

State of Missouri
Department of Natural Resources

Certificate of Approval
for Chemical Laboratory Service

This is to certify that

Eurofins Lancaster Laboratories
Environmental, LLC

is hereby approved to perform the analysis of drinking water as specified on the
Certified Parameter List, which must accompany this certificate to be valid.

Certification No. _____ 450

Date Issued _____ March 14, 2018

Expiration Date _____ January 31, 2019

Chief, Public Drinking Water Branch
Water Protection Program
Department of Natural Resources

Director, Environmental Services Program
Department of Natural Resources

Evaluation Officer, Environmental Services Program
Department of Natural Resources

MISSOURI DEPARTMENT OF NATURAL RESOURCES

DRINKING WATER LABORATORY

CERTIFIED PARAMETER LIST

This is to certify that

Eurofins Lancaster Laboratories Environmental, LLC

located at

2425 New Holland Pike, Lancaster, Pennsylvania

has been approved to perform the indicated procedures on drinking water under the Missouri Public Drinking Water Regulations (10 CSR 60-5.020). Specific method numbers or references are included in parenthesis when appropriate.

INORGANIC:

EPA 110.2 – Color

EPA 150.1 – pH

EPA 180.1 – Turbidity

EPA 200.7 – Aluminum, Barium, Calcium, Chromium, Cobalt, Copper, Iron, Lithium, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Strontium, Sulfur, Tin, Vanadium, Zinc

EPA 200.8 – Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Sodium, Strontium, Thallium, Zinc

EPA 245.1 – Mercury

EPA 300.0 – Bromide, Chloride, Fluoride, Nitrate as N, Nitrite as N, Sulfate

EPA 335.4 – Cyanide

EPA 353.2 – Nitrate as N, Nitrite as N, Nitrate + Nitrite as N

SM 2120B – Color	SM 4500Cl-F – Total Residual Chlorine
SM 2130B – Turbidity	SM 4500F-C – Fluoride
SM 2320D – Alkalinity as CaCO ₃	SM 4500H⁺-B – pH
SM 2340C – Total Hardness as CaCO ₃	SM 4500P-E – Orthophosphate as P
SM 2510B – Conductivity	SM 4500SiO₂-C – Silica, dissolved
SM 2540C – Total Dissolved Solids (TDS)	SM 5310C – Total Organic Carbon
SM 2540D – Non-filterable Residue (TSS)	SM 5540C – Surfactants as MBAs
SM 2550B – Temperature	

ORGANIC:

EPA 524.2 – 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, 1,1,1-Trichloroethane 1,1,2-Trichloroethane, 1,1-Dichloro-2-propanone, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethylene 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichloropropane, 1,3-Dichloropropane, 1-Chlorobutane, 2,2-Dichloropropane, 2-Butanone, 2-Chlorotoluene, 2-Hexanone, 2-Nitropropane, 4-Chlorotoluene, 4-Methyl-2-Pentanone, Acetone, Acrylonitrile, Allyl Chloride, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon Disulfide, Carbon Tetrachloride, Chloroacetonitrile, Chlorobenzene, Chloroethane, Chloroform, Dibromochloromethane, Dibromomethane, Dichlorodifluoromethane, Diethyl Ether, Diisopropyl ether, Ethylbenzene, Ethyl Methacrylate, Methyl Chloride, Ethyl tert-butyl ether, Hexachlorobutadiene, Hexachloroethane, Isopropylbenzene, Methacrylonitrile, Methyl Bromide, Methyl Iodide, Methyl tert-butyl ether, Methacrylate, Methylene Chloride, Methylmethacrylate, Naphthalene, Nitrobenzene, Pentachloroethane, Propionitrile, Styrene, Tetrachloroethene, Tetrahydrofuran, Toluene, Total Trihalomethanes, Trichloroethene, Trichlorofluoromethane, Vinyl Chloride, Xylenes (total), cis-1,3-Dichloropropene, n-Butylbenzene, n-Propylbenzene, p-Isopropyltoluene, sec-Butylbenzene, tert-Amyl methyl ether, tert-Butyl alcohol, tert-Butylbenzene, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene, cis-1,2-Dichloroethene, m+p Xylene, o-Xylene, trans-1,2-Dichloroethene

EPA 525.2 – 2,3-Dichlorobiphenyl, Acenaphthene, Acenaphthylene, Alachlor (Lasso), Aldrin, Anthracene, Atrazine, Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[ghi]perylene, Benzo[k]fluoranthene, Benzyl butyl phthalate, Butachlor, Chrysene, Di-n-butyl phthalate, Dibenzo[a,h]anthracene, Dieldrin, Diethyl phthalate, Dimethyl phthalate, Endrin, Fluoranthene, Fluorene, Heptachlor, Heptachlor Epoxide, Hexachlorobenzene, Hexachlorocyclopentadiene, Indeno(1,2,3-cd)pyrene, Methoxychlor, Metolachlor, Metribuzin, Phenanthrene, Propachlor, Pyrene, Simazine, bis(2-Ethylhexyl) adipate, bis(2-Ethylhexyl) phthalate, gamma-BHC (Lindane)

EPA 531.1 – 3-Hydroxycarbofuran, Aldicarb, Aldicarb sulfone, Aldicarb sulfoxide, Carbaryl (Sevin), Carbofuran (Furden), Methomyl (Lannate), Oxamyl (Vydate)

EPA 537

Perfluorobutanesulfonic acid (PFBS), Perfluorodecanoic acid (PFDA), Perfluorododecanoic acid (PFDoA), Perfluoroheptanoic acid (PFHpA), Perfluorohexanesulfonic acid (PFHxS), Perfluorohexanoic acid (PFHxA), Perfluorononanoic acid (PFNA), Perfluorooctanesulfonic acid (PFOS), Perfluorooctanoic acid (PFOA), Perfluorotetradecanoic acid (PFTA), Perfluorotridecanoic acid (PFTrDA), Perfluoroundecanoic acid (PFUnA)

EPA 1613B – 2,3,7,8-TCDD (Dioxin)

Expiration Date: January 31, 2019
Parameters Updated August 29, 2018
Missouri Certificate No.: 450
Original Certifying State: Pennsylvania