

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2019  
Issued April 01, 2018

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

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

MS. MAYA MURSHAK  
MERIT LABORATORIES, INC.  
2680 EAST LANSING DRIVE  
EAST LANSING, MI 48823

NY Lab Id No: 11814

is hereby APPROVED as an Environmental Laboratory in conformance with the  
National Environmental Laboratory Accreditation Conference Standards (2003) for the category  
**ENVIRONMENTAL ANALYSES POTABLE WATER**  
All approved 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
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.8 Rev. 5.4

**Metals II**

Antimony, Total	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4

**Non-Metals**

Chloride	EPA 300.0 Rev. 2.1
Cyanide	EPA 335.4 Rev. 1.0
Fluoride, Total	EPA 300.0 Rev. 2.1
Sulfate (as SO <sub>4</sub> )	EPA 300.0 Rev. 2.1

**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
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
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ENVIRONMENTAL ANALYSES POTABLE WATER  
All approved analytes are listed below:*

**Volatile Halocarbons**

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
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

**Volatile Halocarbons**

Vinyl chloride	EPA 524.2
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**Acrylates**

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

**Amines**

2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Pyridine	EPA 8270D

**Benzidines**

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

**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

**Chlorinated Hydrocarbon Pesticides**

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 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 625.1
	EPA 8270D
2-Chloronaphthalene	EPA 625.1
	EPA 8270D
Hexachlorobenzene	EPA 625.1
	EPA 8270D

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**Chlorinated Hydrocarbons**

Hexachlorobutadiene	EPA 625.1 EPA 8270D
Hexachlorocyclopentadiene	EPA 625.1 EPA 8270D
Hexachloroethane	EPA 625.1 EPA 8270D

**Demand**

Chemical Oxygen Demand	EPA 410.4, Rev. 2.0 (1993)
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**Fuel Oxygenates**

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

**Haloethers**

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

**Haloethers**

Bis(2-chloroethyl)ether	EPA 8270D
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**Metals I**

Barium, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Cadmium, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Calcium, Total	EPA 6020A
Chromium, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Copper, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Iron, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Lead, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Magnesium, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Manganese, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Nickel, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Potassium, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Silver, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)

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<b>Metals I</b>		<b>Metals III</b>	
Sodium, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)	Molybdenum, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Strontium, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)	Thallium, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)
<b>Metals II</b>		Tin, Total	EPA 200.8, Rev. 5.4 (1994)
Aluminum, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)	Titanium, Total	EPA 200.8, Rev. 5.4 (1994)
Antimony, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)	<b>Mineral</b>	
Arsenic, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)	Alkalinity	SM 2320B-2011
Beryllium, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)	Calcium Hardness	SM 2340B-2011
Chromium VI	EPA 7196A SM 3500-Cr B-2011	Chloride	EPA 300.0, Rev. 2.1 (1993)
Mercury, Total	EPA 245.1, Rev. 3.0 (1994)	Fluoride, Total	EPA 300.0, Rev. 2.1 (1993)
Selenium, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)	Hardness, Total	SM 2340C-2011
Vanadium, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)	Sulfate (as SO <sub>4</sub> )	EPA 300.0, Rev. 2.1 (1993)
Zinc, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)	<b>Miscellaneous</b>	
<b>Metals III</b>		Boron, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Cobalt, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)	Bromide	EPA 300.0, Rev. 2.1 (1993)
		Cyanide, Available	OIA-1677-09
		Cyanide, Total	EPA 335.4, Rev. 1.0 (1993)
		Oil and Grease Total Recoverable (HEM)	EPA 1664A
		Organic Carbon, Total	SM 5310C-2011
		Phenols	EPA 420.1 (Rev. 1978)
		Specific Conductance	EPA 120.1 (Rev. 1982)
		Sulfide (as S)	SM 4500-S2- D-2011
		Total Petroleum Hydrocarbons	EPA 1664A

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**Nitroaromatics and Isophorone**

1,3-Dinitrobenzene	EPA 8270D
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)	SM 4500-NH3 D-2011 or E-2011
Kjeldahl Nitrogen, Total	SM 4500-NH3 D-2011 or E-2011
Nitrate (as N)	EPA 300.0, Rev. 2.1 (1993)
Nitrite (as N)	EPA 300.0, Rev. 2.1 (1993)
Phosphorus, Total	SM 4500-P E-2011

**Phthalate Esters**

Benzyl butyl phthalate	EPA 625.1
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**Phthalate Esters**

