



**STATE OF ILLINOIS**  
**ENVIRONMENTAL PROTECTION AGENCY**  
**NELAP - RECOGNIZED**



**ENVIRONMENTAL LABORATORY ACCREDITATION**

is hereby granted to

**LANCASTER LABORATORIES, INC.**

**2425 NEW HOLLAND PIKE**

**LANCASTER, PA 17605-2425**

**NELAP ACCREDITED**

ACCREDITATION NUMBER #200027



According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

Primary Accrediting Authority: PA Bureau of Labs, Dept of Environmental Prot.

Gary Germann  
 Manager  
 Environmental Laboratory Accreditation Program

Janet Cruse  
 Accreditation Officer  
 Environmental Laboratory Accreditation Program

Certificate No.: 002690  
 Expiration Date: 01/31/2012  
 Issued On: 02/15/2011

**State of Illinois**  
**Environmental Protection Agency**

Certificate No.:

002690

**Awards the Certificate of Approval**

Lancaster Laboratories, Inc.  
2425 New Holland Pike  
Lancaster, PA 17605-2425

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According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

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**Hazardous and Solid Waste, Inorganic**

1010

Ignitability

1311

TCLP (Organic and Inorganic)

1312

Synthetic Precipitation Leaching Procedure

6010B

Aluminum	Antimony	Arsenic
Barium	Beryllium	Boron
Cadmium	Calcium	Chromium
Cobalt	Copper	Iron
Lead	Lithium	Magnesium
Manganese	Molybdenum	Nickel
Potassium	Selenium	Silver
Sodium	Strontium	Thallium
Tin	Titanium	Vanadium
Zinc		

6010C

Aluminum	Antimony	Arsenic
Barium	Beryllium	Boron
Cadmium	Calcium	Chromium
Cobalt	Copper	Iron
Lead	Lithium	Magnesium
Manganese	Molybdenum	Nickel
Potassium	Selenium	Silver
Sodium	Strontium	Thallium
Tin	Titanium	Vanadium
Zinc		

6020

Aluminum	Antimony	Arsenic
Barium	Beryllium	Cadmium
Calcium	Chromium	Cobalt
Copper	Iron	Lead
Magnesium	Manganese	Molybdenum
Nickel	Potassium	Selenium
Silver	Sodium	Thallium
Vanadium	Zinc	

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**Hazardous and Solid Waste, Inorganic**

6020A

Aluminum  
Barium  
Cadmium  
Cobalt  
Lead  
Molybdenum  
Selenium  
Thallium

Antimony  
Beryllium  
Calcium  
Copper  
Magnesium  
Nickel  
Silver  
Vanadium

Arsenic  
Boron  
Chromium  
Iron  
Manganese  
Potassium  
Sodium  
Zinc

7196A

Chromium VI

7470A

Mercury

7471A

Mercury

9012A

Cyanide

9040B

Hydrogen Ion (pH)

9045C

Hydrogen Ion (pH)

9050A

Specific Conductance

9056 (Non-Potable Matrix Only)

Bromide

Nitrate

Chloride

Nitrite

Fluoride

Sulfate

9060

Total Organic Carbon (TOC)

9066

Phenolics

9071A (Non-Potable Matrix Only)

Oil & Grease Extractable

9081 (Non-Potable Matrix Only)

Cation-exchange Capacity

9095A

Paint Filter

Chapter 7/9012A (Non-Potable Matrix Only)

Reactive Cyanide

**Hazardous and Solid Waste, Organic**

8011 (Non-Potable Matrix Only)

1,2-Dibromo-3-chloropropane (DBCP)

1,2-Dibromoethane (EDB)

8015B

2-Propanol (Isopropyl alcohol)

Diesel range organics (DRO)

