



## AIHA Laboratory Accreditation Programs, LLC

*acknowledges that*

### **ALS Environmental**

960 West Levoy Dr., Salt Lake City, UT 84123-2547

Laboratory ID: 101574

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 17025:2005 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: May 01, 2020 |
| <input checked="" type="checkbox"/> <b>ENVIRONMENTAL LEAD</b> | Accreditation Expires: May 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 17025:2005 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.

*William Walsh, CIH*  
Chairperson, Analytical Accreditation Board

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

Revision 15: 03/30/2016

Date Issued: 03/02/2018



## AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

### ALS Environmental

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Laboratory ID: **101574**

Issue Date: 03/02/2018

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: 06/01/1974**

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>Chromatography Core</b>	Gas Chromatography	GC/FID	NIOSH 1000	
			NIOSH 1001	
			NIOSH 1002	
			NIOSH 1003	
			NIOSH 1004	
			NIOSH 1005	
			NIOSH 1006	
			NIOSH 1007	
			NIOSH 1010	
			NIOSH 1011	
			NIOSH 1012	
			NIOSH 1013	
			NIOSH 1014	
			NIOSH 1015	
			NIOSH 1016	
			NIOSH 1017	
			NIOSH 1018	
			NIOSH 1019	
			NIOSH 1020	
			NIOSH 1022	
NIOSH 1024				
NIOSH 1025				
NIOSH 1026				
NIOSH 1300				
NIOSH 1301				

Effective: 04/10/2015

101574\_Scope\_IHLAP\_2018\_02\_28

Page 1 of 10



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>Chromatography Core</b>	Gas Chromatography	GC/FID	NIOSH 1400	
			NIOSH 1401	
			NIOSH 1402	
			NIOSH 1403	
			NIOSH 1450	
			NIOSH 1451	
			NIOSH 1452	
			NIOSH 1453	
			NIOSH 1454	
			NIOSH 1457	
			NIOSH 1458	
			NIOSH 1459	
			NIOSH 1460	
			NIOSH 1500	
			NIOSH 1501	
			NIOSH 1550	
			NIOSH 1551	
			NIOSH 1601	
			NIOSH 1602	
			NIOSH 1603	
			NIOSH 1604	
			NIOSH 1606	
			NIOSH 1608	
			NIOSH 1609	
			NIOSH 1610	
			NIOSH 1611	
			NIOSH 1612	
			NIOSH 1615	
			NIOSH 1616	
			NIOSH 1618	
NIOSH 2000				
NIOSH 2003				
NIOSH 2004				
NIOSH 2500				
NIOSH 2505				
NIOSH 2508				
NIOSH 2513				
NIOSH 2516				
NIOSH 2519				
NIOSH 2521				



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<b>Chromatography Core</b>	Gas Chromatography	GC/FID	NIOSH 2523	
			NIOSH 2526	
			NIOSH 2527	
			NIOSH 2528	
			NIOSH 2530	
			NIOSH 2536	
			NIOSH 2537	
			NIOSH 2538	
			NIOSH 2539	
			NIOSH 2541	
			NIOSH 2545	
			NIOSH 2546	
			NIOSH 2552	
			NIOSH 2553	
			NIOSH 2554	
			NIOSH 2555	
			NIOSH 2556	
			NIOSH 2557	
			NIOSH 2558	
			NIOSH 5020	
			NIOSH 5021	
			NIOSH 5523	
			OSHA 01	
			OSHA 05	
			OSHA 08	
			OSHA 09	
			OSHA 100	
			OSHA 104	
			OSHA 106	
			OSHA 109	
			OSHA 11	
			OSHA 12	
			OSHA 14	
OSHA 19				
OSHA 29				
OSHA 35				
OSHA 37				
OSHA 46				
OSHA 51				
OSHA 53				



