NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2017
Issued April 01, 2016
Revised October 07, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. DAVID REPPERT
USGS NATIONAL WATER QUALITY LABORATORY
BLDG 95-DENVER FEDERAL CENTER
DENVER, CO 80225-0585

NY Lab Id No: 11642

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Carbamate Pesticides

Carbaryl	USGS O-1126-95
Carbofuran	USGS O-1126-95

Chlorinated Hydrocarbon Pesticides

4,4'-DDE	USGS O-1126-95
alpha-BHC	USGS O-1126-95
Dieldrin	USGS O-1126-95
Lindane	USGS O-1126-95
Trifluralin	USGS O-1126-95

Chlorinated Hydrocarbons

1,2,4-Trichlorobenzene	USGS O-3116-87
2-Chloronaphthalene	USGS O-3116-87
Hexachlorobenzene	USGS O-3116-87
Hexachlorobutadiene	USGS O-3116-87
Hexachloroethane	USGS O-3116-87

Fuel Oxygenates

Methyl tert-butyl ether	USGS O-4127-96
tert-butyl ethyl ether (ETBE)	USGS O-4127-96

Haloethers

2,2'-Oxybis(1-chloropropane)	USGS O-3116-87
4-Bromophenylphenyl ether	USGS O-3116-87
4-Chlorophenylphenyl ether	USGS O-3116-87
Bis(2-chloroethoxy)methane	USGS O-3116-87
Bis(2-chloroethyl)ether	USGS O-3116-87

Metals I

Barium, Total	USGS I-4471-97
	USGS I-4472-97
Cadmium, Total	USGS I-4471-97
	USGS I-4472-97
Calcium, Total	USGS I-4471-97
Chromium, Total	USGS I-4020-05
Copper, Total	USGS I-4020-05
	USGS I-4471-97
Iron, Total	USGS I-4471-97
Lead, Total	USGS I-4472-97
Magnesium, Total	USGS I-4471-97
Manganese, Total	USGS I-4471-97
	USGS I-4472-97
Nickel, Total	USGS I-4020-05
	USGS I-4471-97
Potassium, Total	SM 3120B-99,-11
Silver, Total	USGS I-4471-97
	USGS I-4472-97
Sodium, Total	USGS I-4471-97
Strontium, Total	USGS I-4472-97

Metals II

Aluminum, Total	USGS I-4471-97
	USGS I-4472-97
Antimony, Total	USGS I-4472-97
Arsenic, Total	USGS I-4020-05

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Metals II

Beryllium, Total	USGS I-4471-97
	USGS I-4472-97
Mercury, Low Level	USGS I-4464-01
Selenium, Total	USGS I-4020-05
Vanadium, Total	USGS I-4020-05
	USGS I-4471-97
Zinc, Total	USGS I-4020-05
	USGS I-4471-97

Metals III

Cobalt, Total	USGS I-4020-05
	USGS I-4471-97
Molybdenum, Total	USGS I-4471-97
	USGS I-4472-97
Thallium, Total	USGS I-4472-97

Mineral

Chloride	USGS I-2057-85
Fluoride, Total	USGS I-2057-85
Sulfate (as SO4)	USGS I-2057-85

Miscellaneous

Boron, Total	USGS I-4471-97
	USGS I-4472-97
Color	USGS I-1250-85
Organic Carbon, Total	SM 5310B-00,-11
Silica, Dissolved	USGS I-2700-85

Miscellaneous

Surfactant (MBAS)	USGS O-3128-95

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	USGS O-3116-87
2,6-Dinitrotoluene	USGS O-3116-87
Isophorone	USGS O-3116-87
Nitrobenzene	USGS O-3116-87

Nitrosoamines

N-Nitrosodimethylamine	USGS O-3116-87
N-Nitrosodi-n-propylamine	USGS O-3116-87
N-Nitrosodiphenylamine	USGS O-3116-87

Nutrient

Ammonia (as N)	USGS I-2522-90
Kjeldahl Nitrogen, Total	USGS I-4515-91
Nitrate-Nitrite (as N)	USGS I-2547-11
Nitrite (as N)	USGS I-2540-90
Orthophosphate (as P)	USGS I-2601-90
Phosphorus, Total	EPA 365.1 Rev. 2.0
	USGS I-4610-91

Organophosphate Pesticides

Atrazine	USGS O-1126-95
Azinphos methyl	USGS O-1126-95
Chlorpyriphos	USGS O-1126-95
Cyanizine	USGS O-1126-95
Diazinon	USGS O-1126-95

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Organophosphate Pesticides

Disulfoton	USGS O-1126-95
Malathion	USGS O-1126-95
Parathion ethyl	USGS O-1126-95
Parathion methyl	USGS O-1126-95
Pendimethalin	USGS O-1126-95
Phorate	USGS O-1126-95
Prometon	USGS O-1126-95
Simazine	USGS O-1126-95

Phthalate Esters

Benzyl butyl phthalate	USGS O-3116-87
Bis(2-ethylhexyl) phthalate	USGS O-3116-87
Diethyl phthalate	USGS O-3116-87
Dimethyl phthalate	USGS O-3116-87
Di-n-butyl phthalate	USGS O-3116-87
Di-n-octyl phthalate	USGS O-3116-87

