



**STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
NELAP - RECOGNIZED**



ENVIRONMENTAL LABORATORY ACCREDITATION

is hereby granted to

SUBURBAN LABORATORIES, INC.
1950 SOUTH BATAVIA AVE., SUITE 150
GENEVA, IL 60134

NELAP ACCREDITED
ACCREDITATION NUMBER #100225



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.

Celeste M. Crowley

John D. South

Celeste M. Crowley
Acting Manager
Environmental Laboratory Accreditation Program

John South
Accreditation Officer
Environmental Laboratory Accreditation Program

Certificate No.: 004545
Expiration Date: 10/31/2019
Issued On: 11/13/2018

State of Illinois
Environmental Protection Agency

Certificate No.: 004545

Awards the Certificate of Approval to:

Suburban Laboratories, Inc.
1950 South Batavia Ave., Suite 150
Geneva, IL 60134

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.

FOT Name: Drinking Water, Inorganic

Method: SM2320B,21Ed

Matrix Type: Potable Water

Alkalinity

Method: SM2510B,18Ed

Matrix Type: Potable Water

Conductivity

Method: SM2540C,18Ed

Matrix Type: Potable Water

Total dissolved solids

Method: SM4500CI-G,18Ed

Matrix Type: Potable Water

Chlorine (free,combined,total)

Method: SM4500CN-E,18Ed

Matrix Type: Potable Water

Cyanide

Method: SM4500F-C,18Ed

Matrix Type: Potable Water

Fluoride

Method: SM4500H-B,21Ed

Matrix Type: Potable Water

Hydrogen Ion (pH)

Method: SM4500NO2-B,21Ed

Matrix Type: Potable Water

Nitrite

Method: SM4500P-E,18Ed

Matrix Type: Potable Water

Orthophosphate

Method: SM5310B,19Ed

Matrix Type: Potable Water

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Certificate No.: 004545

Suburban Laboratories, Inc.
1950 South Batavia Ave., Suite 150
Geneva, IL 60134

FOT Name: Drinking Water, Inorganic

Method: SM5310B,19Ed

Matrix Type: Potable Water

Total Organic Carbon (TOC)

Method: USEPA200.7R4.4

Matrix Type: Potable Water

Barium

Calcium

Chromium

Copper

Hardness (calc.)

Iron

Manganese

Nickel

Silica

Sodium

Zinc

Method: USEPA200.8R5.4

Matrix Type: Potable Water

Aluminum

Antimony

Arsenic

Barium

Beryllium

Cadmium

Chromium

Copper

Lead

Manganese

Mercury

Molybdenum

Nickel

Selenium

Silver

Thallium

Zinc

Method: USEPA245.1R3.0

Matrix Type: Potable Water

Mercury

Method: USEPA335.4R1.0

Matrix Type: Potable Water

Cyanide

Method: USEPA353.2R2.0

Matrix Type: Potable Water

Nitrate

FOT Name: Drinking Water, Organic

Method: USEPA504.1R1.1

Matrix Type: Potable Water

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

1,2-Dibromoethane (EDB)

Method: USEPA505R2.1

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Certificate No.: 004545

Suburban Laboratories, Inc.
 1950 South Batavia Ave., Suite 150
 Geneva, IL 60134

FOT Name: Drinking Water, Organic

Method: USEPA505R2.1

Matrix Type: Potable Water

Aldrin	Chlordane total
Dieldrin	Endrin
gamma-BHC (Lindane)	Heptachlor
Heptachlor epoxide	Hexachlorobenzene
Hexachlorocyclopentadiene	Methoxychlor
Toxaphene	

