

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

OFFICE OF FIELD OPERATIONS
BUREAU OF LABORATORIES



Certifies that

68-00466
UL LLC

110 SOUTH HILL STREET
SOUTH BEND, IN 46617

Having duly met the requirement of
The Act of June 29, 2002 (P.L. 596, No. 90)
dealing with Environmental Laboratory Accreditation
(27 Pa. C.S. §§4101-4113) and the
National Environmental Laboratory Accreditation Conference Standard

is hereby approved as an

Accredited Laboratory

As more fully described in the attached Scope of Accreditation

Expiration Date: **4/30/2013**
Certificate Number: **009**

A handwritten signature in black ink, appearing to read "Aaren Alger".

Aaren S. Alger, Chief
Laboratory Accreditation Program
Bureau of Laboratories

Continued accreditation status depends on successful ongoing participation in the Program
Certificate not transferable Surrender upon revocation
To be conspicuously displayed at the Laboratory
Not valid unless accompanied by a valid Scope of Accreditation
Shall not be used to imply endorsement by the Commonwealth of Pennsylvania
Customers are urged to verify the laboratory's current accreditation status
PA DEP is a NELAP recognized accreditation body



Laboratory Scope of Accreditation

Attachment to Certificate of Accreditation 009, expiration date April 30, 2013. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

State Laboratory ID: 68-00466

EPA Lab Code: IN00035

(574) 233-4777

UL LLC
110 South Hill Street
South Bend, IN 46617

Program Drinking Water

Method	Analyte	Accreditation Type	Primary	Effective Date
Colisure - Idexx	Total coliform & E. coli	NELAP	FL	4/9/2004
EPA 150.1	pH	NELAP	FL	4/26/2001
EPA 1613	2,3,7,8-TCDD (Dioxin)	NELAP	FL	2/10/2005
EPA 180.1	Turbidity	NELAP	FL	2/10/2005
EPA 200.7	Aluminum	NELAP	FL	8/1/2002
EPA 200.7	Calcium	NELAP	FL	8/1/2002
EPA 200.7	Iron	NELAP	FL	8/1/2002
EPA 200.7	Magnesium	NELAP	FL	4/7/2006
EPA 200.7	Manganese	NELAP	FL	8/1/2002
EPA 200.7	Silver	NELAP	FL	8/1/2002
EPA 200.7	Sodium	NELAP	FL	8/1/2002
EPA 200.7	Silica, as SiO2	NELAP	FL	3/25/2008
EPA 200.8	Aluminum	NELAP	FL	2/10/2005
EPA 200.8	Antimony	NELAP	FL	4/26/2001
EPA 200.8	Arsenic	NELAP	FL	4/26/2001
EPA 200.8	Barium	NELAP	FL	4/26/2001
EPA 200.8	Beryllium	NELAP	FL	4/26/2001
EPA 200.8	Cadmium	NELAP	FL	4/26/2001
EPA 200.8	Chromium	NELAP	FL	4/26/2001
EPA 200.8	Copper	NELAP	FL	4/26/2001
EPA 200.8	Lead	NELAP	FL	4/26/2001
EPA 200.8	Manganese	NELAP	FL	2/10/2005
EPA 200.8	Molybdenum	NELAP	FL	3/20/2012
EPA 200.8	Nickel	NELAP	FL	4/26/2001
EPA 200.8	Selenium	NELAP	FL	4/26/2001
EPA 200.8	Silver	NELAP	FL	4/26/2001
EPA 200.8	Thallium	NELAP	FL	4/26/2001
EPA 200.8	Vanadium	NELAP	FL	3/20/2012
EPA 200.8	Zinc	NELAP	FL	2/10/2005
EPA 200.8	Uranium, total	NELAP	FL	2/10/2005
EPA 218.6	Chromium VI	NELAP	FL	3/20/2012
EPA 245.1	Mercury	NELAP	FL	8/1/2002
EPA 300.0	Bromide	NELAP	FL	10/3/2001
EPA 300.0	Chlorate	NELAP	FL	2/10/2005
EPA 300.0	Chloride	NELAP	FL	4/16/2004
EPA 300.0	Chlorite	NELAP	FL	10/3/2001

The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP recognized accrediting authority. Customers are urged to verify the laboratory's current accreditation standing.



