



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

RTI LABORATORIES, INC.
 31628 Glendale
 Livonia, Michigan 48150
 Yemane Yohannes Phone: 734-422-8000 ext. 215

ENVIRONMENTAL

Valid To: November 30, 2020

Certificate Number: 0570.03

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with ISO IEC 17025:2017, and 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:

Testing Technologies

ICP/MS, Gas Chromatography, Gas Chromatography/Mass Spectrometry, Gravimetry, High Performance Liquid Chromatography, Ion Chromatography, Methylene Blue Active Substances, Misc.- Electronic Probes (pH, O₂), Oxygen Demand, Hazardous Waste Characteristics Tests, Spectrophotometry (Visible), Spectrophotometry (Automated), Titrimetry, Total Organic Carbon, Turbidity

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous</u>	<u>Solid/Chemical</u>
<u>Metals</u>				
Aluminum	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Antimony	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Arsenic	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Barium	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Beryllium	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Boron	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Cadmium	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Calcium	-----	EPA 200.7	EPA 6010C/6010D	EPA 6010C/6010D
Chromium	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Cobalt	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous</u>	<u>Solid/Chemical</u>
Copper	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Iron	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Lead	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Lithium	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Magnesium	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Manganese	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Mercury	EPA 245.1	EPA 245.1/ EPA 1631E	EPA 7470A	EPA 7471B
Molybdenum	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Nickel	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Potassium	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Selenium	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Silicon	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Silver	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Strontium	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Sodium	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Thallium	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Tin	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Titanium	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Uranium	EPA 200.8	EPA 200.8	EPA 6020B	EPA 6020B
Vanadium	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
Zinc	EPA 200.8	EPA 200.7/200.8	EPA 6020B/6010C/6010D	EPA 6020B/6010C/6010D
<u>Nutrients</u>				
Ammonia (as N)	SM 4500 NH ₃ -D/ EPA 350.1/ SM4500-NH3-H	SM 4500 NH ₃ D/ EPA 350.1/ SM4500-NH3-H	-----	-----
Kjeldahl Nitrogen	SM 4500 N _{org} -B/ SM 4500 NH ₃ -D/	SM 4500 N _{org} -B/	SM 4500 N _{org} -B/ SM 4500 NH ₃ -C	SM 4500 N _{org} -B/ SM 4500 NH ₃ -C

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous</u>	<u>Solid/Chemical</u>
	EPA 351.2/ SM 4500- N _{org} -D	SM 4500 NH ₃ - D/ EPA 351.2/ SM 4500- N _{org} -D		
Nitrate (as N)	EPA 300.0	EPA 300.0/ EPA 9056	EPA 9056	EPA 9056
Nitrate-Nitrite (as N)	EPA 300.0/ EPA 353.2/ SM 4500 NO ₃ -F	EPA 300.0/ EPA 353.2/ SM 4500 NO ₃ -F/ EPA 9056	EPA 9056A	EPA 9056A
Nitrite (as N)	EPA 300.0 EPA 353.2 (BP) SM 4500 NO ₃ -F (BP)	EPA 300.0 EPA 353.2 (BP) SM 4500 NO ₃ -F (BP)/ EPA 9056	EPA 9056A	EPA 9056A
Orthophosphate (as P)	SM 4500 PO ₄ -F	SM 4500 PO ₄ -F/ EPA 9056	EPA 9056A	EPA 9056A
Total Phosphorus	SM 4500 P-F/ SM 4500 P-H	SM 4500 P-F/ SM 4500 P-H	-----	-----
<u>Demands</u>				
Biochemical Oxygen Demand	SM 5210 B	SM 5210 B	-----	-----
Carbonaceous BOD	SM 5210 B	SM 5210 B	-----	-----
Chemical Oxygen Demand	EPA 410.4	-----	-----	-----
Total Organic Carbon	SM 5310 B	SM 5310 B	EPA 9060	EPA 9060
<u>Wet Chemistry</u>				
Alkalinity (as CaCO ₃)	SM 2320 B	SM 2320B	-----	-----
Bromide	EPA 300.0	-----	EPA 300.0/9056A	EPA 9056A
Chloride	EPA 300.0	EPA 300.0/9056	EPA 9056A	EPA 9056A
Cyanide	SM 4500 CN-E/ EAP 335.4	SM 4500 CN-E/ EAP 335.4	EPA 9012B	EPA 9012B
Available Cyanide	ASTM 6888-04/ 0IA-01677-09	ASTM 6888-04/ 0IA-01677-09	-----	-----
Fluoride	EPA 300.0	EPA 300.0/9056	EPA 9056A	EPA 9056A
Hardness	SM 2340B	SM 2340B	-----	-----
Hexavalent Chromium	-----	SM 3500 Cr-B	-----	EPA 3060A
pH	SM 4500-H ⁺ B	SM 4500-H ⁺ B	EPA 9040C/9041A	EPA 9045D
Perchlorate	-----	EPA 6850	EPA 6850	EPA 6850
Oil and Grease	EPA 1664A	EPA 1664A	EPA 9071B	EPA 9071B
Phenols	EPA 420.1	EPA 420.1/9065	EPA 9065	EPA 9065
Total Residue	SM 2540 B	SM 2540 B	-----	-----
Filterable Residue	SM 2540 C	SM 2540 C	-----	-----
Nonfilterable Residue	SM 2540 D	SM 2540 D	-----	-----
Specific Conductance (Conductivity)	EPA 120.1/ SM 2510B	EPA 120.1/ SM 2510B	EPA 9050A	EPA 9050A
Sulfate	EPA 300.0	EPA 300.0/9056	EPA 9056A	EPA 9056A

