

**NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER**



Expires 12:01 AM April 01, 2020
Issued April 01, 2019
Revised May 14, 2019

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. RACHEL R. BONCZYK
CERTIFIED ENVIRONMENTAL SERVICES INC
7280 CASWELL PLACE
NORTH SYRACUSE, NY 13212

NY Lab Id No: 11246

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Acrylates

Acrolein (Propenal)	EPA 8260C
	EPA 624.1
Acrylonitrile	EPA 8260C
	EPA 624.1

Amines

1,2-Diphenylhydrazine	EPA 625.1
	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Pyridine	EPA 8270D

Bacteriology

Coliform, Fecal	SM 9221C E-2006
	SM 9222D-2006
	Colilert-18
Coliform, Total	SM 9221B-2006
	SM 9222B-2006
E. coli (Enumeration)	Colilert-24
	SM 9223B-2004
Heterotrophic Plate Count	SM 18-21 9215B

Benzidines

3,3'-Dichlorobenzidine	EPA 625.1
	EPA 8270D
Benzidine	EPA 625.1
	EPA 8270D

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 625.1
	EPA 8270D
2-Chloronaphthalene	EPA 625.1
	EPA 8270D
Hexachlorobenzene	EPA 625.1
	EPA 8270D
Hexachlorobutadiene	EPA 625.1
	EPA 8270D
Hexachlorocyclopentadiene	EPA 625.1
	EPA 8270D
Hexachloroethane	EPA 625.1
	EPA 8270D

Demand

Biochemical Oxygen Demand	SM 5210B-2011
Carbonaceous BOD	SM 5210B-2011
Chemical Oxygen Demand	SM 5220D-2011
	SM 5220C-2011

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Fuel Oxygenates

Methyl tert-butyl ether	EPA 8260C
	EPA 624.1
tert-butyl alcohol	EPA 8260C

Haloethers

2,2'-Oxybis(1-chloropropane)	EPA 625.1
	EPA 8270D
4-Bromophenylphenyl ether	EPA 625.1
	EPA 8270D
4-Chlorophenylphenyl ether	EPA 625.1
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 625.1
	EPA 8270D
Bis(2-chloroethyl)ether	EPA 625.1
	EPA 8270D

Metals I

Barium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Cadmium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Calcium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Chromium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Copper, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C

Metals I

Iron, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Lead, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Magnesium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Manganese, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Nickel, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Potassium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Silver, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Sodium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C

Metals II

Aluminum, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Antimony, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Arsenic, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Beryllium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C

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Metals II		Mineral	
Chromium VI	EPA 7196A	Sulfate (as SO4)	SM 4500-SO4 E-2011
Mercury, Total	EPA 245.1, Rev. 3.0 (1994)	Miscellaneous	
	EPA 7470A	Boron, Total	EPA 200.7, Rev. 4.4 (1994)
Selenium, Total	EPA 200.7, Rev. 4.4 (1994)	Color	SM 2120B-2011
	EPA 6010C	Corrosivity	SM 2330
Vanadium, Total	EPA 200.7, Rev. 4.4 (1994)	Cyanide, Total	SM 4500-CN E-2011
	EPA 6010C	non-Polar Extractable Material (TPH)	EPA 1664A
Zinc, Total	EPA 200.7, Rev. 4.4 (1994)	Oil and Grease Total Recoverable (HEM)	EPA 1664A
	EPA 6010C	Phenols	EPA 420.1 (Rev. 1978)
Metals III		Specific Conductance	SM 2510B-2011
Cobalt, Total	EPA 200.7, Rev. 4.4 (1994)	Sulfide (as S)	SM 4500-S2- F-2011
	EPA 6010C	Surfactant (MBAS)	SM 5540C-2011
Molybdenum, Total	EPA 200.7, Rev. 4.4 (1994)	Turbidity	SM 2130 B-2011
	EPA 6010C	Nitroaromatics and Isophorone	
Thallium, Total	EPA 200.7, Rev. 4.4 (1994)	2,4-Dinitrotoluene	EPA 625.1
	EPA 6010C		EPA 8270D
Tin, Total	EPA 200.7, Rev. 4.4 (1994)	2,6-Dinitrotoluene	EPA 625.1
	EPA 6010C		EPA 8270D
Titanium, Total	EPA 200.7, Rev. 4.4 (1994)	Isophorone	EPA 625.1
	EPA 6010C		EPA 8270D
Mineral		Nitrobenzene	EPA 625.1
Alkalinity	SM 2320B-2011		EPA 8270D
Calcium Hardness	EPA 200.7, Rev. 4.4 (1994)	Nitrosoamines	
Chloride	SM 4500-Cl- B-2011	N-Nitrosodimethylamine	EPA 625.1
Hardness, Total	EPA 200.7, Rev. 4.4 (1994)		

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Nitrosoamines

N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 625.1
	EPA 8270D
N-Nitrosodiphenylamine	EPA 625.1
	EPA 8270D

Phthalate Esters

Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 625.1
	EPA 8270D
Di-n-octyl phthalate	EPA 625.1
	EPA 8270D

Nutrient

Ammonia (as N)	SM 4500-NH3 D-2011 or E-2011
Kjeldahl Nitrogen, Total	SM 4500-NH3 D-2011 or E-2011
Nitrate (as N)	SM 4500-NO3 E-2011
Nitrate-Nitrite (as N)	SM 4500-NO3 E-2011
Nitrite (as N)	SM 4500-NO3 E-2011
	SM 4500-NO2 B-2011
Orthophosphate (as P)	EPA 365.3 (Issued 1978)
Phosphorus, Total	EPA 365.3 (Issued 1978)

