

Expires 12:01 AM April 01, 2024 Issued October 11, 2022 Revised March 30, 2023

NY Lab Id No: 11693

## CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. MICHAEL VERALDI LONG ISLAND ANALYTICAL LABORATORIES, INC 110 COLIN DRIVE HOLBROOK, NY 11741

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES POTABLE WATER All approved subcategories and/or analytes are listed below:

#### Metals I

Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.8 Rev. 5.4
Lead, Total	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.8 Rev. 5.4
Selenium, Total	EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.8 Rev. 5.4

#### Metals II

Aluminum, Total	EPA 200.8 Rev. 5.4
Antimony, Total	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.8 Rev. 5.4
Molybdenum, Total	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Vanadium, Total	EPA 200.8 Rev. 5.4

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#### **Acrylates**

Acrolein (Propenal)	EPA 8260D
Acrylonitrile	EPA 8260D
Ethyl methacrylate	EPA 8260D
Methyl methacrylate	EPA 8260D

#### **Amines**

1,2-Diphenylhydrazine	EPA 8270E
2-Nitroaniline	EPA 8270E
3-Nitroaniline	EPA 8270E
4-Chloroaniline	EPA 8270E
4-Nitroaniline	EPA 8270E
Aniline	EPA 8270E
Carbazole	EPA 8270E

#### Benzidines

3,3'-Dichlorobenzidine	EPA 8270E
Benzidine	EPA 8270E

# **Characteristic Testing**

Corrosivity (pH)	EPA 9045D
Free Liquids	EPA 9095B
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

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#### **Chlorinated Hydrocarbon Pesticides**

alpha-Chlordane	EPA 8081B
Atrazine	EPA 8081B
	EPA 8270E
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
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Mirex	EPA 8081B
Toxaphene	EPA 8081B

#### **Chlorinated Hydrocarbons**

1,2,3-Trichlorobenzene	EPA 8260D
1,2,4-Trichlorobenzene	EPA 8270E
2-Chloronaphthalene	EPA 8270E
Hexachlorobenzene	EPA 8270E
Hexachlorobutadiene	EPA 8270E
Hexachlorocyclopentadiene	EPA 8270E

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#### **Chlorinated Hydrocarbons**

Hexachloroethane	EPA 8270E
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#### **Chlorophenoxy Acid Pesticides**

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dicamba	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 6010D
Cadmium, Total	EPA 6010D
Calcium, Total	EPA 6010D
Chromium, Total	EPA 6010D
Copper, Total	EPA 6010D
Iron, Total	EPA 6010D
Lead, Total	EPA 6010D
Magnesium, Total	EPA 6010D
Manganese, Total	EPA 6010D
Nickel, Total	EPA 6010D
Potassium, Total	EPA 6010D
Silver, Total	EPA 6010D
Sodium, Total	EPA 6010D

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#### Metals II

Aluminum, Total	EPA 6010D
Antimony, Total	EPA 6010D
Arsenic, Total	EPA 6010D
Beryllium, Total	EPA 6010D
Chromium VI	EPA 7196A
Lithium, Total	EPA 6010D
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010D
Vanadium, Total	EPA 6010D
Zinc, Total	EPA 6010D

#### Metals III

Cobalt, Total	EPA 6010D
Molybdenum, Total	EPA 6010D
Thallium, Total	EPA 6010D
Tin, Total	EPA 6010D
Titanium, Total	EPA 6010D

# **Minerals**

Sulfate (as SO4) EPA 9056A

# Miscellaneous

Boron, Total	EPA 6010D
Cyanide, Total	EPA 9014
Specific Conductance	EPA 9050A
Sulfide (as S)	EPA 9034

#### Nitroaromatics and Isophorone

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

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#### Nitroaromatics and Isophorone

Isophorone	EPA 8270E
Nitrobenzene	EPA 8270E
Pyridine	EPA 8270E

#### **Nitrosoamines**

N-Nitrosodimethylamine EPA 8270E
N-Nitrosodi-n-propylamine EPA 8270E
N-Nitrosodiphenylamine EPA 8270E

#### **Nutrients**

Nitrate (as N) EPA 9056A

Nitrite (as N) EPA 9056A

Orthophosphate (as P) EPA 9056A

## **Organophosphate Pesticides**

Parathion ethyl EPA 8270E

## **Petroleum Hydrocarbons**

Diesel Range Organics EPA 8015D
Gasoline Range Organics EPA 8015D

#### Phthalate Esters

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

#### **Polychlorinated Biphenyls**

Aroclor 1016 (PCB-1016) EPA 8082A

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#### **Polychlorinated Biphenyls**