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous</u>	<u>Solid/Chemical</u>
Turbidity	SM 2130 B	SM 2130 B	-----	-----
<u>Purgeable Organics (Volatiles)</u>				
Acetone	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Acetonitrile	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Acrolein	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Acrylamide	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	-----
Acrylonitrile	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
tert-Amyl Ethyl Ether	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Benzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Bromobenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Bromochloromethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Bromodichloromethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
4-Bromofluorobenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Bromoform	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Bromomethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
n-Butylbenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
sec-Butylbenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
tert-Butylbenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
tert-Butyl Ethyl Ether	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Carbon Disulfide	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Carbon Tetrachloride	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Chlorobenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Chlorobenzene-d5	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Chloroethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
2-Chloroethyl Vinyl Ether	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Chloroform	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Chloromethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
2-Chlorotoluene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
4-Chlorotoluene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Cyclohexane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Dibromochloromethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Dibromofluoromethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Dibromomethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,2 Dibromomethane (EDB)	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
trans-1,4-Dichloro-2-Butene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
trans-1,4-Dichloroethene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,2-Dichlorobenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,3-Dichlorobenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,4-Dichlorobenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Dichlorodifluoromethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,1-Dichloroethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,2-Dichloroethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,1-Dichloroethene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous</u>	<u>Solid/Chemical</u>
cis-1,2-Dichloroethene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
trans-1,2-Dichloroethene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,2-Dichloropropane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,3-Dichloropropane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
2,2-Dichloropropane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,1-Dichloropropene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
cis-1,3-Dichloropropene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
trans-1,3-Dichloropropene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Diethyl Ether	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,4-Difluorobenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Ethyl Benzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Ethyl Methacrylate	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Gas Range Organics (GRO)	-----	EPA 8015D	EPA 8260C/8260D	EPA 8260C/8260D
2-Hexanone	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Hexachlorobutadiene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Hexachloroethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Isopropylbenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
4-Isopropyltoluene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Iodomethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Isopropyl Ether	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Methyl Acetate	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Methylcyclohexane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Methylene Chloride	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Methyl Ethyl Ketone (MEK)	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
2-Methylnaphthalene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
4-Methyl-2-Pentanone	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
2-Methyl-2-Propanol (MIBK)	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Methyl Tert Butyl Ether (MTBE)	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Naphthalene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Pentafluorobenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
n-Propylbenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Styrene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,1,1,2-Tetrachloroethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,1,2,2-Tetrachloroethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Tetrachloroethene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Tetrahydrofuran	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Toluene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Total Petroleum Hydrocarbons (TPH)	-----	EPA 1664A	EPA 1664A	EPA 9071A
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C
1,1,1-Trichloroethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,1,2-Trichloroethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Trichloroethene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous</u>	<u>Solid/Chemical</u>
Trichlorofluoromethane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,2,3-Trichlorobenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,2,4-Trichlorobenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,2,3-Trichloropropane	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,2,3-Trimethylbenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,2,4-Trimethylbenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
1,3,5-Trimethylbenzene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Trihalomethanes	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Vinyl Acetate	-----	-----	-----	EPA 8260C/8260D
Vinyl Chloride	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Xylenes, Total	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
m,p-Xylene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
o-Xylene	EPA 524.2	EPA 624/624.1	EPA 8260C/8260D	EPA 8260C/8260D
Carbon Dioxide	RSKSOP-175 (GC-FID)	RSKSOP-175 (GC-FID)	RSKSOP-175 (GC-FID)	-----
Ethane	RSKSOP-175 (GC-FID)	RSKSOP-175 (GC-FID)	RSKSOP-175 (GC-FID)	-----
Ethylene (Ethene)	RSKSOP-175 (GC-FID)	RSKSOP-175 (GC-FID)	RSKSOP-175 (GC-FID)	-----
Methane	RSKSOP-175 (GC-FID)	RSKSOP-175 (GC-FID)	RSKSOP-175 (GC-FID)	-----
<u>Extractable Organics (Semivolatiles)</u>				
