
1,4-Naphthoquinone	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
1-Naphthylamine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2-Naphthylamine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2-Nitroaniline	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
3-Nitroaniline	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
4-Nitroaniline	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Nitrobenzene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
5-Nitro-o-toluidine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2-Nitrophenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
4-Nitrophenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Nitroquinoline-1-oxide	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
n-Nitrosodiethylamine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
n-Nitrosodimethylamine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
n-Nitroso-di-n-butylamine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
n-Nitrosodi-n-propylamine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
n-Nitrosodiphenylamine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
n-Nitrosomethylethylamine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
n-Nitrosomorpholine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
n-Nitrosopiperidine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
n-Nitrosopyrrolidine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Pentachlorobenzene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Pentachloroethane	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Pentachloronitobenzene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Pentachlorophenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Perylene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Phenacetin	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
Phenanthrene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Phenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
1,4-Phenylenediamine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Phorate	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2-Picoline	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Pronamide	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Pyrene	EPA 625 EPA 8270C/8270D EPA 8270C SIM/8270D SIM	EPA 8270C/8270D EPA 8270C SIM/8270D SIM
Pyridine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Safrole	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Sulfotepp	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
1,2,4,5-Tetrachlorobenzene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2,3,4,6-Tetrachlorophenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
o,o,o-Triethyl phosphorothioate	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Thionazin	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
1,2,4-Trichlorobenzene	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2,4,5-Trichlorophenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
2,4,6-Trichlorophenol	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
o-Toluidine	EPA 625 EPA 8270C/8270D	EPA 8270C/8270D
Prep Methods	EPA 3510C/3520C	EPA 3550B/3550C EPA 3580A EPA 3546
<u>Pesticides/Herbicides/PCB</u>		
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011	-----
1,2-Dibromomethane (EDB)	EPA 8011	-----
Aldrin	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
alpha-BHC	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
beta-BHC	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
delta-BHC	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
gamma-BHC	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
Chlordane (technical)	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
alpha-chlordane	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
gamma-chlordane	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
4,4'-DDD	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
4,4'-DDE	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
4,4',-DDT	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
Dieldrin	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
Endosulfan I	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
Endosulfan II	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
Endosulfan sulfate	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
Endrin	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
Endrin aldehyde	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
Endrin ketone	EPA 8081A/8081B	EPA 8081A/8081B
Heptachlor	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
Heptachlor epoxide	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
Methoxychlor	EPA 8081A/8081B	EPA 8081A/8081B
Toxaphene	EPA 608 EPA 8081A/8081B	EPA 8081A/8081B
PCB-1016 (aroclor)	EPA 608 EPA 8082/8082A	EPA 8082/8082A
PCB-1221	EPA 608 EPA 8082/8082A	EPA 8082/8082A
PCB-1232	EPA 608 EPA 8082/8082A	EPA 8082/8082A
PCB-1242	EPA 608 EPA 8082/8082A	EPA 8082/8082A
PCB-1248	EPA 608 EPA 8082/8082A	EPA 8082/8082A
PCB-1254	EPA 608 EPA 8082/8082A	EPA 8082/8082A
PCB-1260	EPA 608 EPA 8082/8082A	EPA 8082/8082A
PCB-1262	EPA 8082/8082A	EPA 8082/8082A



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
PCB-1268	EPA 8082/8082A	EPA 8082/8082A
Prep Methods	EPA 3510C	EPA 3550B/3550C/3546/3580A
2,4-D	EPA 8151A	EPA 8151A
Dalapon	EPA 8151A	EPA 8151A
2,4-DB	EPA 8151A	EPA 8151A
Dicamba	EPA 8151A	EPA 8151A
Dichloroprop	EPA 8151A	EPA 8151A
Dinoseb	EPA 8151A	EPA 8151A
MCPA	EPA 8151A	EPA 8151A
MCPP	EPA 8151A	EPA 8151A
Pentachlorophenol	EPA 8151A	EPA 8151A
2,4,5-T	EPA 8151A	EPA 8151A
2,4,5-TP	EPA 8151A	EPA 8151A
HPLC		
1,3,5-Trinitrobenzene	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
1,3-Dinitrobenzene	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
2,4,6-Trinitrotoluene	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
2,4-Dinitrotoluene	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
2,6-Dinitrotoluene	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
2-Amino-4,6-dinitrotoluene	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
2-Nitrotoluene	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
3-Nitrotoluene	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
4-Amino-2,6-dinitrotoluene	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
4-Nitrotoluene	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
Nitrobenzene	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
Nitroglycerin	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
HMX	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
PETN	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
RDX	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
Tetryl	EPA 8330B/8330A(modified)	EPA 8330B/8330A(modified)
Prep Methods	EPA 3535A	-----
Formaldehyde	EPA 8315A	EPA 8315A
Acetaldehyde	EPA 8315A	EPA 8315A
Proponal	EPA 8315A	EPA 8315A
Acetic acid	830MBA	-----
Butyric acid	830MBA	-----
Lactic acid	830MBA	-----
Propionic acid	830MBA	-----
Pyruvic acid	830MBA	-----
Acetate	AOAC 986.13	-----
Formate	AOAC 986.13	-----
Hazardous Waste Characteristics		
Corrosivity	EPA 9040C	EPA 9040C/9045D
Ignitibility	EPA 1010A	EPA 1010A EPA 1030
Reactive cyanide	EPA SW 846 Ch 7 7.3.3.2-1996	EPA SW 846 Ch 7 7.3.3.2-1996
Reactive sulfide	EPA SW 846 Ch 7 7.3.4.2-1996	EPA SW 846 Ch 7 7.3.4.2-1996



