

Expires 12:01 AM April 01, 2025 Issued April 01, 2024 Revised April 16, 2024

NY Lab Id No: 11673

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. MICHAEL MCCALLUM NEW ENGLAND TESTING LAB INC 59 GREENHILL STREET WEST WARWICK, RI 02893

> is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2016) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER All approved analytes are listed below:

Amines

Pyridine EPA 625.1

EPA 8270E

Benzidines

3,3'-Dichlorobenzidine EPA 625.1

EPA 8270E

Benzidine EPA 625.1

EPA 8270E

Chlorinated Hydrocarbon Pesticides

4,4'-DDD EPA 8081B

EPA 608.3

4,4'-DDE EPA 8081B

EPA 608.3

4,4'-DDT EPA 8081B

EPA 608.3

Aldrin EPA 8081B

EPA 608.3

alpha-BHC EPA 8081B

EPA 608.3

beta-BHC EPA 8081B

EPA 608.3

Chlordane Total EPA 8081B

EPA 608.3

delta-BHC EPA 8081B

EPA 608.3

Dieldrin EPA 8081B

EPA 608.3

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Chlorinated Hydrocarbon Pesti	cides	
Endosulfan I	EPA 8081B	
	EPA 608.3	
Endosulfan II	EPA 8081B	
	EPA 608.3	
Endosulfan sulfate	EPA 8081B	
	EPA 608.3	
Endrin	EPA 8081B	
	EPA 608.3	
Endrin aldehyde	EPA 8081B	
	EPA 608.3	
Heptachlor	EPA 8081B	
	EPA 608.3	
Heptachlor epoxide	EPA 8081B	
	EPA 608.3	
Lindane	EPA 8081B	
	EPA 608.3	
Methoxychlor	EPA 8081B	
	EPA 608.3	
Toxaphene	EPA 8081B	
	EPA 608.3	
Chlorinated Hydrocarbons		
1,2,4-Trichlorobenzene	EPA 625.1	
	EPA 8270E	
2-Chloronaphthalene	EPA 625.1	

1,2,4-Trichlorobenzene	EPA 625.1
	EPA 8270E
2-Chloronaphthalene	EPA 625.1
	EPA 8270E
Hexachlorobenzene	EPA 625.1
	FPA 8270F

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Chlorinated Hydrocarbons

Hexachlorobutadiene	EPA 625.1
	EPA 8270E
Hexachlorocyclopentadiene	EPA 625.1
Hexachloroethane	EPA 625.1
	EPA 8270E

Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dicamba	EPA 8151A

F

Fuel Oxygenates	
Di-isopropyl ether	EPA 8260D
	EPA 8260C
Methyl tert-butyl ether	EPA 8260D
	EPA 8260C
tert-amyl methyl ether (TAME)	EPA 8260D
	EPA 8260C
tert-butyl alcohol	EPA 8260D
	EPA 8260C
tert-butyl ethyl ether (ETBE)	EPA 8260D
	EPA 8260C

Haloethers

2,2'-Oxybis(1-chloropropane)	EPA 625.1
	EPA 8270E
4-Bromophenylphenyl ether	EPA 625.1
	EPA 8270E

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Haloethers

4-Chlorophenylphenyl ether EPA 625.1

EPA 8270E

Bis(2-chloroethoxy)methane EPA 625.1

EPA 8270E

Bis(2-chloroethyl)ether EPA 625.1

EPA 8270E

Metals I

Barium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

Cadmium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

Calcium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

Chromium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

Copper, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

Iron, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

Lead, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

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Metals I

Magnesium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

Manganese, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

Nickel, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

Potassium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

Silver, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

Sodium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

Metals II

Antimony, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

Arsenic, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

Beryllium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

Chromium VI SM 3500-Cr B-2011

Mercury, Total EPA 245.1, Rev. 3.0 (1994)

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Metals II

Mercury, Total EPA 7470A

Selenium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

Zinc, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

Metals III

Thallium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010C

EPA 200.8, Rev. 5.4 (1994)