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016)	EPA 8082A
	EPA 608.3
Aroclor 1221 (PCB-1221)	EPA 8082A
	EPA 608.3
Aroclor 1232 (PCB-1232)	EPA 8082A
	EPA 608.3
Aroclor 1242 (PCB-1242)	EPA 8082A
	EPA 608.3
Aroclor 1248 (PCB-1248)	EPA 8082A
	EPA 608.3
Aroclor 1254 (PCB-1254)	EPA 8082A
	EPA 608.3

Organophosphate Pesticides

Atrazine	EPA 8270D
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Phthalate Esters

Benzyl butyl phthalate	EPA 625.1
	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 625.1
	EPA 8270D
Diethyl phthalate	EPA 625.1
	EPA 8270D
Dimethyl phthalate	EPA 625.1

Polynuclear Aromatics

Acenaphthene	EPA 625.1
	EPA 8270D

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Polynuclear Aromatics

Acenaphthylene	EPA 625.1 EPA 8270D
Anthracene	EPA 625.1 EPA 8270D
Benzo(a)anthracene	EPA 625.1 EPA 8270D
Benzo(a)pyrene	EPA 625.1 EPA 8270D
Benzo(b)fluoranthene	EPA 625.1 EPA 8270D
Benzo(g,h,i)perylene	EPA 625.1 EPA 8270D
Benzo(k)fluoranthene	EPA 625.1 EPA 8270D
Chrysene	EPA 625.1 EPA 8270D
Dibenzo(a,h)anthracene	EPA 625.1 EPA 8270D
Fluoranthene	EPA 625.1 EPA 8270D
Fluorene	EPA 625.1 EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 625.1 EPA 8270D
Naphthalene	EPA 625.1 EPA 8270D

Polynuclear Aromatics

Phenanthrene	EPA 625.1 EPA 8270D
Pyrene	EPA 625.1 EPA 8270D

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 625.1 EPA 8270D
2,4,6-Trichlorophenol	EPA 625.1 EPA 8270D
2,4-Dichlorophenol	EPA 625.1 EPA 8270D
2,4-Dimethylphenol	EPA 625.1 EPA 8270D
2,4-Dinitrophenol	EPA 625.1 EPA 8270D
2-Chlorophenol	EPA 625.1 EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 625.1 EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 625.1 EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 625.1

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Priority Pollutant Phenols

4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 625.1
	EPA 8270D
Cresols, Total	EPA 8270D
Pentachlorophenol	EPA 625.1
	EPA 8270D
Phenol	EPA 625.1
	EPA 8270D

Semi-Volatile Organics

Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
	EPA 624.1
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
	EPA 624.1
1,4-Dichlorobenzene	EPA 8260C
	EPA 624.1

Residue

Settleable Solids	SM 2540 F-2011
Solids, Total	SM 2540 B-2011
Solids, Total Dissolved	SM 2540 C-2011
Solids, Total Suspended	SM 2540 D-2011
Solids, Volatile	SM 2540 E-2011

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D

2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
	EPA 624.1
Chlorobenzene	EPA 8260C
	EPA 624.1
Ethyl benzene	EPA 8260C
	EPA 624.1
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
	EPA 624.1
Naphthalene, Volatile	EPA 8260C
	EPA 624.1

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Volatile Aromatics

n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
	EPA 624.1
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
	EPA 624.1
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
	EPA 624.1
Total Xylenes	EPA 8260C
	EPA 624.1

Volatile Halocarbons

1,1-Dichloroethene	EPA 624.1
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
	EPA 624.1
1,2-Dichloropropane	EPA 8260C
	EPA 624.1
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloro-1,3-butadiene (Chloroprene)	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
	EPA 624.1
Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 8260C
	EPA 624.1
Bromoform	EPA 8260C
	EPA 624.1
Bromomethane	EPA 8260C
	EPA 624.1
Carbon tetrachloride	EPA 8260C
	EPA 624.1
Chloroethane	EPA 8260C
	EPA 624.1
Chloroform	EPA 8260C

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C
	EPA 624.1
1,1,1,2-Tetrachloroethane	EPA 8260C
	EPA 624.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
	EPA 624.1
1,1-Dichloroethane	EPA 8260C
	EPA 624.1
1,1-Dichloroethene	EPA 8260C

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Volatile Halocarbons

Chloroform	EPA 624.1
Chloromethane	EPA 8260C
	EPA 624.1
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
	EPA 624.1
Dibromochloromethane	EPA 8260C
	EPA 624.1
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
	EPA 624.1
Hexachlorobutadiene, Volatile	EPA 8260C
Methyl iodide	EPA 8260C
Methylene chloride	EPA 8260C
	EPA 624.1
Tetrachloroethene	EPA 8260C
	EPA 624.1
trans-1,2-Dichloroethene	EPA 8260C
	EPA 624.1
trans-1,3-Dichloropropene	EPA 8260C
	EPA 624.1
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
	EPA 624.1
Trichlorofluoromethane	EPA 8260C
	EPA 624.1

Volatile Halocarbons

Vinyl chloride	EPA 8260C
	EPA 624.1

Volatiles Organics

1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
	EPA 624.1
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C
Vinyl acetate	EPA 8260C

Sample Preparation Methods

EPA 5030C
SM 4500-CN B-2011 and C-201
EPA 3010A
EPA 3005A
EPA 3510C
SM 4500-NH3 B-2011
SM 4500-S2- B,C-2011

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