Method: USEPA515.4R1.0

Matrix Type: Potable Water

2,4,5-TP (Silvex)	2,4-D
Dalapon	Dinoseb
Pentachlorophenol	Picloram

Method: USEPA524.2R4.1

Matrix Type: Potable Water

1,1,1-Trichloroethane	1,1,2-Trichloroethane
1,1-Dichloroethene	1,2,4-Trichlorobenzene
1,2-Dichlorobenzene	1,2-Dichloroethane
1,2-Dichloropropane	1,4-Dichlorobenzene
Benzene	Bromodichloromethane
Bromoform	Bromomethane
Carbon tetrachloride	Chlorobenzene
Chlorodibromomethane	Chloroform
cis-1,2-Dichloroethene	Dichloromethane (Methylene chloride)
Ethylbenzene	Methyl tert-butyl ether (MTBE)
Styrene	Tetrachloroethene
Toluene	Total trihalomethanes
trans-1,2-Dichloroethene	Trichloroethylene
Vinyl chloride	Xylenes (total)

Method: USEPA525.2R2.0

Matrix Type: Potable Water

4,4'-DDT	Alachlor
Atrazine	Benzo(a)pyrene
Butachlor	Di (2-ethylhexyl) adipate
Di (2-ethylhexyl) phthalate	Metolachlor

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Certificate No.: 004545

Suburban Laboratories, Inc.
1950 South Batavia Ave., Suite 150
Geneva, IL 60134

FOT Name: Drinking Water, Organic

Method: USEPA525.2R2.0

Matrix Type: Potable Water

Metribuzin

Propachlor

Simazine

Method: USEPA531.1R3.1

Matrix Type: Potable Water

3-Hydroxycarbofuran

Aldicarb (Temik)

Aldicarb sulfone

Aldicarb sulfoxide

Carbaryl (Sevin)

Carbofuran (Furaden)

Methomyl (Lannate)

Oxamyl

Method: USEPA552.3

Matrix Type: Potable Water

Dibromoacetic acid

Dichloroacetic acid

Monobromoacetic acid

Monochloroacetic acid

Trichloroacetic acid

FOT Name: Non Potable Water, Inorganic

Method: Hach 8000

Matrix Type: NPW/SCM

Chemical Oxygen Demand (COD)

Method: SM2320B,1997

Matrix Type: NPW/SCM

Alkalinity

Method: SM2510B,1997

Matrix Type: NPW/SCM

Specific conductance

Method: SM2540C,1997

Matrix Type: NPW/SCM

Residue (TDS)

Method: SM2540D,1997

Matrix Type: NPW/SCM

Residue (TSS)

Method: SM2540F,1997

Matrix Type: NPW/SCM

Residue (settleable)

Method: SM3500Cr-B,2009

Matrix Type: NPW/SCM

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Certificate No.: 004545

Suburban Laboratories, Inc.
1950 South Batavia Ave., Suite 150
Geneva, IL 60134

FOT Name: Non Potable Water, Inorganic

Method: SM3500Cr-B,2009

Matrix Type: NPW/SCM

Chromium VI

Method: SM4500CL⁻-E,1997

Matrix Type: NPW/SCM

Chloride

Method: SM4500Cl-G,2000

Matrix Type: NPW/SCM

Chlorine, Total Residual

Method: SM4500CN-E,1999

Matrix Type: NPW/SCM

Cyanide

Method: SM4500CN-G,1999

Matrix Type: NPW/SCM

Cyanide, Available

Method: SM4500F-C,1997

Matrix Type: NPW/SCM

Fluoride

Method: SM4500H-B,2000

Matrix Type: NPW/SCM

Hydrogen Ion (pH)

Method: SM4500NH3-G,1997

Matrix Type: NPW

Ammonia

Method: SM4500Norg-D,1997

Matrix Type: NPW/SCM

Total Kjeldahl Nitrogen

Method: SM4500P-E,1999

Matrix Type: NPW/SCM

Orthophosphate

Phosphorus

Method: SM5210B,2001

Matrix Type: NPW/SCM

Biochemical oxygen demand (BOD)

Carbonaceous Biochemical Oxygen Demand (CBOI)

Method: SM5310B,2000

Matrix Type: NPW/SCM

Total Organic Carbon (TOC)