Benzyl butyl phthalate	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**

PCB-1016	EPA 8082A
	EPA 608.3
PCB-1221	EPA 8082A
	EPA 608.3
PCB-1232	EPA 8082A
	EPA 608.3
PCB-1242	EPA 8082A
	EPA 608.3
PCB-1248	EPA 8082A
	EPA 608.3
PCB-1254	EPA 8082A
	EPA 608.3
PCB-1260	EPA 8082A

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**Polychlorinated Biphenyls**

PCB-1260 EPA 608.3

**Polynuclear Aromatics**

Acenaphthene EPA 8270D  
Acenaphthylene EPA 8270D  
Anthracene EPA 8270D  
Benzo(a)anthracene EPA 8270D  
Benzo(a)pyrene EPA 8270D  
Benzo(b)fluoranthene EPA 8270D  
Benzo(ghi)perylene EPA 8270D  
Benzo(k)fluoranthene EPA 8270D  
Chrysene EPA 8270D  
Dibenzo(a,h)anthracene EPA 8270D  
Fluoranthene EPA 8270D  
Fluorene EPA 8270D  
Indeno(1,2,3-cd)pyrene EPA 8270D  
Naphthalene EPA 8270D  
Phenanthrene EPA 8270D  
Pyrene EPA 8270D

**Priority Pollutant Phenols**

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

**Priority Pollutant Phenols**

2,6-Dichlorophenol EPA 8270D  
2-Chlorophenol EPA 8270D  
2-Methyl-4,6-dinitrophenol EPA 8270D  
2-Methylphenol EPA 8270D  
2-Nitrophenol EPA 8270D  
3-Methylphenol EPA 8270D  
4-Chloro-3-methylphenol EPA 8270D  
4-Methylphenol EPA 8270D  
4-Nitrophenol EPA 8270D  
Cresols, Total EPA 8270D  
Pentachlorophenol EPA 8270D  
Phenol EPA 8270D

**Residue**

Solids, Total SM 2540 B-2011  
Solids, Total Dissolved SM 2540 C-2011  
Solids, Total Suspended SM 2540 D-2011

**Semi-Volatile Organics**

1,1'-Biphenyl EPA 8270D  
1,2-Dichlorobenzene, Semi-volatile EPA 8270D  
1,3-Dichlorobenzene, Semi-volatile EPA 8270D  
1,4-Dichlorobenzene, Semi-volatile EPA 8270D  
2-Methylnaphthalene EPA 8270D  
Acetophenone EPA 8270D  
Benzaldehyde EPA 8270D  
Benzoic Acid EPA 8270D

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**Semi-Volatile Organics**

Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D

**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
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
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C

**Volatile Aromatics**

p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
tert-Butylbenzene	EPA 8260C
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
	EPA 624.1
1,1-Dichloroethane	EPA 8260C
	EPA 624.1
1,1-Dichloroethene	EPA 8260C
	EPA 624.1
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C

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**Volatile Halocarbons**

1,2-Dichloroethane	EPA 8260C EPA 624.1
1,2-Dichloropropane	EPA 8260C EPA 624.1
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
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
Chloromethane	EPA 8260C EPA 624.1
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C EPA 624.1

**Volatile Halocarbons**

Dibromochloromethane	EPA 8260C EPA 624.1
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C EPA 624.1
Hexachlorobutadiene, Volatile	EPA 8260C
Methyl iodide	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
trans-1,4-Dichloro-2-butene	EPA 8260C
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 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C

**Serial No.: 57992**

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NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2019  
Issued April 01, 2018

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

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

**MS. MAYA MURSHAK**  
**MERIT LABORATORIES, INC.**  
**2680 EAST LANSING DRIVE**  
**EAST LANSING, MI 48823**

**NY Lab Id No: 11814**

*is hereby APPROVED as an Environmental Laboratory in conformance with the  
National Environmental Laboratory Accreditation Conference Standards (2003) for the category  
ENVIRONMENTAL ANALYSES NON POTABLE WATER*

*All approved analytes are listed below:*

**Volatiles Organics**

2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Ethyl Acetate	EPA 8260C
Isobutyl alcohol	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C
Vinyl acetate	EPA 8260C

**Sample Preparation Methods**

EPA 5030C  
EPA 3015A  
EPA 3510C  
SM 4500-N Org B-2011 or C-2011

**Serial No.: 57992**

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved analytes are listed below:*

**Acrylates**

Acrolein (Propenal) EPA 8260C  
Acrylonitrile EPA 8260C

**Amines**

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

**Benzidines**

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

**Characteristic Testing**

Corrosivity EPA 9045D  
Free Liquids EPA 9095B  
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

