

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

ESS LABORATORY DIV. OF THEILSCH ENGINEERING

LOCATED AT 185 FRANCES AVENUE IN CRANSTON, RI

AND REGISTERED IN THE NAME OF LAUREL A. STODDARD

THIS CERTIFICATE IS ISSUED IN THE NAME OF LAUREL A. STODDARD WHO HAS BEEN DESIGNATED
BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF
APPROVAL AS FOLLOWS:

DRINKING WATER, NON-POTABLE WATER/WASTEWATER, SOIL/SOLID WASTE

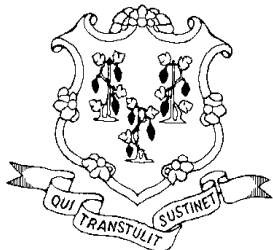
Examination For
INORGANIC CHEMICALS
ORGANIC CHEMICALS

SEE CERTIFIED PARAMETER LIST FOR SPECIFIC TESTS APPROVED

EFFECTIVE RENEWAL DATE October 1, 2024

THIS CERTIFICATE EXPIRES September 30, 2026 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 16th DAY OF August, 2024



Registration No.
PH-0750

Lisa Michelle Morrissey
Lisa Michelle Morrissey, MPH
Deputy Commissioner

Rev. Feb. 2023

STATE OF CONNECTICUT



DEPARTMENT OF PUBLIC HEALTH ENVIRONMENT LAB CERTIFICATION PROGRAM (ELCP)

CERTIFIED ANALYTES REPORT FOR ALL MATRICES

ESS Laboratory - Div. Thielsch Engineering

185 FRANCES AVENUE
CRANSTON, RI 02910

CT REGISTRATION NUMBER : PH-0750

REGISTERED OWNER / AUTHORIZED AGENT : Laurel A. Stoddard

DIRECTOR : Laurel A. Stoddard

CO DIRECTOR(S) :

PHONE : (401) 461-7181

LABORATORY REGISTRATION EFFECTIVE DATE : 10/01/2024

LABORATORY REGISTRATION EXPIRATION DATE : 09/30/2026

LABORATORY STATUS : APPROVED

APPROVED BY

A handwritten signature in blue ink, reading 'Lisa Michelle Morrissey'.

Lisa Michelle Morrissey, MPH
Deputy Commissioner
Connecticut Department of Public Health

REVIEWED BY

A handwritten signature in blue ink, reading 'Dawn E Shaban'.

8/16/2024 9:31:57 AM

Dawn Shaban
Laboratory Consultant

ANY QUESTIONS CONCERNING THIS DOCUMENT SHOULD BE ADDRESSED TO THE
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM AT (860) 509-7389

DRINKING WATER (SDWA)

