

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



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

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MS. PHYLLIS SHILLER
PHOENIX ENVIRONMENTAL LABS
587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040

NY Lab Id No: 11301

*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:*

Bacteriology

Coliform, Total / E. coli (Qualitative)	SM 21, 23 9222A,B,C SM 20, 21-23 9223B (-04) (Colilert)
E. coli (Enumeration)	SM 21, 23 9222A,B,C SM 20, 21-23 9223B (-04) (Colilert)
Enterococci	SM 23 9230D (Enterolert)
Heterotrophic Plate Count	SM 20, 21-23 9215B (-04)

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

Bromochloroacetic acid	EPA 552.2
Dibromoacetic acid	EPA 552.2
Dichloroacetic acid	EPA 552.2
Monobromoacetic acid	EPA 552.2
Monochloroacetic acid	EPA 552.2
Trichloroacetic acid	EPA 552.2

Fuel Additives

Methyl tert-butyl ether	EPA 524.2
Naphthalene	EPA 524.2

Metals I

Arsenic, Total	SM 19, 21-23 3113B (-04,-10)
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Serial No.: 68719

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Metals I

Arsenic, Total	EPA 200.9 Rev. 2.2 EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.5 EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.5 SM 19, 21-23 3113B (-04,-10) EPA 200.9 Rev. 2.2 EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	SM 19, 21-23 3113B (-04,-10) EPA 200.9 Rev. 2.2 EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4

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Metals II

Aluminum, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Antimony, Total	SM 19, 21-23 3113B (-04,-10) EPA 200.9 Rev. 2.2 EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Molybdenum, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Thallium, Total	SM 19, 21-23 3113B (-04,-10) EPA 200.9 Rev. 2.2 EPA 200.8 Rev. 5.4
Vanadium, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4

Metals III

Boron, Total	EPA 200.7 Rev. 4.4
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
Uranium (Mass)	EPA 200.8 Rev. 5.4

Methylcarbamate Pesticides

3-Hydroxy Carbofuran	EPA 531.2
Aldicarb	EPA 531.2

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Methylcarbamate Pesticides

Aldicarb Sulfone	EPA 531.2
Aldicarb Sulfoxide	EPA 531.2
Carbaryl	EPA 531.2
Carbofuran	EPA 531.2
Methomyl	EPA 531.2
Oxamyl	EPA 531.2

Microextractables

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

Miscellaneous

1,4-Dioxane	EPA 522
Benzo(a)pyrene	EPA 525.3
Bis(2-ethylhexyl) phthalate	EPA 525.3
Di (2-ethylhexyl) adipate	EPA 525.3
Diquat	EPA 549.2
Glyphosate	EPA 547
Hexachlorobenzene	EPA 525.3
Hexachlorocyclopentadiene	EPA 525.3
Odor	SM 21-23 2150 B (-97)
Organic Carbon, Dissolved	SM 21-23 5310B (-00)
Organic Carbon, Total	SM 21-23 5310B (-00)
Surfactant (MBAS)	SM 21-23 5540C (-00)
Turbidity	SM 21-23 2130 B (-01)
UV 254	SM 21-23 5910B (-00,-11)



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Non-Metals

Alkalinity	SM 21-23 2320B (-97)
Calcium Hardness	EPA 200.7 Rev. 4.4 SM 18-22 2340B (-97)
Chloride	EPA 300.0 Rev. 2.1 SM 21-22 4500-Cl- E (-97)
Color	SM 21-23 2120B (-01)
Cyanide	EPA 335.4 Rev. 1.0
Fluoride, Total	EPA 300.0 Rev. 2.1 SM 21-23 4500-F C (-97)
Nitrate (as N)	EPA 353.2 Rev. 2.0 EPA 300.0 Rev. 2.1
Nitrite (as N)	EPA 353.2 Rev. 2.0 EPA 300.0 Rev. 2.1
Orthophosphate (as P)	SM 19, 21-23 4500-P F (-99) SM 19, 21-23 4500-P E (-99)
Solids, Total Dissolved	SM 21-23 2540C (-97)
Specific Conductance	SM 21-23 2510B (-97)
Sulfate (as SO ₄)	EPA 300.0 Rev. 2.1 SM 19, 21-23 4500-SO ₄ D (-97)

Organohalide Pesticides

Alachlor	EPA 525.3
Aldrin	EPA 525.3
Atrazine	EPA 525.3
Butachlor	EPA 525.3
Chlordane Total	EPA 525.3
Dieldrin	EPA 525.3
Endrin	EPA 525.3

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Organohalide Pesticides

Heptachlor	EPA 525.3
Heptachlor epoxide	EPA 525.3
Lindane	EPA 525.3
Methoxychlor	EPA 525.3
Metolachlor	EPA 525.3
Metribuzin	EPA 525.3
Propachlor	EPA 525.3
Simazine	EPA 525.3
Toxaphene	EPA 525.3

