



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: FL Department of Health, Bureau of Laboratories

Celeste M. Crowley
 Acting Manager
 Environmental Laboratory Accreditation Program

Janet Cruse
 Accreditation Officer
 Environmental Laboratory Accreditation Program

Certificate No.: 003568
 Expiration Date: 09/30/2015
 Issued On: 02/10/2015

**State of Illinois
Environmental Protection Agency**

Certificate No.: 003568

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: SM2540B,1997

Matrix Type: NPW

Residue (Total)

Method: SM2540C,1997

Matrix Type: NPW

Residue (TDS)

Method: SM2540D,1997

Matrix Type: NPW

Residue (TSS)

Method: SM3500Fe-B,1997

Matrix Type: NPW

Iron

Method: SM4110B,2000

Matrix Type: NPW

Bromide

Chloride

Fluoride

Nitrate

Nitrate-Nitrite (as N)

Nitrite

Orthophosphate (as P)

Method: SM4500H-B,2000

Matrix Type: NPW

Hydrogen Ion (pH)

Method: SM4500NH3-G,1997

Matrix Type: NPW

Ammonia

Method: SM4500S-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: 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

Nickel

Selenium

Silica

Silver

Sodium

Thallium

Tin

Titanium

Vanadium

Zinc

Method: USEPA200.9R2.2,1994

Matrix Type: NPW

Antimony

Lead

Selenium

Thallium

Method: USEPA245.1R3.0,1994

Matrix Type: NPW

Mercury

Method: USEPA300.0R2.1,1993

Matrix Type: NPW

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FOT Name: Non Potable Water, Inorganic

Method: USEPA300.0R2.1,1993

Matrix Type: NPW

Chloride

Nitrate

Nitrite

Sulfate

Bromide

Fluoride

Nitrate-Nitrite (as N)

Orthophosphate (as P)

Method: USEPA310.2,1974

Matrix Type: NPW

Alkalinity

Method: USEPA350.1R2.0,1993

Matrix Type: NPW

Ammonia

Method: USEPA351.2R2.0,1993

Matrix Type: NPW

Total Kjeldahl Nitrogen

Method: USEPA353.2R2.0,1993

Matrix Type: NPW

Nitrate

Nitrite (as N)

Nitrate-nitrite (as N)

Method: USEPA365.1R2.0,1993

Matrix Type: NPW

Orthophosphate (as P)

Phosphorus

Method: USEPA365.4,1974

Matrix Type: NPW

Phosphorus

Method: USEPA410.4R2.0,1993

Matrix Type: NPW

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)

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FOT Name: Solid and Chemical Materials, Inorganic

Method: 1312

Matrix Type: SCM

Synthetic Precipitation Leaching Procedure

Method: 6010C

Matrix Type: NPW

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

Method: 7010

Matrix Type: NPW/SCM

Antimony	Arsenic
Lead	Selenium
Silver	Thallium

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

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FOT Name: Solid and Chemical Materials, Inorganic

Method: 9012A

Matrix Type: NPW

Cyanide

Method: 9034

Matrix Type: NPW

Sulfides

Method: 9040C

Matrix Type: NPW

Hydrogen Ion (pH)

Method: 9041A

Matrix Type: NPW

Hydrogen Ion (pH)

Method: 9050A

Matrix Type: NPW

Specific Conductance

Method: 9056A

Matrix Type: NPW

Bromide

Fluoride

Nitrate

Nitrite

Phosphate

Matrix Type: NPW/SCM

Chloride

Method: 9060A

Matrix Type: NPW

Total Organic Carbon (TOC)

Method: 9066

Matrix Type: NPW

Phenolics

Method: 9095B

Matrix Type: SCM

Paint Filter

FOT Name: Solid and Chemical Materials, Organic

Method: 8011

Matrix Type: NPW/SCM

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

Matrix Type: SCM

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FOT Name: Solid and Chemical Materials, Organic

Method: 8011

Matrix Type: SCM

1,2-Dibromoethane (EDB)

Method: 8015B

Matrix Type: NPW/SCM

Ethylene glycol

Method: 8015C

Matrix Type: NPW/SCM

Diesel range organics (DRO)

Gasoline range organics (GRO)

Method: 8021B

Matrix Type: NPW

Naphthalene

Matrix Type: NPW/SCM

Benzene

Ethylbenzene

m-Xylene

o-Xylene

p-Xylene

Toluene

Total Xylenes

Matrix Type: SCM

MTBE (Methyl-t-butyl ether)

Method: 8081B

Matrix Type: NPW

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

PCB-1016

PCB-1221

PCB-1232

PCB-1242

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FOT Name: Solid and Chemical Materials, Organic

Method: 8082A

Matrix Type: NPW

PCB-1248

PCB-1254

PCB-1260

Method: 8260B

Matrix Type: NPW

2-Chlorotoluene

4-Chlorotoluene

Chlorodibromomethane (Dibromochloromethane)

