



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 488 • Manchester, WA 98353-0488 • (360) 895-6144

October 14, 2011

Mr. Larry Lem
Calscience Environmental Laboratories Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427

Dear Mr. Lem:

Thank you for your application for renewal in the Environmental Laboratory Accreditation Program. Enclosed is a Certificate of Accreditation covering the one-year period beginning October 12, 2011 and a current Scope of Accreditation.

Renewal of accreditation is based in part on review of your lab's performance over the past year as evidenced by participation in proficiency testing (PT) studies. One or more acceptable PT sample results were received for each applicable analysis.

Direct accreditation additions this year for Solid and Chemical Materials are; Organotins by Krone (1988), Total Volatile Solids by EPA 160.4, Total Organic Carbon by EPA 9060, Total Solids by SM 2540 B, and Total Sulfide by EPA 376.2.

Direct accreditation addition this year for Non-Potable Water is Organotins by Krone (1988).


Renewal of accreditation for third party is based on accreditation renewal from the third party, California State. Additions to Washington State Third Party Accreditation for Solids and Chemical Materials are EPA 8081 Organochlorine Pesticides by GC/ECD and Ammonia by SM 4500 NH3 C.

As a reminder, continued participation in the Ecology Lab Accreditation Program requires the lab to:

- Submit a renewal application and fees annually
- Report significant changes in facility, personnel, analytical methods, equipment, the lab's quality assurance (QA) manual or QA procedures as they occur
- Participate in proficiency testing studies semi-annually, with the following exception: **For each parameter where all PT results were satisfactory, you are required to submit only one PT result over this next year, and in subsequent years, as long as the results are satisfactory.** (This new allowance went into effect on September 9, 2010.) **Note that annual PTs are now required for microbiology methods in Non-Potable water.**
- Submit copies of current third-party Scopes of Accreditation when they are available.

If you have any questions concerning the accreditation of your lab, please contact Kamilee Ginder at (360) 895-6148, fax (360) 895-6180, or by e-mail at kamilee.ginder@ecy.wa.gov.

Sincerely,

 Alan D. Rue
Lab Accreditation Unit Supervisor

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Calscience Environmental Laboratories Inc.

Garden Grove, CA

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. Accreditation for U.S. Environmental Protection Agency (EPA) "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (SW-846) is for the latest version of the method. SM refers to EPA approved editions of "Standard Methods for the Examination of Water and Wastewater." ASTM is the American Society for Testing and Materials. Other references are described in notes.

Matrix/Analyte	Method	Notes
Air		
C1 - C6 Hydrocarbons	ASTM D 2820	4
Fixed Gases	ASTM D 1946	4
Volatile Organic Compounds	EPA TO-3	3,4
Volatile Organic Compounds	EPA TO-14A	2
Volatile Organic Compounds	EPA TO-15	2
Non-Potable Water		
Alkalinity as CaCO ₃	SM 2320 B	1
Biochemical oxygen demand	SM 5210 B	1
Bromide	EPA 300.0	1
Chloride	EPA 300.0	1
Conductivity	SM 2510 B	1
Fluoride	EPA 300.0	1
Nitrate	EPA 300.0	1
Nitrate-nitrite	EPA 300.0	1
Nitrite	EPA 300.0	1
Oil & Grease	EPA 1664	1
Organo-tins	Krone 1988	4
Orthophosphate as P	EPA 300.0	1
Residue-filterable (TDS)	SM 2540 C	1
Residue-nonfilterable (TSS)	SM 2540 D	1
Sulfate	EPA 300.0	1

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Matrix/Analyte	Method	Notes
Sulfide	SM 4500-S2 D	1
Total cyanide	SM 4500-CN E	
Total organic carbon	SM 5310 B	1
Aluminum	EPA 200.7	1
Aluminum	EPA 200.8	1
Antimony	EPA 200.7	1
Antimony	EPA 200.8	1
Arsenic	EPA 200.7	1
Arsenic	EPA 200.8	1
Barium	EPA 200.7	1
Barium	EPA 200.8	1
Beryllium	EPA 200.7	1
Beryllium	EPA 200.8	1
Boron	EPA 200.7	1
Cadmium	EPA 200.7	1
Cadmium	EPA 200.8	1
Calcium	EPA 200.7	1
Chromium	EPA 200.7	1
Chromium	EPA 200.8	1
Cobalt	EPA 200.7	1
Cobalt	EPA 200.8	1
Copper	EPA 200.7	1
Copper	EPA 200.8	1
Iron	EPA 200.7	1
Lead	EPA 200.7	1
Lead	EPA 200.8	1
Magnesium	EPA 200.7	1
Manganese	EPA 200.7	1
Manganese	EPA 200.8	1
Mercury	EPA 245.1	1
Molybdenum	EPA 200.7	1
Molybdenum	EPA 200.8	1
Nickel	EPA 200.7	1
Nickel	EPA 200.8	1
Potassium	EPA 200.7	1
Selenium	EPA 200.7	1