STATUS REPORTED ON 8/16/2024

ANALYTE NAME

INORGANIC PHYSICAL PARAMETERS

Conductivity EPA 120.1

Conductivity SM2510B

pH EPA 150.1

pH SM4500H+B

Turbidity EPA 180.1

INORGANIC MINERALS PARAMETERS

Alkalinity as CaCO3 SM2320B

Calcium Hardness EPA 200.7

Chloride EPA 300.0

Fluoride EPA 300.0

Sulfate EPA 300.0

Sulfate SM4500SO4 E

Total Hardness SM2340B

INORGANIC NUTRIENT PARAMETERS

Nitrate as N EPA 353.2

Nitrite as N EPA 353.2

Orthophosphate as P EPA 365.1

METALS

Aluminum EPA 200.7

Aluminum EPA 200.8

Antimony EPA 200.5

Antimony EPA 200.8

Arsenic EPA 200.5

Arsenic EPA 200.8

Arsenic EPA 200.9

Barium EPA 200.7

Barium EPA 200.8

Beryllium EPA 200.7

Beryllium EPA 200.8

Boron EPA 200.7

Cadmium EPA 200.7

Cadmium EPA 200.8

Calcium EPA 200.7

Chromium EPA 200.7

Chromium EPA 200.8

Cobalt EPA 200.8

Copper EPA 200.7

Copper EPA 200.8

Iron EPA 200.7

Lead EPA 200.5

Lead EPA 200.8

Magnesium EPA 200.7

Manganese EPA 200.7

Manganese EPA 200.8

Mercury EPA 245.1

Molybdenum EPA 200.7

Molybdenum EPA 200.8

Nickel EPA 200.7

Nickel EPA 200.8

Potassium EPA 200.7

Selenium EPA 200.5

Selenium EPA 200.8

Selenium EPA 200.9

Silver EPA 200.7

Silver EPA 200.8

Sodium EPA 200.7

Thallium EPA 200.8

Vanadium EPA 200.7

Vanadium EPA 200.8

Zinc EPA 200.7

Zinc EPA 200.8

INORGANIC SOLIDS

Total Dissolved Solids (TDS) SM2540 C

INORGANIC DEMANDS

Total Organic Carbon SM5310 B

INORGANIC MISCELLANEOUS PARAMETERS

Cyanide, Total SM4500CN E

DISINFECTANT RESIDUALS

Chlorine SM4500Cl D

Chlorine SM4500Cl G

Free chlorine SM4500Cl G

ORGANIC DISINFECTION BY-PRODUCTS

Dibromoacetic acid EPA 552.2

Dichloroacetic Acid EPA 552.2

Monobromoacetic acid EPA 552.2

Monochloroacetic acid EPA 552.2

Total HAAs EPA 552.2

Trichloroacetic Acid EPA 552.2

VOLATILE ORGANICS

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-Trichlorobenzene EPA 524.2

1,2,3-Trichloropropane EPA 524.2

1,2,4-Trichlorobenzene EPA 524.2

1,2,4-Trimethylbenzene EPA 524.2

1,2-Dibromo-3-chloropropane (DBCP) EPA 504.1

1,2-Dibromoethane (EDB, Ethylene dibromide) EPA 504.1

1,2-Dichlorobenzene EPA 524.2

1,2-Dichloroethane EPA 524.2

1,2-Dichloropropane EPA 524.2

1,3,5-Trimethylbenzene EPA 524.2

1,3-Dichlorobenzene EPA 524.2

1,3-Dichloropropane EPA 524.2

1,4-Dichlorobenzene EPA 524.2

2,2-Dichloropropane EPA 524.2

2-Chlorotoluene EPA 524.2

4-Chlorotoluene EPA 524.2

4-Isopropyltoluene EPA 524.2

Benzene EPA 524.2

Bromobenzene EPA 524.2

Bromochloromethane EPA 524.2

Bromodichloromethane EPA 524.2

Bromoform EPA 524.2

Bromomethane EPA 524.2

Carbon Tetrachloride EPA 524.2

Chlorobenzene EPA 524.2

Chloroethane EPA 524.2

Chloroform EPA 524.2

Chloromethane EPA 524.2

cis-1,2 Dichloroethene EPA 524.2

Dibromochloromethane EPA 524.2

Dibromomethane EPA 524.2

Dichlorodifluoromethane EPA 524.2

Ethylbenzene EPA 524.2

Hexachlorobutadiene EPA 524.2

Methyl-tert-butyl-ether EPA 524.2

Methylene chloride EPA 524.2

n-Butylbenzene EPA 524.2

n-Propylbenzene EPA 524.2

Naphthalene EPA 524.2

sec-Butylbenzene EPA 524.2

Styrene EPA 524.2

tert-Butylbenzene EPA 524.2

Toluene EPA 524.2

trans-1,2-Dichloroethene EPA 524.2

Trichlorofluoromethane EPA 524.2

Xylenes, Total EPA 524.2

Tetrachloroethene EPA 524.2

Total Trihalomethanes EPA 524.2

Trichloroethene EPA 524.2

Vinyl Chloride EPA 524.2

NON-POTABLE WATER/ WASTEWATER (CWA)

STATUS REPORTED ON 8/16/2024

ANALYTE NAME

INORGANIC PHYSICAL PARAMETERS

Conductivity SM2510B	pH SM4500H+B
Turbidity EPA 180.1	

INORGANIC MINERALS PARAMETERS

Alkalinity as CaCO3 SM2320B	Chloride EPA 300.0
Chloride SM 4500-Cl ⁻ E	Fluoride EPA 300.0
Silica as SiO2 SM4500SiO2 D	Sulfate EPA 300.0
Sulfate SM4500SO4 E	Sulfide SM 4500-S2 D
Total Hardness SM2340B	

INORGANIC NUTRIENT PARAMETERS

Ammonia as N EPA 350.1	Ammonia as N SM 4500-NH3 D
Kjeldahl Nitrogen, Total EPA 351.2	Kjeldahl Nitrogen, Total SM 4500-NH3 D
Nitrate as N EPA 353.2	Nitrite as N EPA 353.2
Orthophosphate as P EPA 365.1	Orthophosphate as P EPA 365.3
Phosphorus, Total EPA 365.1	Phosphorus, Total EPA 365.3

METALS

Aluminum EPA 200.7	Aluminum EPA 200.8
Aluminum SW-846 6010D	Aluminum SW-846 6020B
Antimony EPA 200.7	Antimony EPA 200.8
Antimony SM3113B	Antimony SW-846 6010D
Antimony SW-846 6020B	Arsenic EPA 200.7
Arsenic EPA 200.8	Arsenic SM3113B
Arsenic SW-846 6010D	Arsenic SW-846 6020B
Arsenic SW-846 7010	Barium EPA 200.7
Barium EPA 200.8	Barium SW-846 6010D
Barium SW-846 6020B	Beryllium EPA 200.7
Beryllium EPA 200.8	Beryllium SW-846 6010D
Beryllium SW-846 6020B	Boron EPA 200.7
Boron EPA 200.8	Boron SW-846 6010D
Cadmium EPA 200.7	Cadmium EPA 200.8
Cadmium SW-846 6010D	Cadmium SW-846 6020B
Calcium EPA 200.7	Calcium EPA 200.8
Calcium SW-846 6010D	Calcium SW-846 6020B
Chromium EPA 200.7	Chromium EPA 200.8
Chromium SW-846 6010D	Chromium SW-846 6020B

