

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:

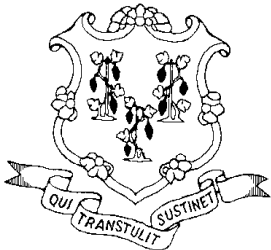
DRINKING WATER, NON-POTABLE WATER/WASTEWATER, SOIL/SOLID WASTE
Examination For
INORGANIC CHEMICALS
ORGANIC CHEMICALS

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

EFFECTIVE RENEWAL DATE October 1, 2020

THIS CERTIFICATE EXPIRES September 30, 2022 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 8th DAY OF March, 2021



Registration No.
PH-0750

Lori J. Mathieu
Public Health Branch Chief
Environmental Health & Drinking Water Branch



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH
FACILITY LICENSING & INVESTIGATIONS SECTION



ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM CERTIFIED ANALYTES REPORT FOR ALL MATRICES

ESS Laboratory - Div. Thielsch Engineering

185 FRANCES AVENUE
CRANSTON, RI 02910

CT REGISTRATION NUMBER :

REGISTERED OWNER / AUTHORIZED AGENT : **Laurel A. Stoddard**

DIRECTOR : **Laurel A. Stoddard**

CO DIRECTOR(S) :

PHONE : (401) 461-7181

LABORATORY REGISTRATION EFFECTIVE DATE :

LABORATORY REGISTRATION EXPIRATION DATE :

LABORATORY STATUS :

APPROVED BY *Lori J. Mathieu '21*
Lori J Mathieu
Public Health Branch Chief
Environmental Health & Drinking Water Branch

REVIEWED BY *Dawn E. Shaban* 3/8/2021 11:17:10 AM
Dawn Shaban
Laboratory Consultant/Certification Officer

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

DRINKING WATER (SDWA)

STATUS REPORTED ON 3/8/2021

ANALYTE NAME

PHYSICALS

CONDUCTIVITY	pH
TURBIDITY	

MINERALS

CHLORIDE	CHLORINE, TOTAL & FREE RESIDUAL
FLUORIDE	HARDNESS, CALCIUM
HARDNESS, TOTAL	SULFATE

NUTRIENTS

NITRATE	
NITRITE	O-PHOSPHATE

METALS

ALUMINUM	
ANTIMONY	ARSENIC
BARIUM	BERYLLIUM
BORON	CADMIUM
CALCIUM	CHROMIUM
COBALT	COPPER
IRON	LEAD
MAGNESIUM	MANGANESE
MERCURY	MOLYBDENUM
NICKEL	POTASSIUM
SELENIUM	SILVER
SODIUM	THALLIUM
VANADIUM	ZINC

RESIDUE

TOTAL DISSOLVED SOLIDS

DEMANDS

TOTAL ORGANIC CARBON

MISCELLANEOUS

CYANIDE (TOTAL)

ORGANIC DISINFECTION BY-PRODUCTS

BROMOACETIC ACID	BROMOCHLOROACETIC ACID
CHLOROACETIC ACID	DIBROMOACETIC ACID
DICHLOROACETIC ACID	TRICHLOROACETIC ACID

VOLATILE ORGANICS

1,2-DIBROMO-3-CHLOROPROPANE 504.1 (DBCP) (SOC)	1,4-DIOXANE (Mod 8270)
ETHYLENE DIBROMIDE 504.1 (EDB) (SOC)	TOTAL TRIHALOMETHANES 524.2 (SOC)
VINYL CHLORIDE - 524.2	VOLATILE ORGANICS - 524.2 (SOCs)

NON-POTABLE WATER/ WASTEWATER (CWA)

STATUS REPORTED ON 3/8/2021

ANALYTE NAME

PHYSICALS

CONDUCTIVITY	pH
TURBIDITY	

MINERALS

ALKALINITY	
CHLORIDE	CHLORINE, TOTAL RESIDUAL
FLUORIDE	HARDNESS, TOTAL
SILICA	SULFATE
SULFIDE	

NUTRIENTS

AMMONIA	
KJELDAHL NITROGEN	NITRATE
NITRITE	O-PHOSPHATE
TOTAL PHOSPHOROUS	

METALS

ALUMINUM	
ANTIMONY	ARSENIC
BARIUM	BERYLLIUM
BORON	CADMIUM
CALCIUM	CHROMIUM
CHROMIUM - Hexavalent	COBALT
COPPER	IRON
LEAD	MAGNESIUM
MANGANESE	MERCURY
MOLYBDENUM	NICKEL
POTASSIUM	SELENIUM
SILVER	SODIUM
STRONTIUM	THALLIUM
TITANIUM	VANADIUM
ZINC	