Aroclor 1016 (PCB-1016) in Oil ASTM D4059-91,00, e05

Aroclor 1221 (PCB-1221) EPA 8082A

Aroclor 1221 (PCB-1221) in Oil ASTM D4059-91,00, e05

Aroclor 1232 (PCB-1232) EPA 8082A

Aroclor 1232 (PCB-1232) in Oil ASTM D4059-91,00, e05

Aroclor 1242 (PCB-1242) EPA 8082A

Aroclor 1242 (PCB-1242) in Oil ASTM D4059-91,00, e05

Aroclor 1248 (PCB-1248) EPA 8082A

Aroclor 1248 (PCB-1248) in Oil ASTM D4059-91,00, e05

Aroclor 1254 (PCB-1254) EPA 8082A

Aroclor 1254 (PCB-1254) in Oil ASTM D4059-91,00, e05

Aroclor 1260 (PCB-1260) EPA 8082A

Aroclor 1260 (PCB-1260) in Oil ASTM D4059-91,00, e05

Aroclor 1262 (PCB-1262) EPA 8082A

Aroclor 1262 (PCB-1262) in Oil ASTM D4059-91,00, e05

Aroclor 1268 (PCB-1268) EPA 8082A

Aroclor 1268 (PCB-1268) in Oil ASTM D4059-91,00, e05

# **Polynuclear Aromatic Hydrocarbons**

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

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#### **Polynuclear Aromatic Hydrocarbons**

Dibenzo(a,h)anthracene	EPA 8270E
Fluoranthene	EPA 8270E
Fluorene	EPA 8270E
Indeno(1,2,3-cd)pyrene	EPA 8270E
Naphthalene	EPA 8270E
Phenanthrene	EPA 8270E
Pyrene	EPA 8270E

#### **Priority Pollutant Phenols**

2,4,5-Trichlorophenol	EPA 8270E
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

# **Semi-Volatile Organics**

1,1'-Biphenyl EPA 8270E 1,2-Dichlorobenzene, Semi-volatile EPA 8270E

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#### **Semi-Volatile Organics**

1,3-Dichlorobenzene, Semi-volatile	EPA 8270E
1,4-Dichlorobenzene, Semi-volatile	EPA 8270E
2-Methylnaphthalene	EPA 8270E
Acetophenone	EPA 8270E
Benzaldehyde	EPA 8270E
Benzoic Acid	EPA 8270E
Benzyl alcohol	EPA 8270E
Caprolactam	EPA 8270E
Dibenzofuran	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
Isopropylbenzene	EPA 8260D
m/p-Xylenes	EPA 8260D
Naphthalene, Volatile	EPA 8260D
n-Butylbenzene	EPA 8260D
n-Propylbenzene	EPA 8260D

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#### **Volatile Aromatics**

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

olatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260D
1,1,1-Trichloroethane	EPA 8260D
1,1,2,2-Tetrachloroethane	EPA 8260D
1,1,2-Trichloro-1,2,2-Trifluoroethane	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-Dibromoethane	EPA 8260D
1,2-Dichloroethane	EPA 8260D
1,2-Dichloropropane	EPA 8260D
1,3-Dichloropropane	EPA 8260D
2,2-Dichloropropane	EPA 8260D
2-Chloroethylvinyl ether	EPA 8260D
3-Chloropropene (Allyl chloride)	EPA 8260D
Bromochloromethane	EPA 8260D
Bromodichloromethane	EPA 8260D

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#### **Volatile Halocarbons**

EPA 8260D
EPA 8260D

#### **Volatile Organics**

1,4-Dioxane	EPA 8260D
2-Butanone (Methylethyl ketone)	EPA 8260D
2-Hexanone	EPA 8260D
2-Nitropropane	EPA 8260D
4-Methyl-2-Pentanone	EPA 8260D
Acetone	EPA 8260D

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#### **Volatile Organics**

Carbon Disulfide	EPA 8260D
Di-ethyl ether	EPA 8260D
Methyl acetate	EPA 8260D
Methyl tert-butyl ether	EPA 8260D
tert-butyl alcohol	EPA 8260D
Tetrahydrofuran	EPA 8260D
Vinyl acetate	EPA 8260D