Cobalt EPA 200.7	Cobalt EPA 200.8
Cobalt SW-846 6010D	Cobalt SW-846 6020B
Copper EPA 200.7	Copper EPA 200.8
Copper SW-846 6010D	Copper SW-846 6020B
Iron EPA 200.7	Iron EPA 200.8
Iron SW-846 6010D	Lead EPA 200.7
Lead EPA 200.8	Lead SM3113B
Lead SW-846 6010D	Lead SW-846 6020B
Magnesium EPA 200.7	Magnesium EPA 200.8
Magnesium SW-846 6010D	Magnesium SW-846 6020B
Manganese EPA 200.7	Manganese EPA 200.8
Manganese SW-846 6010D	Manganese SW-846 6020B
Mercury EPA 245.1	Mercury SW-846 7470A
Molybdenum EPA 200.7	Molybdenum EPA 200.8
Molybdenum SW-846 6010D	Nickel EPA 200.7
Nickel EPA 200.8	Nickel SW-846 6010D
Nickel SW-846 6020B	Potassium EPA 200.7
Potassium EPA 200.8	Potassium SW-846 6010D
Potassium SW-846 6020B	Selenium EPA 200.7
Selenium EPA 200.8	Selenium SM3113B
Selenium SW-846 6010D	Selenium SW-846 6020B
Selenium SW-846 7010	Silver EPA 200.7
Silver SW-846 6010D	Sodium EPA 200.7
Sodium EPA 200.8	Sodium SW-846 6010D
Sodium SW-846 6020B	Strontium EPA 200.7
Strontium SW-846 6010D	Thallium EPA 200.7
Thallium EPA 200.8	Thallium SW-846 6010D
Thallium SW-846 6020B	Tin EPA 200.7
Tin SW-846 6010D	Titanium EPA 200.7
Titanium SW-846 6010D	Vanadium EPA 200.7
Vanadium EPA 200.8	Vanadium SW-846 6010D
Zinc EPA 200.7	Zinc EPA 200.8
Zinc SW-846 6010D	Zinc SW-846 6020B

INORGANIC SOLIDS

Total Dissolved Solids (TDS) SM2540 C	
Total Solids (TS) SM2540B	Total Suspended Solids (TSS) SM2540D
Volatile Solids EPA 160.4	Volatile Solids SM2540 E

INORGANIC DEMANDS

Biochemical Oxygen Demand SM 5210B	
Carbonaceous BOD, CBOD SM 5210B	Chemical Oxygen Demand EPA 410.4