Ethanol

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 Lancaster, PA 17605-2425

<b>Hazardous and Solid Waste, Organic</b>	<b>8015B</b>	Ethylene glycol
Gasoline range organics (GRO)	Methanol	
<b>8015C</b>		
Diesel range organics (DRO)	Ethanol	Gasoline range organics (GRO)
Methanol		
<b>8021B</b>		
Benzene (Non-Potable Matrix Only)	Ethylbenzene	MTBE (Methyl-t-butyl ether)
m-Xylene	Naphthalene (Non-Potable Matrix Only)	o-Xylene
p-Xylene	Toluene	Total Xylenes
<b>8081A</b>		
4,4'-DDD	4,4'-DDE	4,4'-DDT
Aldrin	alpha-BHC	alpha-Chlordane
beta-BHC	Chlordane - not otherwise specified	delta-BHC
Dieldrin	Endosulfan I	Endosulfan II
Endosulfan sulfate	Endrin	Endrin aldehyde
Endrin ketone	gamma-BHC (Lindane)	gamma-Chlordane
Heptachlor	Heptachlor epoxide	Kepone
Methoxychlor	Mirex	Toxaphene
<b>8081B</b>		
4,4'-DDD	4,4'-DDE	4,4'-DDT
Aldrin	alpha-BHC	alpha-Chlordane
beta-BHC	Chlordane - not otherwise specified	delta-BHC
Dieldrin	Endosulfan I	Endosulfan II
Endosulfan sulfate	Endrin	Endrin aldehyde
Endrin ketone	gamma-BHC (Lindane)	gamma-Chlordane
Heptachlor	Heptachlor epoxide	Kepone
Methoxychlor	Mirex	Toxaphene
<b>8082</b>		
PCB-1016	PCB-1221	PCB-1232
PCB-1242	PCB-1248	PCB-1254
PCB-1260		
<b>8082A</b>		
PCB-1016	PCB-1221	PCB-1232
PCB-1242	PCB-1248	PCB-1254
PCB-1260		
<b>8141A</b>		
Atrazine	Azinphos-methyl	Chloropyrifos
Coumaphos	Demeton	Diazinon
Dichlorovos	Disulfoton	EPN
Ethion	Ethoprop	Famphur
Fensulfothion	Fenthion	Malathion
Merphos	Mevinphos	Naled
Parathion ethyl	Parathion methyl	Phorate
Ronnel	Simazine	Sulprofos (Bolstar)
Tetrachlovinphos (Stirophos)	Tokuthion (Protothiofos)	Trichloronate

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**Hazardous and Solid Waste, Organic**

**8141B**

Atrazine  
Coumaphos  
Dichlorovos  
Ethion  
Fensulfothion  
Merphos  
Parathion ethyl  
Ronnell  
Tetrachlorvinphos (Stirophos)

Azinphos-methyl  
Demeton  
Disulfoton  
Ethoprop  
Fenthion  
Mevinphos  
Parathion methyl  
Simazine  
Tokuthion (Protothiofos)

Chloropyrifos  
Diazinon  
EPN  
Famphur  
Malathion  
Naled  
Phorate  
Sulprofos (Bolstar)  
Trichloronate

**8151A**

2,4,5-T  
2,4-DB  
Dichloroprop  
MCPD

2,4,5-TP (Silvex)  
Dalapon  
Dinoseb  
Pentachlorophenol

2,4-D  
Dicamba  
MCPA  
Picloram

**8260B**

1,1,1,2-Tetrachloroethane  
1,1,2-Trichloroethane  
1,1-Dichloropropene  
1,2,4-Trichlorobenzene  
1,2-Dibromoethane (EDB)  
1,2-Dichloropropane  
1,3-Dichloropropane  
2,2-Dichloropropane  
2-Chloroethyl vinyl ether  
2-Methyl-1-propanol (Isobutyl alcohol)  
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)  
Acrolein (Propenal)  
Benzene  
Bromodichloromethane  
Carbon disulfide  
Chlorodibromomethane (Dibromochloromethane)  
Chloromethane  
cis-1,3-Dichloropropene  
Dichloromethane (Methylene chloride)  
Ethylbenzene  
Methacrylonitrile  
Methyl-t-butyl ether  
n-Butanol  
p-Xylene  
t-Butyl alcohol  
Toluene  
Trichloroethene  
Vinyl acetate

1,1,1-Trichloroethane  
1,1-Dichloroethane  
1,2,3-Trichlorobenzene  
1,2,4-Trimethylbenzene  
1,2-Dichlorobenzene  
1,3,5-Trimethylbenzene  
1,4-Dichlorobenzene  
2-Butanone (Methyl ethyl ketone, MEK)  
2-Chlorotoluene  
2-Propanol (Isopropyl alcohol)  
Acetone  
Acrylonitrile  
Bromobenzene  
Bromoform  
Carbon tetrachloride  
Chloroethane  
Chloroprene  
Dibromomethane  
Ethyl acetate  
Hexachlorobutadiene  
Methyl ethyl ketone  
m-Xylene  
n-Butylbenzene  
sec-Butylbenzene  
tert-Butylbenzene  
trans-1,2-Dichloroethene  
Trichlorofluoromethane  
Vinyl chloride