Polychlorinated Biphenyls

PCB Screen	EPA 508
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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



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Volatile Aromatics

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
n-Propylbenzene	EPA 524.2
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

Volatile 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

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Volatile Halocarbons

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
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



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Acrylates

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

Amines

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



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All approved analytes are listed below:*

Bacteriology

Coliform, Fecal	SM 9222D-2015 Colilert-18
Coliform, Total	SM 9222B-2015
E. coli (Enumeration)	m-Colibblue24 Colilert-24 SM 9223B-2016 Colilert-18
Enterococci	SM 9230D-2013 (Enterolert)
Heterotrophic Plate Count	SM 18-21 9215B

Benzidines

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

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Chlorinated Hydrocarbon Pesticides

alpha-BHC	EPA 608.3
alpha-Chlordane	EPA 8081B
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
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
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
	EPA 608.3
Heptachlor epoxide	EPA 8081B
	EPA 608.3
Lindane	EPA 8081B



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Chlorinated Hydrocarbon Pesticides

Lindane	EPA 608.3
Methoxychlor	EPA 8081B EPA 608.3
PCNB	EPA 8270D EPA 8270E
Toxaphene	EPA 8081B EPA 608.3

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260D EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D EPA 8270E
1,2,4-Trichlorobenzene	EPA 625.1 EPA 8270D EPA 8270E
2-Chloronaphthalene	EPA 625.1 EPA 8270D EPA 8270E
Hexachlorobenzene	EPA 8081B EPA 625.1 EPA 8270D EPA 8270E
Hexachlorobutadiene	EPA 625.1 EPA 8270D EPA 8270E
Hexachlorocyclopentadiene	EPA 625.1 EPA 8270D



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Chlorinated Hydrocarbons

Hexachlorocyclopentadiene	EPA 8270E
Hexachloroethane	EPA 625.1
	EPA 8270D
	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
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dichloroprop	EPA 8151A
Dinoseb	EPA 8151A
Pentachlorophenol	EPA 8151A

Demand

Biochemical Oxygen Demand	SM 5210B-2016
Carbonaceous BOD	SM 5210B-2016
Chemical Oxygen Demand	SM 5220D-2011

Fuel Oxygenates

Di-isopropyl ether	EPA 8260D
	EPA 8260C
Ethanol	EPA 8260D
	EPA 8260C
	EPA 8015D
Methyl tert-butyl ether	EPA 8260D
	EPA 8260C

Serial No.: 69432

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



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Revised June 21, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MS. PHYLLIS SHILLER
PHOENIX ENVIRONMENTAL LABS
587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040

NY Lab Id No: 11301

*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:*

Fuel Oxygenates

Methyl tert-butyl ether	EPA 624.1
tert-amyl alcohol	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 8270D EPA 8270E
4-Bromophenylphenyl ether	EPA 625.1 EPA 8270D EPA 8270E
4-Chlorophenylphenyl ether	EPA 625.1 EPA 8270D EPA 8270E
Bis(2-chloroethoxy)methane	EPA 625.1 EPA 8270D EPA 8270E
Bis(2-chloroethyl)ether	EPA 625.1 EPA 8270D EPA 8270E



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Low Level Halocarbons

1,2,3-Trichloropropane, Low Level	EPA 8011
1,2-Dibromo-3-chloropropane, Low Le	EPA 8011
1,2-Dibromoethane, Low Level	EPA 8011

Low Level Polynuclear Aromatics

Acenaphthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Acenaphthylene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Anthracene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Chrysene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Fluorene Low Level	EPA 8270D SIM



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Low Level Polynuclear Aromatics

Fluorene Low Level	EPA 8270E SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Naphthalene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Phenanthrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM

Metals I

Barium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
Cadmium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
	EPA 6020B
	EPA 7010
	SM 3113B-2010
	EPA 200.8, Rev. 5.4 (1994)
Calcium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)



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Metals I

Chromium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
	EPA 6020B
Copper, Total	EPA 200.8, Rev. 5.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
Iron, Total	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Lead, Total	EPA 6010D
	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
Magnesium, Total	EPA 6020B
	EPA 7010
	SM 3113B-2010
	EPA 200.8, Rev. 5.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)



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Metals I

Manganese, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
	EPA 6020B
Nickel, Total	EPA 200.8, Rev. 5.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
Potassium, Total	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Silver, Total	EPA 6010D
	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)
Sodium, Total	EPA 6010C
	EPA 6010D
	EPA 6020B
	EPA 7010
	SM 3113B-2010
	EPA 200.8, Rev. 5.4 (1994)