RESIDUE

TOTAL DISSOLVED SOLIDS	
TOTAL RESIDUE (SOLIDS)	TOTAL SUSPENDED SOLIDS
TOTAL VOLATILE RESIDUE	

DEMANDS

BOD	CARBONACEOUS BOD
COD	TOTAL ORGANIC CARBON

MISCELLANEOUS

CYANIDE (TOTAL)	
FOAMING AGENTS (MBAS)	FORMALDEHYDE
PHENOLICS	

INORGANIC DISINFECTION BY-PRODUCTS

BROMIDE

VOLATILE ORGANICS

1,4-DIOXANE (Mod 8270)
VOLATILE ORGANICS - 624.1

PESTICIDES/ PCB'S

CHLORDANE (TECHNICAL)	
ORGANOCHLORINE PESTICIDES - 608.3	PCB IN OIL
PCBs - 608.3	TOXAPHENE

SOLVENTS

CT Extractable Petroleum Hydrocarbons (ETPH)	MA Extractable Petroleum Hydrocarbons (EPH)
MA Volatile Petroleum Hydrocarbons (VPH)	OIL & GREASE

HERBICIDES

2,4,5-T	2,4,5-TP (SILVEX)
2,4-D	2,4-DB
DALAPON	DICAMBA
DICHLOROPROP	DINOSEB
MCPA	MCPP

TRIAZINE PESTICIDES

ATRAZINE

ORGANICS

ACID EXTRACTABLES (PHENOLS)	
BENZIDINES	CHLORINATED HYDROCARBONS
HALOETHERS	NITROAROMATICS & ISOPHORONE
NITROSAMINES	PHTHALATE ESTERS
POLYNUCLEAR AROMATIC HYDROCARBONS	

SEMIVOLATILES

SEMIVOLATILES - 625.1

SOLID WASTE/SOIL (RCRA)

STATUS REPORTED ON 3/8/2021

ANALYTE NAME

PHYSICALS

pH

MINERALS

SULFATE

METALS

ALUMINUM	ANTIMONY
ARSENIC	BARIUM
BERYLLIUM	BORON
CADMIUM	CALCIUM
CHROMIUM	CHROMIUM - Hexavalent
COBALT	COPPER
IRON	LEAD
MAGNESIUM	MANGANESE
MERCURY	MOLYBDENUM
NICKEL	POTASSIUM
SELENIUM	SILVER
SODIUM	STRONTIUM
THALLIUM	TITANIUM
VANADIUM	ZINC

DEMANDS

TOTAL ORGANIC CARBON

MISCELLANEOUS

CYANIDE (TOTAL)

IGNITABILITY

REACTIVITY

SPLP LEACH (1312)

TCLP LEACH (1311)

PESTICIDES/ PCB'S

CHLORDANE (TECHNICAL)

ORGANOCHLORINE PESTICIDES (Single Response)

PCB IN OIL

POLYCHLORINATED BIPHENYLS

TOXAPHENE

SOLVENTS

CT Extractable Petroleum Hydrocarbons (ETPH)

MA Extractable Petroleum Hydrocarbons (EPH)

MA Volatile Petroleum Hydrocarbons (VPH)

OIL & GREASE

HERBICIDES

2,4,5-T	2,4,5-TP (SILVEX)
2,4-D	2,4-DB
DALAPON	DICAMBA
DICHLOROPROP	DINOSEB
MCPA	MCPP

TRIAZINE PESTICIDES

ATRAZINE

RCRA (SW-846) ORGANICS

ACID EXTRACTABLES (PHENOLS) (SW 8270)	BENZIDINES (SW 8270)
CHLORINATED HYDROCARBONS (SW 8270)	HALOETHERS (SW 8270)
NITROAROMATICS & CYCLIC KETONES (SW 8270)	NITROSOAMINES (SW 8270)
PAH's (SW 8270)	PHTHALATES (SW 8270)
VOLATILE ORGANICS (SW 8260)	

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 3/8/2021

THIS IS THE LAST PAGE OF THE REPORT