1,1,2,2-Tetrachloroethane  
1,1-Dichloroethene  
1,2,3-Trichloropropane  
1,2-Dibromo-3-chloropropane (DBCP)  
1,2-Dichloroethane  
1,3-Dichlorobenzene  
1,4-Dioxane  
2-Chloro-1,3-butadiene (Chloroprene)  
2-Hexanone  
4-Chlorotoluene  
Acetonitrile  
Allyl chloride  
Bromochloromethane  
Bromomethane  
Chlorobenzene  
Chloroform  
cis-1,2-Dichloroethene  
Dichlorodifluoromethane  
Ethyl methacrylate  
Isopropylbenzene  
Methyl isobutyl ketone  
Naphthalene  
o-Xylene  
Styrene  
Tetrachloroethene  
trans-1,3-Dichloropropene  
Trichlorotrifluoroethane (Non-Potable Matrix Organics)  
Xylenes (Total)

**8270C**

1,2,4,5-Tetrachlorobenzene

1,2,4-Trichlorobenzene

1,2-Dichlorobenzene

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**Hazardous and Solid Waste, Organic**

**8270C**

1,2-Diphenylhydrazine  
1,3-Dinitrobenzene (1,3-DNB)  
1,4-Naphthoquinone  
1-Methylnaphthalene  
2,4,5-Trichlorophenol  
2,4-Dimethylphenol  
2,6-Dichlorophenol  
2-Chloronaphthalene  
2-Methylphenol (o-Cresol)  
2-Nitroaniline  
3,3'-Dimethylbenzidine  
3-Nitroaniline  
4-Aminobiphenyl  
4-Chloroaniline  
4-Nitroaniline  
7,12-Dimethylbenz(a)anthracene  
Acetophenone  
Anthracene  
Benzo(a)anthracene  
Benzo(g,h,i)perylene  
Benzyl alcohol  
Bis(2-chloroisopropyl) ether  
Carbazole  
Dibenz(a,h)anthracene  
Diethyl phthalate  
Di-n-butyl phthalate  
Ethyl methanesulfonate  
Hexachlorobenzene  
Hexachloroethane  
Isodrin  
Methapyrilene  
Nitrobenzene  
N-Nitrosodi-n-butylamine (N-Nitrosodibutylamin  
N-Nitrosomethylethylamine  
N-Nitrosopyrrolidine  
o-Toluidine  
Pentachloronitrobenzene  
Phenanthrene  
Pronamide  
Safrole

1,3,5-Trinitrobenzene (1,3,5-TNB)  
1,4-Dichlorobenzene  
1,4-Phenylenediamine  
1-Naphthylamine  
2,4,6-Trichlorophenol  
2,4-Dinitrophenol  
2,6-Dinitrotoluene (2,6-DNT)  
2-Chlorophenol  
2-Methylpyridine (2-Picoline)  
2-Nitrophenol  
3-Methylcholanthrene  
4,4'-Methylenebis(2-Chloroaniline)  
4-Bromophenyl phenyl ether  
4-Chlorophenyl phenyl ether  
4-Nitrophenol  
Acenaphthene  
alpha,alpha-Dimethylphenethylamine  
Aramite  
Benzo(a)pyrene  
Benzo(k)fluoranthene  
Bis(2-chloroethoxy) methane  
Bis(2-ethylhexyl) phthalate  
Chrysene  
Dibenz(a,j)acridine  
Dimethyl phthalate  
Di-n-octyl phthalate  
Fluoranthene  
Hexachlorobutadiene  
Hexachloropropene  
Isophorone  
Methyl methanesulfonate  
N-Nitrosodiethylamine  
N-Nitrosodi-n-propylamine  
N-Nitrosomorpholine  
O,O,O-Triethyl phosphorothioate  
p-Cresol (4-Methylphenol)  
Pentachlorophenol  
Phenol  
Pyrene  
Thionazine (Zinophos)