Chemical Oxygen Demand SM 5220D

Total Organic Carbon SM5310 B

Total Organic Carbon SW-846 9060A

INORGANIC MISCELLANEOUS PARAMETERS

Cyanide, Total SM4500CN E

Formaldehyde SW-846 8315A

Hexavalent Chromium SM 3500-Cr B

Phenolics, Total EPA 420.1

Surfactants - MBAS SM5540C

DISINFECTANT RESIDUALS

Chlorine SM4500Cl D

Chlorine SM4500Cl G

INORGANIC DISINFECTION BY-PRODUCTS

Bromide EPA 300.0

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane EPA 624.1

1,1,1,2-Tetrachloroethane SW-846 8260D

1,1,1-Trichloroethane EPA 624.1

1,1,1-Trichloroethane SW-846 8260D

1,1,2,2-Tetrachloroethane EPA 624.1

1,1,2,2-Tetrachloroethane SW-846 8260D

1,1,2-Trichloroethane EPA 624.1

1,1,2-Trichloroethane SW-846 8260D

1,1-Dichloroethane EPA 624.1

1,1-Dichloroethane SW-846 8260D

1,1-Dichloroethene EPA 624.1

1,1-Dichloroethene SW-846 8260D

1,2,4-Trimethylbenzene EPA 624.1

1,2,4-Trimethylbenzene SW-846 8260D

1,2-Dibromo-3-chloropropane SW-846 8260D

1,2-Dibromoethane (EDB) SW-846 8260D

1,2-Dichlorobenzene EPA 624.1

1,2-Dichlorobenzene SW-846 8260D

1,2-Dichloroethane EPA 624.1

1,2-Dichloroethane SW-846 8260D

1,2-Dichloropropane EPA 624.1

1,2-Dichloropropane SW-846 8260D

1,3,5-Trimethylbenzene EPA 624.1

1,3,5-Trimethylbenzene SW-846 8260D

1,3-Dichlorobenzene EPA 624.1

1,3-Dichlorobenzene SW-846 8260D

1,4-Dichlorobenzene EPA 624.1

1,4-Dichlorobenzene SW-846 8260D

1,4-Dioxane SW-846 8270E

2-Butanone SW-846 8260D

2-Chlorotoluene EPA 624.1

2-Chlorotoluene SW-846 8260D

2-Hexanone EPA 624.1

2-Hexanone SW-846 8260D

4-Chlorotoluene EPA 624.1

4-Chlorotoluene SW-846 8260D

4-Methyl-2-pentanone (MIBK) EPA 624.1

4-Methyl-2-pentanone (MIBK) SW-846 8260D

Acetone EPA 624.1

Acetone SW-846 8260D

Acrolein EPA 624.1

Acrolein SW-846 8260D

Acrylonitrile EPA 624.1

Acrylonitrile SW-846 8260D

Benzene EPA 624.1

Benzene SW-846 8260D

Bromodichloromethane EPA 624.1

Bromodichloromethane SW-846 8260D

Bromoform EPA 624.1

Bromoform SW-846 8260D

Bromomethane EPA 624.1

Bromomethane SW-846 8260D

Carbon Disulfide EPA 624.1

Carbon Disulfide SW-846 8260D	Carbon Tetrachloride EPA 624.1
Carbon Tetrachloride SW-846 8260D	Chlorobenzene EPA 624.1
Chlorobenzene SW-846 8260D	Chloroethane EPA 624.1
Chloroethane SW-846 8260D	Chloroform EPA 624.1
Chloroform SW-846 8260D	Chloromethane EPA 624.1
Chloromethane SW-846 8260D	cis-1,2-Dichloroethene EPA 624.1
cis-1,2-Dichloroethene SW-846 8260D	cis-1,3-Dichloropropene EPA 624.1
cis-1,3-Dichloropropene SW-846 8260D	Dibromochloromethane EPA 624.1
Dibromochloromethane SW-846 8260D	Ethyl Benzene EPA 624.1
Ethyl Benzene SW-846 8260D	Isopropylbenzene EPA 624.1
Isopropylbenzene SW-846 8260D	Methyl-tert-butylether (MTBE) EPA 624.1
Methylene Chloride SW-846 8260D	n-Butylbenzene EPA 624.1
Methyl-tert-butylether (MTBE) SW-846 8260D	Methylene Chloride EPA 624.1
n-Butylbenzene SW-846 8260D	n-Propylbenzene EPA 624.1
n-Propylbenzene SW-846 8260D	p-Isopropyltoluene EPA 624.1
p-Isopropyltoluene SW-846 8260D	sec-Butylbenzene EPA 624.1
sec-Butylbenzene SW-846 8260D	Styrene EPA 624.1
Styrene SW-846 8260D	tert-Butylbenzene EPA 624.1
tert-Butylbenzene SW-846 8260D	Tetrachloroethene EPA 624.1
Tetrachloroethene SW-846 8260D	Toluene EPA 624.1
Toluene SW-846 8260D	trans-1,2-Dichloroethene EPA 624.1
trans-1,2-Dichloroethene SW-846 8260D	trans-1,3-Dichloropropene EPA 624.1
trans-1,3-Dichloropropene SW-846 8260D	Trichloroethene EPA 624.1
Trichloroethene SW-846 8260D	Trichlorofluoromethene EPA 624.1
Trichlorofluoromethene SW-846 8260D	Trichlorotrifluoroethane (Freon113) SW-846 8260D
Vinyl Chloride EPA 624.1	Vinyl Chloride SW-846 8260D
Xylenes, Total EPA 624.1	Xylenes, Total SW-846 8260D

PESTICIDES

4,4-DDD' SW-846 8081B	4,4-DDE' EPA 608.3
4,4'-DDE' SW-846 8081B	4,4'-DDT' EPA 608.3
4,4'-DDT' SW-846 8081B	4,4-DDD' EPA 608.3
Aldrin EPA 608.3	Aldrin SW-846 8081B
alpha-BHC EPA 608.3	alpha-BHC SW-846 8081B
alpha-Chlordane SW-846 8081B	beta-BHC EPA 608.3
beta-BHC SW-846 8081B	Chlordane, Technical EPA 608.3
Chlordane, Technical SW-846 8081B	delta-BHC EPA 608.3
delta-BHC SW-846 8081B	Dieldrin EPA 608.3
Dieldrin SW-846 8081B	Endosulfan I EPA 608.3
Endosulfan I SW-846 8081B	Endosulfan II EPA 608.3
Endosulfan II SW-846 8081B	Endosulfan Sulfate EPA 608.3

Endosulfan Sulfate SW-846 8081B	Endrin Aldehyde EPA 608.3
Endrin Aldehyde SW-846 8081B	Endrin EPA 608.3
Endrin Ketone SW-846 8081B	Endrin SW-846 8081B
gamma-BHC (Lindane) EPA 608.3	gamma-BHC (Lindane) SW-846 8081B
gamma-Chlordane SW-846 8081B	Heptachlor EPA 608.3
Heptachlor Epoxide EPA 608.3	Heptachlor Epoxide SW-846 8081B
Heptachlor SW-846 8081B	Methoxychlor EPA 608.3
Methoxychlor SW-846 8081B	Toxaphene EPA 608.3
Toxaphene SW-846 8081B	

