



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 10**

1200 Sixth Avenue, Suite 900  
Seattle, WA 98101-3140

OFFICE OF  
ENVIRONMENTAL ASSESSMENT

**NOV 18 2015**

Christopher Ball, Ph.D.  
Laboratory Bureau Chief  
Idaho Department of Health and Welfare  
2220 Old Penitentiary Road  
Boise, ID 83702

Dear Mr. Ball:

This summary report lists the certification status for drinking water analytical methods for which the Idaho Bureau of Laboratories (IBL) has been designated to serve as a principal laboratory for the State of Idaho. Specific expectations for state principal laboratories are described in USEPA's Manual for the Certification of Laboratories Analyzing Drinking Water, Fifth Edition, January 2005. Certification is granted for the parameters listed below based on USEPA Region 10's on-site inspection the week of March 16, 2015 and evaluation of the laboratory's quality manual, standard operating procedures, performance test results, instrumentation, personnel qualifications, laboratory facilities, and responses regarding subsequent corrective actions.

**MICROBIOLOGY**

Drinking Water (TCR) Presence/Absence Methods:

- Standard Methods (SM) 9221B (MTF)** - total coliform
- SM 9221E** - fecal coliform
- SM 9221F** - *E. coli*
- SM 9215B** - HPC, pour plate
- SM 9223B (Colilert® and Colilert 18®)** - total coliform and *E. coli*
- SM 9223B (Colisure®)** - total coliform and *E. coli*

Source Water (SWTR) enumerative methods:

- SM 9223B (Colilert Quantitray®)** - total coliform and *E. coli*
- SM 9215B** - HPC, pour plate

**ORGANICS**

**EPA Method 504.1** – dibromochloropropane and ethylenedibromide  
**EPA Method 515.4** - 2,4-D, dalapon, dinoseb, pentachlorophenol, picloram, and 2,4,5-TP  
**EPA Method 524.2** - benzene, carbon tetrachloride, chlorobenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichloroethane, 1,1-dichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, dichloromethane, 1,2-dichloropropane, ethylbenzene, styrene, tetrachloroethene, toluene, 1,2,4-trichlorobenzene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethene, vinyl chloride, xylenes, and THMs

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**EPA Method 525.2** - benzo(a)pyrene, bis(2-ethylhexyl)adipate, bis(2-ethylhexyl)phthalate, alachlor, atrazine, endrin, heptachlor, heptachlor epoxide, hexachlorobenzene, hexachlorocyclopentadiene, lindane, methoxychlor, and simazine  
**EPA Method 531.2** – carbofuran and oxymyl  
**EPA Method 547** – glyphosate  
**EPA Method 548** – endothall  
**EPA Method 549.2** - diquat  
**EPA Method 552.2** – regulated haloacetic acids

### INORGANICS

**EPA Method 180.1** - turbidity  
**EPA Method 353.2** - nitrate plus nitrite  
**SM-4500-NO<sub>2</sub>-B** - nitrite  
**EPA method 300.0** - fluoride, nitrate and nitrite  
**EPA Method 245.1** - mercury by cold vapor atomic absorption (CVAA)  
**EPA Method 200.2** - sample digestion for metals

These certifications will be due for renewal in 2018, at which time an audit in support of your continued certification will be scheduled. I would like to thank you for the courtesy and cooperation you and your staff have shown the USEPA Region 10 Drinking Water Certification Officers. If you have any questions or comments on the report, please do not hesitate to contact me or the Certification Officers listed below:

Katie Adams (360)871-8748  
Stephanie Bailey (360)871-8739  
Gerald Dodo (360)871-8728  
Stephanie Le (360)871-8715  
Christopher Pace (360)871-8703  
Dana Walker (360)871-8704

Sincerely,



Ann Williamson  
Director (Acting), Office of Environmental Assessment  
USEPA Region 10 Certification Authority

cc: Ernie Bader, IBL, Chemistry Laboratory Manager  
Michael Stevenson, IBL, Deputy Laboratory Director  
Marie Jennings, USEPA Region 10 Office of Water  
Barry Pepich, USEPA Region 10 Laboratory Director  
Stephanie Bailey, USEPA Lead Microbiologist  
Gerald Dodo, USEPA Region 10 Supervisory Chemist