1,2-Dinitrobenzene  
1,3-Dichlorobenzene  
1,4-Dinitrobenzene  
1-Chloronaphthalene  
2,3,4,6-Tetrachlorophenol  
2,4-Dichlorophenol  
2,4-Dinitrotoluene (2,4-DNT)  
2-Acetylaminofluorene  
2-Methylnaphthalene  
2-Naphthylamine  
3,3'-Dichlorobenzidine  
3-Methylphenol (m-Cresol)  
4,6-Dinitro-2-methylphenol  
4-Chloro-3-methylphenol  
4-Methylphenol (p-Cresol)  
5-Nitro-o-toluidine  
Acenaphthylene  
Aniline  
Benzidine  
Benzo(b)fluoranthene  
Benzoic acid  
Bis(2-chloroethyl) ether  
Butyl benzyl phthalate  
Diallate  
Dibenzofuran  
Dimethylaminoazobenzene (Non-Potable Mat  
Diphenylamine  
Fluorene  
Hexachlorocyclopentadiene  
Indeno(1,2,3-cd) pyrene  
Isosafrole  
Naphthalene  
N-Nitrosodimethylamine  
N-Nitrosodiphenylamine  
N-Nitrosopiperidine  
o-Cresol (2-Methylphenol)  
Pentachlorobenzene  
Phenacetin  
Phorate  
Pyridine  
Thiophenol (Benzenethiol)

**8270D**

1,2,4,5-Tetrachlorobenzene  
1,2-Diphenylhydrazine  
1,3-Dinitrobenzene (1,3-DNB)  
1,4-Naphthoquinone  
1-Methylnaphthalene

1,2,4-Trichlorobenzene  
1,3,5-Trinitrobenzene (1,3,5-TNB)  
1,4-Dichlorobenzene  
1,4-Phenylenediamine  
1-Naphthylamine

1,2-Dichlorobenzene  
1,3-Dichlorobenzene  
1,4-Dinitrobenzene  
1-Chloronaphthalene  
2,3,4,6-Tetrachlorophenol

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**Hazardous and Solid Waste, Organic**

2,4,6-Trichlorophenol  
2,4-Dinitrophenol  
2,6-Dinitrotoluene (2,6-DNT)  
2-Chlorophenol  
2-Methylpyridine (2-Picoline)  
2-Nitrophenol  
3-Methylcholanthrene  
4,4'-Methylenebis(2-Chloroaniline)  
4-Bromophenyl phenyl ether  
4-Chlorophenyl phenyl ether  
4-Nitrophenol  
Acenaphthene  
alpha,alpha-Dimethylphenethylamine  
Aramite  
Benzo(a)pyrene  
Benzo(k)fluoranthene  
Bis(2-chloroethoxy) methane  
Bis(2-ethylhexyl) phthalate  
Chrysene  
Dibenz(a,j)acridine  
Dimethyl phthalate  
Ethyl methanesulfonate  
Hexachlorobenzene  
Hexachloroethane  
Isophorone  
Methylpyrilene  
N-Nitrosodiethylamine  
N-Nitrosodi-n-propylamine  
N-Nitrosomorpholine  
O,O,O-Triethyl phosphorothioate  
p-Cresol (4-Methylphenol)  
Pentachlorophenol  
Phenol  
Pyrene  
Thionazine (Zinophos)

**8270D**

2,4-Dichlorophenol  
2,4-Dinitrotoluene (2,4-DNT)  
2-Acetylaminofluorene  
2-Methylnaphthalene  
2-Naphthylamine  
3,3'-Dichlorobenzidine  
3-Methylphenol (m-Cresol)  
4,6-Dinitro-2-methylphenol  
4-Chloro-3-methylphenol  
4-Methylphenol (p-Cresol)  
5-Nitro-o-toluidine  
Acenaphthylene  
Aniline  
Benzidine  
Benzo(b)fluoranthene  
Benzoic acid  
Bis(2-chloroethyl) ether  
Butyl benzyl phthalate  
Diallate  
Dibenzofuran  
Di-n-butyl phthalate  
Fluoranthene  
Hexachlorobutadiene  
Hexachloropropene  
Isosafrole  
Naphthalene  
N-Nitrosodimethylamine  
N-Nitrosodiphenylamine  
N-Nitrosopiperidine  
o-Cresol (2-Methylphenol)  
Pentachlorobenzene  
Phenacetin  
Phorate  
Pyridine  
Thiophenol (Benzenethiol)