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Program Drinking Water

Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 300.0	Fluoride	NELAP	FL	2/12/2007
EPA 300.0	Nitrate	NELAP	FL	4/26/2001
EPA 300.0	Sulfate	NELAP	FL	4/26/2001
EPA 300.1	Bromate	NELAP	FL	8/1/2002
EPA 314.0	Perchlorate	NELAP	FL	2/10/2005
EPA 317.0	Bromate	NELAP	FL	3/25/2008
EPA 331.0	Perchlorate	NELAP	FL	9/5/2007
EPA 331.1	Perchlorate	NELAP	FL	3/20/2012
EPA 335.4	Cyanide	NELAP	FL	4/26/2001
EPA 353.2	Nitrate as N	NELAP	FL	8/1/2002
EPA 353.2	Nitrite as N	NELAP	FL	4/26/2001
EPA 353.2	Total nitrate-nitrite	NELAP	FL	4/7/2006
EPA 504.1	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	FL	4/26/2001
EPA 504.1	1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	FL	4/26/2001
EPA 505	PCBs (screen as individual arochlors)	NELAP	FL	3/25/2008
EPA 505	Chlordane (tech.)	NELAP	FL	4/26/2001
EPA 505	Toxaphene (Chlorinated camphene)	NELAP	FL	4/26/2001
EPA 515.3	Pentachlorophenol (PCP)	NELAP	FL	10/9/2001
EPA 515.3	2,4,5-TP (Silvex)	NELAP	FL	10/9/2001
EPA 515.3	2,4-D	NELAP	FL	10/9/2001
EPA 515.3	Dacthal (DCPA)	NELAP	FL	4/8/2010
EPA 515.3	Dalapon (2,2-Dichloropropionic acid)	NELAP	FL	10/9/2001
EPA 515.3	Dicamba	NELAP	FL	10/9/2001
EPA 515.3	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	NELAP	FL	10/9/2001
EPA 515.3	Picloram (4-Amino-3,5,6-trichloro-2-pyridinecarboxylic acid)	NELAP	FL	10/9/2001
EPA 524.2	1,1,1,2-Tetrachloroethane	NELAP	FL	4/26/2001
EPA 524.2	1,1,1-Trichloroethane	NELAP	FL	4/26/2001
EPA 524.2	1,1,2,2-Tetrachloroethane	NELAP	FL	4/26/2001
EPA 524.2	1,1,2-Trichloroethane	NELAP	FL	4/26/2001
EPA 524.2	1,1-Dichloroethane	NELAP	FL	4/26/2001
EPA 524.2	1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	FL	4/26/2001
EPA 524.2	1,1-Dichloropropene	NELAP	FL	4/26/2001
EPA 524.2	1,2,3-Trichlorobenzene	NELAP	FL	2/10/2005
EPA 524.2	1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	FL	4/26/2001
EPA 524.2	1,2,4-Trichlorobenzene	NELAP	FL	4/26/2001

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EPA 524.2	1,2,4-Trimethylbenzene	NELAP	FL	2/10/2005
EPA 524.2	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	FL	4/26/2001
EPA 524.2	1,2-Dichloroethane	NELAP	FL	4/26/2001
EPA 524.2	1,2-Dichloropropane	NELAP	FL	4/26/2001
EPA 524.2	1,3,5-Trimethylbenzene	NELAP	FL	2/10/2005
EPA 524.2	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	FL	4/26/2001
EPA 524.2	1,3-Dichloropropane	NELAP	FL	4/26/2001
EPA 524.2	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	FL	4/26/2001
EPA 524.2	2,2-Dichloropropane	NELAP	FL	4/26/2001
EPA 524.2	2-Chlorotoluene	NELAP	FL	4/26/2001
EPA 524.2	4-Chlorotoluene	NELAP	FL	4/26/2001
EPA 524.2	4-Isopropyltoluene (p-Isopropyltoluene)	NELAP	FL	2/10/2005
EPA 524.2	Benzene	NELAP	FL	4/26/2001
EPA 524.2	Bromobenzene	NELAP	FL	4/26/2001
EPA 524.2	Bromochloromethane	NELAP	FL	2/10/2005
EPA 524.2	Bromodichloromethane	NELAP	FL	4/26/2001
EPA 524.2	Bromoform	NELAP	FL	4/26/2001
EPA 524.2	Carbon tetrachloride	NELAP	FL	4/26/2001
EPA 524.2	Chlorobenzene	NELAP	FL	4/26/2001
EPA 524.2	Chloroethane	NELAP	FL	4/26/2001
EPA 524.2	Chloroform	NELAP	FL	4/26/2001
EPA 524.2	Dibromochloromethane	NELAP	FL	4/26/2001
EPA 524.2	Dibromomethane	NELAP	FL	4/26/2001
EPA 524.2	Dichlorodifluoromethane (Freon 12)	NELAP	FL	2/10/2005
EPA 524.2	Dichloromethane (DCM, Methylene chloride)	NELAP	FL	4/26/2001
EPA 524.2	Ethylbenzene	NELAP	FL	4/26/2001
EPA 524.2	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	FL	2/10/2005
EPA 524.2	Isopropylbenzene (Cumene)	NELAP	FL	2/10/2005
EPA 524.2	Methyl bromide (Bromomethane)	NELAP	FL	4/26/2001
EPA 524.2	Methyl chloride (Chloromethane)	NELAP	FL	4/26/2001
EPA 524.2	Methyl tert-butyl ether (MTBE)	NELAP	FL	2/10/2005
EPA 524.2	Naphthalene	NELAP	FL	2/10/2005
EPA 524.2	Nitrobenzene	NELAP	FL	2/10/2005
EPA 524.2	Styrene	NELAP	FL	4/26/2001
EPA 524.2	Tetrachloroethene (PCE, Perchloroethylene)	NELAP	FL	4/26/2001
EPA 524.2	Toluene	NELAP	FL	4/26/2001