Acenaphthene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Acenaphthylene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Acetone	-----	-----	EPA 8270D/8270E	EPA 8270D/8270E
Acetophenone	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
4-Aminobiphenyl	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Aniline	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Anthracene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Atrazine	-----	-----	EPA 8270D/8270E	EPA 8270D/8270E
Benzaldehyde	-----	-----	EPA 8270D/8270E	EPA 8270D/8270E
Benzidine	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Benzoic Acid	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Benzo (a) Anthracene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Benzo (b) Fluoranthene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Benzo (k) Fluoranthene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Benzo (ghi) Perylene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Benzo (a) Pyrene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Benzyl Alcohol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Benzyl Chloride	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
1,1-Biphenyl	-----	-----	EPA 8270D/8270E	EPA 8270D/8270E
Bis (2-chloroethoxy) Methane	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Bis (2-chloroethyl) Ether	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous</u>	<u>Solid/Chemical</u>
Bis (2-chloroisopropyl) Ether	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Bis (2-ethylhexyl) Phthalate	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
4-Bromophenyl Phenyl Ether	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Butyl Benzyl Phthalate	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2-sec-Butyl-4,6-Dinitrophenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Caprolactum	-----	-----	EPA 8270D/8270E	EPA 8270D/8270E
4-Chloroaniline	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
4-Chloro-3-Methylphenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
1-Chloronaphthalene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2-Chloronaphthalene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2-Chlorophenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
4-Chlorophenyl Phenyl Ether	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Chrysene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Cresols	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2-Cyclohexyl-4,6-Dinitrophenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Dibenzo (a,h) Anthracene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Dibenzofuran	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
1,2-Dichlorobenzene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
1,3-Dichlorobenzene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
1,4-Dichlorobenzene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
3,3'-Dichlorobenzidine	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2,4-Dichlorophenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2,6-Dichlorophenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Diethyl Phthalate	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2,4-Dimethylphenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Dimethyl Phthalate	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Di-n-butyl Phthalate	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Di-n-octyl Phthalate	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2,4-Dinitrophenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2,4-Dinitrotoluene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2,6-Dinitrotoluene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
1,4-Dioxane	-----	-----	EPA 8270D/8270E	EPA 8270D/8270E
Diphenylamine	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
DRO	-----	EPA 8015D	EPA 8015D	EPA 8015D
Fluoranthene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Fluorene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Hexachlorobenzene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Hexachlorobutadiene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Hexachlorocyclopentadiene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Hexachloroethane	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Indeno (1,2,3-cd) Pyrene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous</u>	<u>Solid/Chemical</u>
Isophorone	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2-Methyl-4,6-Dinitrophenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2-Methylnaphthalene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2-Methylphenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
4-Methylphenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Naphthalene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2-Nitroaniline	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
3-Nitroaniline	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
4-Nitroaniline	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Nitrobenzene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2-Nitrophenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
4-Nitrophenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
N-Nitrosodi-n-propylamine	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
N-Nitrosodiphenylamine	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2, 2-oxybis(1-chloropropane)	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Pentachlorobenzene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Pentachloronitobenzene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Pentachlorophenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Phenanthrene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Phenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Polynuclear Aromatic Hydrocarbons (PAHs)	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Pyrene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
Tetrachlorobenzenes	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
1,2,4,5-Tetrachlorobenzene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2,3,4,5-Tetrachlorophenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2,4,6-Tribromophenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
1,2,4-Trichlorobenzene	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2,4,5-Trichlorophenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
2,4,6-Trichlorophenol	-----	EPA 625/625.1	EPA 8270D/8270E	EPA 8270D/8270E
<u>Pesticides/Herbicides/PCBs</u>				
Aldrin	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
alpha-BHC	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
beta-BHC	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
delta-BHC	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
gamma-BHC	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
Chlordane (technical)	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
2,4-D	-----	-----	EPA 8151A Modified	EPA 8151A Modified
Dalapon	-----	-----	EPA 8151A Modified	EPA 8151A Modified
2,4-DB	-----	-----	EPA 8151A Modified	EPA 8151A Modified
4,4'-DDD	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
4,4'-DDE	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
4,4',-DDT	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
Dicamba	-----	-----	EPA 8151A Modified	EPA 8151A Modified
Dichloroprop	-----	-----	EPA 8151A Modified	EPA 8151A Modified

