

**State of Missouri
Department of Natural Resources**

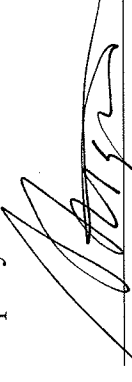
**Certificate of Approval
for Chemical Laboratory Service**

This is to certify that

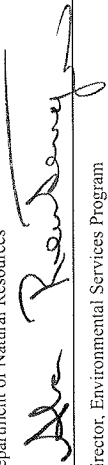
Underwriters Laboratories, Inc.

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. 880
Date Issued July 26, 2011
Expiration Date June 30, 2012



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

Underwriters Laboratories, Inc.

located at

110 South Hill Street, South Bend, IN 46617

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.

METALS

EPA 200.7 - Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Silica, Silver, Sodium; **EPA 200.8** - Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Manganese, Nickel, Selenium, Silver, Thallium, Zinc; **EPA 245.1** - Mercury

INORGANIC NONMETALLIC CONSTITUENTS

SM4500CL-G - Chlorine; **SM4500F-C** - Fluoride; **SM4500P-E** - Ortho-Phosphate; **TECHNICON 380-75-WE** - Fluoride; **EPA 150.1** - Hydrogen Ion (pH); **EPA 300.0** - Bromide, Chlorate, Chloride, Chlorite, Fluoride, Nitrate, Sulfate; **EPA 300.1** - Bromate; **EPA 314.0** - Perchlorate; **EPA 317.0** - Bromate; **EPA 331.0** - Perchlorate; **EPA 335.4** - Cyanide; **EPA 353.2** - Nitrate, Nitrate-Nitrite Total, Nitrite

PHYSICAL & AGGREGATE PROPERTIES

SM2320B - Total Alkalinity; **SM2330B** - Corrosivity by Langelier Index; **SM2340B** - Total Hardness; **SM2510B** - Conductivity; **SM2540C** - Total Dissolved Solids (TDS); **EPA 180.1** - Turbidity

AGGREGATE ORGANIC CONSTITUENTS

SM5310C - Dissolved Organic Carbon (DOC), Total Organic Carbon (TOC); **SM5910B** - UV-254

RADIOCHEMISTRY

SM7110B - Gross Alpha, Gross Beta; **SM7110C** - Gross Alpha; **SM7500-RA-B** - Radium 226; **SM7500-RA-D** - Radium 228; **EPA 200.8** - Uranium; **EPA 906** - Tritium

ORGANIC COMPOUNDS

EPA 504.1 - 1,2-Dibromo-3-chloropropane (DBCP), 1,2-Dibromoethane (EDB); **EPA 505** - Chlordane, PCB's as Aroclors, Toxaphene; **EPA 515.3** - 2,4,5-T, 2,4-D, Acifluorfen, Dacthal (DCPA), Dalapon, Dicamba, Dinoseb, Pentachlorophenol, Picloram, Silvex (2,4,5-TP); **EPA 524.2** - 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, Carbon tetrachloride, Chlorobenzene, Chloroform, , cis-1,2-Dichloroethene, Dibromochloromethane, Dichloromethane, Ethylbenzene, Ethyl tert-butyl ether (ETBE), Methyl tert-butyl ether (MTBE), Styrene, tert-amyl methyl ether (TAME), tert-butyl alcohol(TBA), Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, Trichloroethylene (TCE), Vinyl Chloride, Xylene (total); **EPA 525.2** - Alachlor, Aldrin, Atrazine, Benzo(a)pyrene, Bromacil, Butachlor, Di(2-ethylhexyl)adipate, Dieldrin, Di(2-ethylhexyl)phthalate, Endrin, gamma-BHC (Lindane), Heptachlor, Heptachlor Epoxide, Hexachlorobenzene, Hexachlorocyclopentadiene, Metolachlor, Methoxychlor, Metribuzin, Molinate, Prometryn, Propachlor, Simazine, Trifluralin; **EPA 526** - Acetochlor, Cyanazine, Diazinon, Prometon; **EPA 531.1** - 3-Hydroxycarbofuran, Aldicarb (Temik), Aldicarb sulfone, Aldicarb sulfoxide, Carbaryl (Sevin), Carbofuran (Furaden), Methiocarb, Methomyl (Lannate), Oxamyl, Propoxur (Baygon); **EPA 547** - Glyphosate; **EPA 548.1** - Endothall; **EPA 549.2** - Diquat, Paraquat; **EPA 551.1** - Bromodichloromethane, Bromoform, Chloral hydrate, Chloroform, Dibromochloromethane, Total Trihalomethanes, Trichloroacetonitrile; **EPA 552.2** - Bromoacetic acid, Chloroacetic acid, Dibromoacetic acid, Dichloroacetic acid, Trichloroacetic acid

Expiration Date: June 30, 2012
Certificate No.: 880
Original Certifying State: Florida