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 524.2	Total trihalomethanes (TTHMs)	NELAP	FL	4/26/2001
EPA 524.2	Trichloroethene (TCE, Trichloroethylene)	NELAP	FL	4/26/2001
EPA 524.2	Trichlorofluoromethane (Freon 11)	NELAP	FL	2/10/2005
EPA 524.2	Vinyl chloride (Chloroethene)	NELAP	FL	4/26/2001
EPA 524.2	Xylenes, total	NELAP	FL	4/26/2001
EPA 524.2	cis-1,2-Dichloroethene	NELAP	FL	4/26/2001
EPA 524.2	cis-1,3-Dichloropropene	NELAP	FL	3/13/2009
EPA 524.2	n-Butylbenzene	NELAP	FL	2/10/2005
EPA 524.2	n-Propylbenzene	NELAP	FL	2/10/2005
EPA 524.2	sec-Butylbenzene	NELAP	FL	2/10/2005
EPA 524.2	tert-Butylbenzene	NELAP	FL	2/10/2005
EPA 524.2	trans-1,2-Dichloroethene	NELAP	FL	4/26/2001
EPA 524.2	trans-1,3-Dichloropropene	NELAP	FL	4/26/2001
EPA 525.2	Benzo[a]pyrene	NELAP	FL	4/26/2001
EPA 525.2	Hexachlorobenzene	NELAP	FL	4/26/2001
EPA 525.2	Hexachlorocyclopentadiene	NELAP	FL	4/26/2001
EPA 525.2	bis(2-Ethylhexyl) adipate (di(2-Ethylhexyl) adipate)	NELAP	FL	4/26/2001
EPA 525.2	bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	FL	4/26/2001
EPA 525.2	4,4'-DDE	NELAP	FL	2/10/2005
EPA 525.2	Alachlor (Lasso)	NELAP	FL	4/26/2001
EPA 525.2	Aldrin (HHDN)	NELAP	FL	4/26/2001
EPA 525.2	Atrazine	NELAP	FL	4/26/2001
EPA 525.2	Butachlor	NELAP	FL	4/26/2001
EPA 525.2	Dieldrin	NELAP	FL	4/26/2001
EPA 525.2	EPTC (Eptam, S-Ethyl-dipropylthiocarbamate)	NELAP	FL	2/10/2005
EPA 525.2	Endrin	NELAP	FL	4/26/2001
EPA 525.2	Heptachlor	NELAP	FL	4/26/2001
EPA 525.2	Heptachlor epoxide	NELAP	FL	4/26/2001
EPA 525.2	Methoxychlor	NELAP	FL	4/26/2001
EPA 525.2	Metolachlor	NELAP	FL	4/26/2001
EPA 525.2	Metribuzin	NELAP	FL	4/26/2001
EPA 525.2	Molinate	NELAP	FL	2/10/2005
EPA 525.2	Propachlor (Ramrod)	NELAP	FL	4/26/2001
EPA 525.2	Simazine	NELAP	FL	4/26/2001
EPA 525.2	Terbacil	NELAP	FL	2/10/2005
EPA 525.2	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	FL	4/26/2001