Miscellaneous

 Cyanide, Total
 SM 4500-CN E-2016

 Sulfide (as S)
 SM 4500-S2- D-2011

Nitroaromatics and Isophorone

2,4-Dinitrotoluene EPA 625.1

EPA 8270E

2,6-Dinitrotoluene EPA 625.1

EPA 8270E

Isophorone EPA 625.1

EPA 8270E

Nitrobenzene EPA 625.1

EPA 8270E

Nitrosoamines

N-Nitrosodimethylamine EPA 625.1 N-Nitrosodi-n-propylamine EPA 625.1

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Nitrosoamines

N-Nitrosodiphenylamine	EPA 625.1	
Phthalate Esters		
Benzyl butyl phthalate	EPA 625.1	
	EPA 8270E	
Bis(2-ethylhexyl) phthalate	EPA 625.1	
	EPA 8270E	
Diethyl phthalate	EPA 625.1	
	EPA 8270E	
Dimethyl phthalate	EPA 625.1	
	EPA 8270E	
Di-n-butyl phthalate	EPA 625.1	
	EPA 8270E	
Di-n-octyl phthalate	EPA 625.1	
	EPA 8270E	
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	

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Aroclor 1254 (PCB-1254)

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EPA 8082A





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Polychlorinated Biphenyls

Aroclor 1254 (PCB-1254)	EPA 608.3
Aroclor 1260 (PCB-1260)	EPA 8082A
	EPA 608.3

Polynuclear Aromatics		
Acenaphthene	EPA 625.1	
	EPA 8270E	
Acenaphthylene	EPA 625.1	
	EPA 8270E	
Anthracene	EPA 625.1	
	EPA 8270E	
Benzo(a)anthracene	EPA 625.1	
	EPA 8270E	
Benzo(a)pyrene	EPA 625.1	
	EPA 8270E	
Benzo(b)fluoranthene	EPA 625.1	
	EPA 8270E	
Benzo(g,h,i)perylene	EPA 625.1	
	EPA 8270E	
Benzo(k)fluoranthene	EPA 625.1	
	EPA 8270E	

EPA 625.1 EPA 8270E

EPA 625.1 EPA 8270E

EPA 625.1 EPA 8270E EPA 625.1

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Dibenzo(a,h)anthracene

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Chrysene

Fluoranthene

Fluorene



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Polynuclear Aromatics

Fluorene	EPA 8270E
Indeno(1,2,3-cd)pyrene	EPA 625.1
	EPA 8270E
Naphthalene	EPA 625.1
	EPA 8270E
Phenanthrene	EPA 625.1
	EPA 8270E
Pyrene	EPA 625.1
	EPA 8270E

Р

Priority Pollutant Phenols	
2,4,5-Trichlorophenol	EPA 625.1
	EPA 8270E
2,4,6-Trichlorophenol	EPA 625.1
	EPA 8270E
2,4-Dichlorophenol	EPA 625.1
	EPA 8270E
2,4-Dimethylphenol	EPA 625.1
	EPA 8270E
2,4-Dinitrophenol	EPA 625.1
	EPA 8270E
2-Chlorophenol	EPA 625.1
	EPA 8270E
2-Methyl-4,6-dinitrophenol	EPA 625.1
	EPA 8270E
2-Nitrophenol	EPA 625.1
	EPA 8270E
4-Chloro-3-methylphenol	EPA 625.1

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Priority Pollutant Phenols

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

Semi-Volatile Organics

1,2-Dichlorobenzene, Semi-volatile	EPA 8270E
1,3-Dichlorobenzene, Semi-volatile	EPA 8270E
1,4-Dichlorobenzene, Semi-volatile	EPA 8270E

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260D
1,2,4-Trimethylbenzene	EPA 8260D
1,2-Dichlorobenzene	EPA 8260D
	EPA 624.1
1,3,5-Trimethylbenzene	EPA 8260D
1,3-Dichlorobenzene	EPA 8260D
	EPA 624.1
1,4-Dichlorobenzene	EPA 8260D
	EPA 624.1
2-Chlorotoluene	EPA 8260D
4-Chlorotoluene	EPA 8260D
Benzene	EPA 8260D

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Volatile Aromatics

Benzene	EPA 624.1
Bromobenzene	EPA 8260D
Chlorobenzene	EPA 8260D
	EPA 624.1
Ethyl benzene	EPA 8260D
	EPA 624.1
Isopropylbenzene	EPA 8260D
m/p-Xylenes	EPA 8260D
Naphthalene, Volatile	EPA 8260D
n-Butylbenzene	EPA 8260D
n-Propylbenzene	EPA 8260D
o-Xylene	EPA 8260D
p-Isopropyltoluene (P-Cymene)	EPA 8260D
sec-Butylbenzene	EPA 8260D
Styrene	EPA 8260D
tert-Butylbenzene	EPA 8260D
Toluene	EPA 8260D
	EPA 624.1
Total Xylenes	EPA 8260D
	EPA 624.1

