

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. LAUREL STODDARD**  
**ESS LABORATORY - DIV OF THIELSCH ENGINEER**  
**185 FRANCES AVENUE**  
**CRANSTON, RI 02910**

**NY Lab Id No: 11313**

*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:*

**Fuel Additives**

Methyl tert-butyl ether	EPA 524.2
Naphthalene	EPA 524.2

**Microextractables**

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

**Trihalomethanes**

Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	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



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**Volatile Aromatics**

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
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



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**Volatile Halocarbons**

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**

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 8270E
Carbazole	EPA 8270D
	EPA 8270E
Pyridine	EPA 625.1
	EPA 8270D
	EPA 8270E

**Benzidines**

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

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**Benzidines**

Benzidine	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
	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



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**Chlorinated Hydrocarbon Pesticides**

Endosulfan sulfate	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 EPA 608.3
Methoxychlor	EPA 8081B EPA 608.3
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

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**Chlorinated Hydrocarbons**

2-Chloronaphthalene	EPA 8270E
Hexachlorobenzene	EPA 625.1 EPA 8270D EPA 8270E
Hexachlorobutadiene	EPA 625.1 EPA 8270D
Hexachlorocyclopentadiene	EPA 625.1 EPA 8270D 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

**Demand**

Biochemical Oxygen Demand	SM 5210B-2016
Chemical Oxygen Demand	EPA 410.4, Rev. 2.0 (1993)

**Dissolved Gases**

Ethane	RSK-175
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**Dissolved Gases**

Ethene (Ethylene)	RSK-175
Methane	RSK-175

**Fuel Oxygenates**

Methyl tert-butyl ether	EPA 8260C
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**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

**Low Level Halocarbons**

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
Acenaphthylene Low Level	EPA 8270D SIM

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**Low Level Polynuclear Aromatics**

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



**Metals I**

Barium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Cadmium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Calcium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Chromium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A SM 3500-Cr B-2011

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**Metals I**

Copper, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Iron, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Lead, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Magnesium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Manganese, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Nickel, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Potassium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Silver, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Sodium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Strontium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C

**Metals II**

Aluminum, Total	EPA 200.7, Rev. 4.4 (1994)
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**Metals II**

Aluminum, Total	EPA 6010C
Antimony, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Arsenic, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A EPA 7010 SM 3113B-2010
Beryllium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Chromium VI	EPA 7196A
Mercury, Total	EPA 245.1, Rev. 3.0 (1994) EPA 7470A
Selenium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A EPA 7010 SM 3113B-2010
Vanadium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Zinc, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A

**Metals III**

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

Cobalt, Total	EPA 6010C EPA 6020A
Molybdenum, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Thallium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Tin, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Titanium, Total	EPA 6010C

**Mineral**

Alkalinity	SM 2320B-2011
Chloride	EPA 300.0, Rev. 2.1 (1993) SM 4500-Cl- E-2011 EPA 9056A
Fluoride, Total	EPA 300.0, Rev. 2.1 (1993) EPA 9056A
Sulfate (as SO <sub>4</sub> )	EPA 300.0, Rev. 2.1 (1993) EPA 9056A

**Miscellaneous**

Boron, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Cyanide, Total	EPA 9014 SM 4500-CN E-2016
Oil and Grease Total Recoverable	EPA 1664A

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**Miscellaneous**

Organic Carbon, Total	EPA 9060A
Specific Conductance	SM 2510B-2011 EPA 9050A
Sulfide (as S)	SM 4500-S2- D-2011
Turbidity	EPA 180.1, Rev. 2.0 (1993)

**Nitroaromatics and Isophorone**

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

**Nitrosoamines**

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

**Nutrient**

Ammonia (as N)	EPA 350.1, Rev. 2.0 (1993)
Kjeldahl Nitrogen, Total	EPA 351.2, Rev. 2.0 (1993)
Nitrate (as N)	EPA 353.2, Rev. 2.0 (1993)
Nitrate-Nitrite (as N)	EPA 353.2, Rev. 2.0 (1993)

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**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

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

**MS. LAUREL STODDARD**  
**ESS LABORATORY - DIV OF THIELSCH ENGINEER**  
**185 FRANCES AVENUE**  
**CRANSTON, RI 02910**

**NY Lab Id No: 11313**

*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:*

**Nutrient**

Nitrite (as N)	EPA 353.2, Rev. 2.0 (1993)
Orthophosphate (as P)	EPA 365.1, Rev. 2.0 (1993)
Phosphorus, Total	EPA 365.1, Rev. 2.0 (1993)