#### **Sample Preparation Methods**

EPA 5035A-L
EPA 5035A-H
EPA 9030B
EPA 3050B
EPA 3545A
EPA 3060A
EPA 9010C

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#### **Bacteriology**

Coliform, Total / E. coli (Qualitative) Colisure

E. coli (Enumeration) SM 20, 21-23 9223B (-04) (Colilert)

Enterococci SM 23 9230D (Enterolert)

Heterotrophic Plate Count SimPlate

**Fuel Additives** 

Methyl tert-butyl ether EPA 524.2 Naphthalene EPA 524.2

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

EPA 200.9 Rev. 2.2

 Chromium, Total
 EPA 200.7 Rev. 4.4

 Copper, Total
 EPA 200.7 Rev. 4.4

 Iron, Total
 EPA 200.7 Rev. 4.4

Lead, Total EPA 200.5

EPA 200.9 Rev. 2.2

 Manganese, Total
 EPA 200.7 Rev. 4.4

 Mercury, Total
 EPA 245.1 Rev. 3.0

 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 200.9 Rev. 2.2

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#### Metals II

Molybdenum, 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

#### Miscellaneous

1.4-Dioxane	EPA 522

Odor	SM 21-23 2150 B (-97)
Surfactant (MBAS)	SM 21-23 5540C (-00)
Turbidity	SM 21-23 2130 B (-01)

# Non-Metals

Alkalinity	SM 21-23 2320B (-97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	EPA 300.0 Rev. 2.1
Color	SM 21-23 2120B (-01)
Cyanide	SM 20, 21-23 4500-CN E
Fluoride, Total	EPA 300.0 Rev. 2.1
Nitrate (as N)	EPA 300.0 Rev. 2.1
Nitrite (as N)	EPA 300.0 Rev. 2.1
Orthophosphate (as P)	EPA 300.0 Rev. 2.1
Silica, Total	EPA 200.7 Rev. 4.4
Solids, Total Dissolved	SM 21-23 2540C (-97)
Specific Conductance	EPA 120.1 Rev. 1982

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#### Non-Metals

Sulfate (as SO4)

 Perfluorinated Alkyl Acids

 11CL-PF3OUDS
 EPA 533

 4:2FTS
 EPA 533

 6:2FTS
 EPA 533

 8:2FTS
 EPA 533

EPA 300.0 Rev. 2.1

8:2F1S EPA 533

9CL-PF3ONS EPA 533

ADONA EPA 533

Hexafluoropropylene Oxide Dimer Acic EPA 533

Nonafluoro-3,6-Dioxaheptanoic Acid EPA 533 Perfluordecanoic Acid (PFDA) EPA 533

Perfluoro-3-Methoxypropanoic Acid EPA 533
Perfluoro-4-Methoxybutanoic Acid EPA 533

Perfluorobutanesulfonic Acid (PFBS) EPA 533
Perfluorobutanoic Acid (PFBA) EPA 533

Perfluorododecanoic Acid (PFDOA) EPA 533 Perfluoroheptanesulfonic Acid (PFHPS EPA 533

Perfluoroheptanoic Acid (PFHPA) EPA 533 Perfluorohexanesulfonic Acid (PFHXS EPA 533

Perfluorohexanoic Acid (PFHXA) EPA 533

Perfluorononanoic Acid (PFNA) EPA 533

Perfluorooctanesulfonic Acid (PFOS) EPA 533

EPA 537.1

Perfluorooctanoic Acid (PFOA) EPA 533

EPA 537.1

Perfluoropentanesulfonic Acid (PFPES EPA 533 Perfluoropentanoic Acid (PFPEA) EPA 533

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#### **Perfluorinated Alkyl Acids**

Perfluoroundecanoic Acid (PFUNA)	EPA 533
PFEESA	EPA 533
Trihalomethanes	
Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2
Volatile Aromatics	
1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2

# Serial No.: 66495

n-Propylbenzene

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EPA 524.2





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

NY Lab Id No: 11693

## CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. MICHAEL VERALDI LONG ISLAND ANALYTICAL LABORATORIES, INC 110 COLIN DRIVE HOLBROOK, NY 11741

> 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:

#### **Volatile Aromatics**

p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2

olatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2

# Serial No.: 66495





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

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MR. MICHAEL VERALDI LONG ISLAND ANALYTICAL LABORATORIES, INC 110 COLIN DRIVE HOLBROOK, NY 11741

ED4 504 0

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:

#### **Volatile Halocarbons**

D: 11

Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2



Serial No.: 66495

v.