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Metals I

Strontium, Total
EPA 200.7, Rev. 4.4 (1994)
EPA 6010C
EPA 6010D
EPA 200.8, Rev. 5.4 (1994)

Metals II

Aluminum, Total
EPA 200.7, Rev. 4.4 (1994)
EPA 6010C
EPA 6010D
EPA 6020B
EPA 200.8, Rev. 5.4 (1994)

Antimony, Total
EPA 200.7, Rev. 4.4 (1994)
EPA 6010C
EPA 6010D
EPA 6020B
EPA 7010
SM 3113B-2010
EPA 200.8, Rev. 5.4 (1994)

Arsenic, Total
EPA 200.7, Rev. 4.4 (1994)
EPA 6010C
EPA 6010D
EPA 6020B
EPA 7010
SM 3113B-2010
EPA 200.8, Rev. 5.4 (1994)

Beryllium, Total
EPA 200.7, Rev. 4.4 (1994)
EPA 6010C
EPA 6010D



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Metals II

Beryllium, Total	EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Chromium VI	EPA 7196A SM 3500-Cr B-2011
Mercury, Total	EPA 245.1, Rev. 3.0 (1994) EPA 7470A EPA 7473
Selenium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6010D EPA 6020B EPA 7010 SM 3113B-2010 EPA 200.8, Rev. 5.4 (1994)
Vanadium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Zinc, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)

Metals III

Cobalt, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
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Metals III

Cobalt, Total	EPA 6010D
	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
Gold, Total	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
Molybdenum, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
	EPA 6020B
Thallium, Total	EPA 200.8, Rev. 5.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
	EPA 6020B
	EPA 7010
	SM 3113B-2010
Tin, Total	EPA 200.9 Rev. 2.2 (1994)
	EPA 200.8, Rev. 5.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
	EPA 6020B
Titanium, Total	EPA 200.8, Rev. 5.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
	EPA 6020B

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Metals III

Titanium, Total EPA 200.8, Rev. 5.4 (1994)

Mineral

Acidity SM 2310B-2011
Alkalinity SM 2320B-2011
Calcium Hardness SM 2340B-2011
Chloride EPA 300.0, Rev. 2.1 (1993)
SM 4500-Cl- E-2011
Hardness, Total SM 2340B-2011
Sulfate (as SO₄) EPA 300.0, Rev. 2.1 (1993)
SM 4500-SO₄ D-2011

Miscellaneous

Boron, Total EPA 200.7, Rev. 4.4 (1994)
EPA 6010C
EPA 6010D
Bromide EPA 300.0, Rev. 2.1 (1993)
Color SM 2120B-2011
Cyanide, Total EPA 335.4, Rev. 1.0 (1993)
EPA 9012B
Formaldehyde EPA 8315A
non-Polar Extractable Material (TPH) EPA 1664A
Oil and Grease Total Recoverable EPA 1664A
EPA 1664B
EPA 9070A (Solvent:Hexane)
Organic Carbon, Total SM 5310B-2014
Phenols EPA 420.4, Rev. 1.0 (1993)
Specific Conductance SM 2510B-2011



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Miscellaneous

Sulfide (as S)	SM 4500-S2- D-2011
Surfactant (MBAS)	SM 5540C-2011
Turbidity	SM 2130 B-2011

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 625.1
	EPA 8270D
	EPA 8270E
2,6-Dinitrotoluene	EPA 625.1
	EPA 8270D
	EPA 8270E
Isophorone	EPA 625.1
	EPA 8270D
	EPA 8270E
Nitrobenzene	EPA 625.1
	EPA 8270D
	EPA 8270E

Nitrosoamines

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

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Nutrient

Ammonia (as N)	EPA 350.1, Rev. 2.0 (1993)
Kjeldahl Nitrogen, Total	EPA 351.1 (Rev. 1978)
Nitrate (as N)	EPA 353.2, Rev. 2.0 (1993) EPA 300.0, Rev. 2.1 (1993)
Nitrate-Nitrite (as N)	EPA 353.2, Rev. 2.0 (1993) EPA 300.0, Rev. 2.1 (1993)
Nitrite (as N)	EPA 353.2, Rev. 2.0 (1993) EPA 300.0, Rev. 2.1 (1993)
Orthophosphate (as P)	SM 4500-P E-2011 SM 4500-P F-2011 or G-2011
Phosphorus, Total	EPA 200.7, Rev. 4.4 (1994) SM 4500-P E-2011

Organophosphate Pesticides

Atrazine	EPA 8141B EPA 8270D EPA 8270E
Azinphos methyl	EPA 8141B
Diazinon	EPA 8141B
Disulfoton	EPA 8141B
Malathion	EPA 8141B
Parathion ethyl	EPA 8270D EPA 8270E
Simazine	EPA 8141B