**Organophosphate Pesticides**

Atrazine	EPA 8270D
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**Petroleum Hydrocarbons**

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

**Phthalate Esters**

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

**Polychlorinated Biphenyls**

Aroclor 1016 (PCB-1016)	EPA 8082A EPA 608.3
Aroclor 1221 (PCB-1221)	EPA 8082A

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**Polychlorinated Biphenyls**

Aroclor 1221 (PCB-1221)	EPA 608.3
Aroclor 1232 (PCB-1232)	EPA 8082A EPA 608.3
Aroclor 1242 (PCB-1242)	EPA 8082A EPA 608.3
Aroclor 1248 (PCB-1248)	EPA 8082A EPA 608.3
Aroclor 1254 (PCB-1254)	EPA 8082A EPA 608.3
Aroclor 1260 (PCB-1260)	EPA 8082A EPA 608.3
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A

**Polynuclear Aromatics**

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

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**Polynuclear Aromatics**

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

**Priority Pollutant Phenols**

2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 625.1 EPA 8270D
2,4,6-Trichlorophenol	EPA 625.1 EPA 8270D
2,4-Dichlorophenol	EPA 625.1 EPA 8270D

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**Priority Pollutant Phenols**

2,4-Dimethylphenol	EPA 625.1 EPA 8270D
2,4-Dinitrophenol	EPA 625.1 EPA 8270D
2-Chlorophenol	EPA 625.1 EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 625.1 EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 625.1 EPA 8270D
4-Chloro-3-methylphenol	EPA 625.1 EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 625.1 EPA 8270D
Pentachlorophenol	EPA 625.1 EPA 8270D
Phenol	EPA 625.1 EPA 8270D

**Residue**

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

**Semi-Volatile Organics**

1,1'-Biphenyl	EPA 8270D
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**Semi-Volatile Organics**

1,1'-Biphenyl	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 EPA 8270E
Acetophenone	EPA 8270D EPA 8270E
Benzaldehyde	EPA 8270D EPA 8270E
Benzoic Acid	EPA 8270E
Benzyl alcohol	EPA 8270E
Caprolactam	EPA 8270D EPA 8270E
Dibenzofuran	EPA 8270D EPA 8270E

**Volatile Aromatics**

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

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**Volatile Aromatics**

1,4-Dichlorobenzene	EPA 8260C EPA 624.1
Benzene	EPA 8260C EPA 624.1
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C EPA 624.1
Ethyl benzene	EPA 8260C EPA 624.1
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
Naphthalene, Volatile	EPA 8260C
o-Xylene	EPA 8260C
Styrene	EPA 8260C EPA 624.1
Toluene	EPA 8260C EPA 624.1
Total Xylenes	EPA 8260C EPA 624.1

**Volatile Halocarbons**

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

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**Volatile Halocarbons**

1,1,2-Trichloroethane	EPA 624.1
1,1-Dichloroethane	EPA 8260C
	EPA 624.1
1,1-Dichloroethene	EPA 8260C
	EPA 624.1
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
	EPA 624.1
1,2-Dichloropropane	EPA 8260C
	EPA 624.1
2-Chloroethylvinyl ether	EPA 8260C
	EPA 624.1
Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 8260C
	EPA 624.1
Bromoform	EPA 8260C
	EPA 624.1
Bromomethane	EPA 8260C
	EPA 624.1
Carbon tetrachloride	EPA 8260C
	EPA 624.1
Chloroethane	EPA 8260C
	EPA 624.1
Chloroform	EPA 8260C
	EPA 624.1



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**Volatile Halocarbons**

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

**Volatiles Organics**

1,4-Dioxane	EPA 8260D
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**Volatiles Organics**

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

**Sample Preparation Methods**

EPA 5030C
SM 4500-CN B-2016 and C-2016
EPA 3005A
EPA 3510C
EPA 3520C
EPA 9010C

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**Acrylates**

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

**Amines**

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
Ignitability	EPA 1010A
Synthetic Precipitation Leaching Proc.	EPA 1312

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**Characteristic Testing**

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
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B



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**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
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

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**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

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

**MS. LAUREL STODDARD**  
**ESS LABORATORY - DIV OF THIELSCH ENGINEER**  
**185 FRANCES AVENUE**  
**CRANSTON, RI 02910**

**NY Lab Id No: 11313**

*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:*

**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
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



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**Low Level Polynuclear Aromatic Hydrocarbons**