Expires 12:01 AM April 01, 2024 Issued October 11, 2022 Revised March 30, 2023

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MR. MICHAEL VERALDI LONG ISLAND ANALYTICAL LABORATORIES, INC 110 COLIN DRIVE HOLBROOK, NY 11741

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES POTABLE WATER All approved subcategories and/or analytes are listed below:

#### Metals I

Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.8 Rev. 5.4
Lead, Total	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.8 Rev. 5.4
Selenium, Total	EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.8 Rev. 5.4

#### Metals II

Aluminum, Total	EPA 200.8 Rev. 5.4
Antimony, Total	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.8 Rev. 5.4
Molybdenum, Total	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Vanadium, Total	EPA 200.8 Rev. 5.4

Serial No.: 66496



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

NY Lab Id No: 11693

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MR. MICHAEL VERALDI LONG ISLAND ANALYTICAL LABORATORIES, INC 110 COLIN DRIVE HOLBROOK, NY 11741

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#### **Acrylates**

Acrolein (Propenal) EPA 8260D
Acrylonitrile EPA 8260D

#### **Amines**

 2-Nitroaniline
 EPA 8270E

 3-Nitroaniline
 EPA 8270E

 4-Chloroaniline
 EPA 8270E

 4-Nitroaniline
 EPA 8270E

 Aniline
 EPA 8270E

 Carbazole
 EPA 625.1

EPA 8270E

Pyridine EPA 625.1

EPA 8270E

# **Bacteriology**

Coliform, Fecal SM 9221 E-2014
Coliform, Total SM 9221B-2014
E. coli (Enumeration) Colilert-24

Enterococci SM 9230D-2013 (Enterolert)

#### **Benzidines**

3,3'-Dichlorobenzidine EPA 625.1 EPA 8270E

#### **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

Serial No.: 66497





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#### **Chlorinated Hydrocarbon Pesticides**

alpha-Chlordane	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
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B

# **Chlorinated Hydrocarbons**

1,2,3-Trichlorobenzene	EPA 8260D
1,2,4-Trichlorobenzene	EPA 625.1
	EPA 8270E
2-Chloronaphthalene	EPA 625.1
	EPA 8270E
Hexachlorobenzene	EPA 625.1
	EPA 8270E
Hexachlorobutadiene	EPA 625.1
	EPA 8270E

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#### **Chlorinated Hydrocarbons**

Hexachlorocyclopentadiene EPA 625.1

**EPA 8270E** 

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

## Demand

Biochemical Oxygen Demand	SM 5210B-2016
Carbonaceous BOD	SM 5210B-2016

#### **Fuel Oxygenates**

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

# Haloethers

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

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EPA 200.7, Rev. 4.4 (1994)

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#### **Haloethers**

Bis(2-chloroethyl)ether EPA 8270E

#### Metals I

Barium, Total

	,
Cadmium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 200.9 Rev. 2.2 (1994)
Calcium, Total	EPA 200.7, Rev. 4.4 (1994)
Chromium, Total	EPA 200.7, Rev. 4.4 (1994)
Copper, Total	EPA 200.7, Rev. 4.4 (1994)
Iron, Total	EPA 200.7, Rev. 4.4 (1994)
Lead, Total	EPA 200.7, Rev. 4.4 (1994)
Magnesium, Total	EPA 200.7, Rev. 4.4 (1994)
Manganese, Total	EPA 200.7, Rev. 4.4 (1994)
Nickel, Total	EPA 200.7, Rev. 4.4 (1994)
Potassium, Total	EPA 200.7, Rev. 4.4 (1994)
Silver, Total	EPA 200.7, Rev. 4.4 (1994)
Sodium, Total	EPA 200.7, Rev. 4.4 (1994)
Strontium, Total	EPA 200.7, Rev. 4.4 (1994)

# Metals II

Aluminum, Total	EPA 200.7, Rev. 4.4 (1994)
Antimony, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 200.9 Rev. 2.2 (1994)
Arsenic, Total	EPA 200.7, Rev. 4.4 (1994)
Beryllium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 200.9 Rev. 2.2 (1994)
Chromium VI	EPA 7196A
Mercury, Total	EPA 245.1, Rev. 3.0 (1994)

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#### Metals II

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

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

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

#### Metals III

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

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

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

 EPA 200.9 Rev. 2.2 (1994)

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

#### Mineral

Alkalinity SM 2320B-2011

 Calcium Hardness
 EPA 200.7, Rev. 4.4 (1994)

 Chloride
 EPA 300.0, Rev. 2.1 (1993)

 Fluoride, Total
 EPA 300.0, Rev. 2.1 (1993)

