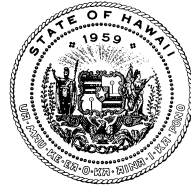


JOSH GREEN, M.D.  
GOVERNOR OF HAWAII  
KE KIA'ĀINA O KA MOKU'ĀINA 'O HAWAII



KENNETH S. FINK, MD, MGA, MPH  
DIRECTOR OF HEALTH  
KA LUNA HO'OKELE

**STATE OF HAWAII**  
**DEPARTMENT OF HEALTH**  
STATE LABORATORIES DIVISION  
2725 WAIMANO HOME ROAD  
PEARL CITY, HAWAII 96782-1496

In reply, please refer to:  
File: EHASB/Chemistry

January 11, 2024

Ms. Julia Sudds  
Interim Quality Division Leader  
Babcock Laboratories, Inc.  
6100 Quail Valley Court  
Riverside, CA 92507

Dear Ms. Sudds:

After a review of the required documents, we are pleased to recommend that the data for drinking water analyses be “accepted” for regulatory purposes by the Hawaii Department of Health, Safe Drinking Water Branch until **December 18, 2024** for the parameters listed on the following pages.

**All testing for regulatory drinking water purposes must be done with approved methods that are specified in this certification, and PT studies must be passed using these methodologies. The laboratory annually must successfully complete a PT study for each analyte to be certified. Failure to do so, would result in the loss of approval status with this state. In addition, the laboratory should perform its first PT study within the first half of the year.**

It is the laboratory’s responsibility to keep the Department of Health Certification Program informed by continuing to submit results of applicable PT studies, copies of in-state onsite evaluation reports, and immediate notification of any significant changes. The certification of your laboratory in Hawaii is based on your in-state and or on your NELAP certification. Any loss of certification for a specific parameter will result in loss of Hawaii certification for that parameter. **As a result, any changes to your in-state and or your NELAP certification status must be submitted immediately.**

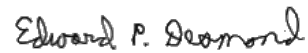
All samples that are contracted out by your laboratory for Hawaii regulatory drinking water monitoring purposes must be analyzed by laboratories that have been approved by the Hawaii Safe Drinking Water Program. A list of Hawaii approved certified laboratories is available from Guansheng (Frank) Jiao, Ph.D. (808-453-6679) or from the Hawaii Safe Drinking Water Program (808-586-4258).

Ms. Julia Sudds  
January 11, 2024  
Page 2

**To avoid interruption of your approval, you must submit a written request for renewal at least two months prior to the expiration date indicated above.**

If you have any questions, please call Guansheng (Frank) Jiao, Ph.D., Laboratory Certification Officer, at (808) 453-6679. Thank you for your time and efforts.

Sincerely,



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

ED: gj

Enclosure

c: D. Lopez, Chief, Safe Drinking Water Branch

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 11, 2024**

**Expiration Date: December 18, 2024**

**Accreditation Authority: Oregon NELAP**

**Babcock Laboratories, Inc.  
6100 Quail Valley Court  
Riverside, CA 92507  
(951) 653-3351**

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

pH	SM 4500-H+B
Turbidity	SM 2130-B
Alkalinity	SM 2320-B
Conductivity	SM 2510-B
Total Dissolved Solids (TDS)	SM 2540-C
Chlorine, Free, Total Residual	SM 4500-Cl G
Orthophosphate as P	SM 4500-P E
TOC/DOC	SM 5310-B
Surfactants	SM 5540-C
Cyanide, Total	SM 4500-CN E
Cyanide, Free	OIA-1677
Bromide	EPA 300.0, 300.1
Chloride	EPA 300.0
Fluoride	EPA 300.0, SM 4500-F C
Nitrate	EPA 300.0
Nitrite	EPA 300.0, SM 4500-NO2 B
Sulfate	EPA 300.0
Bromate	EPA 300.1
Chlorate	EPA 300.1
Chlorite	EPA 300.1
Perchlorate	EPA 314.0, 332.0
Calcium	EPA 200.7
Magnesium	EPA 200.7
Potassium	EPA 200.7
Silica	EPA 200.7
Sodium	EPA 200.7
Hardness (calc)	EPA 200.7, SM 2340-B

