

DAVID Y. IGE  
GOVERNOR OF HAWAII



BRUCE S. ANDERSON, Ph.D.  
DIRECTOR OF HEALTH

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

November 1, 2019

Ms. Theresa Johnson  
QA/QC Manager  
McCampbell Analytical, Inc.  
1534 Willow Pass Road  
Pittsburg, CA 94565-1701

Dear Ms. Johnson:

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 **October 31, 2020** 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 on-site evaluation reports, and immediate notification of any significant changes. The certification of your laboratory in Hawaii is based on your in-state and or your NELAP certification. 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 Robert Pineda (808-453-6679) or from the Hawaii Safe Drinking Water Program (808-586-4258).

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**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 Robert Pineda, Laboratory Certification Officer, at (808) 453-6679. Thank you for your time and efforts.

Sincerely,



Edward Desmond, Ph.D.  
State Laboratories Administrator

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ED:rp

Enclosure

c: J. Seto, Chief, Safe Drinking

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

**Effective Date: November 1, 2019**

**Expiration Date: October 31, 2020**

**McC Campbell Analytical, Inc.**  
Ms. Theresa Johnson  
QA/QC Manager  
1534 Willow Pass Road  
Pittsburg, California 94565-1701  
(877) 252 -9262

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

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<b>Bromate</b>	EPA 300.1
<b>Bromide</b>	EPA 300.1
<b>Chlorate</b>	EPA 300.1
<b>Chloride</b>	EPA 300.1
<b>Chlorite</b>	EPA 300.1
<b>Fluoride</b>	EPA 300.1
<b>Nitrate</b>	EPA 300.1
<b>Nitrite</b>	EPA 300.1
<b>Orthophosphate</b>	EPA 300.1
<b>Sulfate</b>	EPA 300.1
<b>Cyanide</b>	EPA 335.4, Kelada-01
<b>Cyanide, Amenable</b>	SM 4500CNG
<b>Alkalinity</b>	SM 2320B
<b>Hardness</b>	SM 2340B
<b>Conductivity</b>	SM 2510B
<b>Total Dissolved Solids</b>	SM 2540C
<b>Surfactants</b>	SM 5540C
<b>UV254</b>	SM 5910B

## Inorganic Chemistry Trace Metals of Drinking Water

<b>Aluminum</b>	EPA 200.7, EPA 200.8
<b>Antimony</b>	EPA 200.8
<b>Arsenic</b>	EPA 200.8
<b>Barium</b>	EPA 200.8
<b>Beryllium</b>	EPA 200.8
<b>Boron</b>	EPA 200.8
<b>Cadmium</b>	EPA 200.8
<b>Calcium</b>	EPA 200.7
<b>Chromium</b>	EPA 200.8
<b>Copper</b>	EPA 200.8
<b>Iron</b>	EPA 200.7
<b>Lead</b>	EPA 200.8
<b>Magnesium</b>	EPA 200.7
<b>Manganese</b>	EPA 200.7, EPA 200.8
<b>Nickel</b>	EPA 200.8
<b>Potassium</b>	EPA 200.7
<b>Selenium</b>	EPA 200.8
<b>Silver</b>	EPA 200.8
<b>Sodium</b>	EPA 200.7
<b>Thallium</b>	EPA 200.8
<b>Vanadium</b>	EPA 200.8
<b>Zinc</b>	EPA 200.8
<b>Mercury</b>	EPA 245.2, EPA 200.8
<b>Chromium (VI)</b>	EPA 218.6
<b>Silica</b>	EPA 200.7

## Organic Chemistry of Drinking Water

<b>1,2-Dibromoethane (EDB)</b>	EPA 524.3
<b>1,2-Dibromo-3-chloropropane (DBCP)</b>	EPA 524.3
<b>Regulated Volatile Organic Compounds</b>	EPA 524.2
<b>Vinyl Chloride</b>	EPA 524.2
<b>Trihalomethanes</b>	EPA 524.2
<b>Methyl tert-butyl Ether (MTBE)</b>	EPA 524.2
<b>Tert-Amyl Methyl Ether (TAME)</b>	EPA 524.2
<b>Ethyl tert-butyl Ether (ETBE)</b>	EPA 524.2
<b>Trichlorotrifluoroethane (Freon 113)</b>	EPA 524.2

## Organic Chemistry of Drinking Water

<b>Atrazine</b>	EPA 525.2
<b>Chlordane</b>	EPA 505
<b>Endrin</b>	EPA 505
<b>Heptachlor</b>	EPA 505
<b>Heptachlor Epoxide</b>	EPA 505
<b>Hexachlorobenzene</b>	EPA 505, EPA 525.2
<b>Hexachlorocyclopentadiene</b>	EPA 505, EPA 525.2
<b>Gamma-BHC(Lindane)</b>	EPA 505
<b>Methoxychlor</b>	EPA 505
<b>Simazine</b>	EPA 525.2
<b>Toxaphene</b>	EPA 505
<b>PCB Aroclor Screen</b>	EPA 505
<b>Di(2-Ethylhexyl) Adipate</b>	EPA 525.2
<b>Bis(2-Ethylhexyl) Phthalate</b>	EPA 525.2
<b>Molinate</b>	EPA 525.2
<b>Pentachlorophenol</b>	EPA 525.2
<b>Glyphosate</b>	EPA 547
<b>Endothall</b>	EPA 548.1
<b>Diquat</b>	EPA 549.2
<b>Bromoacetic Acid</b>	EPA 552.2
<b>Chloroacetic Acid</b>	EPA 552.2
<b>Dibromoacetic Acid</b>	EPA 552.2
<b>Dichloroacetic Acid</b>	EPA 552.2
<b>Trichloroacetic Acid</b>	EPA 552.2
<b>HAA5</b>	EPA 552.2
<b>2,4-D</b>	EPA 515.3
<b>Dalapon</b>	EPA 515.3
<b>Dinoseb</b>	EPA 515.3
<b>Pentachlorophenol</b>	EPA 515.3
<b>Picloram</b>	EPA 515.3
<b>2,4,5-TP (Silvex)</b>	EPA 515.3
<b>Bentazon</b>	EPA 515.3

**Organic Chemistry of Drinking Water**

<b>Aldicarb</b>	EPA 531.2
<b>Aldicarb Sulfone</b>	EPA 531.2
<b>Aldicarb Sulfoxide</b>	EPA 531.2
<b>Carbaryl</b>	EPA 531.2
<b>Carbofuran</b>	EPA 531.1, EPA 531.2
<b>Methomyl</b>	EPA 531.2
<b>Oxamyl</b>	EPA 531.1, EPA 531.2
<b>3-Hydroxycarbofuran</b>	EPA 531.2

**RECOMMENDED:**



11/1/19

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Robert Pineda  
Certification Officer

Date

**APPROVED:**



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Edward Desmond, Ph.D.  
State Laboratories Administrator

Date