



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"/> INDUSTRIAL HYGIENE | Accreditation Expires: 04/01/2014 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL LEAD | Accreditation Expires: 04/01/2014 |
| <input type="checkbox"/> ENVIRONMENTAL MICROBIOLOGY | Accreditation Expires: |
| <input type="checkbox"/> FOOD | 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) for the most current Scope.

S. D. Allen Iske, Jr., PhD, CIH, CSP
Chairperson, Analytical Accreditation Board

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

Revision 12: 03/29/2012

Date Issued: 03/30/2012



AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

ALS Environmental

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

Laboratory ID: **101574**

Issue Date: 03/30/2012

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

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 06/01/1974

IHLAP Scope Category	Field of Testing (FoT)	Technology sub-type/ Detector	Published Reference Method/ Title of In-house Method	Method Description or Analyte <i>(for internal methods only)</i>
Chromatography Core	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				



IHLAP Scope Category	Field of Testing (FoT)	Technology sub-type/ Detector	Published Reference Method/ Title of In-house Method	Method Description or Analyte <i>(for internal methods only)</i>
Chromatography Core	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 modified				
NIOSH 2500				
NIOSH 2505				
NIOSH 2508				
NIOSH 2513				
NIOSH 2516				
NIOSH 2519				
NIOSH 2521				
NIOSH 2523				
NIOSH 2526				
NIOSH 2527				
NIOSH 2528				



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Chromatography Core	Gas Chromatography	GC/ FID	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 07	
			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				
OSHA 59				
OSHA 69				
OSHA 72				
OSHA 75				
OSHA 79				

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Chromatography Core	Gas Chromatography	GC/ FID	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 5039	
			NIOSH 5502	
			NIOSH 5503 modified	
			NIOSH 5510	
			NIOSH 5514	
			NIOSH 5519	
			NIOSH 5600 modified	
			OSHA 02	
			OSHA 03	
			OSHA 10	
			OSHA 44 modified	
			OSHA 62 modified	
			OSHA 67	
	OSHA 76			
	GC/FPD	NIOSH 7905		
	GC/Chemiluminescence	IH-AN-SCD-CT		
		NIOSH 1622		
	GC/MS	NIOSH 2510 modified	EPA 8270 modified	
		EPA TO-15	EPA TO-17	
		EPA TO-17	NIOSH 1302 modified	
		NIOSH 1302 modified	NIOSH 1500	
NIOSH 1500		NIOSH 1613		
NIOSH 1613		NIOSH 1614 modified		
NIOSH 1614 modified		NIOSH 2510 modified		
NIOSH 2510 modified		NIOSH 2522 modified		
NIOSH 2522 modified		NIOSH 2524		
NIOSH 2524		NIOSH 2533 modified		
NIOSH 2533 modified		NIOSH 2544 modified		
NIOSH 2544 modified				



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Chromatography Core	GC/MS		NIOSH 2551 modified	
			NIOSH 3513 modified	
			NIOSH 5012 modified	
			NIOSH 5017 modified	
			NIOSH 5019 modified	
			NIOSH 5034 modified	
			NIOSH 5514 modified	
			NIOSH 5528	
			NIOSH 5600 modified	
			NIOSH 5602	
			NIOSH 5605	
			NIOSH 9106	
			NIOSH 9109	
			NIOSH 9201	
			NIOSH 9202	
			OSHA 21	
			OSHA 21 modified	
			OSHA 50 modified	
			OSHA 57	
			OSHA 70	
			OSHA 71	
			OSHA 73	
			OSHA PV2063	
			Gas Chromatography (Diffusive Samplers)	
			SKC Method	
	Ion Chromatography (IC)		IH-AN-Chloramine	
			NIOSH 2011	
			NIOSH 6004 modified	
			NIOSH 6005	
			NIOSH 6011 modified	
			NIOSH 6012	
			NIOSH 6013	
			NIOSH 7607	
			NIOSH 7903	
OSHA ID-104				
OSHA ID-108				
OSHA ID-111				
OSHA ID-112				
OSHA ID-113				
OSHA ID-165SG				
OSHA ID-186SG				
OSHA ID-200				



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Chromatography Core	Ion Chromatography (IC)		OSHA ID-202	
			OSHA ID-211	
			OSHA ID-214	
			IH-AN-IP6C	
			NIOSH 2005	
			NIOSH 2014	
			NIOSH 2016	
			NIOSH 2018	
			NIOSH 2507 modified	
			NIOSH 2514	
			NIOSH 2532	
			NIOSH 2540	
			NIOSH 2559 modified	
			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 108	
			OSHA 24	
			OSHA 25	
			OSHA 28	
		OSHA 32		
		OSHA 34		
		OSHA 36		
		OSHA 39		
		OSHA 40		