Polynuclear Aromatics

Acenaphthene	USGS O-3116-87
Acenaphthylene	USGS O-3116-87
Anthracene	USGS O-3116-87
Benzo(a)anthracene	USGS O-3116-87
Benzo(a)pyrene	USGS O-3116-87
Benzo(b)fluoranthene	USGS O-3116-87
Benzo(ghi)perylene	USGS O-3116-87
Benzo(k)fluoranthene	USGS O-3116-87
Chrysene	USGS O-3116-87

Polynuclear Aromatics

Dibenzo(a,h)anthracene	USGS O-3116-87
Fluoranthene	USGS O-3116-87
Fluorene	USGS O-3116-87
Indeno(1,2,3-cd)pyrene	USGS O-3116-87
Naphthalene	USGS O-3116-87
Phenanthrene	USGS O-3116-87
Pyrene	USGS O-3116-87

Priority Pollutant Phenols

2,4,6-Trichlorophenol	USGS O-3116-87
2,4-Dichlorophenol	USGS O-3116-87
2,4-Dimethylphenol	USGS O-3116-87
2,4-Dinitrophenol	USGS O-3116-87
2-Chlorophenol	USGS O-3116-87
2-Nitrophenol	USGS O-3116-87
4-Chloro-3-methylphenol	USGS O-3116-87
Pentachlorophenol	USGS O-4127-96
Phenol	USGS O-3116-87

Radiological Analytes

Radon	ASTM D5072-92

Residue

Solids, Total	USGS I-3750-85
Solids, Total Dissolved	USGS I-1750-85

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	USGS O-4127-96

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Volatile Aromatics

1,2,4-Trimethylbenzene	USGS O-4127-96
1,2-Dichlorobenzene	USGS O-4127-96
1,3,5-Trimethylbenzene	USGS O-4127-96
1,3-Dichlorobenzene	USGS O-4127-96
1,4-Dichlorobenzene	USGS O-4127-96
2-Chlorotoluene	USGS O-4127-96
4-Chlorotoluene	USGS O-4127-96
Benzene	USGS O-4127-96
Bromobenzene	USGS O-4127-96
Chlorobenzene	USGS O-4127-96
Ethyl benzene	USGS O-4127-96
Isopropylbenzene	USGS O-4127-96
m/p-Xylenes	USGS O-4127-96
Naphthalene, Volatile	USGS O-4127-96
n-Butylbenzene	USGS O-4127-96
n-Propylbenzene	USGS O-4127-96
o-Xylene	USGS O-4127-96
sec-Butylbenzene	USGS O-4127-96
Styrene	USGS O-4127-96
tert-Butylbenzene	USGS O-4127-96
Toluene	USGS O-4127-96
Total Xylenes	USGS O-4127-96

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	USGS O-4127-96
1,1,1-Trichloroethane	USGS O-4127-96

Volatile Halocarbons

1,1,2,2-Tetrachloroethane	USGS O-4127-96
1,1,2-Trichloroethane	USGS O-4127-96
1,1-Dichloroethane	USGS O-4127-96
1,1-Dichloroethene	USGS O-4127-96
1,1-Dichloropropene	USGS O-4127-96
1,2,3-Trichloropropane	USGS O-4127-96
1,2-Dibromo-3-chloropropane	USGS O-4127-96
1,2-Dibromoethane	USGS O-4127-96
1,2-Dichloroethane	USGS O-4127-96
1,2-Dichloropropane	USGS O-4127-96
1,3-Dichloropropane	USGS O-4127-96
2,2-Dichloropropane	USGS O-4127-96
3-Chloropropene (Allyl chloride)	USGS O-4127-96
Bromochloromethane	USGS O-4127-96
Bromodichloromethane	USGS O-4127-96
Bromoform	USGS O-4127-96
Bromomethane	USGS O-4127-96
Carbon tetrachloride	USGS O-4127-96
Chloroethane	USGS O-4127-96
Chloroform	USGS O-4127-96
Chloromethane	USGS O-4127-96
cis-1,2-Dichloroethene	USGS O-4127-96
cis-1,3-Dichloropropene	USGS O-4127-96
Dibromochloromethane	USGS O-4127-96
Dibromomethane	USGS O-4127-96
Dichlorodifluoromethane	USGS O-4127-96

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Volatile Halocarbons

Hexachlorobutadiene, Volatile	USGS O-4127-96
Methyl iodide	USGS O-4127-96
Methylene chloride	USGS O-4127-96
Tetrachloroethene	USGS O-4127-96
trans-1,2-Dichloroethene	USGS O-4127-96
trans-1,3-Dichloropropene	USGS O-4127-96
Trichloroethene	USGS O-4127-96
Trichlorofluoromethane	USGS O-4127-96
Vinyl chloride	USGS O-4127-96

Volatiles Organics

2-Butanone (Methylethyl ketone)	USGS O-4127-96
2-Hexanone	USGS O-4127-96
4-Methyl-2-Pentanone	USGS O-4127-96
Acetone	USGS O-4127-96
Carbon Disulfide	USGS O-4127-96
Di-ethyl ether	USGS O-4127-96
Tetrahydrofuran	USGS O-4127-96

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