**Chlorinated Hydrocarbon Pesticides**

alpha-Chlordane EPA 8081B  
Atrazine EPA 8270D  
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 8260C  
1,2,4,5-Tetrachlorobenzene EPA 8270D  
1,2,4-Trichlorobenzene EPA 8270D  
2-Chloronaphthalene EPA 8270D  
Hexachlorobenzene EPA 8270D  
Hexachlorobutadiene EPA 8270D

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All approved analytes are listed below:*

**Chlorinated Hydrocarbons**

Hexachlorocyclopentadiene EPA 8270D  
Hexachloroethane EPA 8270D

**Haloethers**

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

**Metals I**

Barium, Total EPA 6020A  
Cadmium, Total EPA 6020A  
Calcium, Total EPA 6020A  
Chromium, Total EPA 6020A  
Copper, Total EPA 6020A  
Iron, Total EPA 6020A  
Lead, Total EPA 6020A  
Magnesium, Total EPA 6020A  
Manganese, Total EPA 6020A  
Nickel, Total EPA 6020A  
Potassium, Total EPA 6020A  
Silver, Total EPA 6020A  
Sodium, Total EPA 6020A  
Strontium, Total EPA 6020A

**Metals II**

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

**Metals III**

Cobalt, Total EPA 6020A  
Molybdenum, Total EPA 6020A  
Thallium, Total EPA 6020A  
Tin, Total EPA 6020A  
Titanium, Total EPA 6020A

**Miscellaneous**

Boron, Total EPA 6020A

**Nitroaromatics and Isophorone**

1,2-Dinitrobenzene EPA 8270D  
1,3-Dinitrobenzene EPA 8270D  
2,4-Dinitrotoluene EPA 8270D  
2,6-Dinitrotoluene EPA 8270D  
Isophorone EPA 8270D

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**Nitroaromatics and Isophorone**

Nitrobenzene EPA 8270D  
Pyridine EPA 8270D

**Nitrosoamines**

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

**Phthalate Esters**

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

**Polychlorinated Biphenyls**

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

**Polynuclear Aromatic Hydrocarbons**

7,12-Dimethylbenzyl (a) anthracene EPA 8270D  
Acenaphthene EPA 8270D

**Polynuclear Aromatic Hydrocarbons**

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

**Priority Pollutant Phenols**

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

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**Priority Pollutant Phenols**

2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D

**Semi-Volatile Organics**

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

**Volatile Aromatics**

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

**Volatile Aromatics**

1,3-Dichlorobenzene	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
Ethyl benzene	EPA 8260C
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
Total Xylenes	EPA 8260C

**Volatile Halocarbons**

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

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved analytes are listed below:*

**Volatile Halocarbons**

1,1,2-Trichloroethane	EPA 8260C
1,1-Dichloroethane	EPA 8260C
1,1-Dichloroethene	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
1,2-Dichloropropane	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 8260C
Bromoform	EPA 8260C
Bromomethane	EPA 8260C
Carbon tetrachloride	EPA 8260C
Chloroethane	EPA 8260C
Chloroform	EPA 8260C
Chloromethane	EPA 8260C
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
Dibromochloromethane	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
Methyl iodide	EPA 8260C

**Volatile Halocarbons**

Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
Trichlorofluoromethane	EPA 8260C
Vinyl chloride	EPA 8260C

**Volatile Organics**

1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Ethyl Acetate	EPA 8260C
Isobutyl alcohol	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
Vinyl acetate	EPA 8260C

**Sample Preparation Methods**

EPA 5035A-L

**Serial No.: 57993**

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved analytes are listed below:*

**Sample Preparation Methods**

EPA 5035A-H  
EPA 3050B  
EPA 3550C  
EPA 3060A

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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 6020A  
Lead in Paint EPA 6020A

**Sample Preparation Methods**

EPA 3050B

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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS  
All approved analytes are listed below:*

**Acrylates**

Acetonitrile	EPA TO-15
Acrylonitrile	EPA TO-15
Methyl methacrylate	EPA TO-15

**Chlorinated Hydrocarbons**

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

**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
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-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
Tetrachloroethene	EPA TO-15
trans-1,2-Dichloroethene	EPA TO-15
trans-1,3-Dichloropropene	EPA TO-15
Trichloroethene	EPA TO-15

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**Purgeable Halocarbons**

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
Acrolein (Propenal)	EPA TO-15
Carbon Disulfide	EPA TO-15
Cyclohexane	EPA TO-15
Hexane	EPA TO-15
Isopropanol	EPA TO-15
Methanol	EPA TO-15
Methyl tert-butyl ether	EPA TO-15
n-Heptane	EPA TO-15
tert-butyl alcohol	EPA TO-15
Vinyl acetate	EPA TO-15

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