Hardness, Total SM 2340B-2011

Sulfate (as SO4) EPA 300.0, Rev. 2.1 (1993)

# Miscellaneous

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

Cyanide, Total SM 4500-CN E-2016

non-Polar Extractable Material (TPH) EPA 1664A

Oil and Grease Total Recoverable EPA 1664A

Organic Carbon, Total SM 5310B-2014

 Silica, Dissolved
 EPA 200.7, Rev. 4.4 (1994)

 Specific Conductance
 EPA 120.1 (Rev. 1982)

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

 Surfactant (MBAS)
 SM 5540C-2011

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#### Miscellaneous

Turbidity SM 2130 B-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

**EPA 8270E** 

N-Nitrosodi-n-propylamine EPA 625.1

EPA 8270E

N-Nitrosodiphenylamine EPA 625.1

**EPA 8270E** 

SM 4500-NH3 C-2011

Nutrient

 Kjeldahl Nitrogen, Total
 SM 4500-NH3 C-2011

 Nitrate (as N)
 EPA 300.0, Rev. 2.1 (1993)

 Nitrite (as N)
 EPA 300.0, Rev. 2.1 (1993)

Orthophosphate (as P) EPA 300.0, Rev. 2.1 (1993)
Phosphorus, Total EPA 200.7, Rev. 4.4 (1994)

Phthalate Esters

Ammonia (as N)

Benzyl butyl phthalate EPA 625.1

Serial No.: 66497





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#### **Phthalate Esters**

Benzyl butyl phthalate	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 608.3
Aroclor 1221 (PCB-1221)	EPA 608.3
Aroclor 1232 (PCB-1232)	EPA 608.3
Aroclor 1242 (PCB-1242)	EPA 608.3
Aroclor 1254 (PCB-1254)	EPA 608.3
Aroclor 1260 (PCB-1260)	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

Serial No.: 66497





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#### **Polynuclear Aromatics**

•	
Benzo(a)anthracene	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
Chrysene	EPA 625.1
	EPA 8270E
Dibenzo(a,h)anthracene	EPA 625.1
	EPA 8270E
Fluoranthene	EPA 625.1
	EPA 8270E
Fluorene	EPA 625.1
	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

# **Priority Pollutant Phenols**

2,4,5-Trichlorophenol EPA 625.1

Serial No.: 66497





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#### **Priority Pollutant Phenols**

•	
2,4,5-Trichlorophenol	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-Methylphenol	EPA 625.1
	EPA 8270E
2-Nitrophenol	EPA 625.1
	EPA 8270E
3-Methylphenol	EPA 8270E
4-Chloro-3-methylphenol	EPA 625.1
	EPA 8270E
4-Methylphenol	EPA 625.1
	EPA 8270E
4-Nitrophenol	EPA 625.1
	EPA 8270E
Cresols, Total	EPA 625.1
	EPA 8270E

# Serial No.: 66497

Pentachlorophenol

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EPA 625.1





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#### **Priority Pollutant Phenols**

Pentachlorophenol EPA 8270E
Phenol EPA 625.1
EPA 8270E

#### Residue

Settleable Solids SM 2540 F-2015
Solids, Total SM 2540 B-2015
Solids, Total Dissolved SM 2540 C-2015
Solids, Total Suspended SM 2540 D-2015

# **Semi-Volatile Organics**

1,2-Dichlorobenzene, Semi-volatile EPA 8270E 1,3-Dichlorobenzene, Semi-volatile EPA 8270E EPA 8270E 1.4-Dichlorobenzene. Semi-volatile 2-Methylnaphthalene **EPA 8270E** Benzoic Acid **EPA 8270E** Benzyl alcohol **EPA 8270E** Dibenzofuran **EPA 8270E** n-Decane EPA 625.1 n-Octadecane EPA 625.1

#### **Volatile Aromatics**

1,2,4-Trichlorobenzene, VolatileEPA 8260D1,2,4-TrimethylbenzeneEPA 8260D1,2-DichlorobenzeneEPA 8260D1,3,5-TrimethylbenzeneEPA 8260D1,3-DichlorobenzeneEPA 8260D1,4-DichlorobenzeneEPA 8260D2-ChlorotolueneEPA 8260D

Serial No.: 66497





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#### **Volatile Aromatics**

4-Chlorotoluene	EPA 8260D
Benzene	EPA 8260D
Bromobenzene	EPA 8260D
Chlorobenzene	EPA 8260D
Ethyl benzene	EPA 8260D
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-Trichloro-1,2,2-Trifluoroethane	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