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Certificate No.: 004545

Suburban Laboratories, Inc.
1950 South Batavia Ave., Suite 150
Geneva, IL 60134

FOT Name: Non Potable Water, Inorganic

Method: SM5540C,2000

Matrix Type: NPW/SCM

Surfactants

Method: USEPA1664A

Matrix Type: NPW/SCM

Oil and Grease

Method: USEPA200.7,1994

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

Thallium

Titanium

Vanadium

Zinc

Method: USEPA200.8,1994

Matrix Type: NPW/SCM

Aluminum

Antimony

Arsenic

Barium

Beryllium

Boron

Cadmium

Chromium

Copper

Iron

Lead

Manganese

Molybdenum

Nickel

Selenium

Silver

Thallium

Tin

Vanadium

Zinc

Method: USEPA245.1R3.0,1994

Matrix Type: NPW/SCM

**State of Illinois
Environmental Protection Agency**

Certificate No.: 004545

Awards the Certificate of Approval

Suburban Laboratories, Inc.
1950 South Batavia Ave., Suite 150
Geneva, IL 60134

FOT Name: Non Potable Water, Inorganic

Method: USEPA245.1R3.0,1994

Matrix Type: NPW/SCM

Mercury

Method: USEPA353.2R2.0,1993

Matrix Type: NPW/SCM

Nitrate

Nitrate-nitrite (as N)

Method: USEPA420.1,1978

Matrix Type: NPW/SCM

Phenolics

FOT Name: Non Potable Water, Organic

Method: USEPA608

Matrix Type: NPW/SCM

4,4'-DDD

4,4'-DDE

4,4'-DDT

Aldrin

alpha-BHC

beta-BHC

Chlordane

delta-BHC

Dieldrin

Endosulfan I

Endosulfan II

Endosulfan sulfate

Endrin

Endrin aldehyde

gamma-BHC (Lindane)

Heptachlor

Heptachlor epoxide

Methoxychlor

PCB-1016

PCB-1221

PCB-1232

PCB-1242

PCB-1248

PCB-1254

PCB-1260

Toxaphene

Method: USEPA624

Matrix Type: NPW/SCM

1,1,1-Trichloroethane

1,1,2,2-Tetrachloroethane

1,1,2-Trichloroethane

1,1-Dichloroethane

1,1-Dichloroethene

1,2-Dichlorobenzene

1,2-Dichloroethane

1,2-Dichloropropane

1,3-Dichlorobenzene

1,4-Dichlorobenzene

2-Chloroethylvinyl ether

Acrolein (Propenal)

Acrylonitrile

Benzene

Bromodichloromethane

Bromoform

Bromomethane

Carbon tetrachloride

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Certificate No.: 004545

Suburban Laboratories, Inc.
1950 South Batavia Ave., Suite 150
Geneva, IL 60134

FOT Name: Non Potable Water, Organic

Method: USEPA624

Matrix Type: NPW/SCM

Chloroethane
Chloromethane
Dibromochloromethane
Ethylbenzene
Tetrachloroethene
trans-1,2-Dichloroethene
Trichloroethene
Vinyl chloride

Chlorobenzene
Chloroform
cis-1,3-Dichloropropene
Dichloromethane (Methylene chloride)
Methyl tert-butyl ether (MTBE)
Toluene
trans-1,3-Dichloropropene
Trichlorofluoromethane
Xylenes (total)

Method: USEPA625

Matrix Type: NPW

Nitrobenzene

Matrix Type: NPW/SCM

1,2,4-Trichlorobenzene
1,3-Dichlorobenzene
2,4,5-Trichlorophenol
2,4-Dichlorophenol
2,4-Dinitrophenol
2,6-Dinitrotoluene (2,6-DNT)
2-Chlorophenol
2-Nitrophenol
4-Bromophenyl phenyl ether
4-Chlorophenyl phenyl ether
Acenaphthene
Anthracene
Benzo(a)anthracene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Bis(2-chloroethoxy) methane
Bis(2-ethylhexyl) phthalate
Dibenz(a,h)anthracene
Dimethyl phthalate
Di-n-octyl phthalate
Fluorene
Hexachlorobutadiene

