State of Florida

Department of Health, Bureau of Public Health Laboratories

This is to certify that

E67983

U.S. GEOLOGICAL SURVEY NATIONAL WATER QUALITY
LABORATORY
BUILDING 95 DENVER FEDERAL CENTER
LAKEWOOD, CO 80225

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - PESTICIDES-HERBICIDES-PCB'S, NON-POTABLE WATER - VOLATILE ORGANICS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2015 Expiration Date: June 30, 2016

Carina Blackmore, DVM, PhD, Dipl. ACVPM, CPM
Chief, Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E67983-12-07/01/2015
Supersedes all previously issued certificates

Laboratory Scope of Accreditation

Attachment to Certificate #: E67983-12, expiration date June 30, 2016. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E67983 **EPA Lab Code:** CO00009 **(303) 236-3501**

E67983
U.S. Geological Survey National Water Quality Laboratory
Building 95 Denver Federal Center
Lakewood, CO 80225

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1-Trichloroethane	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
1,1,2,2-Tetrachloroethane	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
1,1,2-Trichloroethane	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
1,1-Dichloroethane	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
1,1-Dichloroethylene	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
1,2,4-Trichlorobenzene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
1,2-Dichlorobenzene	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
1,2-Dichloroethane	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
1,2-Dichloropropane	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
1,3-Dichlorobenzene	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
1,4-Dichlorobenzene	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
2,4,6-Trichlorophenol	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
2,4-Dichlorophenol	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
2,4-Dimethylphenol	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
2,4-Dinitrophenol	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
2,4-Dinitrotoluene (2,4-DNT)	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
2,6-Dinitrotoluene (2,6-DNT)	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
2-Chloronaphthalene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
2-Chlorophenol	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
2-Nitrophenol	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
4,4'-DDE	USGS O-1126-95	Pesticides-Herbicides-PCB's	NELAP	7/1/2006
4-Bromophenyl phenyl ether	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
4-Chloro-3-methylphenol	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
4-Chlorophenyl phenylether	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Acenaphthene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Acenaphthylene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
alpha-BHC (alpha-Hexachlorocyclohexane)	USGS O-1126-95	Pesticides-Herbicides-PCB's	NELAP	7/1/2006
Aluminum	USGS I-4471-97	Metals	NELAP	7/1/2006
Aluminum	USGS I-4472-97	Metals	NELAP	7/1/2006
Ammonia as N	USGS I-2522-90	General Chemistry	NELAP	7/1/2006
Anthracene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Antimony	USGS I-4472-97	Metals	NELAP	7/1/2006
Azinphos-methyl (Guthion)	USGS O-1126-95	Pesticides-Herbicides-PCB's	NELAP	7/1/2006
Barium	USGS I-4471-97	Metals	NELAP	7/1/2006
Barium	USGS I-4472-97	Metals	NELAP	7/1/2006

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Lakewood, CO 80225

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Benzene	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
Benzo(a)anthracene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Benzo(a)pyrene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Benzo(b)fluoranthene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Benzo(g,h,i)perylene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Benzo(k)fluoranthene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Beryllium	USGS I-4471-97	Metals	NELAP	7/1/2006
Beryllium	USGS I-4472-97	Metals	NELAP	7/1/2006
bis(2-Chloroethoxy)methane	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
bis(2-Chloroethyl) ether	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
bis(2-Ethylhexyl) phthalate (DEHP)	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Butyl benzyl phthalate	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Cadmium	USGS I-4471-97	Metals	NELAP	7/1/2006
Cadmium	USGS I-4472-97	Metals	NELAP	7/1/2006
Calcium	USGS I-4471-97	Metals	NELAP	7/1/2006
Chemical oxygen demand	USGS I-3561-85	General Chemistry	NELAP	7/1/2006
Chloride	USGS I-2057-85	General Chemistry	NELAP	7/1/2006
Chlorobenzene	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
Chrysene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
cis-1,3-Dichloropropene	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
Cobalt	USGS I-4471-97	Metals	NELAP	7/1/2006
Copper	USGS I-4471-97	Metals	NELAP	7/1/2006
Diazinon	USGS O-1126-95	Pesticides-Herbicides-PCB's	NELAP	7/1/2006
Dibenz(a,h)anthracene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Dibromochloromethane	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
Diethyl phthalate	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Dimethyl phthalate	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Di-n-butyl phthalate	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Di-n-octyl phthalate	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Disulfoton	USGS O-1126-95	Pesticides-Herbicides-PCB's	NELAP	7/1/2006
Ethylbenzene	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
Fluoranthene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Hexachlorobenzene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Iron	USGS I-4471-97	Metals	NELAP	7/1/2006
Isophorone	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Kjeldahl nitrogen - total	USGS I-4515-91	General Chemistry	NELAP	7/1/2006

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Lead	USGS I-4472-97	Metals	NELAP	7/1/2006
Magnesium	USGS I-4471-97	Metals	NELAP	7/1/2006
Malathion	USGS O-1126-95	Pesticides-Herbicides-PCB's	NELAP	7/1/2006
Manganese	USGS I-4471-97	Metals	NELAP	7/1/2006
Manganese	USGS I-4472-97	Metals	NELAP	7/1/2006
Mercury	USGS I-4464-01	Metals	NELAP	7/1/2006
Methyl parathion (Parathion, methyl)	USGS O-1126-95	Pesticides-Herbicides-PCB's	NELAP	7/1/2006
Methylene chloride	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
Molybdenum	USGS I-4471-97	Metals	NELAP	7/1/2006
Molybdenum	USGS I-4472-97	Metals	NELAP	7/1/2006
Naphthalene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Nickel	USGS I-4471-97	Metals	NELAP	7/1/2006
Nitrobenzene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
n-Nitrosodimethylamine	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
n-Nitrosodi-n-propylamine	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Orthophosphate as P	USGS I-2601-90	General Chemistry	NELAP	7/1/2006
Parathion, ethyl	USGS O-1126-95	Pesticides-Herbicides-PCB's	NELAP	7/1/2006
Phenanthrene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Phenol	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Phosphorus, total	USGS I-4610-91	General Chemistry	NELAP	7/1/2006
Potassium	SM 3120 B	Metals	NELAP	7/1/2006
Pyrene	USGS O-3116-87	Extractable Organics	NELAP	7/1/2006
Residue-filterable (TDS)	USGS I-1750-85	General Chemistry	NELAP	7/1/2006
Residue-total	USGS I-3750-85	General Chemistry	NELAP	7/1/2006
Silver	USGS I-4471-97	Metals	NELAP	7/1/2006
Silver	USGS I-4472-97	Metals	NELAP	7/1/2006
Sodium	USGS I-4471-97	Metals	NELAP	7/1/2006
Sulfate	USGS I-2057-85	General Chemistry	NELAP	7/1/2006
Tetrachloroethylene (Perchloroethylene)	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
Thallium	USGS I-4472-97	Metals	NELAP	7/1/2006
Toluene	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
trans-1,3-Dichloropropene	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
Trichloroethene (Trichloroethylene)	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
Vanadium	USGS I-4471-97	Metals	NELAP	7/1/2006
Vinyl chloride	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006
Xylene (total)	USGS O-4127-96	Volatile Organics	NELAP	7/1/2006

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Analyte	Method/Tech	Category	Certification Type	Effective Date
Zinc	USGS I-4471-97	Metals	NELAP	7/1/2006