



STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
NELAP - RECOGNIZED
ENVIRONMENTAL LABORATORY ACCREDITATION

is hereby granted to

CT LABORATORIES, LLC

1230 LANGE CT.

BARABOO, WI 53913

NELAP ACCREDITED

ACCREDITATION NUMBER #200073



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: LA Department of Health & Hospitals

Celeste M. Crowley

Dave Reed

Celeste M. Crowley
 Acting Manager
 Environmental Laboratory Accreditation Program

Dave Reed
 Accreditation Officer
 Environmental Laboratory Accreditation Program

Certificate No.: 004512
 Expiration Date: 09/30/2019
 Issued On: 09/20/2018

**State of Illinois
Environmental Protection Agency**

Certificate No.: 004512

Awards the Certificate of Approval to:

CT Laboratories, LLC
1230 Lange Ct.
Baraboo, WI 53913

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.

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FOT Name: Non Potable Water, Inorganic

Method: SM2340B,1997

Matrix Type: NPW

Hardness

Method: SM2540B,1997

Matrix Type: NPW/SCM

Residue (Total)

Method: SM2540C,1997

Matrix Type: NPW

Residue (TDS)

Method: SM2540D,1997

Matrix Type: NPW

Residue (TSS)

Method: SM4110B,2000

Matrix Type: NPW

Bromide

Chloride

Fluoride

Nitrate

Nitrate-Nitrite (as N)

Nitrite

Orthophosphate

Sulfate

Method: SM4500H-B,2000

Matrix Type: NPW

Hydrogen Ion (pH)

Method: SM4500NH3-H,1997

Matrix Type: NPW/SCM

Ammonia

Method: SM4500S2-F,2000

Matrix Type: NPW

Sulfide

Method: SM5210B,2001

Matrix Type: NPW

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FOT Name: Non Potable Water, Inorganic

Method: SM5210B,2001

Matrix Type: NPW

Biochemical Oxygen Demand (BOD)

Method: SM5220D,1997

Matrix Type: NPW

Chemical Oxygen Demand (COD)

Method: SM5310B,2000

Matrix Type: NPW/SCM

Total Organic Carbon (TOC)

Method: USEPA160.4,1971

Matrix Type: NPW

Residue (Volatile)

Method: USEPA1664A

Matrix Type: NPW

Oil and Grease

Method: USEPA180.1R2.0,1993

Matrix Type: NPW

Turbidity

Method: USEPA200.7,1994

Matrix Type: NPW

Aluminum

Antimony

Arsenic

Barium

Beryllium

Boron

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

Lead

Magnesium

Manganese

Molybdenum

Nickel

Potassium

Selenium

Silver

Sodium

Thallium

Tin

Vanadium

Zinc

Method: USEPA200.9R2.2,1994

Matrix Type: NPW

Antimony

Arsenic

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FOT Name: Non Potable Water, Inorganic

Method: USEPA200.9R2.2,1994

Matrix Type: NPW

Lead

Selenium

Thallium

Method: USEPA245.1R3.0,1994

Matrix Type: NPW

Mercury

Method: USEPA245.7R2.0,2005

Matrix Type: NPW

Mercury

Method: USEPA300.0R2.1,1993

Matrix Type: NPW

Bromide

Chloride

Fluoride

Nitrate

Nitrate-Nitrite (as N)

Nitrite

Orthophosphate

Sulfate

Method: USEPA310.2,1974

Matrix Type: NPW

Alkalinity

Method: USEPA350.1R2.0,1993

Matrix Type: NPW/SCM

Ammonia

Method: USEPA351.2R2.0,1993

Matrix Type: NPW/SCM

Total Kjeldahl Nitrogen

Method: USEPA353.2R2.0,1993

Matrix Type: NPW

Nitrate-nitrite (as N)

Method: USEPA365.1R2.0,1993

Matrix Type: NPW/SCM

Phosphorus

Method: USEPA365.4,1974

Matrix Type: NPW/SCM

Phosphorus

Method: USEPA410.4R2.0,1993

Matrix Type: NPW/SCM

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FOT Name: Non Potable Water, Inorganic

Method: USEPA410.4R2.0,1993

Matrix Type: NPW/SCM

Chemical Oxygen Demand (COD)

FOT Name: Solid and Chemical Materials, Inorganic

Method: 1010A

Matrix Type: NPW/SCM

Ignitability

Method: 1311

Matrix Type: SCM

TCLP (Organic and Inorganic)

Method: 1312

Matrix Type: SCM

Synthetic Precipitation Leaching Procedure

Method: 6010C

Matrix Type: NPW

Silica

Matrix Type: NPW/SCM

Aluminum

Antimony

Arsenic

Barium

Beryllium

Boron

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

Lead

Magnesium

Manganese

Molybdenum

Nickel

Potassium

Selenium

Silver

Sodium

Strontium

Thallium

Tin

Vanadium

Zinc

Method: 7010

Matrix Type: NPW

Antimony

Matrix Type: NPW/SCM

Arsenic

Lead

Thallium

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FOT Name: Solid and Chemical Materials, Inorganic