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Chromatography Core	Gas Chromatography	GC/FID	OSHA 59	
			OSHA 69	
			OSHA 72	
			OSHA 75	
			OSHA 79	
			OSHA 80	
			OSHA 83	
			OSHA 84	
			OSHA 89	
			OSHA 91	
			OSHA 94	
		GC/ECD	NIOSH 1008	
			NIOSH 2517	
			NIOSH 2518	
			NIOSH 2543	
			NIOSH 2559 Modified	
			NIOSH 5014	
			NIOSH 5039	
			NIOSH 5502	
			NIOSH 5503	
			NIOSH 5510	
			NIOSH 5519	
			NIOSH 5600 Modified	
			OSHA 03	
			OSHA 10	
			OSHA 2 Modified	
			OSHA 44 Modified	
			GC/Chemiluminescence	OSHA 67
	OSHA 76			
	ASTM 5504			
	GC/MS	NIOSH 1622		
		NIOSH 2510 Modified		
EPA TO-15				
EPA TO-17				
GC/MS Amine Panels				
IH-AN-014				
IH-AN-015				
IH-AN-1613				
IH-AN-N5528	Analysis of PAH by GC/MS SIM			



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<b>Chromatography Core</b>	GC/MS		IH-AN-Nicotine	
			IN-AN-GC/MS	
			IN-AN-Solvent Panel	ALS Proprietary
			NIOSH 1302 Modified	
			NIOSH 1613	
			NIOSH 1614 Modified	
			NIOSH 2510 Modified	
			NIOSH 2522 Modified	
			NIOSH 2524	
			NIOSH 2551 Modified	
			NIOSH 5012 Modified	
			NIOSH 5017 Modified	
			NIOSH 5019 Modified	
			NIOSH 5020 Modified	
			NIOSH 5033 Modified	
			NIOSH 5516 Modified	
			NIOSH 5600 Modified	
			NIOSH 5602	
			NIOSH 5605	
			NIOSH 9106	
			NIOSH 9109	
			NIOSH 9201	
			NIOSH 9202	
			OSHA 105 Modified	
			OSHA 21 Modified	
			OSHA 50 Modified	
			OSHA 57	
			OSHA 58 Modified	
			OSHA 65 Modified	
			OSHA 70	
OSHA 71				
OSHA 73				
OSHA 78 Modified				
OSHA 87 Modified				
OSHA 93 Modified				
OSHA PV 123 Modified				
OSHA PV 2016 Modified				



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Chromatography Core	GC/MS		OSHA PV 2018 Modified	
			OSHA PV 2064 Modified	
			OSHA PV 2079 Modified	
			OSHA PV 21009 Modified	
			OSHA PV 2116 Modified	
			OSHA PV 2122 Modified	
			OSHA PV 2123 Modified	
			OSHA PV 2141 Modified	
			OSHA PV 2145 Modified	
			OSHA PV2063	
	Gas Chromatography (Diffusive Samplers)		3M 3500	IH-AN-Diffusive
			3M 3520	IH-AN-Diffusive
			SKC	IH-AN-Diffusive
	Ion Chromatography (IC)		IH-AN-Chloramine	
			NIOSH 2011	
			NIOSH 6004 Modified	
			NIOSH 6005	
			NIOSH 6011 Modified	
			NIOSH 6012	
			NIOSH 6013	
			NIOSH 7903	
			NIOSH 7906	
			NIOSH 7907	
			NIOSH 7908	
			OSHA ID-104	
			OSHA ID-108	
			OSHA ID-111	
			OSHA ID-112	
			OSHA ID-113	
			OSHA ID-165SG	
		OSHA ID-186SG		
		OSHA ID-200		
		OSHA ID-202		
		OSHA ID-211		



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<b>Chromatography Core</b>	Ion Chromatography (IC)		OSHA ID-214	
	Liquid Chromatography	HPLC/UV	NIOSH 2005	
			NIOSH 2014	
			NIOSH 2016 Modified	
			NIOSH 2018	
			NIOSH 2507 Modified	
			NIOSH 2514	
			NIOSH 2532	
			NIOSH 2540	
			NIOSH 2559	
			NIOSH 3507	
			NIOSH 3512	
			NIOSH 5001	
			NIOSH 5002	
			NIOSH 5003	
			NIOSH 5004	
			NIOSH 5005	
			NIOSH 5008	
			NIOSH 5009	
			NIOSH 5010	
			NIOSH 5016	
			NIOSH 5027	
			NIOSH 5029	
			NIOSH 5030	
			NIOSH 5031	
			NIOSH 5033	
			NIOSH 5044	
			NIOSH 5506 Modified	
			NIOSH 5509	
			NIOSH 5512	
NIOSH 5522				
NIOSH 5601				
NIOSH 7605				
OSHA 1007 Modified				
OSHA 108				
OSHA 24				
OSHA 25				
OSHA 28				