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous</u>	<u>Solid/Chemical</u>
ieldrin	-----	EPA 608/8081B	EPA 8081A	EPA 8081A
Dinoseb	-----	-----	EPA 8151A Modified	EPA 8151A Modified
Endosulfan I	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
Endosulfan II	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
Endosulfan Sulfate	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
Endrin	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
Endrin Aldehyde	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
Endrin Ketone	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
Heptachlor	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
Heptachlor Epoxide	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
MCPA	-----	-----	EPA 8151A Modified	EPA 8151A Modified
MCPP	-----	-----	EPA 8151A Modified	EPA 8151A Modified
Methoxychlor	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
PCB-1016 (Aroclor)	-----	EPA 608/8082A	EPA 8082A	EPA 8082A
PCB-1221	-----	EPA 608/8082A	EPA 8082A	EPA 8082A
PCB-1232	-----	EPA 608/8082A	EPA 8082A	EPA 8082A
PCB-1242	-----	EPA 608/8082A	EPA 8082A	EPA 8082A
PCB-1248	-----	EPA 608/8082A	EPA 8082A	EPA 8082A
PCB-1254	-----	EPA 608/8082A	EPA 8082A	EPA 8082A
PCB-1260	-----	EPA 608/8082A	EPA 8082A	EPA 8082A
PCB-1262	-----	EPA 608/8082A	EPA 8082A	EPA 8082A
PCB-1268	-----	EPA 608/8082A	EPA 8082A	EPA 8082A
2,4,5-T	-----	-----	EPA 8151A Modified	EPA 8151A Modified
2,4,5-TP	-----	-----	EPA 8151A Modified	EPA 8151A Modified
Toxaphene	-----	EPA 608/8081B	EPA 8081B	EPA 8081B
Nitroguanidine	-----	-----	EPA 8330B	EPA 8330B
1,3,5-Trinitrobenzene	-----	-----	EPA 8330B	EPA 8330B
1,3-Dinitrobenzene	-----	-----	EPA 8330B	EPA 8330B
2,4,6-Trinitrotoluene	-----	-----	EPA 8330B	EPA 8330B
3,5-Dinitroaniline	-----	-----	EPA 8330B	EPA 8330B
2,4-Dinitrotoluene	-----	-----	EPA 8330B	EPA 8330B
2,6-Dinitrotoluene	-----	-----	EPA 8330B	EPA 8330B
2-Amino-4,6-Dinitrotoluene	-----	-----	EPA 8330B	EPA 8330B
2-Nitrotoluene	-----	-----	EPA 8330B	EPA 8330B
3-Nitrotoluene	-----	-----	EPA 8330B	EPA 8330B
4-Amino-2,6-Dinitrotoluene	-----	-----	EPA 8330B	EPA 8330B
4-Nitrotoluene	-----	-----	EPA 8330B	EPA 8330B
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	-----	-----	EPA 8330B	EPA 8330B
Methyl-2,4,6-Trinitrophenylnitramine (Tetryl)	-----	-----	EPA 8330B	EPA 8330B
Nitrobenzene	-----	-----	EPA 8330B	EPA 8330B
Nitroglycerin	-----	-----	EPA 8330B	EPA 8330B