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260D
1,1,1-Trichloroethane	EPA 8260D
	EPA 624.1
1,1,2,2-Tetrachloroethane	EPA 8260D
	EPA 624.1
1,1,2-Trichloroethane	EPA 8260D

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Volatile Halocarbons

EPA 624.1
EPA 8260D
EPA 624.1
EPA 8260D
EPA 624.1
EPA 8260D
EPA 8260D
EPA 624.1
EPA 8260D
EPA 624.1
EPA 624.1
EPA 8260D
EPA 8260D
EPA 624.1
EPA 8260D

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Volatile Halocarbons

cis-1,3-Dichloropropene	EPA 8260D	
	EPA 624.1	
Dibromochloromethane	EPA 8260D	
	EPA 624.1	
Dibromomethane	EPA 8260D	
Dichlorodifluoromethane	EPA 8260D	
Hexachlorobutadiene, Volatile	EPA 8260D	
Methylene chloride	EPA 8260D	
	EPA 624.1	
Tetrachloroethene	EPA 8260D	
	EPA 624.1	
trans-1,2-Dichloroethene	EPA 8260D	
	EPA 624.1	
trans-1,3-Dichloropropene	EPA 8260D	
	EPA 624.1	
Trichloroethene	EPA 8260D	
	EPA 624.1	
Trichlorofluoromethane	EPA 8260D	
	EPA 624.1	
Vinyl chloride	EPA 8260D	
	EPA 624.1	

Sample Preparation Methods

EPA 5030C

SM 4500-CN B-2016 and C-2016

EPA 3010A EPA 3005A EPA 3510C

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Characteristic Testing

Ignitability EPA 1010A TCLP EPA 1311

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B

Chlorinated Hydrocarbons

1,2,4-Trichlorobenzene EPA 8270D
2-Chloronaphthalene EPA 8270E
Hexachlorobenzene EPA 8270E

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Chlorinated Hydrocarbons

Hexachlorobutadiene	EPA 8270E
Hexachloroethane	EPA 8270E

Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
2,4-DB	EPA 8151A
Dicamba	EPA 8151A
Dinoseb	EPA 8151A

Haloethers

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

Metals I

Barium, Total	EPA 6010C
Cadmium, Total	EPA 6010C
Chromium, Total	EPA 6010C
Copper, Total	EPA 6010C
Lead, Total	EPA 6010C
Nickel, Total	EPA 6010C
Silver, Total	EPA 6010C

Metals II

Antimony, Total	EPA 6010C	
Arsenic, Total	EPA 6010C	

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Metals II

Beryllium, Total	EPA 6010C
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010C
Zinc, Total	EPA 6010C

Metals III

Thallium, Total EPA 6010C

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 8270E
2,6-Dinitrotoluene	EPA 8270E
Isophorone	EPA 8270E
Nitrobenzene	EPA 8270E

Nitrosoamines

N-Nitrosodimethylamine	EPA 8270D
	EPA 8270E
N-Nitrosodiphenylamine	EPA 8270D
	EPA 8270E

Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
	EPA 8270E
Bis(2-ethylhexyl) phthalate	EPA 8270D
	EPA 8270E
Diethyl phthalate	EPA 8270D
	EPA 8270E
Dimethyl phthalate	EPA 8270D
	EPA 8270E
Di-n-butyl phthalate	EPA 8270D

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

MR. MICHAEL MCCALLUM NEW ENGLAND TESTING LAB INC 59 GREENHILL STREET WEST WARWICK, RI 02893

> is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2016) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved analytes are listed below:

Phthalate Esters

Di-n-butyl phthalate	EPA 8270E
Di-n-octyl phthalate	EPA 8270D
	EPA 8270E

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016)	EPA 8082A
Aroclor 1221 (PCB-1221)	EPA 8082A
Aroclor 1232 (PCB-1232)	EPA 8082A
Aroclor 1242 (PCB-1242)	EPA 8082A
Aroclor 1248 (PCB-1248)	EPA 8082A
Aroclor 1254 (PCB-1254)	EPA 8082A
Aroclor 1260 (PCB-1260)	EPA 8082A