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Chromatography Core	Liquid Chromatography	HPLC/UV	OSHA 41	
			OSHA 42	
			OSHA 43	
			OSHA 44 modified	
			OSHA 45	
			OSHA 47	
			OSHA 54	
			OSHA 55	
			OSHA 58 modified	
			OSHA 60	
			OSHA 63	
			OSHA 64	
			OSHA 78	
			OSHA 81	
			OSHA 85	
			OSHA 86	
			OSHA 87	
			OSHA 90	
			OSHA 92	
			OSHA 95	
		OSHA 98		
OSHA ID 215				
OSHA PV2110				
OSHA PV2111				
Spectrometry Core	Atomic Absorption	CVAA	NIOSH 2002 modified	
			NIOSH 9111	
			NIOSH 6009 modified	
		FAA	NIOSH 9103	
			OSHA ID-145	
	Inductively-Coupled Plasma	ICP/MS	NIOSH 7013 modified	
			NIOSH 7082	
			NIOSH 7300 modified	
			NIOSH 7303 modified	
			NIOSH 8003 modified	
		ICP/AES	NIOSH 8310 modified	
			NIOSH 6001 modified	
			NIOSH 6007 modified	
			NIOSH 7029 modified	
			NIOSH 7300 modified	
NIOSH 7303 modified				
NIOSH 7901 modified				
NIOSH 9102				
OSHA 1003 modified				
OSHA ID 206 modified				



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Spectrometry Core	Inductively-Coupled Plasma	ICP/AES	OSHA ID-125G modified	
	X-ray Diffraction (XRD)		NIOSH 7500 modified	
			NIOSH 7504 modified	
			NIOSH ID 142 modified	
	UV/VIS (Colorimetric)		NIOSH 3503	
			NIOSH 6010 modified	
			NIOSH 6014	
			NIOSH 6015 modified	
			NIOSH 7600 modified	
			NIOSH 7904 modified	
OSHA ID-006				
OSHA ID-126SG				
Asbestos/Fiber Microscopy Core	Polarized Light Microscopy (PLM)		NIOSH 9002	
	Phase Contrast Microscopy (PCM)		NIOSH 7400	
Miscellaneous Core	Titrimetric		NIOSH 7401	
	Gravimetric		NIOSH 0500 modified	
			NIOSH 0600	
			NIOSH 0600 modified	
			NIOSH 5000	
			NIOSH 5042 modified	
			NIOSH 5524	
	OSHA 58 modified			
OSHA ID-196				
Ion-selective electrode (ISE)		NIOSH 7902		
Thermo-optical Analysis (TOA)		NIOSH 5040		
Beryllium Testing	Inductively-Coupled Plasma	ICP/AES	NIOSH 7300 modified	
			NIOSH 7303 modified	



The laboratory participates in the following AIHA-LAP, LLC-approved proficiency testing programs:

- ✓ AIHA-PAT Programs, LLC IHPAT Metals
- ✓ AIHA-PAT Programs, LLC IHPAT Organic Solvents
- ✓ AIHA-PAT Programs, LLC IHPAT Silica
- ✓ AIHA-PAT Programs, LLC IHPAT Diffusive Sampler (3M)
- AIHA-PAT Programs, LLC IHPAT Diffusive Sampler (SKC)
- AIHA-PAT Programs, LLC IHPAT Diffusive Sampler (AT)
- ✓ AIHA-PAT Programs, LLC IHPAT Asbestos
- ✓ AIHA-PAT Programs, LLC Bulk Asbestos (BAPAT)
- ✓ AIHA-PAT Programs, LLC Beryllium (BePAT)
- HSE Workplace Analytical Scheme for Proficiency (WASP) (Formaldehyde)
- HSE Workplace Analytical Scheme for Proficiency (WASP) (Thermal Desorption Tubes)
- Pharmaceutical Round Robin
- Compressed/Breathing Air Round Robin
- National Voluntary Laboratory Accreditation Program (NVLAP - determined at the time of site assessment)
- New York State Department of Health (NYS DOH – PCM and TEM)
- ERA Air and Emissions standards for indoor air quality
- Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, formerly BGIA)
- Institut de Recherche Robert-Sauvé en Santé et en Sécurité du Travail (IRSST)



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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 analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 08/23/1994

Field of Testing (FoT)	Method	Method Description <i>(for internal methods only)</i>
Paint	NIOSH 7082 modified	
	NIOSH 7300 modified	
Soil	NIOSH 7082 modified	
	NIOSH 7300 modified	
Settled Dust by Wipe	NIOSH 7082 modified	
	NIOSH 7300 modified	
Airborne Dust	NIOSH 7082 modified	
	NIOSH 7300 modified	

The laboratory participates in the following AIHA-LAP, LLC-approved proficiency testing programs:

- ✓ Paint
- ✓ Soil
- ✓ Settled Dust by Wipe
- ✓ Airborne Dust