

Expires 12:01 AM April 01, 2024 Issued April 01, 2022 Revised March 30, 2023

NY Lab Id No: 11867

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. GARY M. ALEXANDER REGIONAL WATER AUTHORITY 90 SARGENT DRIVE NEW HAVEN, CT 06511

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2016) for the category ENVIRONMENTAL ANALYSES POTABLE WATER

All approved analytes are listed below:

Chlorinated Acids

2,4,5-TP (Silvex)	EPA 515.3
2,4-D	EPA 515.3
Dalapon	EPA 515.3
Dicamba	EPA 515.3
Dinoseb	EPA 515.3
Pentachlorophenol	EPA 515.3
Picloram	EPA 515.3

Disinfection By-products

Bromate

Bromide	EPA 300.1 Rev. 1.0
Bromochloroacetic acid	SM 21-23 6251B (-94,-07)
Chlorate	EPA 300.1 Rev. 1.0
Chlorite	EPA 300.1 Rev. 1.0
Dibromoacetic acid	SM 21-23 6251B (-94,-07)
Dichloroacetic acid	SM 21-23 6251B (-94,-07)
Monobromoacetic acid	SM 21-23 6251B (-94,-07)
Monochloroacetic acid	SM 21-23 6251B (-94,-07)

EPA 300.1 Rev. 1.0

SM 21-23 6251B (-94,-07)

Fuel Additives

Trichloroacetic acid

Methyl tert-butyl ether	EPA 524.3 Rev. 1
Naphthalene	EPA 524.3 Rev. 1

Metals I

Arsenic, Total	EPA 200.9 Rev. 2.2
Barium, Total	EPA 200.7 Rev. 4.4
Cadmium, Total	EPA 200.7 Rev. 4.4
Chromium, Total	EPA 200.7 Rev. 4.4

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Metals I

Copper, Total	EPA 200.7 Rev. 4.4
Iron, Total	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.9 Rev. 2.2
Manganese, Total	EPA 200.7 Rev. 4.4
Selenium, Total	EPA 200.9 Rev. 2.2
Silver, Total	EPA 200.7 Rev. 4.4
Zinc, Total	EPA 200.7 Rev. 4.4

Metals II

Aluminum, Total	EPA 200.7 Rev. 4.4
Antimony, Total	EPA 200.9 Rev. 2.2
Beryllium, Total	EPA 200.7 Rev. 4.4
Nickel, Total	EPA 200.7 Rev. 4.4
Thallium, Total	EPA 200.9 Rev. 2.2

Metals III

Calcium, Total	EPA 200.7 Rev. 4.4
Magnesium, Total	EPA 200.7 Rev. 4.4
Potassium, Total	EPA 200.7 Rev. 4.4
Sodium, Total	EPA 200.7 Rev. 4.4

Microextractables

1,2-Dibromo-3-chloropropane, Low Le	EPA 504.1
1,2-Dibromoethane, Low Level	EPA 504.1

Miscellaneous

Benzo(a)pyrene	EPA 525.2
Bis(2-ethylhexyl) phthalate	EPA 525.2
Di (2-ethylhexyl) adipate	EPA 525.2

Organic Carbon, Total SM 21-23 5310B (-00)

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Miscellaneous

UV 254 SM 21-23 5910B (-00,-11)

Non-Metals

SM 21-23 2320B (-97) Alkalinity SM 18-22 2340B (-97) Calcium Hardness Chloride EPA 300.0 Rev. 2.1 Color SM 21-23 2120B (-01) Fluoride, Total SM 21-23 4500-F C (-97) Nitrate (as N) EPA 300.0 Rev. 2.1 Nitrite (as N) EPA 300.0 Rev. 2.1 EPA 300.0 Rev. 2.1 Orthophosphate (as P) Solids, Total Dissolved SM 21-23 2540C (-97) Specific Conductance SM 21-23 2510B (-97) EPA 300.0 Rev. 2.1 Sulfate (as SO4)

Organohalide Pesticides

Butachlor EPA 525.2

Metolachlor EPA 525.2

Metribuzin EPA 525.2

Propachlor EPA 525.2

Perfluorinated Alkyl Acids

11CL-PF3OUDS EPA 537.1
9CL-PF3ONS EPA 537.1
ADONA EPA 537.1
Hexafluoropropylene Oxide Dimer Acic EPA 537.1
NETFOSAA EPA 537.1
NMEFOSAA EPA 537.1
Perflourotridecanoic Acid (PFTRDA) EPA 537.1