**2,4,5-Trichlorophenol**

2,4-Dimethylphenol  
2,6-Dichlorophenol  
2-Chloronaphthalene  
2-Methylphenol (o-Cresol)  
2-Nitroaniline  
3,3'-Dimethylbenzidine  
3-Nitroaniline  
4-Aminobiphenyl  
4-Chloroaniline  
4-Nitroaniline  
7,12-Dimethylbenz(a)anthracene  
Acetophenone  
Anthracene  
Benzo(a)anthracene  
Benzo(g,h,i)perylene  
Benzyl alcohol  
Bis(2-chloroisopropyl) ether  
Carbazole  
Dibenz(a,h)anthracene  
Diethyl phthalate  
Di-n-octyl phthalate  
Fluorene  
Hexachlorocyclopentadiene  
Indeno(1,2,3-cd) pyrene  
Methyl methanesulfonate  
Nitrobenzene  
N-Nitrosodi-n-butylamine (N-Nitrosodibutylami  
N-Nitrosomethylethylamine  
N-Nitrosopyrrolidine  
o-Toluidine  
Pentachloronitrobenzene  
Phenanthrene  
Pronamide  
Safrole

**8290A**

1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)  
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpC  
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDF)  
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)  
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)  
2,3,7,8-Tetrachlorodibenzofuran (TCDF)  
Total Heptachlorodibenzo-p-dioxin (HpCDD)  
Total Pentachlorodibenzofuran (PeCDF)  
Total Tetrachlorodibenzo-p-dioxin (TCDD)

1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OC  
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)  
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)  
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDF)  
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)  
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)  
Total Hexachlorodibenzofuran (HxCDF)  
Total Pentachlorodibenzo-p-dioxin (PeCDD)

1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCD  
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)  
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDF)  
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)  
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)  
Total Heptachlorodibenzofuran (HpCDF)  
Total Hexachlorodibenzo-p-dioxin (HxCDD)  
Total Tetrachlorodibenzofuran (TCDF)

**8315A**

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**Hazardous and Solid Waste, Organic**

8315A

Formaldehyde

8318 (SCM Matrix Only)

3-Hydroxycarbofuran  
Baygon (Propoxur)  
Methiocarb (Mesurol)

Aldicarb (Temik)  
Carbaryl (Sevin)  
Methomyl (Lannate)

Aldicarb sulfone  
Carbofuran (Furaden)  
Propoxur (Baygon)

8318A (SCM Matrix Only)

3-Hydroxycarbofuran  
Carbaryl (Sevin)  
Methomyl (Lannate)

Aldicarb (Temik)  
Carbofuran (Furadan)  
Propoxur (Baygon)

Aldicarb sulfone  
Methiocarb (Mesurol)

8330

1,3,5-Trinitrobenzene (1,3,5-TNB)  
2,4-Dinitrotoluene (2,4-DNT)  
4-Amino-2,6-dinitrotoluene (4-Am-DNT)  
m-Nitrotoluene (3-Nitrotoluene, 3-NT)  
o-Nitrotoluene (2-Nitrotoluene, 2-NT)

1,3-Dinitrobenzene (1,3-DNB)  
2,6-Dinitrotoluene (2,6-DNT)  
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)  
Nitrobenzene  
p-Nitrotoluene (4-Nitrotoluene, 4-NT)

2,4,6-Trinitrotoluene (2,4,6-TNT)  
2-Amino-4,6-dinitrotoluene (2-Am-DNT)  
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)  
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocin

8330A

1,3,5-Trinitrobenzene (1,3,5-TNB)  
2,4,6-Trinitrotoluene (2,4,6-TNT)  
2-Amino-4,6-dinitrotoluene (2-Am-DNT)  
4-Amino-2,6-dinitrotoluene (4-Am-DNT)  
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)

1,3-Dinitrobenzene (1,3-DNB)  
2,4-Dinitrotoluene (2,4-DNT)  
2-Nitrotoluene (2-NT)  
4-Nitrotoluene (4-NT)  
Nitrobenzene

2,4,6-Trinitrotoluene  
2,6-Dinitrotoluene (2,6-DNT)  
3-Nitrotoluene (3-NT)  
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)  
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocin

8332 (SCM Matrix Only)

Nitroglycerine

**Wastewater, Inorganic**

SM2120B,20Ed

Color

SM2320B,20Ed

Alkalinity

SM2340B,20Ed

Hardness

SM2340C,20Ed

Hardness

SM2510B,20Ed

Specific Conductance

SM2540B,20Ed

Residue (Total)

SM2540C,20Ed

Residue (TDS)

SM2540D,20Ed

Residue (TSS)

SM2540F,20Ed

Residue (settleable)

