



Central Laboratory Chemical Testing List

Note: The Chemistry labs exclusively test drinking water samples and does not currently accept homeowner samples that were not lead and copper samples that were previously submitted to LDH Engineering Services.

Inorganics Laboratory		
Analytical Method	Analytes	Notes
EPA 300.0-Determination of Inorganic Anions by Ion Chromatography	Fluoride, Nitrate, Nitrite, ortho-Phosphate*, Sulfate*, Chloride*	*Secondary contaminants
EPA 353.2-Determination of Nitrate-Nitrite Nitrogen by Automated Colorimetry	Nitrate/Nitrite	
EPA 335.4-Determination of Total Cyanide by Semi-Automated Colorimetry	Total Cyanide	
EPA 150.1/SM 2320.B	pH/ Alkalinity	SM=Standard Methods
SM 2510.B	Conductivity	SM=Standard Methods

Trace Metals Laboratory		
Analytical Method	Analytes	Notes
EPA 200.7-Determination of Metals and Trace Elements by Inductively Coupled Plasma-Atomic Emission Spectrometry	Aluminum*, Calcium*, Iron*, Magnesium*, Potassium*, Silver*, Sodium*, Zinc*, Boron*, Lithium*, Manganese*, Phosphorus*, Silica*	*Secondary contaminants
EPA 200.8-Determination of Trace Elements in Waters by Inductively Coupled Plasma-Mass Spectrometry	Antimony, Barium*, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Thallium, Uranium, Arsenic, Mercury	*Secondary contaminant
EPA 245.2-Mercury by Automated Cold Vapor Technique	Mercury	
EPA 180.1-Determination of Turbidity	Turbidity	

Organics Laboratory

Analytical Method	Analytes	Notes
EPA 524.2-Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry	Volatile Organic Compounds; Trihalomethanes: Bromodichloromethane, Bromoform, Chlorodibromomethane, Chloroform	The Trihalomethanes are also disinfection byproducts.
EPA 552.3-Determination of Haloacetic Acids in Drinking Water by Liquid-Liquid Microextraction, Derivatization, and Gas Chromatography with Electron Capture Detection	Monochloroacetic acid, Dichloroacetic acid, Trichloroacetic acid, Monobromoacetic acid, Dibromoacetic acid, Bromochloroacetic acid	These analytes are also disinfection byproducts.