SOLVENTS

CT Extractable Petroleum Hydrocarbons (ETPH)	
MA Extractable Petroleum Hydrocarbons (EPH)	MA Volatile Petroleum Hydrocarbons (VPH)
Oil and Grease EPA 1664A	

POLYCHLORINATED BIPHENYLS

PCB-1016 EPA 608.3	
PCB-1016 SW-846 8082A	PCB-1221 EPA 608.3
PCB-1221 SW-846 8082A	PCB-1232 EPA 608.3
PCB-1232 SW-846 8082A	PCB-1242 EPA 608.3
PCB-1242 SW-846 8082A	PCB-1248 EPA 608.3
PCB-1248 SW-846 8082A	PCB-1254 EPA 608.3
PCB-1254 SW-846 8082A	PCB-1260 EPA 608.3
PCB-1260 SW-846 8082A	

HERBICIDES

2,4,5-T SW-846 8151A	
2,4,5-TP SW-846 8151A	2,4-D SW-846 8151A
2,4-DB SW-846 8151A	Dalapon SW-846 8151A
Dicamba SW-846 8151A	Dichlorprop SW-846 8151A
Dinoseb SW-846 8151A	MCPA SW-846 8151A
MCPP SW-846 8151A	

SEMIVOLATILES

1,2,4-Trichlorobenzene EPA 625.1	
1,2,4-Trichlorobenzene SW-846 8270E	1-Chloronaphthalene EPA 625.1
1-Chloronaphthalene SW-846 8270E	2,4,5-Trichlorophenol EPA 625.1
2,4,5-Trichlorophenol SW-846 8270E	2,4,6-Trichlorophenol EPA 625.1
2,4,6-Trichlorophenol SW-846 8270E	2,4-Dichlorophenol EPA 625.1
2,4-Dichlorophenol SW-846 8270E	2,4-Dimethylphenol EPA 625.1
2,4-Dimethylphenol SW-846 8270E	2,4-Dinitrophenol EPA 625.1
2,4-Dinitrophenol SW-846 8270E	2,4-Dinitrotoluene EPA 625.1
2,4-Dinitrotoluene SW-846 8270E	2,6-Dichlorophenol EPA 625.1

2,6-Dichlorophenol SW-846 8270E	2,6-Dinitrotoluene EPA 625.1
2,6-Dinitrotoluene SW-846 8270E	2-Chloronaphthalene EPA 625.1
2-Chloronaphthalene SW-846 8270E	2-Chlorophenol EPA 625.1
2-Chlorophenol SW-846 8270E	2-Methyl-4,6-dinitrophenol EPA 625.1
2-Methyl-4,6-dinitrophenol SW-846 8270E	2-Methylnaphthalene EPA 625.1
2-Methylnaphthalene SW-846 8270E	2-Methylnaphthalene SW-846 8270E SIM
2-Methylphenol EPA 625.1	2-Methylphenol SW-846 8270E
2-Nitroaniline EPA 625.1	2-Nitroaniline SW-846 8270E
2-Nitrophenol EPA 625.1	2-Nitrophenol SW-846 8270E
3&4-Methylphenol EPA 625.1	3&4-Methylphenol SW-846 8270E
3,3'-Dichlorobenzidine EPA 625.1	3,3'-Dichlorobenzidine SW-846 8270E
3-Nitroaniline EPA 625.1	3-Nitroaniline SW-846 8270E
4-Bromophenyl phenyl ether EPA 625.1	4-Bromophenyl phenyl ether SW-846 8270E
4-Chloro-3-methylphenol EPA 625.1	4-Chloro-3-methylphenol SW-846 8270E
4-Chloroaniline EPA 625.1	4-Chloroaniline SW-846 8270E
4-Chlorophenyl phenyl ether EPA 625.1	4-Chlorophenyl phenyl ether SW-846 8270E
4-Nitroaniline EPA 625.1	4-Nitroaniline SW-846 8270E
4-Nitrophenol EPA 625.1	4-Nitrophenol SW-846 8270E
Acenaphthene EPA 625.1	Acenaphthene SW-846 8270E
Acenaphthene SW-846 8270E SIM	Acenaphthylene EPA 625.1
Acenaphthylene SW-846 8270E	Acenaphthylene SW-846 8270E SIM
Anthracene EPA 625.1	Anthracene SW-846 8270E
Anthracene SW-846 8270E SIM	Atrazine SW-846 8270E
Benzidine EPA 625.1	Benzidine SW-846 8270E
Benzo(a)anthracene EPA 625.1	Benzo(a)anthracene SW-846 8270E
Benzo(a)anthracene SW-846 8270E SIM	Benzo(a)pyrene EPA 625.1
Benzo(a)pyrene SW-846 8270E	Benzo(a)pyrene SW-846 8270E SIM
Benzo(b)fluoranthene EPA 625.1	Benzo(b)fluoranthene SW-846 8270E
Benzo(b)fluoranthene SW-846 8270E SIM	Benzo(ghi)perylene EPA 625.1
Benzo(ghi)perylene SW-846 8270E	Benzo(ghi)perylene SW-846 8270E SIM
Benzo(k)fluoranthene EPA 625.1	Benzo(k)fluoranthene SW-846 8270E
Benzo(k)fluoranthene SW-846 8270E SIM	Benzyl butyl phthalate EPA 625.1
Benzyl butyl phthalate SW-846 8270E	bis(2-Chloroethoxy)methane EPA 625.1
bis(2-Chloroethoxy)methane SW-846 8270E	bis(2-chloroethyl) ether EPA 625.1
bis(2-chloroethyl) ether SW-846 8270E	bis(2-Chloroisopropyl) ether (2,2'-Oxybis[1-chloropropane]) EPA 625.1
bis(2-Chloroisopropyl) ether (2,2'-Oxybis[1-chloropropane]) SW-846 8270E	bis(2-Ethylhexyl)phthalate EPA 625.1
bis(2-Ethylhexyl)phthalate SW-846 8270E	Carbazole EPA 625.1
Carbazole SW-846 8270E	Chrysene EPA 625.1
Chrysene SW-846 8270E	Chrysene SW-846 8270E SIM