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Matrix/Analyte	Method	Notes
Selenium	EPA 200.8	1
Silica as SiO ₂	EPA 200.7	1
Silver	EPA 200.7	1
Silver	EPA 200.8	1
Sodium	EPA 200.7	1
Thallium	EPA 200.7	1
Thallium	EPA 200.8	1
Tin	EPA 200.7	1
Tin	EPA 200.8	1
Titanium	EPA 200.7	
Titanium	EPA 200.8	1
Vanadium	EPA 200.7	1
Vanadium	EPA 200.8	1
Zinc	EPA 200.7	1
Zinc	EPA 200.8	1
Methane, Ethane & Ethene	EPA RSK-175	4
Organochlorine Pesticides	EPA 608	1
Polychlorinated Biphenyls	EPA 608	1
BNA Extr (Semivolatile) Organics	EPA 625	1
Volatile Organic Compounds	EPA 624	1
Solid and Chemical Materials		
Ammonia	SM 4500-NH ₃ C 20th ED (1998)	1
Solids, Total	SM 2540 B	4
Solids, Total Volatile	EPA 160.4	4
Sulfide	EPA 376.2	4
Total Organic Carbon	EPA 9060	4
Antimony	EPA 6010	1
Antimony	EPA 6020	1
Arsenic	EPA 6010	1
Arsenic	EPA 6020	1
Barium	EPA 6010	1
Barium	EPA 6020	1
Beryllium	EPA 6010	1
Beryllium	EPA 6020	1

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Matrix/Analyte	Method	Notes
Cadmium	EPA 6010	1
Cadmium	EPA 6020	1
Chromium	EPA 6010	1
Chromium	EPA 6020	1
Cobalt	EPA 6010	1
Cobalt	EPA 6020	1
Copper	EPA 6010	1
Copper	EPA 6020	1
Lead	EPA 6010	1
Lead	EPA 6020	1
Manganese	EPA 6010	
Mercury, Liquid Waste	EPA 7470	1
Mercury, Solid Waste	EPA 7471	1
Molybdenum	EPA 6010	1
Molybdenum	EPA 6020	1
Nickel	EPA 6010	1
Nickel	EPA 6020	1
Selenium	EPA 6010	1
Selenium	EPA 6020	1
Silver	EPA 6010	1
Silver	EPA 6020	1
Thallium	EPA 6010	1
Thallium	EPA 6020	1
Tin	EPA 6010	
Titanium	EPA 6010	
Vanadium	EPA 6010	1
Vanadium	EPA 6020	1
Zinc	EPA 6010	1
Zinc	EPA 6020	1
Methyl tert-butyl ether (MTBE)	EPA 8021	1
Organochlorine Pesticides	EPA 8081	1
Polychlorinated Biphenyls	EPA 8082	1
Polycyclic Aromatic HC	EPA 8310	1
Total Pet Hydrocarbons - Diesel	WDOE NWTPH-Dx	1
Total Pet Hydrocarbons - Gasoline	WDOE NWTPH-Gx	1
Volatile Aromatics	EPA 8021	1

Washington State Department of Ecology

Laboratory Accreditation Unit

Effective Date: 10/12/2011

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Scope of Accreditation Report for Calscience Environmental Laboratories Inc.

Scope Expires: 10/11/2012

C916-11

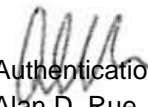
Calscience Environmental Laboratories Inc.

Matrix/Analyte	Method	Notes
BNA Extr (Semivolatile) Organics	EPA 8270	1
Organo-tins	Krone 1988	4
Total Pet Hydrocarbons - Gasoline	WDOE NWTPH-Gx	1
Volatile Organic Compounds	EPA 8260	1
Corrosivity	EPA 9040	1
Corrosivity	EPA 9045	1
Ignitability	EPA 1010	1
Paint Filter Liquids	EPA 9095 B	4

Accredited Parameter Note Detail

(1) Accreditation based in part on recognition of California NELAP accreditation. (2) Accreditation based in part on recognition of New York NELAP accreditation. (3) Modified to determine Total Non-Methane Hydrocarbons as Gasoline. (4) Interim accreditation pending the successful completion of an on-site audit to verify method capabilities (WAC 173-50-100).

10/14/2011


Authentication Signature
Alan D. Rue, Lab Accreditation Unit Supervisor

Date