Polynuclear Aromatic Hydrocarbons

EPA 8270E
EPA 8270E

Serial No.: 69253





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Priority Pollutant Phenols

2,4,6-Trichlorophenol	EPA 8270E
2,4-Dichlorophenol	EPA 8270E
2,4-Dimethylphenol	EPA 8270E
2,4-Dinitrophenol	EPA 8270E
2-Chlorophenol	EPA 8270E
2-Methyl-4,6-dinitrophenol	EPA 8270E
2-Methylphenol	EPA 8270E
2-Nitrophenol	EPA 8270E
3-Methylphenol	EPA 8270E
4-Chloro-3-methylphenol	EPA 8270E
4-Methylphenol	EPA 8270E
4-Nitrophenol	EPA 8270E
Pentachlorophenol	EPA 8270E
Phenol	EPA 8270E

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260D
1,2,4-Trimethylbenzene	EPA 8260D
1,2-Dichlorobenzene	EPA 8260D
1,3,5-Trimethylbenzene	EPA 8260D
1,3-Dichlorobenzene	EPA 8260D
1,4-Dichlorobenzene	EPA 8260D
2-Chlorotoluene	EPA 8260D
4-Chlorotoluene	EPA 8260D
Benzene	EPA 8260D
Bromobenzene	EPA 8260D
Chlorobenzene	EPA 8260D
Ethyl benzene	EPA 8260D

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Volatile Aromatics

Isopropylbenzene	EPA 8260D
m/p-Xylenes	EPA 8260D
Naphthalene, Volatile	EPA 8260D
n-Butylbenzene	EPA 8260D
n-Propylbenzene	EPA 8260D
o-Xylene	EPA 8260D
p-Isopropyltoluene (P-Cymene)	EPA 8260D
sec-Butylbenzene	EPA 8260D
Styrene	EPA 8260D
tert-Butylbenzene	EPA 8260D
Toluene	EPA 8260D
Total Xylenes	EPA 8260D

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260D
1,1,1-Trichloroethane	EPA 8260D
1,1,2,2-Tetrachloroethane	EPA 8260D
1,1,2-Trichloroethane	EPA 8260D
1,1-Dichloroethane	EPA 8260D
1,1-Dichloroethene	EPA 8260D
1,1-Dichloropropene	EPA 8260D
1,2,3-Trichloropropane	EPA 8260D
1,2-Dibromo-3-chloropropane	EPA 8260D
1,2-Dichloroethane	EPA 8260D
1,2-Dichloropropane	EPA 8260D
1,3-Dichloropropane	EPA 8260D
2,2-Dichloropropane	EPA 8260D
2-Chloro-1,3-butadiene (Chloroprene)	EPA 8260D

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Volatile Halocarbons

2-Chloroethylvinyl ether	EPA 8260D
Bromochloromethane	EPA 8260D
Bromodichloromethane	EPA 8260D
Bromoform	EPA 8260D
Bromomethane	EPA 8260D
Carbon tetrachloride	EPA 8260D
Chloroethane	EPA 8260D
Chloroform	EPA 8260D
Chloromethane	EPA 8260D
cis-1,2-Dichloroethene	EPA 8260D
cis-1,3-Dichloropropene	EPA 8260D
Dibromochloromethane	EPA 8260D
Dibromomethane	EPA 8260D
Dichlorodifluoromethane	EPA 8260D
Hexachlorobutadiene, Volatile	EPA 8260D
Methylene chloride	EPA 8260D
Tetrachloroethene	EPA 8260D
trans-1,2-Dichloroethene	EPA 8260D
trans-1,3-Dichloropropene	EPA 8260D
Trichloroethene	EPA 8260D
Trichlorofluoromethane	EPA 8260D
Vinyl chloride	EPA 8260D

Volatile Organics

2-Butanone (Methylethyl ketone)	EPA 8260D
2-Hexanone	EPA 8260D
4-Methyl-2-Pentanone	EPA 8260D
Acetone	EPA 8260D

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Volatile Organics

Carbon Disulfide EPA 8260D

Methyl tert-butyl ether EPA 8260D

Sample Preparation Methods

EPA 5035A-L EPA 5035A-H EPA 3050B EPA 3550C EPA 3540C EPA 3546 EPA 3051A

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Chlorinated Hydrocarbons

Hexachlorocyclopentadiene EPA 8270E

Sample Preparation Methods

EPA 5035A-L EPA 5035A-H EPA 3550C EPA 3546



Serial No.: 68877