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 10**

1200 Sixth Avenue, Suite 900  
Seattle, WA 98101-3140

OFFICE OF  
ENVIRONMENTAL ASSESSMENT

April 27, 2016

Christopher Ball, Ph.D.  
Laboratory Bureau Chief  
Idaho Department of Health and Welfare  
2220 Old Penitentiary Road  
Boise, ID 83702

Dear Mr. Ball:

This summary report lists the certification status for drinking water analytical methods for which the Idaho Bureau of Laboratories (IBL) has been designated to serve as a principal laboratory for the State of Idaho. Specific expectations for state principal laboratories are described in USEPA's Manual for the Certification of Laboratories Analyzing Drinking Water, Fifth Edition, January 2005. Certification is granted for the parameters listed below based on USEPA Region 10's on-site inspection the week of March 16, 2015 and evaluation of the laboratory's quality manual, standard operating procedures, performance test results, instrumentation, personnel qualifications, laboratory facilities, and responses regarding subsequent corrective actions.

**INORGANICS**

**EPA Method 200.7** – Barium, Beryllium, Chromium, Copper

**EPA Method 200.8** – Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Selenium, Thallium

**EPA Method 300.1** - Chlorite

Bromate by EPA Method 300.1 is being provisionally certified for up to 120 days of receipt of this letter due to the need to improve sensitivity to reliably detect and measure bromate at the maximum concentration level (MCL). Please provide an updated standard operating procedure (SOP) along with summaries and data for the initial demonstration of capability (IDOC), method detection limit (MDL) study and performance testing (PT) analysis after resolving the sensitivity issue for full certification consideration.

Certification for cyanide by EPA Method 335.4 will not be continued since IBL has indicated that this capability is currently being replaced with the use of Method ME355.01-Determination of Cyanide in Drinking Water by GC/MS Headspace Analysis. Please provide an SOP along with summaries and data for the IDOC, MDL study and PT analysis for interim certification consideration of cyanide by Method ME355.01. Full certification will be considered after completion of the next on-site review of IBL, sometime in 2018.

These certifications will be due for renewal in 2018, at which time an audit in support of your continued certification will be scheduled. Again, I would like to thank you for the courtesy and

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cooperation you and your staff have shown the USEPA Region 10 Drinking Water Certification Officers. If you have any questions or comments on the report, please do not hesitate to contact me or the Certification Officers listed below:

Katie Adams (360)871-8748  
Gerald Dodo (360)871-8728  
Stephanie Le (360)871-8715

Sincerely,



Ann Williamson  
Acting Director, Office of Environmental Assessment  
USEPA Region 10 Certification Authority

cc: Ernie Bader, IBL, Chemistry Laboratory Manager  
Michael Stevenson, IBL, Deputy Laboratory Director  
Marie Jennings, USEPA Region 10 Office of Water  
Barry Pepich, USEPA Region 10 Laboratory Director  
Gerald Dodo, USEPA Region 10 Supervisory Chemist



UNITED STATES ENVIRONMENTAL PROTECTION  
AGENCY  
REGION 10

1200 Sixth Avenue, Suite 900  
Seattle, WA 98101-3140

OFFICE OF  
ENVIRONMENTAL  
REVIEW AND  
ASSESSMENT

September 12, 2016

Christopher Ball, Ph.D.  
Laboratory Bureau Chief  
Idaho Department of Health and Welfare  
2220 Old Penitentiary Road  
Boise, ID 83702

Dear Dr. Ball:

The certification status of Idaho Bureau of Laboratories (IBL) for Bromate analysis by USEPA Method 300.1 has been upgraded to full certification for drinking water analysis. This conclusion was reached after the IBL made significant improvements toward the sensitivity for this parameter and from the review of submitted documentation and performance data as requested in our April 27, 2016 letter.

I would like to thank you for the courtesy and cooperation you and your staff have shown the USEPA Region 10 Drinking Water Certification Officers. If you have any questions or comments on this letter, please do not hesitate to contact me or the Certification Officers listed below:

Katie Adams (360)871-8748  
Stephanie Le (360)871-8715  
Gerald Dodo (360)871-8728

Sincerely,

A handwritten signature in blue ink, appearing to read "David Allnutt".

David Allnutt, Director  
Office of Environmental Review and Assessment

cc: Ernie Bader, IBL, Chemistry Laboratory Manager  
Michael Stevenson, IBL, Deputy Laboratory Director  
Marie Jennings, USEPA Region 10 Office of Water  
Barry Pepich, USEPA Region 10 Laboratory Director  
Gerald Dodo, USEPA Region 10 Supervisory Chemist

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