Petroleum Hydrocarbons

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

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Phthalate Esters

Benzyl butyl phthalate	EPA 625.1
	EPA 8270D
	EPA 8270E
Bis(2-ethylhexyl) phthalate	EPA 625.1
	EPA 8270D
	EPA 8270E
Diethyl phthalate	EPA 625.1
	EPA 8270D
	EPA 8270E
Dimethyl phthalate	EPA 625.1
	EPA 8270D
	EPA 8270E
Di-n-butyl phthalate	EPA 625.1
	EPA 8270D
	EPA 8270E
Di-n-octyl phthalate	EPA 625.1
	EPA 8270D
	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

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All approved analytes are listed below:*

Polychlorinated Biphenyls

Aroclor 1248 (PCB-1248)	EPA 8082A EPA 608.3
Aroclor 1254 (PCB-1254)	EPA 8082A EPA 608.3
Aroclor 1260 (PCB-1260)	EPA 8082A EPA 608.3
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A
PCB 101	EPA 8082A
PCB 105	EPA 8082A
PCB 118	EPA 8082A
PCB 128	EPA 8082A
PCB 138	EPA 8082A
PCB 153	EPA 8082A
PCB 170	EPA 8082A
PCB 18	EPA 8082A
PCB 180	EPA 8082A
PCB 183	EPA 8082A
PCB 184	EPA 8082A
PCB 187	EPA 8082A
PCB 195	EPA 8082A
PCB 206	EPA 8082A
PCB 209	EPA 8082A
PCB 28	EPA 8082A
PCB 44	EPA 8082A
PCB 49	EPA 8082A
PCB 52	EPA 8082A



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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised June 21, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

*MS. PHYLLIS SHILLER
PHOENIX ENVIRONMENTAL LABS
587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040*

NY Lab Id No: 11301

*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:*

Polychlorinated Biphenyls

PCB 66	EPA 8082A
PCB 8	EPA 8082A
PCB 87	EPA 8082A
PCB Congeners, Total	EPA 8082A

Polynuclear Aromatics

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



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Polynuclear Aromatics

Benzo(k)fluoranthene	EPA 8270D
	EPA 8270E
Chrysene	EPA 625.1
	EPA 8270D
	EPA 8270E
Dibenzo(a,h)anthracene	EPA 625.1
	EPA 8270D
	EPA 8270E
Fluoranthene	EPA 625.1
	EPA 8270D
	EPA 8270E
Fluorene	EPA 625.1
	EPA 8270D
	EPA 8270E
Indeno(1,2,3-cd)pyrene	EPA 625.1
	EPA 8270D
	EPA 8270E
Naphthalene	EPA 625.1
	EPA 8270D
	EPA 8270E
Phenanthrene	EPA 625.1
	EPA 8270D
	EPA 8270E
Pyrene	EPA 625.1
	EPA 8270D
	EPA 8270E



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Priority Pollutant Phenols

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



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Priority Pollutant Phenols

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

Residue

Settleable Solids	SM 2540 F-2015
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Residue

Solids, Total	SM 2540 B-2015
Solids, Total Dissolved	SM 2540 C-2015
Solids, Total Suspended	SM 2540 D-2015
Solids, Volatile	SM 2540 E-2015

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270D EPA 8270E
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D EPA 8270E
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D EPA 8270E
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D EPA 8270E
2-Methylnaphthalene	EPA 625.1 EPA 8270D EPA 8270E
Acetophenone	EPA 8270D EPA 8270E
alpha-Terpineol	EPA 625.1
Benzaldehyde	EPA 8270D EPA 8270E
Benzoic Acid	EPA 8270D EPA 8270E
Benzyl alcohol	EPA 8270D EPA 8270E
Caprolactam	EPA 8270D EPA 8270E



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Semi-Volatile Organics

Dibenzofuran EPA 8270D
EPA 8270E

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile EPA 8260D
EPA 8260C

1,2,4-Trimethylbenzene EPA 8260D
EPA 8260C

1,2-Dichlorobenzene EPA 8260D
EPA 8260C

1,3,5-Trimethylbenzene EPA 8260D
EPA 8260C

1,3-Dichlorobenzene EPA 8260D
EPA 8260C

EPA 624.1

1,4-Dichlorobenzene EPA 8260D
EPA 8260C

EPA 624.1

2-Chlorotoluene EPA 8260D
EPA 8260C

4-Chlorotoluene EPA 8260D
EPA 8260C

Benzene EPA 8260D
EPA 8260C

EPA 624.1

Bromobenzene EPA 8260D
EPA 8260C

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Volatile Aromatics

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

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Volatile Aromatics

Styrene	EPA 624.1
tert-Butylbenzene	EPA 8260D EPA 8260C
Toluene	EPA 8260D EPA 8260C EPA 624.1
Total Xylenes	EPA 8260D EPA 8260C EPA 624.1