Dibenz(a,h)anthracene EPA 625.1	Dibenz(a,h)anthracene SW-846 8270E
Dibenz(a,h)anthracene SW-846 8270E SIM	Dibenzofuran EPA 625.1
Dibenzofuran SW-846 8270E	Dibenzofuran SW-846 8270E SIM
Diethyl phthalate EPA 625.1	Diethyl phthalate SW-846 8270E
Dimethyl phthalate EPA 625.1	Dimethyl phthalate SW-846 8270E
Di-n-butyl phthalate EPA 625.1	Di-n-butyl phthalate SW-846 8270E
Di-n-octyl phthalate EPA 625.1	Di-n-octyl phthalate SW-846 8270E
Fluoranthene EPA 625.1	Fluoranthene SW-846 8270E
Fluoranthene SW-846 8270E SIM	Hexachlorobenzene EPA 625.1
Hexachlorobenzene SW-846 8270E	Hexachlorobutadiene EPA 625.1
Hexachlorobutadiene SW-846 8270E	Hexachlorocyclopentadiene EPA 625.1
Hexachlorocyclopentadiene SW-846 8270E	Hexachloroethane EPA 625.1
Hexachloroethane SW-846 8270E	Indeno(1,2,3-cd)pyrene EPA 625.1
Indeno(1,2,3-cd)pyrene SW-846 8270E	Indeno(1,2,3-cd)pyrene SW-846 8270E SIM
Isophorone EPA 625.1	Isophorone SW-846 8270E
Naphthalene EPA 625.1	Naphthalene SW-846 8270E
Naphthalene SW-846 8270E SIM	Nitrobenzene EPA 625.1
Nitrobenzene SW-846 8270E	Pentachlorophenol EPA 625.1
N-nitrosodimethylamine EPA 625.1	N-nitrosodimethylamine SW-846 8270E
N-Nitrosodi-n-propylamine EPA 625.1	N-Nitrosodi-n-propylamine SW-846 8270E
N-nitrosodiphenylamine EPA 625.1	N-nitrosodiphenylamine SW-846 8270E
Pentachlorophenol SW-846 8270E	Phenanthrene EPA 625.1
Phenanthrene SW-846 8270E	Phenanthrene SW-846 8270E SIM
Phenol EPA 625.1	Phenol SW-846 8270E
Pyrene EPA 625.1	Pyrene SW-846 8270E
Pyrene SW-846 8270E SIM	Pyridine EPA 625.1
Pyridine SW-846 8270E	

SOLID WASTE/SOIL (RCRA)

STATUS REPORTED ON 8/16/2024

ANALYTE NAME

INORGANIC PHYSICAL PARAMETERS

pH SW-846 9045D

METALS

Aluminum SW-846 6010D	Aluminum SW-846 6020B
Antimony SW-846 6010D	Antimony SW-846 6020B
Arsenic SW-846 6010D	Arsenic SW-846 6020B
Arsenic SW-846 7010	Barium SW-846 6010D
Barium SW-846 6020B	Beryllium SW-846 6010D
Beryllium SW-846 6020B	Boron SW-846 6010D
Cadmium SW-846 6010D	Cadmium SW-846 6020B
Calcium SW-846 6010D	Calcium SW-846 6020B
Chromium SW-846 6010D	Chromium SW-846 6020B
Cobalt SW-846 6010D	Cobalt SW-846 6020B
Copper SW-846 6010D	Copper SW-846 6020B
Iron SW-846 6010D	Lead SW-846 6010D
Lead SW-846 6020B	Magnesium SW-846 6010D
Magnesium SW-846 6020B	Manganese SW-846 6010D
Manganese SW-846 6020B	Mercury SW-846 7471B
Molybdenum SW-846 6010D	Nickel SW-846 6010D
Nickel SW-846 6020B	Potassium SW-846 6010D
Potassium SW-846 6020B	Selenium SW-846 6010D
Selenium SW-846 6020B	Selenium SW-846 7010
Silver SW-846 6010D	Silver SW-846 6020B
Sodium SW-846 6010D	Sodium SW-846 6020B
Strontium SW-846 6010D	Thallium SW-846 6010D
Thallium SW-846 6020B	Tin SW-846 6010D
Titanium SW-846 6010D	Vanadium SW-846 6010D
Vanadium SW-846 6020B	Zinc SW-846 6010D
Zinc SW-846 6020B	