SM3500Cr-B,20Ed

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Lancaster Laboratories, Inc.  
 2425 New Holland Pike  
 Lancaster, PA 17605-2425

**Wastewater, Inorganic**

*SM3500Cr-B,20Ed*

Chromium VI

*SM4500CN-CE,20Ed*

Cyanide

*SM4500F-C,20Ed*

Fluoride

*SM4500H-B,20Ed*

Hydrogen Ion (pH)

*SM4500NH3-C,20Ed*

Ammonia

*SM4500O-G,20Ed*

Oxygen - Dissolved

*SM4500P-E,20Ed*

Orthophosphate (as P)

*SM4500S-D,20Ed*

Sulfide

*SM4500S-F,20Ed*

Sulfide

*SM4500Si-C,20Ed*

Silica

*SM4500SO3B,20Ed*

Sulfite

*SM5210B,20Ed*

Biochemical Oxygen Demand (BOD)

Carbonaceous Biochemical Oxygen Demand (C

*SM5310B,20Ed*

Total Organic Carbon (TOC)

*SM5310C,20Ed*

Total Organic Carbon (TOC)

*USEPA130.2*

Hardness

*USEPA160.1*

Residue (TDS)

*USEPA160.4*

Residue (Volatile)

*USEPA1631E*

Mercury

*USEPA1664R4\_95*

Oil and Grease

*USEPA180.1R2.0*

Turbidity

*USEPA200.7R4.4*

Aluminum

Antimony

Arsenic

Barium

Beryllium

Boron

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<b>Wastewater, Inorganic</b>	<b>USEPA200.7R4.4</b>	Cadmium
Calcium	Chromium	Cobalt
Copper	Iron	Lead
Magnesium	Manganese	Molybdenum
Nickel	Potassium	Selenium
Silver	Sodium	Thallium
Tin	Titanium	Vanadium
Zinc		
<b>USEPA200.8R5.4</b>		
Aluminum	Antimony	Arsenic
Barium	Beryllium	Boron
Cadmium	Chromium	Copper
Iron	Lead	Manganese
Molybdenum	Nickel	Selenium
Silver	Thallium	Tin
Vanadium	Zinc	
<b>USEPA218.6R3.3</b>		
Chromium VI		
<b>USEPA245.1R3.0</b>		
Mercury		
<b>USEPA300.0R2.1</b>		
Bromide	Chloride	Fluoride
Nitrate	Nitrate-Nitrite (sum)	Nitrite
Sulfate		
<b>USEPA335.4R1.0</b>		
Cyanide		
<b>USEPA351.2R2.0</b>		
Total Kjeldahl Nitrogen		
<b>USEPA353.2R2.0</b>		
Nitrate (total)	Nitrate-Nitrite (sum)	Nitrite
<b>USEPA365.1R2.0</b>		
Phosphorus		
<b>USEPA365.3</b>		
Orthophosphate (as P)		
<b>USEPA375.4</b>		
Sulfate		
<b>USEPA410.1</b>		
Chemical Oxygen Demand (COD)		
<b>USEPA410.4R2.0</b>		
Chemical Oxygen Demand (COD)		
<b>USEPA415.1</b>		
Total Organic Carbon (TOC)		
<b>USEPA420.4R1.0</b>		
Phenolics		

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**Wastewater, Inorganic**

Surfactants

USEPA425.1

**Wastewater, Organic**

USEPA1613RB

1,2,3,4,6,7,8-Heptachlorodibenzofuran  
1,2,3,4,7,8-Hexachlorodibenzofuran  
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin  
1,2,3,7,8-Pentachlorodibenzofuran  
2,3,4,7,8-Pentachlorodibenzofuran  
Octachlorodibenzofuran  
Total Heptachlorodibenzo-p-dioxin  
Total Pentachlorodibenzofuran  
Total Tetrachlorodibenzo-p-dioxin

1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin  
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin  
1,2,3,7,8,9-Hexachlorodibenzofuran  
1,2,3,7,8-Pentachlorodibenzo-p-dioxin  
2,3,7,8-Tetrachlorodibenzofuran  
Octachlorodibenzo-p-dioxin  
Total Hexachlorodibenzofuran  
Total Pentachlorodibenzo-p-dioxin

1,2,3,4,7,8,9-Heptachlorodibenzofuran  
1,2,3,6,7,8-Hexachlorodibenzofuran  
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin  
2,3,4,6,7,8-Hexachlorodibenzofuran  
2,3,7,8-Tetrachlorodibenzo-p-dioxin  
Total Heptachlorodibenzofuran  
Total Hexachlorodibenzo-p-dioxin  
Total Tetrachlorodibenzofuran