Volatile Halocarbons

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



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Volatile Halocarbons

1,1-Dichloroethene	EPA 8260D EPA 8260C EPA 624.1
1,1-Dichloropropene	EPA 8260D EPA 8260C
1,2,3-Trichloropropane	EPA 8260D EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260D EPA 8260C
1,2-Dibromoethane	EPA 8260D EPA 8260C
1,2-Dichloroethane	EPA 8260D EPA 8260C EPA 624.1
1,2-Dichloropropane	EPA 8260D EPA 8260C EPA 624.1
1,3-Dichloropropane	EPA 8260D EPA 8260C
2,2-Dichloropropane	EPA 8260D EPA 8260C
2-Chloroethylvinyl ether	EPA 8260D EPA 8260C EPA 624.1
Bromochloromethane	EPA 8260D EPA 8260C
Bromodichloromethane	EPA 8260D



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Volatile Halocarbons

Bromodichloromethane	EPA 8260C EPA 624.1
Bromoform	EPA 8260D EPA 8260C EPA 624.1
Bromomethane	EPA 8260D EPA 8260C EPA 624.1
Carbon tetrachloride	EPA 8260D EPA 8260C EPA 624.1
Chloroethane	EPA 8260D EPA 8260C EPA 624.1
Chloroform	EPA 8260D EPA 8260C EPA 624.1
Chloromethane	EPA 8260D EPA 8260C EPA 624.1
cis-1,2-Dichloroethene	EPA 8260D EPA 8260C EPA 624.1
cis-1,3-Dichloropropene	EPA 8260D EPA 8260C EPA 624.1
Dibromochloromethane	EPA 8260D



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Volatile Halocarbons

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



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Volatile Halocarbons

Trichloroethene	EPA 624.1
Trichlorofluoromethane	EPA 8260D
	EPA 8260C
	EPA 624.1
Vinyl chloride	EPA 8260D
	EPA 8260C
	EPA 624.1

Volatiles Organics

1,4-Dioxane	EPA 8260D
	EPA 8260C
	EPA 8270D
	EPA 8270D SIM
	EPA 8270E
	EPA 8270E SIM
2-Butanone (Methylethyl ketone)	EPA 8260D
	EPA 8260C
2-Hexanone	EPA 8260D
	EPA 8260C
2-Nitropropane	EPA 8260D
	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260D
	EPA 8260C
Acetone	EPA 8260D
	EPA 8260C
	EPA 624.1
Carbon Disulfide	EPA 8260D
	EPA 8260C



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Volatiles Organics

Cyclohexane	EPA 8260D EPA 8260C
Di-ethyl ether	EPA 8260D EPA 8260C
Ethylene Glycol	EPA 8015D
Isobutyl alcohol	EPA 8015D
Methyl acetate	EPA 8260D EPA 8260C
Methyl cyclohexane	EPA 8260D EPA 8260C
Propylene Glycol	EPA 8015D
Vinyl acetate	EPA 8260D EPA 8260C

Sample Preparation Methods

SM 4500-P B(5)-2011
EPA 5030C
SM 4500-CN B-2016 and C-2016
EPA 3010A
EPA 3005A
EPA 3510C
EPA 3520C
EPA 3020A
EPA 9010C
SM 4500-S2- B,C-2011

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All approved subcategories and/or analytes are listed below:*

Metals III

Uranium (Mass) EPA 6020B

Miscellaneous

Cyanide, Available SM 4500-CN G-2016

Nutrient

Organic Nitrogen (as N) TKN minus Ammonia (as N)



Serial No.: 68721

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587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040*

NY Lab Id No: 11301

*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:*

Acrylates

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

Amines

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

Benzidines

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

Characteristic Testing

Corrosivity (pH)	EPA 9045D
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Serial No.: 69433

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WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised June 21, 2024

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Characteristic Testing

Free Liquids	EPA 9095B
Ignitability	EPA 1010B
	EPA 1010A
Synthetic Precipitation Leaching Proc.	EPA 1312
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
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
	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



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Chlorinated Hydrocarbon Pesticides

Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Mirex	EPA 8081B
Pentachloronitrobenzene	EPA 8270D
	EPA 8270E
Simazine	EPA 8141B
Toxaphene	EPA 8081B

Chlorinated Hydrocarbons

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

Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
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Chlorophenoxy Acid Pesticides

2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
2,4-DB	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dichloroprop	EPA 8151A
Dinoseb	EPA 8151A
MCPA	EPA 8151A
MCPP	EPA 8151A
Pentachlorophenol	EPA 8151A

Haloethers

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

Low Level Polynuclear Aromatic Hydrocarbons

Acenaphthene Low Level	EPA 8270D SIM EPA 8270E SIM
Acenaphthylene Low Level	EPA 8270D SIM EPA 8270E SIM