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 EPA 8270E SIM

**Metals I**

Barium, Total	EPA 6010C
Cadmium, Total	EPA 6010C
Calcium, Total	EPA 6010C
Chromium, Total	EPA 6010C
Copper, Total	EPA 6010C
Iron, Total	EPA 6010C
Lead, Total	EPA 6010C EPA 6020A
Magnesium, Total	EPA 6010C
Manganese, Total	EPA 6010C

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**Metals I**

Nickel, Total	EPA 6010C
Potassium, Total	EPA 6010C
Silver, Total	EPA 6010C
Sodium, Total	EPA 6010C
Strontium, Total	EPA 6010C

**Metals II**

Aluminum, Total	EPA 6010C
	EPA 6020A
Antimony, Total	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 6010C
	EPA 6020A
	EPA 7010
Beryllium, Total	EPA 6010C
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010C
	EPA 6020A
	EPA 7010
Vanadium, Total	EPA 6010C
Zinc, Total	EPA 6010C

**Metals III**

Cobalt, Total	EPA 6010C
Molybdenum, Total	EPA 6010C
Thallium, Total	EPA 6010C
	EPA 6020A

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**Metals III**

Tin, Total	EPA 6010C
Titanium, Total	EPA 6010C

**Miscellaneous**

Boron, Total	EPA 6010C
Cyanide, Total	EPA 9014
Specific Conductance	EPA 9050A

**Nitroaromatics and Isophorone**

2,4-Dinitrotoluene	EPA 8270D	NEW YORK STATE
	EPA 8270E	
2,6-Dinitrotoluene	EPA 8270D	Department of Health
	EPA 8270E	
Isophorone	EPA 8270D	
	EPA 8270E	
Nitrobenzene	EPA 8270D	
	EPA 8270E	
Pyridine	EPA 8270D	
	EPA 8270E	

**Nitrosoamines**

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

**Petroleum Hydrocarbons**

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

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**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 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
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A

**Polynuclear Aromatic Hydrocarbons**

Acenaphthene	EPA 8270D EPA 8270E
Acenaphthylene	EPA 8270D

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**Polynuclear Aromatic Hydrocarbons**

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



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**Polynuclear Aromatic Hydrocarbons**

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 8270E  
2-Chlorophenol EPA 8270D  
EPA 8270E  
2-Methyl-4,6-dinitrophenol EPA 8270D  
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

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**Priority Pollutant Phenols**

4-Chloro-3-methylphenol	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 EPA 8270E
Acetophenone	EPA 8270D EPA 8270E
Benzaldehyde	EPA 8270D EPA 8270E
Benzoic Acid	EPA 8270D EPA 8270E
Benzyl alcohol	EPA 8270D



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**Semi-Volatile Organics**

Benzyl alcohol	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 8260C
2-Chlorotoluene	EPA 8260D
	EPA 8260C
4-Chlorotoluene	EPA 8260D
	EPA 8260C
Benzene	EPA 8260D
	EPA 8260C
Bromobenzene	EPA 8260D
	EPA 8260C
Chlorobenzene	EPA 8260D
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**Volatile Aromatics**

Ethyl benzene	EPA 8260D
	EPA 8260C
Isopropylbenzene	EPA 8260D
	EPA 8260C
m/p-Xylenes	EPA 8260D
Naphthalene, Volatile	EPA 8260D
	EPA 8260C
n-Butylbenzene	EPA 8260D
	EPA 8260C
n-Propylbenzene	EPA 8260D
	EPA 8260C
o-Xylene	EPA 8260D
sec-Butylbenzene	EPA 8260D
	EPA 8260C
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

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**Volatile Halocarbons**

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
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
2-Chloroethylvinyl ether	EPA 8260D



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**Volatile Halocarbons**

2-Chloroethylvinyl ether	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
	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

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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. LAUREL STODDARD**  
**ESS LABORATORY - DIV OF THIELSCH ENGINEER**  
**185 FRANCES AVENUE**  
**CRANSTON, RI 02910**

**NY Lab Id No: 11313**

*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:*

**Volatile Halocarbons**

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

**Volatile Organics**

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

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**Volatile Organics**

Carbon Disulfide	EPA 8260D
	EPA 8260C
Cyclohexane	EPA 8260D
	EPA 8260C
Methyl acetate	EPA 8260D
	EPA 8260C
Methyl cyclohexane	EPA 8260D
	EPA 8260C
Methyl tert-butyl ether	EPA 8260D
	EPA 8260C
Vinyl acetate	EPA 8260D
	EPA 8260C

**Sample Preparation Methods**

EPA 5035A-L  
EPA 5035A-H  
EPA 3005A  
EPA 3050B  
EPA 3540C  
EPA 3546  
EPA 3060A



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