



November 30, 2018

Laboratory ID: 101757

Jack Bennett  
Lawrence Livermore National Laboratory ASI Analytical Laboratory  
7000 East Avenue  
Livermore, CA 94550

Dear Mr. Bennett:

Congratulations! The AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC's Analytical Accreditation Board (AAB) has approved Lawrence Livermore National Laboratory ASI Analytical Laboratory as an accredited Industrial Hygiene and Environmental Lead laboratory.

Accreditation documentation includes the IHLAP and ELLAP accreditation certificate, scope of accreditation document and a copy of the current AIHA-LAP, LLC license agreement (if your completed agreement is not on file at AIHA-LAP, LLC). The accreditation symbol has been designed for use by all AIHA-LAP, LLC accredited laboratories. If your laboratory chooses to use the symbol in its advertising the laboratory's accreditation, you must complete and return the AIHA-LAP, LLC license agreement to a Laboratory Accreditation Specialist. Once submitted, an electronic copy of the accreditation symbol will be sent to you.

Laboratory accreditation shall be maintained by continued compliance with IHLAP and ELLAP requirements (*see Policy Modules 2B, 2C, and 6*), which includes proficient participation in AIHA-LAP, LLC approved proficiency testing, demonstration of competency, or round robin program as indicated on the AIHA-LAP "Approved PT and Round Robin" webpage, its associated Scope/PT table, and as required in Policy Module 6, for all Fields of Testing (FoTs) for which the laboratory is accredited. An accredited laboratory that wishes to expand into a new FoT must submit an updated accreditation application to AIHA-LAP, LLC for review by the AAB.

Any changes in ownership, laboratory location, personnel, FoTs/Methods, or significant procedural changes shall be reported to AIHA-LAP, LLC in writing within twenty (20) business days of the change.

The accreditation certificate is the property of AIHA-LAP, LLC and must be returned to us should your laboratory withdraw or be removed from the IHLAP and ELLAP.

Again, congratulations. If you have any questions, please contact Lauren Schnack, Laboratory Accreditation Specialist, at (703) 846-0716.

Sincerely,

Cheryl O. Morton  
Managing Director

*AIHA Laboratory Accreditation Programs, LLC*  
3141 Fairview Park Drive, Suite 777, Falls Church, VA 22042 USA  
*main* +1 703-846-0736 *fax* +1 703-207-8558

*Twitter: @AIHA\_LAP\_LLC*

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Page 1 of 1

NIOSH 7302



## AIHA Laboratory Accreditation Programs, LLC

*acknowledges that*

### **Lawrence Livermore National Laboratory ASI Analytical Laboratory**

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along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

#### **LABORATORY ACCREDITATION PROGRAMS**

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> <b>INDUSTRIAL HYGIENE</b> | Accreditation Expires: December 01, 2020 |
| <input checked="" type="checkbox"/> <b>ENVIRONMENTAL LEAD</b> | Accreditation Expires: December 01, 2020 |
| <input type="checkbox"/> <b>ENVIRONMENTAL MICROBIOLOGY</b>    | Accreditation Expires:                   |
| <input type="checkbox"/> <b>FOOD</b>                          | Accreditation Expires:                   |
| <input type="checkbox"/> <b>UNIQUE SCOPES</b>                 | Accreditation Expires:                   |

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website ([www.aihaaccreditedlabs.org](http://www.aihaaccreditedlabs.org)) for the most current Scope.

*Elizabeth Bair*

Elizabeth Bair  
Chairperson, Analytical Accreditation Board

*Cheryl O. Morton*

Cheryl O. Morton  
Managing Director, AIHA Laboratory Accreditation Programs, LLC



# AIHA Laboratory Accreditation Programs, LLC

## SCOPE OF ACCREDITATION

### Lawrence Livermore National Laboratory ASI Analytical Laboratory

7000 East Avenue, Livermore, CA 94550

Laboratory ID: **101757**

Issue Date: 11/30/2018

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

### Industrial Hygiene Laboratory Accreditation Program (IHLAP)

**Initial Accreditation Date: 02/01/1977**

IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/ Title of In-house Method	Method Description or Analyte <i>(for internal methods only)</i>
<b>Spectrometry Core</b>	Inductively-Coupled Plasma	ICP/AES	NIOSH 7302	
<b>Beryllium Testing</b>	Inductively-Coupled Plasma	ICP/AES	NIOSH 7302 Modified	
			NIOSH 7704 Modified	
			NIOSH 9110 Modified	
	Optical Fluorescence		NIOSH 7704	
			NIOSH 9110	

A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>



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The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air and composited wipes analyses are not included as part of the NLLAP.

### Environmental Lead Laboratory Accreditation Program (ELLAP)

**Initial Accreditation Date: 06/07/1996**

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description <i>(for internal methods only)</i>
<b>Paint</b>		EPA SW-846 3050B (Mod)	
		NIOSH 7302	
<b>Settled Dust by Wipe</b>		EPA SW-846 3050B (Mod)	
		NIOSH 7302	
<b>Airborne Dust</b>		NIOSH 7302	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>