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Low Level Polynuclear Aromatic Hydrocarbons

Anthracene Low Level	EPA 8270D SIM EPA 8270E SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM EPA 8270E SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM EPA 8270E SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM EPA 8270E SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM EPA 8270E SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM EPA 8270E SIM
Chrysene Low Level	EPA 8270D SIM EPA 8270E SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM EPA 8270E SIM
Fluoranthene Low Level	EPA 8270D SIM EPA 8270E SIM
Fluorene Low Level	EPA 8270D SIM EPA 8270E SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM EPA 8270E SIM
Naphthalene Low Level	EPA 8270D SIM EPA 8270E SIM
Phenanthrene Low Level	EPA 8270D SIM EPA 8270E SIM
Pyrene Low Level	EPA 8270D SIM



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Low Level Polynuclear Aromatic Hydrocarbons

Pyrene Low Level EPA 8270E SIM

Metals I

Barium, Total EPA 6010C

EPA 6010D

Cadmium, Total EPA 6010C

EPA 6010D

Calcium, Total EPA 6010C

EPA 6010D

Chromium, Total EPA 6010C

EPA 6010D

Copper, Total EPA 6010C

EPA 6010D

Iron, Total EPA 6010C

EPA 6010D

Lead, Total EPA 6010C

EPA 6010D

Magnesium, Total EPA 6010C

EPA 6010D

Manganese, Total EPA 6010C

EPA 6010D

Nickel, Total EPA 6010C

EPA 6010D

Potassium, Total EPA 6010C

EPA 6010D

Silver, Total EPA 6010C

EPA 6010D

Sodium, Total EPA 6010C



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Metals I

Sodium, Total	EPA 6010D
Strontium, Total	EPA 6010C EPA 6010D

Metals II

Aluminum, Total	EPA 6010C EPA 6010D
Antimony, Total	EPA 6010C EPA 6010D
Arsenic, Total	EPA 6010C EPA 6010D
Beryllium, Total	EPA 6010C EPA 6010D
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B EPA 7473
Selenium, Total	EPA 6010C EPA 6010D
Vanadium, Total	EPA 6010C EPA 6010D
Zinc, Total	EPA 6010C EPA 6010D

Metals III

Cobalt, Total	EPA 6010C EPA 6010D
Molybdenum, Total	EPA 6010C EPA 6010D

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Metals III

Thallium, Total	EPA 6010C
	EPA 6010D
Tin, Total	EPA 6010C
	EPA 6010D
Titanium, Total	EPA 6010C
	EPA 6010D

Minerals

Bromide	EPA 9056A
Chloride	EPA 9056A
Fluoride, Total	EPA 9056A
Sulfate (as SO ₄)	EPA 9056A

Miscellaneous

Boron, Total	EPA 6010C
	EPA 6010D
Cyanide, Total	EPA 9012B
Formaldehyde	EPA 8315A
Organic Carbon, Total	Lloyd Kahn Method
	EPA 9060A
Phenols	EPA 9066
Specific Conductance	EPA 9050A
Sulfide (as S)	EPA 9034

Nitroaromatics and Isophorone

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

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Nitroaromatics and Isophorone

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

Nitrosoamines

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

Nutrients

Nitrate (as N)	EPA 9056A
Nitrite (as N)	EPA 9056A

Organophosphate Pesticides

Azinphos methyl	EPA 8141B
Diazinon	EPA 8141B
Disulfoton	EPA 8141B
Malathion	EPA 8141B
Parathion ethyl	EPA 8270D
	EPA 8270E

Petroleum Hydrocarbons

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

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Petroleum Hydrocarbons

Oil and Grease Total Recoverable EPA 9071B (Solvent:Hexane)