Parameter/Analyte	Nonpotable Water (1)	Solid and Chemical Materials (2)
Synthetic precipitation leaching procedure (SPLP)	EPA 1312	EPA 1312
Toxicity characteristic leaching procedure (TCLP)	EPA 1311	EPA 1311
Water leach	-----	ASTM D3987-06/85
Clean-up		
-----	EPA 3620B	EPA 3620B
-----	EPA 3665A	EPA 3665A
-----	EPA 3630C	EPA 3630C
-----	EPA 3660B	EPA 3660B
LC/MS/MS		
Perchlorate	EPA 331/6850	EPA 6850

Parameter/Analyte	Potable Water	Non-potable Water (1)	Solid and Chemical Materials (2)
Radiochemistry			
Gross alpha	EPA 900.0	EPA 900.0	EPA 900.0
Gross beta	EPA 900.0	EPA 900.0	EPA 900.0
Ra-226	EPA 903.0	EPA 903.0	EPA 903.0
Ra-228	EPA 904.0	EPA 9320/904.0	EPA 9320/904.0
Gamma emitters	EPA 901.1	EPA 901.1	EPA 901.1
Total alpha	-----	EPA 900.0/9310	EPA 900.0/9310
Total beta	-----	EPA 900.0/9310	EPA 900.0/9310
Total radium	-----	EPA 903.0/9315	EPA 903.0/9315

(1) Method List includes Clean Water Act and RCRA water parameters.

(2) Method List includes RCRA parameters only

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 2009 TNI Standard, accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

Parameter/Analyte	Potable Water
Metals	
Aluminum	EPA 200.7
Antimony	EPA 200.8
Arsenic	EPA 200.7/200.8
Barium	EPA 200.7/200.8
Beryllium	EPA 200.7
Boron	EPA 200.7
Cadmium	EPA 200.7/200.8
Calcium	EPA 200.7
Chromium	EPA 200.7/200.8



Parameter/Analyte	Potable Water
Cobalt	EPA 200.7/200.8
Copper	EPA 200.7/200.8
Iron	EPA 200.7
Lead	EPA 200.7/200.8
Lithium	EPA 200.7
Magnesium	EPA 200.7
Manganese	EPA 200.7/200.8
Mercury	EPA 245.1
Molybdenum	EPA 200.7
Nickel	EPA 200.7/200.8
Potassium	EPA 200.7
Selenium	EPA 200.7/200.8
Silver	EPA 200.7/200.8
Sodium	EPA 200.7
Strontium	EPA 200.7
Thallium	EPA 200.8
Uranium	EPA 200.8
Vanadium	EPA 200.7
Zinc	EPA 200.7/200.8
Wet Chemistry	
Alkalinity	EPA 310.1
Bromide	EPA 300.0
Chloride	EPA 300.0 EPA 325.2 SM 4500-Cl-E
Conductivity	SM 2510B
Dissolved Methane	RSK 175
Hardness	SM 2340B
MBAS	SM 5540C
Nitrate	EPA 300.0 EPA 353.2 SM 4500-NO ₃ -F
pH	EPA 150.1 SM 4500-H+B
TOC	SM 5310C
Total Dissolved Solids	EPA 160.1 SM 2540D
Total Suspended Solids	EPA 160.2 SM 2540D