USEPA602

Benzene

Ethylbenzene

Toluene

USEPA608

4,4'-DDD  
Aldrin  
Chlordane  
Endosulfan I  
Endrin  
Heptachlor  
PCB-1016  
PCB-1242  
PCB-1260

4,4'-DDE  
alpha-BHC  
delta-BHC  
Endosulfan II  
Endrin aldehyde  
Heptachlor epoxide  
PCB-1221  
PCB-1248  
Toxaphene

4,4'-DDT  
beta-BHC  
Dieldrin  
Endosulfan sulfate  
gamma-BHC (Lindane)  
Methoxychlor  
PCB-1232  
PCB-1254

USEPA610

Acenaphthene  
Benzo(a)anthracene  
Benzo(g,h,i)perylene  
Dibenz(a,h)anthracene  
Indeno(1,2,3-cd) pyrene  
Pyrene

Acenaphthylene  
Benzo(a)pyrene  
Benzo(k)fluoranthene  
Fluoranthene  
Naphthalene

Anthracene  
Benzo(b)fluoranthene  
Chrysene  
Fluorene  
Phenanthrene

USEPA624

1,1,1-Trichloroethane  
1,1-Dichloroethane  
1,2-Dichloroethane  
1,4-Dichlorobenzene  
Acrylonitrile  
Bromoform  
Chlorobenzene  
Chloromethane  
Dichloromethane (Methylene chloride)  
Tetrachloroethene  
trans-1,3-Dichloropropene  
Vinyl chloride

1,1,2,2-Tetrachloroethane  
1,1-Dichloroethene  
1,2-Dichloropropane  
2-Chloroethylvinyl ether  
Benzene  
Bromomethane  
Chloroethane  
cis-1,3-Dichloropropene  
Ethylbenzene  
Toluene  
Trichloroethene  
Xylenes (total)

1,1,2-Trichloroethane  
1,2-Dichlorobenzene  
1,3-Dichlorobenzene  
Acrolein (Propenal)  
Bromodichloromethane  
Carbon tetrachloride  
Chloroform  
Dibromochloromethane  
Methyl tert-butyl ether (MTBE)  
trans-1,2-Dichloroethene  
Trichlorofluoromethane

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**Wastewater, Organic**

1,2,4-Trichlorobenzene  
1,4-Dichlorobenzene  
2,4,6-Trichlorophenol  
2,4-Dinitrophenol  
2-Chloronaphthalene  
2-Nitrophenol  
4-Chloro-3-methylphenol  
Acenaphthene  
Benzidine  
Benzo(b)fluoranthene  
Benzyl butyl phthalate  
Bis(2-ethylhexyl) phthalate  
Diethyl phthalate  
Di-n-octyl phthalate  
Hexachlorobenzene  
Hexachloroethane  
Naphthalene  
N-Nitrosodi-n-propylamine  
Phenanthrene

**USEPA625**

1,2-Dichlorobenzene  
2,2-Oxybis (2-chloropropane)  
2,4-Dichlorophenol  
2,4-Dinitrotoluene (2,4-DNT)  
2-Chlorophenol  
3,3'-Dichlorobenzidine  
4-Chlorophenyl phenyl ether  
Acenaphthylene  
Benzo(a)anthracene  
Benzo(g,h,i)perylene  
Bis(2-chloroethoxy) methane  
Chrysene  
Dimethyl phthalate  
Fluoranthene  
Hexachlorobutadiene  
Indeno(1,2,3-cd) pyrene  
Nitrobenzene  
N-Nitrosodiphenylamine  
Phenol

1,3-Dichlorobenzene  
2,4,5-Trichlorophenol  
2,4-Dimethylphenol  
2,6-Dinitrotoluene (2,6-DNT)  
2-Methyl-4,6-dinitrophenol  
4-Bromophenyl phenyl ether  
4-Nitrophenol  
Anthracene  
Benzo(a)pyrene  
Benzo(k)fluoranthene  
Bis(2-chloroethyl) ether  
Dibenz(a,h)anthracene  
Di-n-butyl phthalate  
Fluorene  
Hexachlorocyclopentadiene  
Isophorone  
N-Nitrosodimethylamine  
Pentachlorophenol  
Pyrene