

It is recommended that data from the following laboratory be accepted for drinking water analyses for regulatory purposes by the Hawaii Department of Health, Safe Drinking Water Branch for the contaminants listed.

**Effective Date: January 30, 2024**

**Expiration Date: January 29, 2025**

**Accreditation Authority: Oregon NELAP**

**Enthalpy Analytical  
931 W. Barkley Ave.  
Orange, California 92868  
(714) 771-6900**

**Inorganic Chemistry and Physical Properties of Drinking Water**

pH	EPA 150.1, SM 4500-H+ B
Turbidity	EPA 180.1, SM 2130B
Calcium hardness as CaCO <sub>3</sub>	EPA 200.7
Total hardness as CaCO <sub>3</sub>	EPA 200.7
Alkalinity as CaCO <sub>3</sub>	SM 2320B
Residue-filterable (TDS)	SM 2540 C-97
Residue-nonfilterable (TSS)	SM 2540 D-2011
Chlorine, Free and Total	SM 4500Cl G
Dissolved organic carbon	SM 5310 B
Total organic carbon	SM 5310 B
Chloride	EPA 300.0
Fluoride	EPA 300.0, SM 4500-F C
Nitrate as N	EPA 300.0, SM 4500-NO <sub>3</sub> <sup>-</sup> F
Nitrate plus Nitrite as N	EPA 300.0, SM 4500-NO <sub>3</sub> <sup>-</sup> F
Nitrite as N	EPA 300.0, SM 4500-NO <sub>3</sub> <sup>-</sup> F
Sulfate	EPA 300.0
Perchlorate	EPA 314.0
Total cyanide	EPA 335.4, SM 4500-CN E-1999

**Inorganic Chemistry Trace Metals of Drinking Water**

Aluminum	EPA 200.7, 200.8
Antimony	EPA 200.8
Arsenic	EPA 200.8
Barium	EPA 200.7, 200.8
Beryllium	EPA 200.7, 200.8
Boron	EPA 200.7, 200.8
Cadmium	EPA 200.7, 200.8
Calcium	EPA 200.7, 200.8

Chromium	EPA 200.7, 200.8
Copper	EPA 200.7, 200.8
Iron	EPA 200.7, 200.8
Lead	EPA 200.8
Magnesium	EPA 200.7, 200.8
Manganese	EPA 200.7, 200.8
Molybdenum	EPA 200.8
Nickel	EPA 200.7, 200.8
Potassium	EPA 200.7, 200.8
Selenium	EPA 200.8
Silica as SiO <sub>2</sub>	EPA 200.7, SM 4500-SiO <sub>2</sub> C, 4500-SiO <sub>2</sub> D
Silver	EPA 200.7, 200.8
Sodium	EPA 200.7
Thallium	EPA 200.8
Vanadium	EPA 200.8
Zinc	EPA 200.7, 200.8
Mercury	EPA 245.1

### **Organic Chemistry of Drinking Water**

1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethylene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,2-Dichloroethane (Ethylene dichloride)	EPA 524.2
1,2-Dichloropropane	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,3-Dichloropropane	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2,2-Dichloropropane	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
4-Isopropyltoluene (p-Cymene)	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Bromochloromethane	EPA 524.2
Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Carbon tetrachloride	EPA 524.2

Chlorobenzene	EPA 524.2
Chlorodibromomethane	EPA 524.2
Chloroethane (Ethyl chloride)	EPA 524.2
Chloroform	EPA 524.2
Cis-1,2-dichloroethylene	EPA 524.2
Cis-1,3-dichloropropene	EPA 524.2
Di-isopropylether (DIPE)	EPA 524.2
Dibromomethane (Methylene bromide)	EPA 524.2
Dichlorodifluoromethane (Freon-12)	EPA 524.2
Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)	EPA 524.2
Ethylbenzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene (Cumene)	EPA 524.2
Methyl chloride (Chloromethane)	EPA 524.2
Methyl tert-butyl ether (MTBE)	EPA 524.2
Methylene chloride (Dichloromethane)	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
T-amylmethylether (TAME)	EPA 524.2
Tert-butyl alcohol	EPA 524.2
Tert-butylbenzene	EPA 524.2
Tetrachloroethylene (Perchloroethylene)	EPA 524.2
Toluene	EPA 524.2
Total trihalomethanes	EPA 524.2
Trans-1,2-Dichloroethylene	EPA 524.2
Trichloroethene (Trichloroethylene)	EPA 524.2
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 524.2
Vinyl Chloride	EPA 524.2

**RECOMMENDED:**

*gs jiao*

Feb 13, 2024

Guansheng Jiao, Ph.D.      Date  
 Certification Officer

**APPROVED:**

*Edward P. Desmond*

Feb 16, 2024

Edward P. Desmond, Ph.D., D(ABMM)      Date  
 State Laboratories Division Administrator