INORGANIC MISCELLANEOUS PARAMETERS

Cyanide, Total SW-846 9014	Hexavalent Chromium SW-846 7196A
Reactive Cyanide & Sulfide	Synthetic Precipitation Leaching Procedure (SPLP) SW-846 1312
Toxicity Characteristic Leaching Procedure (TCLP) SW-846 1311	

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane SW-846 8260D	
1,1,1-Trichloroethane SW-846 8260D	1,1,2,2-Tetrachloroethane SW-846 8260D
1,1,2-Trichloroethane SW-846 8260D	1,1-Dichloroethane SW-846 8260D
1,1-Dichloroethene SW-846 8260D	1,2,4-Trimethylbenzene SW-846 8260D
1,2-Dibromo-3-chloropropane SW-846 8260D	1,2-Dibromoethane (EDB) SW-846 8260D
1,2-Dichlorobenzene SW-846 8260D	1,2-Dichloroethane SW-846 8260D
1,2-Dichloropropane SW-846 8260D	1,3,5-Trimethylbenzene SW-846 8260D
1,3-Dichlorobenzene SW-846 8260D	1,4-Dichlorobenzene SW-846 8260D
2-Butanone SW-846 8260D	2-Chlorotoluene SW-846 8260D
2-Hexanone SW-846 8260D	4-Chlorotoluene SW-846 8260D
4-Methyl-2-pentanone (MIBK) SW-846 8260D	Acetone SW-846 8260D
Acrolein SW-846 8260D	Acrylonitrile SW-846 8260D
Benzene SW-846 8260D	Bromodichloromethane SW-846 8260D
Bromoform SW-846 8260D	Bromomethane SW-846 8260D
Carbon Disulfide SW-846 8260D	Carbon Tetrachloride SW-846 8260D
Chlorobenzene SW-846 8260D	Chloroethane SW-846 8260D
Chloroform SW-846 8260D	Chloromethane SW-846 8260D
cis-1,2-Dichloroethene SW-846 8260D	cis-1,3-Dichloropropene SW-846 8260D
Dibromochloromethane SW-846 8260D	Ethyl Benzene SW-846 8260D
Isopropylbenzene SW-846 8260D	Methyl-tert-butylether (MTBE) SW-846 8260D
Methylene Chloride SW-846 8260D	n-Butylbenzene SW-846 8260D
n-Propylbenzene SW-846 8260D	p-Isopropyltoluene SW-846 8260D
sec-Butylbenzene SW-846 8260D	Styrene SW-846 8260D
tert-Butylbenzene SW-846 8260D	Tetrachloroethene SW-846 8260D
Toluene SW-846 8260D	trans-1,2-Dichloroethene SW-846 8260D
trans-1,3-Dichloropropene SW-846 8260D	Trichloroethene SW-846 8260D
Trichlorofluoromethene SW-846 8260D	Trichlorotrifluoroethane (Freon113) SW-846 8260D
Vinyl Chloride SW-846 8260D	Xylenes, Total SW-846 8260D

PESTICIDES

4,4'-DDE' SW-846 8081B	
4,4'-DDT' SW-846 8081B	4,4-DDD' SW-846 8081B
Aldrin SW-846 8081B	alpha-BHC SW-846 8081B
alpha-Chlordane SW-846 8081B	beta-BHC SW-846 8081B
Chlordane, Technical SW-846 8081B	delta-BHC SW-846 8081B
Dieldrin SW-846 8081B	Endosulfan I SW-846 8081B
Endosulfan II SW-846 8081B	Endosulfan Sulfate SW-846 8081B
Endrin Aldehyde SW-846 8081B	Endrin Ketone SW-846 8081B
Endrin SW-846 8081B	gamma-BHC (Lindane) SW-846 8081B
gamma-Chlordane SW-846 8081B	Heptachlor Epoxide SW-846 8081B

Heptachlor SW-846 8081B

Methoxychlor SW-846 8081B

Toxaphene SW-846 8081B

SOLVENTS

CT Extractable Petroleum Hydrocarbons (ETPH)

MA Extractable Petroleum Hydrocarbons (EPH)

MA Volatile Petroleum Hydrocarbons (VPH)