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous</u>	<u>Solid/Chemical</u>
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	-----	-----	EPA 8330B	EPA 8330B
PETN	-----	-----	EPA 8330B	EPA 8330B
Particle Size	-----	-----	-----	ASTM D6913
Nitroglycerine	-----	-----	EPA 8330B	EPA 8330B
White Phosphorus	-----	-----	EPA 7580	EPA 7580
Thiodiglycol	-----	-----	RTI SOP-HPLC	RTI SOP-HPLC
Dimethyl Methyl Phosphonate(OMMP)	-----	-----	8270D-Mod RTI SOP	8270D-Mod RTI SOP
1,4-Oxathiane	-----	-----	8270D-Mod RTI SOP	8270D-Mod RTI SOP
1,4-Dithiane	-----	-----	8270D-Mod RTI SOP	8270D-Mod RTI SOP
Diisopropyl Methyl Phosphonate(OIMP)	-----	-----	8270D-Mod RTI SOP	8270D-Mod RTI SOP
Benzothiazole	-----	-----	8270D-Mod RTI SOP	8270D-Mod RTI SOP
4-Chlorophenyl Methyl Sulfide	-----	-----	8270D-Mod RTI SOP	8270D-Mod RTI SOP
4-Chlorophenyl Methyl Sulfoxide	-----	-----	8270D-Mod RTI SOP	8270D-Mod RTI SOP
4-Chlorophenyl Methyl Sulfone	-----	-----	8270D-Mod RTI SOP	8270D-Mod RTI SOP
<u>Characteristics</u>				
Corrosivity	-----	-----	EPA 9040C	SW846 Ch7/9040C/9045C
Ignitability	-----	-----	EPA 1010/1030	EPA 1010/1030
Paint Filter Liquids Test	-----	-----	EPA 9095A	EPA 9095A
Synthetic Precipitation Leaching Procedure (SPLP)	-----	-----	EPA 1312	EPA 1312
Toxicity Characteristic Leaching Procedure	-----	-----	EPA 1311	EPA 1311
<u>Preparation Methods</u>				
Metals	-----	-----	EPA 3010A/3020A	EPA 3050B
Purgeable Organics	-----	-----	EPA 5030B	EPA 5035
Extractable Organics	-----	-----	EPA 3510C	EPA 3545/3546/3550C
“General”/Anions	-----	-----	EPA 5050	EPA 5050