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Perfluorinated Alkyl Acids

Perfluordecanoic Acid (PFDA)	EPA 537.1
Perfluorobutanesulfonic Acid (PFBS)	EPA 537.1
Perfluorododecanoic Acid (PFDOA)	EPA 537.1
Perfluoroheptanoic Acid (PFHPA)	EPA 537.1
Perfluorohexanesulfonic Acid (PFHXS	EPA 537.1
Perfluorohexanoic Acid (PFHXA)	EPA 537.1
Perfluorononanoic Acid (PFNA)	EPA 537.1
Perfluorooctanesulfonic Acid (PFOS)	EPA 537
	EPA 537.1
Perfluorooctanoic Acid (PFOA)	EPA 537
	EPA 537.1
Perfluorotetradecanoic Acid (PFTA)	EPA 537.1
Perfluoroundecanoic Acid (PFUNA)	EPA 537.1

Trihalomethanes

Bromodichloromethane	EPA 524.3 Rev. 1
Bromoform	EPA 524.3 Rev. 1
Chloroform	EPA 524.3 Rev. 1
Dibromochloromethane	EPA 524.3 Rev. 1
Total Trihalomethanes	EPA 524.3 Rev. 1

Volatile Aromatics

1,2,3-Trichlorobenzene	EPA 524.3 Rev. 1
1,2,4-Trichlorobenzene	EPA 524.3 Rev. 1
1,2,4-Trimethylbenzene	EPA 524.3 Rev. 1
1,2-Dichlorobenzene	EPA 524.3 Rev. 1
1,3,5-Trimethylbenzene	EPA 524.3 Rev. 1
1,3-Dichlorobenzene	EPA 524.3 Rev. 1

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Volatile Aromatics

1,4-Dichlorobenzene	EPA 524.3 Rev. 1	
2-Chlorotoluene	EPA 524.3 Rev. 1	
4-Chlorotoluene	EPA 524.3 Rev. 1	
Benzene	EPA 524.3 Rev. 1	
Bromobenzene	EPA 524.3 Rev. 1	
Chlorobenzene	EPA 524.3 Rev. 1	
Ethyl benzene	EPA 524.3 Rev. 1	
Hexachlorobutadiene	EPA 524.3 Rev. 1	
Isopropylbenzene	EPA 524.3 Rev. 1	
n-Butylbenzene	EPA 524.3 Rev. 1	
n-Propylbenzene	EPA 524.3 Rev. 1	
p-Isopropyltoluene (P-Cymene)	EPA 524.3 Rev. 1	
sec-Butylbenzene	EPA 524.3 Rev. 1	
Styrene	EPA 524.3 Rev. 1	
tert-Butylbenzene	EPA 524.3 Rev. 1	
Toluene	EPA 524.3 Rev. 1	
Total Xylenes	EPA 524.3 Rev. 1	

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 524.3 Rev. 1
1,1,1-Trichloroethane	EPA 524.3 Rev. 1
1,1,2,2-Tetrachloroethane	EPA 524.3 Rev. 1
1,1,2-Trichloroethane	EPA 524.3 Rev. 1
1,1-Dichloroethane	EPA 524.3 Rev. 1
1,1-Dichloroethene	EPA 524.3 Rev. 1
1,1-Dichloropropene	EPA 524.3 Rev. 1
1,2,3-Trichloropropane	EPA 524.3 Rev. 1
1,2-Dichloroethane	EPA 524.3 Rev. 1

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Volatile Halocarbons

1,2-Dichloropropane	EPA 524.3 Rev. 1
1,3-Dichloropropane	EPA 524.3 Rev. 1
Bromochloromethane	EPA 524.3 Rev. 1
Bromomethane	EPA 524.3 Rev. 1
Carbon tetrachloride	EPA 524.3 Rev. 1
Chloromethane	EPA 524.3 Rev. 1
cis-1,2-Dichloroethene	EPA 524.3 Rev. 1
cis-1,3-Dichloropropene	EPA 524.3 Rev. 1
Dibromomethane	EPA 524.3 Rev. 1
Dichlorodifluoromethane	EPA 524.3 Rev. 1
Methylene chloride	EPA 524.3 Rev. 1
Tetrachloroethene	EPA 524.3 Rev. 1
trans-1,2-Dichloroethene	EPA 524.3 Rev. 1
trans-1,3-Dichloropropene	EPA 524.3 Rev. 1
Trichloroethene	EPA 524.3 Rev. 1
Trichlorofluoromethane	EPA 524.3 Rev. 1
Vinyl chloride	EPA 524.3 Rev. 1

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