Chloroethane

cis-1,2-Dichloroethene

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 (DBCP)

1,2-Dichlorobenzene

1,2-Dichloroethane

1,3,5-Trimethylbenzene

1,3-Dichlorobenzene

1,3-Dichloropropane

1,4-Dichlorobenzene

1,4-Dioxane

2,2-Dichloropropane

2-Butanone (Methyl ethyl ketone, MEK)

2-Chloroethyl vinyl ether

2-Hexanone

4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)

Acetone

Acetonitrile

Acrolein (Propenal)

Acrylonitrile

Benzene

Bromobenzene

Bromochloromethane

Bromoform

Bromomethane

Carbon disulfide

Carbon tetrachloride

Chlorobenzene

Chloroform

Chloromethane

cis-1,3-Dichloropropene

Dibromomethane

Dichlorodifluoromethane

Diethyl ether

Ethyl acetate

Ethylbenzene

Isopropyl ether

Isopropylbenzene

Methyl iodide (Iodmethane)

m-Xylene

Naphthalene

o-Xylene

p-Isopropyltoluene

p-Xylene

sec-Butylbenzene

t-Butyl alcohol

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FOT Name: Solid and Chemical Materials, Organic

Method: 8260B

Matrix Type: NPW/SCM

Tetrachloroethene
trans-1,2-Dichloroethene
Trichloroethene
Trichlorotrifluoroethane
Vinyl chloride

tert-Butylbenzene
Toluene
trans-1,3-Dichloropropene
Trichlorofluoromethane
Vinyl acetate
Xylenes (total)

Matrix Type: SCM

1,2-Dibromoethane (EDB)
Dichloromethane (Methylene chloride)
Methyl methacrylate
n-Propylbenzene

Bromodichloromethane
Hexachlorobutadiene
Methyl-t-butyl ether
Styrene

Method: 8260C

Matrix Type: NPW

2-Chlorotoluene
Chlorodibromomethane
cis-1,2-Dichloroethene

4-Chlorotoluene
Chloroethane

Matrix Type: NPW/SCM

1,1,1,2-Tetrachloroethane
1,1,1,2,2-Tetrachloroethane
1,1-Dichloroethane
1,1-Dichloropropene
1,2,3-Trichloropropane
1,2,4-Trimethylbenzene
1,2-Dichlorobenzene
1,3,5-Trimethylbenzene
1,3-Dichloropropane
1,4-Dioxane
2,2-Dichloropropane
2-Chloroethyl vinyl ether
4-Methyl-2-pentanone (MIBK)
Acrolein (Propenal)
Benzene
Bromochloromethane
Bromomethane
Carbon tetrachloride

1,1,1-Trichloroethane
1,1,2-Trichloroethane
1,1-Dichloroethene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane
1,2-Dichloroethane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1-Chlorohexane
2-Butanone (MEK)
2-Hexanone
Acetone
Acrylonitrile
Bromobenzene
Bromoform
Carbon disulfide
Chlorobenzene

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FOT Name: Solid and Chemical Materials, Organic

Method: 8260C

Matrix Type: NPW/SCM

Chloromethane
Cyclohexane
Dichlorodifluoromethane
Diisopropyl ether (DIPE)
Ethylbenzene
Isopropylbenzene
m-Xylene
o-Xylene
p-Xylene
t-Butyl alcohol
Tetrachloroethene
trans-1,2-Dichloroethene
Trichloroethene
Vinyl acetate

Chloroform
cis-1,3-Dichloropropene
Dibromomethane
Diethyl ether
Ethyl acetate
Iodomethane
Methylcyclohexane
Naphthalene
p-Isopropyltoluene
sec-Butylbenzene
tert-Butylbenzene
Toluene
trans-1,3-Dichloropropene
Trichlorofluoromethane
Vinyl chloride

Matrix Type: SCM

1,2-Dibromoethane
Hexachlorobutadiene
Methyl tert-butyl ether (MTBE)
n-Propylbenzene

Bromodichloromethane
Methyl methacrylate
Methylene chloride
Styrene

Method: 8270C

Matrix Type: NPW

2-Naphthylamine
3,3'-Dichlorobenzidine
4-Chloro-3-methylphenol
Hexachlorocyclopentadiene

2-Nitrophenol
4-Bromophenyl phenyl ether
Hexachlorobutadiene
Hexachloroethane

Matrix Type: NPW/SCM

1,2,4,5-Tetrachlorobenzene
1,2-Dichlorobenzene
1,2-Diphenylhydrazine
1,4-Dinitrobenzene
2,3,4,6-Tetrachlorophenol
2,4,6-Trichlorophenol
2,4-Dimethylphenol
2,4-Dinitrotoluene (2,4-DNT)

1,2,4-Trichlorobenzene
1,2-Dinitrobenzene
1,3-Dichlorobenzene
1,4-Dioxane
2,4,5-Trichlorophenol
2,4-Dichlorophenol
2,4-Dinitrophenol
2,6-Dichlorophenol