## **Inorganic Chemistry Trace Metals of Drinking Water**

Aluminum	EPA 200.8, 200.7
Antimony	EPA 200.8
Arsenic	EPA 200.8
Barium	EPA 200.8, 200.7
Beryllium	EPA 200.8
Cadmium	EPA 200.8, 200.7
Chromium	EPA 200.8, 200.7
Copper	EPA 200.8
Lead	EPA 200.8
Iron	EPA 200.7
Manganese	EPA 200.8, 200.7
Mercury	EPA 200.8, SM 3112-B
Nickel	EPA 200.8, 200.7
Selenium	EPA 200.8
Silver	EPA 200.7
Thallium	EPA 200.8
Vanadium	EPA 200.7
Zinc	EPA 200.8, 200.7
Chromium (VI)	EPA 218.6, 218.7

## **Organic Chemistry of Drinking Water**

### Regulated Volatile Organic Compounds

Benzene	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chlorobenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,1-Dichloroethylene	EPA 524.2
cis-1,2-Dichloroethylene	EPA 524.2
trans-1,2-Dichloroethylene	EPA 524.2
1,2-Dichloropropane	EPA 524.2
Ethylbenzene	EPA 524.2
Methylene chloride (Dichloromethane)	EPA 524.2
Styrene	EPA 524.2
Tetrachloroethylene	EPA 524.2
Toluene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
Trichloroethylene	EPA 524.2
Vinyl chloride	EPA 524.2
Xylenes, total	EPA 524.2

## Organic Chemistry of Drinking Water

Trihalomethanes (total)	EPA 524.2
Alachlor	EPA 525.2
Atrazine	EPA 525.2
Butachlor	EPA 525.2
Dieldrin	EPA 505
Endrin	EPA 505
Heptachlor	EPA 505
Heptachlor Epoxide	EPA 505
Hexachlorobenzene	EPA 505
Hexachlorocyclopentadiene	EPA 505
Gamma-BHC (Lindane)	EPA 505
Methoxychlor	EPA 505
Molinate	EPA 525.2
Simazine	EPA 525.2
PCBs as Aroclors (screen)	EPA 505
Toxaphene	EPA 505
Chlordane	EPA 505
Benzo(a)pyrene	EPA 525.2
Di(2-ethylhexyl) Adipate	EPA 525.2
Di(2-ethylhexyl) Phthalate	EPA 525.2
2,4-D	EPA 515.3
Dalapon	EPA 515.3
Dicamba	EPA 515.3
Dinoseb	EPA 515.3
Pentachlorophenol	EPA 515.3
Picloram	EPA 515.3
2,4,5-TP (Silvex)	EPA 515.3
Aldicarb	EPA 531.2
Aldicarb Sulfone	EPA 531.2
Aldicarb Sulfoxide	EPA 531.2
Carbaryl	EPA 531.2
Carbofuran	EPA 531.2
3-Hydroxycarbofuran	EPA 531.2
Methomyl	EPA 531.2
Oxamyl	EPA 531.2
Glyphosate	EPA 547
Endothall	EPA 548.1

## Organic Chemistry of Drinking Water

Bromoacetic Acid	EPA 552.3
Chloroacetic Acid	EPA 552.3
Dibromoacetic Acid	EPA 552.3
Dichloroacetic Acid	EPA 552.3
Trichloroacetic Acid	EPA 552.3
Perfluorobutane Sulfonate (PFBS)	EPA 537.1
Perfluorodecanoic acid (PFDA)	EPA 537.1
Perfluorododecanoic acid (PFDoA)	EPA 537.1
Perfluoroheptanoic acid (PFHpA)	EPA 537.1
Perfluorohexane Sulfonate (PFHxS)	EPA 537.1
Perfluorohexanoic acid (PFHxA)	EPA 537.1
Perfluorononanoic acid (PFNA)	EPA 537.1
Perfluorooctanoic Sulfonate (PFOS)	EPA 537.1
Perfluorooctanoic acid (PFOA)	EPA 537.1
Perfluorotetradecanoic acid (PFTA)	EPA 537.1
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1
Perfluoroundecanoic acid (PFUnA)	EPA 537.1
N-Methyl-perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	EPA 537.1
N-Ethyl-perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	EPA 537.1

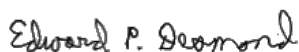
### **RECOMMENDED:**



Jan 11, 2024

Guansheng Jiao, Ph.D.      Date  
Certification Officer

### **APPROVED:**



Jan 12, 2024

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