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www.dep.state.pa.us

Issue Date: 03/21/2012

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 531.1	3-Hydroxycarbofuran	NELAP	FL	4/26/2001
EPA 531.1	Aldicarb (Temik)	NELAP	FL	4/26/2001
EPA 531.1	Aldicarb sulfone	NELAP	FL	4/26/2001
EPA 531.1	Aldicarb sulfoxide	NELAP	FL	4/26/2001
EPA 531.1	Carbaryl (Sevin)	NELAP	FL	4/26/2001
EPA 531.1	Carbofuran (Furaden)	NELAP	FL	4/26/2001
EPA 531.1	Methomyl (Lannate)	NELAP	FL	4/26/2001
EPA 531.1	Oxamyl (Vydate)	NELAP	FL	4/26/2001
EPA 531.2	3-Hydroxycarbofuran	NELAP	FL	3/20/2012
EPA 531.2	Aldicarb (Temik)	NELAP	FL	3/20/2012
EPA 531.2	Aldicarb sulfone	NELAP	FL	3/20/2012
EPA 531.2	Aldicarb sulfoxide	NELAP	FL	3/20/2012
EPA 531.2	Carbaryl (Sevin)	NELAP	FL	3/20/2012
EPA 531.2	Carbofuran (Furaden)	NELAP	FL	3/20/2012
EPA 531.2	Methomyl (Lannate)	NELAP	FL	3/20/2012
EPA 531.2	Oxamyl (Vydate)	NELAP	FL	3/20/2012
EPA 547	Glyphosate	NELAP	FL	8/1/2002
EPA 548.1	Endothall	NELAP	FL	4/26/2001
EPA 549.2	Diquat	NELAP	FL	8/1/2002
EPA 551.1	Bromodichloromethane	NELAP	FL	4/26/2001
EPA 551.1	Bromoform	NELAP	FL	4/26/2001
EPA 551.1	Chloroform	NELAP	FL	4/26/2001
EPA 551.1	Dibromochloromethane	NELAP	FL	4/26/2001
EPA 551.1	Total trihalomethanes (TTHMs)	NELAP	FL	4/26/2001
EPA 552.2	Bromoacetic acid (Monobromoacetic acid, MBAA)	NELAP	FL	10/3/2001
EPA 552.2	Bromochloroacetic acid (BCAA)	NELAP	FL	2/10/2005
EPA 552.2	Chloroacetic acid (Monochloroacetic acid, MCAA)	NELAP	FL	10/3/2001
EPA 552.2	Dibromoacetic acid (DBAA)	NELAP	FL	10/3/2001
EPA 552.2	Dichloroacetic acid (DCAA)	NELAP	FL	10/3/2001
EPA 552.2	Total haloacetic acids	NELAP	FL	10/3/2001
EPA 552.2	Trichloroacetic acid (TCAA)	NELAP	FL	10/3/2001
EPA 906.0	Tritium	NELAP	FL	4/7/2006
Lachat 10-204-00-1X	Cyanide	NELAP	FL	3/20/2012
SM 2120 B	Color	NELAP	FL	4/7/2006
SM 2320 B	Alkalinity as CaCO ₃	NELAP	FL	4/26/2001
SM 2330 B	Corrosivity (Langlier index)	NELAP	FL	8/1/2002

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Method	Analyte	Accreditation Type	Primary	Effective Date
SM 2340 B	Total hardness as CaCO ₃	NELAP	FL	2/10/2005
SM 2510 B	Conductivity	NELAP	FL	2/10/2005
SM 2540 C	Residue, filterable (TDS)	NELAP	FL	2/10/2005
SM 4500-Cl G	Total chlorine	NELAP	FL	4/12/2011
SM 4500-F- C	Fluoride	NELAP	FL	2/10/2005
SM 4500-PE	Orthophosphate as P	NELAP	FL	2/10/2005
SM 5310 C	Dissolved organic carbon (DOC)	NELAP	FL	10/3/2001
SM 5310 C	Total organic carbon (TOC)	NELAP	FL	10/4/2001
SM 5910 B	UV 254	NELAP	FL	10/3/2001
SM 7110 B	Gross alpha	NELAP	FL	9/10/2003
SM 7110 B	Gross beta	NELAP	FL	9/10/2003
SM 7110 C	Gross alpha	NELAP	FL	9/10/2003
SM 7500-Ra B	Radium-226	NELAP	FL	9/10/2003
SM 7500-Ra D	Radium-228	NELAP	FL	9/10/2003
SM 7500-Rn B	Radon-222	NELAP	FL	3/20/2012
SM 9215 B	Heterotrophic bacteria (Enumeration)	NELAP	FL	4/9/2004
SM 9223 B	E. coli (Enumeration)	NELAP	FL	4/12/2011
SM 9223 B	Total coliform (Enumeration)	NELAP	FL	3/25/2008
SimPlate	Heterotrophic bacteria (Enumeration)	NELAP	FL	2/12/2007
Technicon 380-75WE	Fluoride	NELAP	FL	8/1/2002