Method: 7010

Matrix Type: SCM

Selenium

Method: 7196A

Matrix Type: NPW/SCM

Chromium VI

Method: 7470A

Matrix Type: NPW

Mercury

Method: 7471B

Matrix Type: SCM

Mercury

Method: 9012A

Matrix Type: NPW/SCM

Cyanide

Method: 9034

Matrix Type: NPW

Sulfides

Method: 9040C

Matrix Type: NPW/SCM

Hydrogen Ion (pH)

Method: 9045D

Matrix Type: SCM

Hydrogen Ion (pH)

Method: 9050A

Matrix Type: NPW

Specific Conductance

Method: 9056A

Matrix Type: NPW/SCM

Bromide

Chloride

Fluoride

Nitrate

Nitrite

Phosphate

Sulfate

Method: 9060A

Matrix Type: NPW/SCM

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FOT Name: Solid and Chemical Materials, Inorganic

Method: 9060A

Matrix Type: NPW/SCM

Total Organic Carbon (TOC)

Method: 9066

Matrix Type: NPW/SCM

Phenolics

Method: 9071B

Matrix Type: SCM

Oil and Grease Extractable

Method: 9095B

Matrix Type: SCM

Paint Filter

FOT Name: Solid and Chemical Materials, Organic

Method: 8015B

Matrix Type: SCM

Ethylene glycol

Method: 8015C

Matrix Type: NPW/SCM

Diesel range organics (DRO)

Gasoline range organics (GRO)

Method: 8081B

Matrix Type: NPW/SCM

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

Methoxychlor

Toxaphene

Method: 8082A

Matrix Type: NPW/SCM

PCB-1016

PCB-1221

PCB-1232

PCB-1242

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FOT Name: Solid and Chemical Materials, Organic

Method: 8082A

Matrix Type: NPW/SCM

PCB-1248

PCB-1254

PCB-1260

Method: 8151A

Matrix Type: NPW

2,4,5-TP (Silvex)

2,4-D

Method: 8260C

Matrix Type: NPW/SCM

1,1,1,2-Tetrachloroethane

1,1,1-Trichloroethane

1,1,2,2-Tetrachloroethane

1,1,2-Trichloroethane

1,1-Dichloroethane

1,1-Dichloroethene

1,1-Dichloropropene

1,2,3-Trichlorobenzene

1,2,3-Trichloropropane

1,2,4-Trichlorobenzene

1,2,4-Trimethylbenzene

1,2-Dibromo-3-chloropropane

1,2-Dibromoethane

1,2-Dichlorobenzene

1,2-Dichloroethane

1,2-Dichloropropane

1,3,5-Trimethylbenzene

1,3-Dichlorobenzene

1,3-Dichloropropane

1,4-Dichlorobenzene

1,4-Dioxane

1-Chlorohexane

2,2-Dichloropropane

2-Butanone (MEK)

2-Chloroethyl vinyl ether

2-Chlorotoluene

2-Hexanone

2-Nitropropane

4-Chlorotoluene

4-Methyl-2-pentanone (MIBK)

Acetone

Acrolein (Propenal)

Acrylonitrile

Benzene

Bromobenzene

Bromochloromethane

Bromodichloromethane

Bromoform

Bromomethane

Carbon disulfide

Carbon tetrachloride

Chlorobenzene

Chlorodibromomethane

Chloroethane

Chloroform

Chloromethane

cis-1,2-Dichloroethene

cis-1,3-Dichloropropene

Cyclohexane

Dibromomethane

Dichlorodifluoromethane

Diethyl ether

Diisopropyl ether (DIPE)

Ethyl acetate

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FOT Name: Solid and Chemical Materials, Organic

Method: 8260C

Matrix Type: NPW/SCM

Hexachlorobutadiene
Isopropylbenzene
Methyl tert-butyl ether (MTBE)
Methylene chloride
Naphthalene
n-Propylbenzene
p-Isopropyltoluene
sec-Butylbenzene
t-Butyl alcohol
Tetrachloroethene
trans-1,2-Dichloroethene
Trichloroethene
Vinyl acetate
Xylenes (total)

Ethylbenzene
Iodomethane
Methyl methacrylate
Methylcyclohexane
m-Xylene
n-Butylbenzene
o-Xylene
p-Xylene
Styrene
tert-Butylbenzene
Toluene
trans-1,3-Dichloropropene
Trichlorofluoromethane
Vinyl chloride

