

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 THOMAS LENT

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:

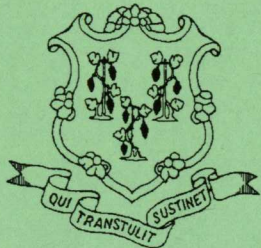
DRINKING WATER, NON-POTABLE WATER/WASTEWATER, SOIL/SOLID WASTE
Examination For
INORGANIC CHEMICALS
ORGANIC CHEMICALS

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

EFFECTIVE RENEWAL DATE October 1, 2018

THIS CERTIFICATE EXPIRES September 30, 2020 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 1st DAY OF October, 2018



Registration No.
PH-0750


SUZANNE BLANCAFLOR, MS. MPH
CHIEF, ENVIRONMENTAL HEALTH SECTION



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH 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 : Thomas Lent

DIRECTOR : Laurel A. Stoddard

CO DIRECTOR(S) :

PHONE : (401) 461-7181

LABORATORY REGISTRATION EFFECTIVE DATE :

LABORATORY REGISTRATION EXPIRATION DATE :

LABORATORY STATUS :

APPROVED BY

SUZANNE BLANCAFLOR, MS, MPH
CHIEF, ENVIRONMENTAL HEALTH SECTION

REVIEWED BY

9/28/2018 12:12:48 PM

DERMOT JONES

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

DRINKING WATER (SDWA)

STATUS REPORTED ON 9/28/2018

ANALYTE NAME

PHYSICALS

CONDUCTIVITY

pH

TURBIDITY

MINERALS

CHLORIDE

CHLORINE, TOTAL & FREE RESIDUAL

FLUORIDE

HARDNESS, CALCIUM

HARDNESS, TOTAL

SULFATE

NUTRIENTS

NITRATE

NITRITE

O-PHOSPHATE

METALS

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 9/28/2018

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 |

DEMANDS

BOD

CARBONACEOUS BOD

COD

TOTAL ORGANIC CARBON

MISCELLANEOUS

CYANIDE (TOTAL)

PHENOLICS

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 9/28/2018

ANALYTE NAME

PHYSICALS

pH

MINERALS

SULFATE

METALS

ALUMINUM

ANTIMONY

BARIUM

BORON

CALCIUM

CHROMIUM - Hexavalent

COPPER

LEAD

MANGANESE

MOLYBDENUM

POTASSIUM

SILVER

STRONTIUM

TITANIUM

ZINC

ARSENIC

BERYLLIUM

CADMIUM

CHROMIUM

COBALT

IRON

MAGNESIUM

MERCURY

NICKEL

SELENIUM

SODIUM

THALLIUM

VANADIUM

DEMANDS

TOTAL ORGANIC CARBON

MISCELLANEOUS

CYANIDE (TOTAL)

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 9/28/2018

THIS IS THE LAST PAGE OF THE REPORT