<u>Analyte</u>	<u>Air</u>
1,1,1-Trichloroethane	EPA TO-15
1,1,2,2-Tetrachloroethane	EPA TO-15
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA TO-15
1,1-Dichloroethane	EPA TO-15
1,1-Dichloroethene	EPA TO-15
1,2,4-Trichlorobenzene	EPA TO-15

<u>Analyte</u>	<u>Air</u>
1,2,4-Trimethylbenzene	EPA TO-15
1,2-Dibromoethane	EPA TO-15
1,2-Dichlorobenzene	EPA TO-15
1,2-Dichloroethane	EPA TO-15
1,2-Dichloropropane	EPA TO-15
1,3,5-Trimethylbenzene	EPA TO-15
1,3-Butadiene	EPA TO-15
1,3-Dichlorobenzene	EPA TO-15
1,4-Dichlorobenzene	EPA TO-15
1,4-Dioxane	EPA TO-15
2-Butanone	EPA TO-15
2-Hexanone	EPA TO-15
2-Propanol	EPA TO-15
4-Methyl-2-Pentanone	EPA TO-15
Benzene	EPA TO-15
Benzyl Chloride	EPA TO-15
Bromodichloromethane	EPA TO-15
Bromoform	EPA TO-15
Bromomethane	EPA TO-15
Carbon Disulfide	EPA TO-15
Carbon Tetrachloride	EPA TO-15
Chlorobenzene	EPA TO-15
Chlorodibromomethane	EPA TO-15
Chloroethane	EPA TO-15
Chloroform	EPA TO-15
Chloromethane	EPA TO-15
cis-1,2-Dichloroethene	EPA TO-15
cis-1,3-dichloropropene	EPA TO-15
Cyclohexane	EPA TO-15
Dichlorodifluoromethane	EPA TO-15
Ethanol	EPA TO-15
Ethyl Acetate	EPA TO-15
Ethylbenzene	EPA TO-15
Heptane (n-Heptane)	EPA TO-15
Hexachlorobutadiene	EPA TO-15
m,p-Xylene	EPA TO-15
o-Xylene	EPA TO-15
Propylene (Propene)	EPA TO-15
Styrene	EPA TO-15
tert-Butyl Methyl Ether	EPA TO-15
Tetrachloroethene	EPA TO-15
Tetrahydrofuran	EPA TO-15
Toluene	EPA TO-15
trans-1,3-Dichloropropene	EPA TO-15
Trichloroethene	EPA TO-15
Trichlorofluoromethane	EPA TO-15
Vinyl Acetate	EPA TO-15

<u>Analyte</u>	<u>Air</u>
Vinyl Chloride	EPA TO-15
Xylenes, Total	EPA TO-15
<u>PCBs as Aroclors</u>	
Aroclor 1016	EPA TO-4A/EPA TO-10A
Aroclor 1221	EPA TO-4A/EPA TO-10A
Aroclor 1232	EPA TO-4A/EPA TO-10A
Aroclor 1242	EPA TO-4A/EPA TO-10A
Aroclor 1248	EPA TO-4A/EPA TO-10A
Aroclor 1254	EPA TO-4A/EPA TO-10A
Aroclor 1260	EPA TO-4A/EPA TO-10A
Total PCBs	EPA TO-4A/EPA TO-10A
<u>Pesticides</u>	
4,4'-DDD	EPA TO-4A/EPA TO-10A
4,4'-DDE	EPA TO-4A/EPA TO-10A
4,4'-DDT	EPA TO-4A/EPA TO-10A
Aldrin	EPA TO-4A/EPA TO-10A
alpha-BHC	EPA TO-4A/EPA TO-10A
beta-BHC	EPA TO-4A/EPA TO-10A
gamma-BHC	EPA TO-4A/EPA TO-10A
Chlordane, Total	EPA TO-4A/EPA TO-10A
Dieldrin	EPA TO-4A/EPA TO-10A
Endosulfan I	EPA TO-4A/EPA TO-10A
Endosulfan II	EPA TO-4A/EPA TO-10A
Endosulfan Sulfate	EPA TO-4A/EPA TO-10A
Endrin	EPA TO-4A/EPA TO-10A
Endrin Aldehyde	EPA TO-4A/EPA TO-10A
Endrin Ketone	EPA TO-4A/EPA TO-10A
Heptachlor	EPA TO-4A/EPA TO-10A
Heptachlor Epoxide	EPA TO-4A/EPA TO-10A
Hexachlorobenzene	EPA TO-4A/EPA TO-10A
Methoxychlor	EPA TO-4A/EPA TO-10A
Toxaphene	EPA TO-4A/EPA TO-10A



Accredited Laboratory

A2LA has accredited

RTI LABORATORIES, INC.

Livonia, MI

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 17025:2017, and the 2009 TNI Environmental Testing Laboratory Standard 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 April 2017).



Presented this 31st day of January 2019.

A blue ink signature of a person, likely the Vice President of Accreditation Services, written over a horizontal line.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 570.03
Valid to November 30, 2020
Revised October 30, 2020

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