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Chromatography Core	Liquid Chromatography	HPLC/UV	OSHA 32	
			OSHA 34	
			OSHA 36	
			OSHA 39	
			OSHA 40	
			OSHA 41	
			OSHA 42	
			OSHA 43	
			OSHA 44 Modified	
			OSHA 45	
			OSHA 47	
			OSHA 54	
			OSHA 55	
			OSHA 60	
			OSHA 63	
			OSHA 64	
			OSHA 78	
			OSHA 81	
			OSHA 85	
			OSHA 86	
			OSHA 87	
			OSHA 90	
			OSHA 92 Modified	
		OSHA 95		
		OSHA 98		
		OSHA ID 215		
		OSHA PV2110		
		OSHA PV2111		
		LC/MS	IH-AN-HPLC-UV-MS	
			IH-AN-N9111	
			LC-MS Amines Panels	
			NIOSH 2002 Modified	
			NIOSH 2522 Modified	
NIOSH 2540 Modified				
OSHA 42/47 Modified				
OSHA 60 Modified				
OSHA CSI Modified				
OSHA PV 2060 Modified				



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Chromatography Core	Liquid Chromatography	LC/MS	OSHA PV 2096 Modified	
			OSHA PV 2126 Modified	
Spectrometry Core	Atomic Absorption	CVAA	NIOSH 6009 Modified	
			NIOSH 9103 Modified	
			OSHA ID 145 Modified	
	Inductively-Coupled Plasma	ICP/MS	NIOSH 6007 Modified	
			NIOSH 7029 Modified	
			NIOSH 7300 Modified	
			NIOSH 7303 Modified	
			NIOSH 7901 Modified	
			NIOSH 9102 Modified	
			OSHA 1003 Modified	
		OSHA ID 125G Modified		
		OSHA ID 206 Modified		
		ICP/AES	NIOSH 6007 Modified	
			NIOSH 7029 Modified	
			NIOSH 7300 Modified	
			NIOSH 7303 Modified	
			NIOSH 7901 Modified	
	NIOSH 9102 Modified			
	OSHA 1003 Modified			
	OSHA ID 206 Modified			
	X-ray Diffraction (XRD)		NIOSH 7500 Modified	
			NIOSH 7504 Modified	
NIOSH ID 142 Modified				
UV/VIS (Colorimetric)		NIOSH 3500 Modified		
		NIOSH 3503		
		NIOSH 6010 Modified		
		NIOSH 6014		
		NIOSH 6015 Modified		
		NIOSH 7600 Modified		
		NIOSH 7904 Modified		
		OSHA ID-006 OSHA ID-126SG Modified		



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Asbestos/Fiber Microscopy Core	Polarized Light Microscopy (PLM)		NIOSH 9002 Modified	
	Phase Contrast Microscopy (PCM)		NIOSH 7400 Modified	
Miscellaneous Core	Titrimetric		NIOSH 7401 Modified	
	Gravimetric		NIOSH 0500	
			NIOSH 0500 Modified	
			NIOSH 0600	
			NIOSH 0600 Modified	
			NIOSH 5000	
			NIOSH 5042 Modified	
			NIOSH 5524	
			OSHA 58 Modified	
	Ion-selective electrode (ISE)		NIOSH 7902	
Thermo-optical Analysis (TOA)		NIOSH 5040		
Beryllium Testing	Inductively-Coupled Plasma	ICP/MS	NIOSH 7300 Modified	
			NIOSH 7303 Modified	
		ICP/AES	NIOSH 7300 Modified	
			NIOSH 7303 Modified	

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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## SCOPE OF ACCREDITATION

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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: 08/23/1994**

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description <i>(for internal methods only)</i>
<b>Paint</b>		IH-AN-023	
		NIOSH 7300 Modified	
<b>Soil</b>		IH-AN-023	
		NIOSH 7300 Modified	
<b>Settled Dust by Wipe</b>		IH-AN-023	
		NIOSH 7300 Modified	

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