

DAVID Y. IGE
GOVERNOR OF HAWAII



VIRGINIA PRESSLER, M.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

January 28, 2016

Dr. Dan Farah, Ph.D.
QA/QC Manager
McC Campbell Analytical, Inc.
1534 Willow Pass Road
Pittsburg, CA 94565-1701

Dear Dr. Farah,

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, 2016** 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 on 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,


A. Christian Whelen, Ph.D.
State Laboratories Administrator

ACW:rp

Enclosure

c: J. Seto, Chief, Safe Drinking Water Program

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, 2015

Expiration Date: October 31, 2016

McC Campbell Analytical, Inc.
Dr. Dan Farah, Ph.D.
QA/QC Manager
1534 Willow Pass Road
Pittsburg, California 94565-1701
(877) 252 -9262

Inorganic Chemistry and Physical Properties of Drinking Water

Bromate	EPA 300.1
Bromide	EPA 300.0, EPA 300.1
Chlorate	EPA 300.0, EPA 300.1
Chloride	EPA 300.0, EPA 300.1
Chlorite	EPA 300.0, EPA 300.1
Fluoride	EPA 300.0, EPA 300.1
Nitrate	EPA 300.0, EPA 300.1
Nitrite	EPA 300.0, EPA 300.1
Orthophosphate	EPA 300.0, EPA 300.1
Sulfate	EPA 300.0, EPA 300.1
Cyanide	EPA 335.4, Kelada-01
Cyanide, Total	SM 4500CNE
Cyanide, Amenable	SM 4500CNG
Alkalinity	SM 2320B
Hardness	SM 2340B
Conductivity	SM 2510B
Total Dissolved Solids	SM 2540C, EPA 160.1
Chlorine, Free, Combined, and Total	SM 4500CID, SM 4500CIG
Chlorine, Total	SM 4500CIE
Surfactants	SM 5540C
Silica	SM 4500SiO2D
UV254	SM 5910B

Inorganic Chemistry Trace Metals of Drinking Water

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

Organic Chemistry of Drinking Water

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


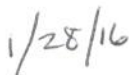
Organic Chemistry of Drinking Water

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

Organic Chemistry of Drinking Water


Aldicarb	EPA 531.2
Aldicarb Sulfone	EPA 531.2
Aldicarb Sulfoxide	EPA 531.2
Carbaryl	EPA 531.2
Carbofuran	EPA 531.1, EPA 531.2
3-Hydroxycarbofuran	EPA 531.2
Oxamyl	EPA 531.1, EPA 531.2

RECOMMENDED:

Robert Pineda Date
Certification Officer

APPROVED:

 JAN 28 2016

A. Christian Whelen, Ph.D. Date
State Laboratories Administrator