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

EPA 8270E

Di-n-octyl phthalate EPA 8270D

EPA 8270E

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016) EPA 8082A

Aroclor 1016 (PCB-1016) in Oil EPA 8082A

Aroclor 1221 (PCB-1221) EPA 8082A

Aroclor 1221 (PCB-1221) in Oil EPA 8082A

Aroclor 1232 (PCB-1232) EPA 8082A

Aroclor 1232 (PCB-1232) in Oil EPA 8082A

Aroclor 1242 (PCB-1242) EPA 8082A

Aroclor 1242 (PCB-1242) in Oil EPA 8082A

Aroclor 1248 (PCB-1248) EPA 8082A

Aroclor 1248 (PCB-1248) in Oil EPA 8082A

Aroclor 1254 (PCB-1254) EPA 8082A

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Polychlorinated Biphenyls

Aroclor 1254 (PCB-1254) in Oil	EPA 8082A
Aroclor 1260 (PCB-1260)	EPA 8082A
Aroclor 1260 (PCB-1260) in Oil	EPA 8082A
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1262 (PCB-1262) in Oil	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A
Aroclor 1268 (PCB-1268) in Oil	EPA 8082A
PCB 101	EPA 8082A
PCB 105	EPA 8082A
PCB 118	EPA 8082A
PCB 128	EPA 8082A
PCB 138	EPA 8082A
PCB 153	EPA 8082A
PCB 170	EPA 8082A
PCB 18	EPA 8082A
PCB 180	EPA 8082A
PCB 183	EPA 8082A
PCB 184	EPA 8082A
PCB 187	EPA 8082A
PCB 195	EPA 8082A
PCB 206	EPA 8082A
PCB 209	EPA 8082A
PCB 28	EPA 8082A
PCB 44	EPA 8082A
PCB 49	EPA 8082A
PCB 52	EPA 8082A
PCB 66	EPA 8082A



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Polychlorinated Biphenyls

PCB 8	EPA 8082A
PCB 87	EPA 8082A
PCB Congeners, Total	EPA 8082A

Polynuclear Aromatic Hydrocarbons

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



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Polynuclear Aromatic Hydrocarbons

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

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270D
	EPA 8270E
2,4,5-Trichlorophenol	EPA 8270D
	EPA 8270E
2,4,6-Trichlorophenol	EPA 8270D
	EPA 8270E
2,4-Dichlorophenol	EPA 8270D
	EPA 8270E
2,4-Dimethylphenol	EPA 8270D
	EPA 8270E
2,4-Dinitrophenol	EPA 8270D
	EPA 8270E
2,6-Dichlorophenol	EPA 8270D
	EPA 8270E
2-Chlorophenol	EPA 8270D
	EPA 8270E
2-Methyl-4,6-dinitrophenol	EPA 8270D



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MS. PHYLLIS SHILLER
PHOENIX ENVIRONMENTAL LABS
587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040

NY Lab Id No: 11301

*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:*

Priority Pollutant Phenols

2-Methyl-4,6-dinitrophenol	EPA 8270E
2-Methylphenol	EPA 8270D EPA 8270E
2-Nitrophenol	EPA 8270D EPA 8270E
3-Methylphenol	EPA 8270D EPA 8270E
4-Chloro-3-methylphenol	EPA 8270D EPA 8270E
4-Methylphenol	EPA 8270D EPA 8270E
4-Nitrophenol	EPA 8270D EPA 8270E
Pentachlorophenol	EPA 8270D EPA 8270E
Phenol	EPA 8270D EPA 8270E

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270D EPA 8270E
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D EPA 8270E
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D EPA 8270E
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D EPA 8270E
2-Methylnaphthalene	EPA 8270D

Serial No.: 69433

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised June 21, 2024

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Semi-Volatile Organics

2-Methylnaphthalene	EPA 8270E
Acetophenone	EPA 8270D
	EPA 8270E
Benzaldehyde	EPA 8270D
	EPA 8270E
Benzoic Acid	EPA 8270D
	EPA 8270E
Benzyl alcohol	EPA 8270D
	EPA 8270E
Caprolactam	EPA 8270D
	EPA 8270E
Dibenzofuran	EPA 8270D
	EPA 8270E

Volatile Aromatics

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

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Volatile Aromatics

2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260D
	EPA 8260C
Benzene	EPA 8260D
	EPA 8260C
Bromobenzene	EPA 8260D
	EPA 8260C
Chlorobenzene	EPA 8260D
	EPA 8260C
Ethyl benzene	EPA 8260D
	EPA 8260C
Isopropylbenzene	EPA 8260D
	EPA 8260C
m/p-Xylenes	EPA 8260D
	EPA 8260C
Naphthalene, Volatile	EPA 8260D
	EPA 8260C
n-Butylbenzene	EPA 8260D
	EPA 8260C
n-Propylbenzene	EPA 8260D
	EPA 8260C
o-Xylene	EPA 8260D
	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260D
	EPA 8260C
sec-Butylbenzene	EPA 8260D
	EPA 8260C



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Volatile Aromatics

Styrene	EPA 8260D
	EPA 8260C
tert-Butylbenzene	EPA 8260D
	EPA 8260C
Toluene	EPA 8260D
	EPA 8260C
Total Xylenes	EPA 8260D
	EPA 8260C

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260D
	EPA 8260C
1,1,1-Trichloroethane	EPA 8260D
	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260D
	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260D
	EPA 8260C
1,1,2-Trichloroethane	EPA 8260D
	EPA 8260C
1,1-Dichloroethane	EPA 8260D
	EPA 8260C
1,1-Dichloroethene	EPA 8260D
	EPA 8260C
1,1-Dichloropropene	EPA 8260D
	EPA 8260C
1,2,3-Trichloropropane	EPA 8260D
	EPA 8260C