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FOT Name: Solid and Chemical Materials, Organic

Method: 8270C

Matrix Type: NPW/SCM

2-Chloronaphthalene
2-Methylnaphthalene
2-Nitroaniline
3-Nitroaniline
4-Chloroaniline
4-Methylphenol (p-Cresol)
4-Nitrophenol
Acenaphthylene
Aniline
Benzidine
Benzo(a)pyrene
Benzo(g,h,i)perylene
Benzoic acid
Bis(2-chloroethoxy) methane
Bis(2-chloroisopropyl) ether
Butyl benzyl phthalate
Chrysene
Dibenzofuran
Dimethyl phthalate
Di-n-octyl phthalate
Hexachlorophene
Isophorone
N-Nitrosodiethylamine
N-Nitrosodi-n-propylamine
N-Nitrosomethylethylamine
Pentachlorophenol
Phenol

2,6-Dinitrotoluene (2,6-DNT)
2-Chlorophenol
2-Methylphenol (o-Cresol)
3-Methylphenol (m-Cresol)
4,6-Dinitro-2-methylphenol
4-Chlorophenyl phenyl ether
4-Nitroaniline
Acenaphthene
Acetophenone
Anthracene
Benzo(a)anthracene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzyl alcohol
Bis(2-chloroethyl) ether
Bis(2-ethylhexyl) phthalate
Carbazole
Dibenz(a,h)anthracene
Diethyl phthalate
Di-n-butyl phthalate
Hexachlorobenzene
Hexachloropropene
Naphthalene
N-Nitrosodimethylamine
N-Nitrosodiphenylamine
N-Nitrosopyrrolidine
Phenanthrene
Pyrene

Matrix Type: SCM

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

1,4-Dichlorobenzene
Fluoranthene
Indeno(1,2,3-cd) pyrene
Pyridine

Method: 8270D

Matrix Type: NPW

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FOT Name: Solid and Chemical Materials, Organic

Method: 8270D

Matrix Type: NPW

2-Nitrophenol
4-Bromophenyl phenyl ether
Hexachlorobutadiene
Hexachloroethane

2-Naphthylamine
3,3'-Dichlorobenzidine
4-Chloro-3-methylphenol
Hexachlorocyclopentadiene

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)
3-Methylphenol (m-Cresol)
4,6-Dinitro-2-methylphenol
4-Chlorophenyl phenyl ether
4-Nitroaniline
Acenaphthene
Acetophenone
Anthracene
Benzo(a)anthracene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzyl alcohol
Bis(2-chloroethyl) ether
Bis(2-ethylhexyl) phthalate
Carbazole
Dibenz(a,h)anthracene
Diethyl phthalate
Di-n-butyl phthalate
Hexachlorobenzene

1,2,4-Trichlorobenzene
1,2-Dinitrobenzene
1,3-Dichlorobenzene
1,4-Dioxane
2,4,5-Trichlorophenol
2,4-Dichlorophenol
2,4-Dinitrophenol
2,6-Dichlorophenol
2-Chloronaphthalene
2-Methylnaphthalene
2-Nitroaniline
3-Nitroaniline
4-Chloroaniline
4-Methylphenol (p-Cresol)
4-Nitrophenol
Acenaphthylene
Aniline
Benzidine
Benzo(a)pyrene
Benzo(g,h,i)perylene
Benzoic acid
Bis(2-chloroethoxy) methane
Bis(2-chloroisopropyl) ether
Butyl benzyl phthalate
Chrysene
Dibenzofuran
Dimethyl phthalate
Di-n-octyl phthalate
Hexachlorophene

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FOT Name: Solid and Chemical Materials, Organic

Method: 8270D

Matrix Type: NPW/SCM

Isophorone
N-Nitrosodiethylamine
N-Nitrosodi-n-propylamine
N-Nitrosomethylethylamine
Pentachlorophenol
Phenol

Hexachloropropene
Naphthalene
N-Nitrosodimethylamine
N-Nitrosodiphenylamine
N-Nitrosopyrrolidine
Phenanthrene
Pyrene

Matrix Type: SCM

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

1,4-Dinitrobenzene
Fluoranthene
Indeno(1,2,3-cd) pyrene
Pyridine

Method: 8310

Matrix Type: NPW

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

Acenaphthylene
Benzo(a)anthracene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Naphthalene
Pyrene

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(HMX)

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)

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

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Environmental Protection Agency
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FOT Name: Solid and Chemical Materials, Organic

Method: 8330B

Matrix Type: NPW/SCM

2-Amino-4,6-dinitrotoluene (2-Am-DNT)

3-Nitrotoluene (3-NT)

4-Nitrotoluene (4-NT)

Methyl-2,4,6-trinitrophenylnitramine (Tetryl)

Nitroglycerin (NG)

Matrix Type: SCM

3,5-Dinitroaniline (3,5-DNA)

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 (NB)

Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)

Pentaerythritol tetranitrate (PETN)