POLYCHLORINATED BIPHENYLS

PCB-1016 SW-846 8082A

PCB-1221 SW-846 8082A

PCB-1232 SW-846 8082A

PCB-1242 SW-846 8082A

PCB-1248 SW-846 8082A

PCB-1254 SW-846 8082A

PCB-1260 SW-846 8082A

HERBICIDES

2,4,5-T SW-846 8151A

2,4,5-TP SW-846 8151A

2,4-D SW-846 8151A

2,4-DB SW-846 8151A

Dalapon SW-846 8151A

Dicamba SW-846 8151A

Dichlorprop SW-846 8151A

Dinoseb SW-846 8151A

MCPA SW-846 8151A

MCPA SW-846 8151A

SEMIVOLATILES

1,2,4-Trichlorobenzene SW-846 8270E

1-Chloronaphthalene SW-846 8270E

2,4,5-Trichlorophenol SW-846 8270E

2,4,6-Trichlorophenol SW-846 8270E

2,4-Dichlorophenol SW-846 8270E

2,4-Dimethylphenol SW-846 8270E

2,4-Dinitrophenol SW-846 8270E

2,4-Dinitrotoluene SW-846 8270E

2,6-Dichlorophenol SW-846 8270E

2,6-Dinitrotoluene SW-846 8270E

2-Chloronaphthalene SW-846 8270E

2-Chlorophenol SW-846 8270E

2-Methyl-4,6-dinitrophenol SW-846 8270E

2-Methylnaphthalene SW-846 8270E

2-Methylnaphthalene SW-846 8270E SIM

2-Methylphenol SW-846 8270E

2-Nitroaniline SW-846 8270E

2-Nitrophenol SW-846 8270E

3&4-Methylphenol SW-846 8270E

3,3'-Dichlorobenzidine SW-846 8270E

3-Nitroaniline SW-846 8270E

4-Bromophenyl phenyl ether SW-846 8270E

4-Chloro-3-methylphenol SW-846 8270E

4-Chloroaniline SW-846 8270E

4-Chlorophenyl phenyl ether SW-846 8270E

4-Nitroaniline SW-846 8270E

4-Nitrophenol SW-846 8270E

Acenaphthene SW-846 8270E

Acenaphthene SW-846 8270E SIM

Acenaphthylene SW-846 8270E

Acenaphthylene SW-846 8270E SIM

Anthracene SW-846 8270E SIM

Atrazine SW-846 8270E

Benzidine SW-846 8270E

Benzo(a)anthracene SW-846 8270E

Benzo(a)anthracene SW-846 8270E SIM

Benzo(a)pyrene SW-846 8270E

Benzo(a)pyrene SW-846 8270E SIM

Benzo(b)fluoranthene SW-846 8270E

Benzo(b)fluoranthene SW-846 8270E SIM

Benzo(ghi)perylene SW-846 8270E

Benzo(ghi)perylene SW-846 8270E SIM

Benzo(k)fluoranthene SW-846 8270E

Benzo(k)fluoranthene SW-846 8270E SIM

Benzyl butyl phthalate SW-846 8270E	bis(2-Chloroethoxy)methane SW-846 8270E
bis(2-chloroethyl) ether SW-846 8270E	bis(2-Chloroisopropyl) ether (2,2'-Oxybis[1-chloropropane]) SW-846 8270E
bis(2-Ethylhexyl)phthalate SW-846 8270E	Carbazole SW-846 8270E
Chrysene SW-846 8270E	Chrysene SW-846 8270E SIM
Dibenz(a,h)anthracene SW-846 8270E	Dibenz(a,h)anthracene SW-846 8270E SIM
Dibenzofuran SW-846 8270E	Dibenzofuran SW-846 8270E SIM
Diethyl phthalate SW-846 8270E	Dimethyl phthalate SW-846 8270E
Di-n-butyl phthalate SW-846 8270E	Di-n-octyl phthalate SW-846 8270E
Fluoranthene SW-846 8270E	Fluoranthene SW-846 8270E SIM
Hexachlorobenzene SW-846 8270E	Hexachlorobutadiene SW-846 8270E
Hexachlorocyclopentadiene SW-846 8270E	Hexachloroethane SW-846 8270E
Indeno(1,2,3-cd)pyrene SW-846 8270E	Indeno(1,2,3-cd)pyrene SW-846 8270E SIM
Isophorone SW-846 8270E	N-Nitrosodi-n-propylamine SW-846 8270E
Naphthalene SW-846 8270E	Naphthalene SW-846 8270E SIM
Nitrobenzene SW-846 8270E	Pentachlorophenol SW-846 8270E
N-nitrosodimethylamine SW-846 8270E	N-nitrosodiphenylamine SW-846 8270E
Phenanthrene SW-846 8270E	Phenanthrene SW-846 8270E SIM
Phenol SW-846 8270E	Pyrene SW-846 8270E
Pyrene SW-846 8270E SIM	Pyridine SW-846 8270E

Report Profile: Lab Name : ESS Laboratory - Div. Thielsch Engineering
Test Name : *
Matrix Name : *
Matrix Selection = ALL OR SOME MATRICES SELECTED
Certifications approved or provisional on 8/16/2024

THIS IS THE LAST PAGE OF THE REPORT