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#### **Volatile Halocarbons**

1,2-Dibromo-3-chloropropane	EPA 8260D
1,2-Dibromoethane	EPA 8260D
1,2-Dichloroethane	EPA 8260D
1,2-Dichloropropane	EPA 8260D
1,3-Dichloropropane	EPA 8260D
2,2-Dichloropropane	EPA 8260D
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

Serial No.: 66497





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

NY Lab Id No: 11693

## CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. MICHAEL VERALDI LONG ISLAND ANALYTICAL LABORATORIES, INC 110 COLIN DRIVE HOLBROOK, NY 11741

> 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:

#### **Volatile Halocarbons**

Vinyl chloride EPA 8260D

#### **Volatiles Organics**

EPA 8260D 1.4-Dioxane **EPA 8260D** 2-Butanone (Methylethyl ketone) 2-Hexanone **EPA 8260D** 4-Methyl-2-Pentanone **EPA 8260D** Acetone **EPA 8260D** Carbon Disulfide **EPA 8260D** Methyl acetate **EPA 8260D** EPA 8260D Vinyl acetate

# **Sample Preparation Methods**

EPA 5030C

SM 4500-CN B-2016 and C-2016

EPA 200.2 EPA 3010A EPA 3510C

SM 4500-NH3 B-2011

SM 4500-N Org B-2011 or C-2011

Serial No.: 66497

TOTAL STREET



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Metals I

Lead, Total NIOSH 7300



Serial No.: 66501



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Acrylates		
Methyl methacrylate	EPA TO-15	
<b>Chlorinated Hydrocarbons</b>		
1,2,4-Trichlorobenzene	EPA TO-15	
Hexachlorobutadiene	EPA TO-15	

Metals III

Chromium, Total **NIOSH 7300** 

**Polynuclear Aromatics** 

Naphthalene EPA TO-15

**Purgeable Aromatics** 

1,2,4-Trimethylbenzene	EPA TO-15
1,2-Dichlorobenzene	EPA TO-15
1,3,5-Trimethylbenzene	EPA TO-15
1,3-Dichlorobenzene	EPA TO-15
1,4-Dichlorobenzene	EPA TO-15
Benzene	EPA TO-15
Chlorobenzene	EPA TO-15
Ethyl benzene	EPA TO-15
m/p-Xylenes	EPA TO-15
o-Xylene	EPA TO-15
Styrene	EPA TO-15
Toluene	EPA TO-15
Total Xylenes	EPA TO-15

**Purgeable Halocarbons** 

1,1,1-Trichloroethane EPA TO-15 1,1,2,2-Tetrachloroethane EPA TO-15

Serial No.: 66500





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#### **Purgeable Halocarbons**

1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA TO-15
1,1,2-Trichloroethane	EPA TO-15
1,1-Dichloroethane	EPA TO-15
1,1-Dichloroethene	EPA TO-15
1,2-Dibromoethane	EPA TO-15
1,2-Dichloroethane	EPA TO-15
1,2-Dichloropropane	EPA TO-15
Bromodichloromethane	EPA TO-15
Bromoform	EPA TO-15
Bromomethane	EPA TO-15
Carbon tetrachloride	EPA TO-15
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Dibromochloromethane	EPA TO-15
Dichlorodifluoromethane	EPA TO-15
Methylene chloride	EPA TO-15
Tetrachloroethene	EPA TO-15
trans-1,2-Dichloroethene	EPA TO-15
trans-1,3-Dichloropropene	EPA TO-15
Trichloroethene	EPA TO-15
Trichlorofluoromethane	EPA TO-15
Vinyl chloride	EPA TO-15

# **Volatile Chlorinated Organics**

Benzyl chloride EPA TO-15

Serial No.: 66500





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# **Volatile Organics**

1,2-Dichlorotetrafluoroethane	EPA TO-15	
1,3-Butadiene	EPA TO-15	
1,4-Dioxane	EPA TO-15	
2-Butanone (Methylethyl ketone)	EPA TO-15	
4-Methyl-2-Pentanone	EPA TO-15	
Acetone	EPA TO-15	
Acrolein (Propenal)	EPA TO-15	
Carbon Disulfide	EPA TO-15	
Cyclohexane	EPA TO-15	
Hexane	EPA TO-15	
Isopropanol	EPA TO-15	
Methyl tert-butyl ether	EPA TO-15	
n-Heptane	EPA TO-15	
Vinyl acetate	EPA TO-15	

Serial No.: 66500