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Volatile Halocarbons

1,2-Dibromo-3-chloropropane	EPA 8260D EPA 8260C
1,2-Dibromoethane	EPA 8260D EPA 8260C
1,2-Dichloroethane	EPA 8260D EPA 8260C
1,2-Dichloropropane	EPA 8260D EPA 8260C
1,3-Dichloropropane	EPA 8260D EPA 8260C
2,2-Dichloropropane	EPA 8260D EPA 8260C
Bromochloromethane	EPA 8260D EPA 8260C
Bromodichloromethane	EPA 8260D EPA 8260C
Bromoform	EPA 8260D EPA 8260C
Bromomethane	EPA 8260D EPA 8260C
Carbon tetrachloride	EPA 8260D EPA 8260C
Chloroethane	EPA 8260D EPA 8260C
Chloroform	EPA 8260D EPA 8260C
Chloromethane	EPA 8260D



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Volatile Halocarbons

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



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Volatile Halocarbons

Vinyl chloride EPA 8260D
 EPA 8260C

Volatile Organics

1,4-Dioxane EPA 8260D
 EPA 8260C
 EPA 8270D SIM
 EPA 8270E SIM

2-Butanone (Methylethyl ketone) EPA 8260D
 EPA 8260C

2-Hexanone EPA 8260D
 EPA 8260C

2-Nitropropane EPA 8260D
 EPA 8260C

4-Methyl-2-Pentanone EPA 8260D
 EPA 8260C

Acetone EPA 8260D
 EPA 8260C

Carbon Disulfide EPA 8260D
 EPA 8260C

Cyclohexane EPA 8260D
 EPA 8260C

Di-ethyl ether EPA 8260D
 EPA 8260C

Ethylene Glycol EPA 8260D
 EPA 8260C

Isobutyl alcohol EPA 8015D
 EPA 8015D



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Volatile Organics

Methyl acetate	EPA 8260D EPA 8260C
Methyl cyclohexane	EPA 8260D EPA 8260C
Methyl tert-butyl ether	EPA 8260D EPA 8260C
tert-butyl alcohol	EPA 8260D EPA 8260C
Tetrahydrofuran	EPA 8260D EPA 8260C
Vinyl acetate	EPA 8260D EPA 8260C

Sample Preparation Methods

EPA 5035A-L
EPA 5035A-H
EPA 3580A
EPA 9030B
EPA 3050B
EPA 3550C
EPA 3540C
EPA 3546
EPA 3545A
EPA 3051A
EPA 5021A
EPA 3060A
EPA 9010C

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Lead in Dust Wipes	EPA 6010C
	EPA 6010D
Lead in Paint	EPA 6010C
	EPA 6010D

Sample Preparation Methods

EPA 3050B
EPA 3051A



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Acrylates

Acrylonitrile	EPA TO-15
Methyl methacrylate	EPA TO-15

Chlorinated Hydrocarbons

1,2,4-Trichlorobenzene	EPA TO-15
Hexachlorobutadiene	EPA TO-15
Hexachloroethane	EPA TO-15

Metals I

Lead, Total	EPA 29 (6010)
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Polychlorinated Biphenyls

PCBs and Aroclors	EPA TO-10A
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Polynuclear Aromatics

Naphthalene	EPA TO-15
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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
2-Chlorotoluene	EPA TO-15
Benzene	EPA TO-15
Chlorobenzene	EPA TO-15
Ethyl benzene	EPA TO-15
Isopropylbenzene	EPA TO-15
m/p-Xylenes	EPA TO-15
o-Xylene	EPA TO-15



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Purgeable Aromatics

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
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-Dibromo-3-chloropropane	EPA TO-15
1,2-Dibromoethane	EPA TO-15
1,2-Dichloroethane	EPA TO-15
1,2-Dichloropropane	EPA TO-15
3-Chloropropene (Allyl chloride)	EPA TO-15
Bromodichloromethane	EPA TO-15
Bromoform	EPA TO-15
Bromomethane	EPA TO-15
Carbon tetrachloride	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
Dibromochloromethane	EPA TO-15
Dichlorodifluoromethane	EPA TO-15
Methylene chloride	EPA TO-15



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Purgeable Halocarbons

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 bromide	EPA TO-15
Vinyl chloride	EPA TO-15

Volatile Chlorinated Organics

Benzyl chloride	EPA TO-15
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Volatile Organics

1,2-Dichlorotetrafluoroethane	EPA TO-15
1,3-Butadiene	EPA TO-15
1,4-Dioxane	EPA TO-15
2,2,4-Trimethylpentane	EPA TO-15
2-Butanone (Methylethyl ketone)	EPA TO-15
4-Methyl-2-Pentanone	EPA TO-15
Acetone	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
tert-butyl alcohol	EPA TO-15



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