1,2-Dichlorobenzene
1,4-Dichlorobenzene
2,4,6-Trichlorophenol
2,4-Dimethylphenol
2,4-Dinitrotoluene (2,4-DNT)
2-Chloronaphthalene
2-Methyl-4,6-dinitrophenol
3,3'-Dichlorobenzidine
4-Chloro-3-methylphenol
4-Nitrophenol
Acenaphthylene
Benzidine
Benzo(a)pyrene
Benzo(g,h,i)perylene
Benzyl butyl phthalate
Bis(2-chloroethyl) ether
Chrysene
Diethyl phthalate
Di-n-butyl phthalate
Fluoranthene
Hexachlorobenzene
Hexachlorocyclopentadiene

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Certificate No.: 004545

Suburban Laboratories, Inc.
1950 South Batavia Ave., Suite 150
Geneva, IL 60134

FOT Name: Non Potable Water, Organic

Method: USEPA625

Matrix Type: NPW/SCM

Indeno(1,2,3-cd) pyrene
Naphthalene
N-Nitrosodi-n-propylamine
Pentachlorophenol
Phenol

Hexachloroethane
Isophorone
N-Nitrosodimethylamine
N-Nitrosodiphenylamine
Phenanthrene
Pyrene

FOT Name: Solid and Chemical Materials, Inorganic

Method: 1311

Matrix Type: NPW/SCM

TCLP (Organic and Inorganic)

Method: 1312

Matrix Type: NPW/SCM

Synthetic Precipitation Leaching Procedure

Method: 6010B

Matrix Type: NPW/SCM

Aluminum
Arsenic
Beryllium
Calcium
Cobalt
Iron
Magnesium
Molybdenum
Potassium
Silver
Thallium
Zinc

Antimony
Barium
Cadmium
Chromium
Copper
Lead
Manganese
Nickel
Selenium
Sodium
Vanadium

Method: 6020A

Matrix Type: NPW

Aluminum
Arsenic
Beryllium
Chromium
Copper

Antimony
Barium
Cadmium
Cobalt
Iron

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Certificate No.: 004545

Suburban Laboratories, Inc.
 1950 South Batavia Ave., Suite 150
 Geneva, IL 60134

FOT Name: Solid and Chemical Materials, Inorganic

Method: 6020A

Matrix Type: NPW

Molybdenum
 Selenium
 Thallium
 Zinc

Manganese
 Nickel
 Silver
 Vanadium

Method: 7471B

Matrix Type: NPW/SCM

Mercury

Method: 9014

Matrix Type: NPW/SCM

Cyanide

Method: 9045C

Matrix Type: NPW/SCM

Hydrogen ion (pH)

FOT Name: Solid and Chemical Materials, Organic

Method: 8081A

Matrix Type: NPW/SCM

4,4'-DDD
 4,4'-DDT
 alpha-BHC
 beta-BHC
 delta-BHC
 Endosulfan I
 Endosulfan sulfate
 Endrin aldehyde
 gamma-BHC (Lindane)
 Heptachlor
 Methoxychlor

4,4'-DDE
 Aldrin
 alpha-Chlordane
 Chlordane - not otherwise specified
 Dieldrin
 Endosulfan II
 Endrin
 Endrin ketone
 gamma-Chlordane
 Heptachlor epoxide
 Toxaphene

