



Water Resources
ENVIRONMENTAL QUALITY

ROY COOPER

Governor

MICHEAL S. REGAN

Secretary

S. JAY ZIMMERMAN

Director

March 16, 2017

683

Ms. Sherrill Gelsomino
Biota Diagnostics, LLC
2401 Whitehall Park Drive, Suite 700
Charlotte, NC 28273

Subject: Parameter Method Substitution

DELETED

BOD SM 5210 B-2001, CBOD SM 5210 B-2001, Chlorine, Total Residual SM 4500 CI G-2000, COD SM 5220 D-1997, pH SM 4500 H+ B-2000, Residue, Dissolved 180 C SM 2540 C-1997, Residue, Suspended SM 2540 D-1997, Residue, Total SM 2540 B-1997 and Turbidity SM 2130 B-2001

ADDED

BOD SM 5210 B-2001, Rev. 2011, CBOD SM 5210 B-2001, Rev. 2011, Chlorine, Total Residual SM 4500 CI G-2000, Rev. 2011, COD SM 5220 D-1997, Rev. 2011, pH SM 4500 H+ B-2000, Rev. 2011, Residue, Dissolved 180 C SM 2540 C-1997, Rev. 2011, Residue, Suspended SM 2540 D-1997, Rev. 2011, Residue, Total SM 2540 B-1997, Rev. 2011 and Turbidity SM 2130 B-2001, Rev. 2011

Dear Ms. Gelsomino:

Per your request received on March 16, 2017, we have made the above referenced changes to your Certified Parameters Listing (CPL). This change to your Certification is effective March 16, 2017.

Enclosed is an amended CPL that includes the new parameter method(s). The same requirements applying to your present Certification are applicable to the new parameter method addition. Please review this CPL carefully to insure that your laboratory is certified for all parameter methods required to properly meet your Certification needs.

If you have questions or need additional information, contact me at (919) 733-3908 ext. 202.

Sincerely,

Dana Satterwhite, Environmental Program Supervisor
Division of Water Resources

Attachment

cc: Beth Swanson
Gary Francies

Water Sciences Section

NC Wastewater/Groundwater Laboratory Certification Branch
1623 Mail Service Center, Raleigh, North Carolina 27699-1623
Location: 4405 Reedy Creek Road, Raleigh, North Carolina 27607
Phone: 919-733-3908 \ FAX: 919-733-6241

Internet: <http://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch>

North Carolina Wastewater/Groundwater Laboratory Certification

Certified Parameters Listing

Lab Name: Biota Diagnostics, LLC
 Address: 2401 Whitehall Park Drive, Suite 700
 Charlotte, NC 28273-

Certificate Number: 683
 Effective Date: 1/1/2017
 Expiration Date: 12/31/2017
 Date of Last Amendment: 6/15/2016

The above named laboratory, having duly met the requirements of 15A NCAC 2H.0800, is hereby certified for the measurement of the parameters listed below.

CERTIFIED PARAMETERS

INORGANIC	
BOD	ALUMINUM
SM 5210 B-2001, Rev. 2011 (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
CBOD	EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
SM 5210 B-2001, Rev. 2011 (Aqueous)	SW-846 6020 B (Aqueous)
CHLORIDE	SW-846 6020 B (Non-Aqueous)
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	ANTIMONY
CHLORINE, TOTAL RESIDUAL	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
SM 4500 Cl G-2000, Rev. 2011 (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
COD	SW-846 6020 B (Aqueous)
SM 5220 D-1997, Rev. 2011 (Aqueous)	SW-846 6020 B (Non-Aqueous)
DISSOLVED OXYGEN	ARSENIC
SM 4500 O G-2001 (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
FLUORIDE	EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	SW-846 6020 B (Aqueous)
NITROGEN, NITRATE	SW-846 6020 B (Non-Aqueous)
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	BARIUM
pH	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
SM 4500 H+B-2000, Rev. 2011 (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
RESIDUE, DISSOLVED 180 C	SW-846 6020 B (Aqueous)
SM 2540 C-1997, Rev. 2011 (Aqueous)	SW-846 6020 B (Non-Aqueous)
RESIDUE, SUSPENDED	BERYLLIUM
SM 2540 D-1997, Rev. 2011 (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
RESIDUE, TOTAL	EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
SM 2540 B-1997, Rev. 2011 (Aqueous)	SW-846 6020 B (Aqueous)
SULFATE	SW-846 6020 B (Non-Aqueous)
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	CADMIUM
TEMPERATURE	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
SM 2550 B-2000 (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
TURBIDITY	SW-846 6020 B (Aqueous)
SM 2130 B-2001, Rev. 2011 (Aqueous)	SW-846 6020 B (Non-Aqueous)
METAL	CALCIUM
TCPLP METALS	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
SW-846 1311 (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
SW-846 1311 (Non-Aqueous)	SW-846 6020 B (Aqueous)
	SW-846 6020 B (Non-Aqueous)

This certification requires maintenance of an acceptable quality assurance program, use of approved methodology, and satisfactory performance on evaluation samples. Laboratories are subject to civil penalties and/or decertification for infractions as set forth in 15A NCAC 2H.0807.

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CERTIFIED PARAMETERS

CHROMIUM TOTAL

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

COBALT

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

COPPER

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

IRON

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

LEAD

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

MAGNESIUM

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

MANGANESE

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

MOLYBDENUM

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

NICKEL

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

POTASSIUM

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

SELENIUM

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

SILVER

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

SODIUM

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

STRONTIUM

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

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CERTIFIED PARAMETERS

THALLIUM

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

TIN

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

TITANIUM

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

VANADIUM

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

ZINC

- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

ORGANIC

BASE NEUTRAL/ACID, ORGANICS

- SW-846 8270 D (Aqueous)

PURGEABLE, ORGANICS

- SW-846 8260 B (Aqueous)
- SW-846 8260 B (Non-Aqueous)