Method: 8270D

Matrix Type: NPW

1,4-Dioxane

2-Naphthylamine

Matrix Type: NPW/SCM

1,2,4,5-Tetrachlorobenzene
1,2-Dichlorobenzene
1,2-Diphenylhydrazine
1,4-Dichlorobenzene
2,3,4,6-Tetrachlorophenol
2,4,6-Trichlorophenol
2,4-Dimethylphenol
2,4-Dinitrotoluene (2,4-DNT)
2,6-Dinitrotoluene (2,6-DNT)
2-Chlorophenol
2-Methylphenol (o-Cresol)
2-Nitrophenol
3-Methylphenol (m-Cresol)
4,6-Dinitro-2-methylphenol
4-Chloro-3-methylphenol
4-Chlorophenyl phenyl ether

1,2,4-Trichlorobenzene
1,2-Dinitrobenzene
1,3-Dichlorobenzene
1-Methylnaphthalene
2,4,5-Trichlorophenol
2,4-Dichlorophenol
2,4-Dinitrophenol
2,6-Dichlorophenol
2-Chloronaphthalene
2-Methylnaphthalene
2-Nitroaniline
3,3'-Dichlorobenzidine
3-Nitroaniline
4-Bromophenyl phenyl ether
4-Chloroaniline
4-Methylphenol (p-Cresol)

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FOT Name: Solid and Chemical Materials, Organic

Method: 8270D

Matrix Type: NPW/SCM

4-Nitrophenol
Acenaphthylene
Aniline
Benzidine
Benzo(a)pyrene
Benzo(g,h,i)perlyene
Benzoic acid
Bis(2-chloroethoxy) methane
Bis(2-ethylhexyl) phthalate
Carbazole
Dibenz(a,h)anthracene
Diethyl phthalate
Di-n-butyl phthalate
Fluoranthene
Hexachlorobenzene
Hexachloroethane
Hexachloropropene
Isophorone
Nitrobenzene
N-Nitrosodimethylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Phenol
Pyridine

4-Nitroaniline
Acenaphthene
Acetophenone
Anthracene
Benzo(a)anthracene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzyl alcohol
Bis(2-chloroethyl) ether
Butyl benzyl phthalate
Chrysene
Dibenzofuran
Dimethyl phthalate
Di-n-octyl phthalate
Fluorene
Hexachlorocyclopentadiene
Hexachlorophene
Indeno(1,2,3-cd) pyrene
Naphthalene
N-Nitrosodiethylamine
N-Nitrosodi-n-propylamine
N-Nitrosopyrrolidine
Phenanthrene
Pyrene

Matrix Type: SCM

1,3-Dinitrobenzene (1,3-DNB)
Aminoazobenzene

1,4-Dinitrobenzene

Method: 8310

Matrix Type: NPW/SCM

Acenaphthene
Anthracene
Benzo(a)pyrene
Benzo(g,h,i)perylene
Chrysene

Acenaphthylene
Benzo(a)anthracene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Dibenz(a,h)anthracene

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FOT Name: Solid and Chemical Materials, Organic

Method: 8310

Matrix Type: NPW/SCM

Fluorene
Naphthalene
Pyrene

Fluoranthene
Indeno(1,2,3-cd) pyrene
Phenanthrene

Method: 8330A

Matrix Type: NPW/SCM

1,3,5-Trinitrobenzene (1,3,5-TNB)
2,4,6-Trinitrotoluene
2,4-Dinitrotoluene (2,4-DNT)
2-Amino-4,6-dinitrotoluene (2-Am-DNT)
3-Nitrotoluene (3-NT)
4-Nitrotoluene (4-NT)
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine(HM).

1,3-Dinitrobenzene (1,3-DNB)
2,4,6-Trinitrotoluene (2,4,6-TNT)
2,6-Dinitrotoluene (2,6-DNT)
2-Nitrotoluene (2-NT)
4-Amino-2,6-dinitrotoluene (4-Am-DNT)
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)
Nitrobenzene

Method: 8330B

Matrix Type: NPW/SCM

1,3,5-Trinitrobenzene (1,3,5-TNB)
2,4,6-Trinitrotoluene (2,4,6-TNT)
2,6-Dinitrotoluene (2,6-DNT)
2-Nitrotoluene (2-NT)
3-Nitrotoluene (3-NT)
4-Nitrotoluene (4-NT)
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)
Nitroglycerin (NG)
Pentaerythritol tetranitrate (PETN)

1,3-Dinitrobenzene (1,3-DNB)
2,4-Dinitrotoluene (2,4-DNT)
2-Amino-4,6-dinitrotoluene (2-Am-DNT)
3,5-Dinitroaniline (3,5-DNA)
4-Amino-2,6-dinitrotoluene (4-Am-DNT)
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)
Nitrobenzene (NB)
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HM).