Method: 8082

Matrix Type: NPW/SCM

PCB-1016
 PCB-1232
 PCB-1248
 PCB-1260

PCB-1221
 PCB-1242
 PCB-1254

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Certificate No.: 004545

Suburban Laboratories, Inc.
1950 South Batavia Ave., Suite 150
Geneva, IL 60134

FOT Name: Solid and Chemical Materials, Organic

Method: 8260B

Matrix Type: NPW/SCM

1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane
1,1,1,2-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-Dibromoethane (EDB)	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	2,2-Dichloropropane
2-Butanone (Methyl ethyl ketone, MEK)	2-Chloroethyl vinyl ether
2-Chlorotoluene	2-Hexanone
4-Chlorotoluene	4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)
Acetone	Acrolein (Propenal)
Acrylonitrile	Allyl chloride
Benzene	Bromobenzene
Bromochloromethane	Bromodichloromethane
Bromoform	Bromomethane
Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chlorodibromomethane (Dibromochloromethane)
Chloroethane	Chloroform
Chloromethane	cis-1,2-Dichloroethene
cis-1,3-Dichloropropene	Dibromomethane
Dichlorodifluoromethane	Dichloromethane (Methylene chloride)
Ethyl methacrylate	Ethylbenzene
Hexachlorobutadiene	Hexachloroethane
Isopropylbenzene	Methacrylonitrile
Methyl acrylate	Methyl ethyl ketone
Methyl iodide (Iodmethane)	Methyl methacrylate
Methyl-t-butyl ether	m-Xylene
Naphthalene	n-Butylbenzene
n-Propylbenzene	o-Xylene
p-Isopropyltoluene	p-Xylene

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Certificate No.: 004545

Suburban Laboratories, Inc.
1950 South Batavia Ave., Suite 150
Geneva, IL 60134

FOT Name: Solid and Chemical Materials, Organic

Method: 8260B

Matrix Type: NPW/SCM

Styrene
Tetrachloroethene
trans-1,2-Dichloroethene
Trichloroethene
Vinyl acetate
Xylenes (Total)

sec-Butylbenzene
tert-Butylbenzene
Toluene
trans-1,3-Dichloropropene
Trichlorofluoromethane
Vinyl chloride

Method: 8270C

Matrix Type: NPW/SCM

1,2,4-Trichlorobenzene
1,3-Dichlorobenzene
2,2-Oxybis (1-chloropropane)
2,4,6-Trichlorophenol
2,4-Dimethylphenol
2,4-Dinitrotoluene (2,4-DNT)
2-Chloronaphthalene
2-Methylnaphthalene
2-Nitrophenol
3-Nitroaniline
4-Bromophenyl phenyl ether
4-Chloroaniline
4-Nitroaniline
Acenaphthene
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

1,2-Dichlorobenzene
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4-Dichlorophenol
2,4-Dinitrophenol
2,6-Dinitrotoluene (2,6-DNT)
2-Chlorophenol
2-Nitroaniline
3,3'-Dichlorobenzidine
4,6-Dinitro-2-methylphenol
4-Chloro-3-methylphenol
4-Chlorophenyl phenyl ether
4-Nitrophenol
Acenaphthylene
Benzidine
Benzo(a)pyrene
Benzo(g,h,i)perylene
Benzoic acid
Bis(2-chloroethoxy) methane
Bis(2-ethylhexyl) phthalate
Carbazole
Dibenz(a,h)anthracene
Diethyl phthalate
Di-n-butyl phthalate
Fluoranthene
Hexachlorobenzene

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Certificate No.: 004545

Suburban Laboratories, Inc.
1950 South Batavia Ave., Suite 150
Geneva, IL 60134

FOT Name: Solid and Chemical Materials, Organic

Method: 8270C

Matrix Type: NPW/SCM

Hexachlorocyclopentadiene
Indeno(1,2,3-cd) pyrene
m-Cresol (3-Methylphenol)
Nitrobenzene
N-Nitrosodi-n-propylamine
o-Cresol (2-Methylphenol)
Pentachlorophenol
Phenol
Pyridine

Hexachlorobutadiene
Hexachloroethane
Isophorone
Naphthalene
N-Nitrosodimethylamine
N-Nitrosodiphenylamine
p-Cresol (4-Methylphenol)
Phenanthrene
Pyrene