



December 21, 2018

Laboratory ID: 100921

Tracey Earle
ALS Laboratory Group, Environmental Division, (Cincinnati)
4388 Glendale-Milford Road
Cincinnati, OH 45242

Dear Ms. Earle:

Congratulations! The AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC's Analytical Accreditation Board (AAB) has approved ALS Laboratory Group, Environmental Division, (Cincinnati) 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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AIHA Laboratory Accreditation Programs, LLC

acknowledges that

ALS Laboratory Group, Environmental Division, (Cincinnati)

4388 Glendale-Milford Road, Cincinnati, OH 45242

Laboratory ID: 100921

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: January 01, 2021 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL LEAD | Accreditation Expires: January 01, 2021 |
| <input type="checkbox"/> ENVIRONMENTAL MICROBIOLOGY | Accreditation Expires: |
| <input type="checkbox"/> FOOD | Accreditation Expires: |
| <input type="checkbox"/> UNIQUE SCOPES | 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.

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

ALS Laboratory Group, Environmental Division, (Cincinnati)
 4388 Glendale-Milford Road, Cincinnati, OH 45242

Laboratory ID: **100921**
 Issue Date: 12/21/2018

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: 03/01/1989

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>
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1000	
			NIOSH 1001	
			NIOSH 1002	
			NIOSH 1003	
			NIOSH 1004	
			NIOSH 1005	
			NIOSH 1006	
			NIOSH 1007	
			NIOSH 1009	
			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				



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>
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1301	
			NIOSH 1302	
			NIOSH 1400	
			NIOSH 1401	
			NIOSH 1402	
			NIOSH 1403	
			NIOSH 1404	
			NIOSH 1405	
			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 1552	
			NIOSH 1601	
			NIOSH 1602	
			NIOSH 1603	
			NIOSH 1604	
			NIOSH 1606	
			NIOSH 1608	
			NIOSH 1609	
			NIOSH 1610	
NIOSH 1611				
NIOSH 1612				
NIOSH 1613				
NIOSH 1615				
NIOSH 1616				
NIOSH 1617				
NIOSH 1618				
NIOSH 1619				
NIOSH 1620				
NIOSH 2000				



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>
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 2002	
			NIOSH 2003	
			NIOSH 2004	
			NIOSH 2005	
			NIOSH 2007	
			NIOSH 2010	
			NIOSH 2012	
			NIOSH 2013	
			NIOSH 2017	
			NIOSH 2500	
			NIOSH 2505	
			NIOSH 2508	
			NIOSH 2513	
			NIOSH 2515	
			NIOSH 2516	
			NIOSH 2519	
			NIOSH 2521	
			NIOSH 2523	
			NIOSH 2526	
			NIOSH 2527	
			NIOSH 2528	
			NIOSH 2529	
			NIOSH 2530	
			NIOSH 2536	
			NIOSH 2537	
			NIOSH 2538	
			NIOSH 2539	
			NIOSH 2541	
			NIOSH 2545	
			NIOSH 2552	
NIOSH 2553				
NIOSH 2554				
NIOSH 2555				
NIOSH 2556				
NIOSH 2557				
NIOSH 2558				
NIOSH 2561				
NIOSH 2562				
NIOSH 3511				
NIOSH 5019				



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Chromatography Core	Gas Chromatography	GC/FID	NIOSH 5020	
			NIOSH 5021	
			NIOSH 5515	
			NIOSH 5518	
			NIOSH 5523	
			NIOSH 5701	
			OSHA 01	
			OSHA 04	
			OSHA 05	
			OSHA 08	
			OSHA 100	
			OSHA 1001	
			OSHA 1002	
			OSHA 1004	
			OSHA 1005	
			OSHA 101	
			OSHA 103	
			OSHA 104	
			OSHA 106	
			OSHA 109	
			OSHA 11	
			OSHA 110	
			OSHA 111	
			OSHA 113	
			OSHA 12	
			OSHA 14	
			OSHA 15	
			OSHA 16	
			OSHA 19	
			OSHA 29	
			OSHA 35	
			OSHA 46	
			OSHA 48	
OSHA 51				
OSHA 53				
OSHA 56				
OSHA 59				
OSHA 79				
OSHA 80				
OSHA 83				



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>
Chromatography Core	Gas Chromatography	GC/FID	OSHA 84	
			OSHA 88	
			OSHA 89	
			OSHA 91	
			OSHA 92	
			OSHA 94	
			OSHA 99	
			OSHA PV2002	
			OSHA PV2003	
			OSHA PV2009	
			OSHA PV2010	
			OSHA PV2011	
			OSHA PV2013	
			OSHA PV2014	
			OSHA PV2016	
			OSHA PV2019	
			OSHA PV2020	
			OSHA PV2021	
			OSHA PV2022	
			OSHA PV2024	
			OSHA PV2025	
			OSHA PV2026	
			OSHA PV2028	
			OSHA PV2031	
			OSHA PV2033	
			OSHA PV2036	
			OSHA PV2039	
			OSHA PV2040	
			OSHA PV2041	
			OSHA PV2042	
OSHA PV2043				
OSHA PV2047				
OSHA PV2051				
OSHA PV2053				
OSHA PV2057				
OSHA PV2060				
OSHA PV2061				
OSHA PV2062				
OSHA PV2064				
OSHA PV2075				



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>
Chromatography Core	Gas Chromatography	GC/FID	OSHA PV2076	
			OSHA PV2077	
			OSHA PV2078	
			OSHA PV2079	
			OSHA PV2080	
			OSHA PV2081	
			OSHA PV2083	
			OSHA PV2085	
			OSHA PV2090	
			OSHA PV2091	
			OSHA PV2094	
			OSHA PV2095	
			OSHA PV2098	
			OSHA PV2100	
			OSHA PV2101	
			OSHA PV2106	
			OSHA PV2108	
			OSHA PV2118	
			OSHA PV2123	
			OSHA PV2124	
			OSHA PV2128	
			OSHA PV2131	
			OSHA PV2132	
			OSHA PV2133	
		OSHA PV2137		
		OSHA PV2138		
		OSHA PV2139		
		OSHA PV2140		
		GC/TCD	OSHA ID-172	
		GC/ECD	NIOSH 1008	
			NIOSH 1614	
			NIOSH 2015	
			NIOSH 2507	
			NIOSH 2517	
NIOSH 2518				
NIOSH 2543				
NIOSH 5014				
NIOSH 5025				
NIOSH 5039				
NIOSH 5502				



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>
Chromatography Core	Gas Chromatography	GC/ECD	NIOSH 5503	
			NIOSH 5508	
			NIOSH 5510	
			NIOSH 5517	
			NIOSH 5519	
			NIOSH 5602	
			OSHA 02	
			OSHA 10	
			OSHA 112	
			OSHA 44	
			OSHA 49	
			OSHA 50	
			OSHA 57	
			OSHA 93	
			OSHA 97	
			OSHA PV2023	
			OSHA PV2029	
			OSHA PV2038	
			OSHA PV2050	
			OSHA PV2055	
		OSHA PV2063		
		OSHA PV2066		
		OSHA PV2071		
		OSHA PV2074		
		OSHA PV2088		
		OSHA PV2089		
		OSHA PV2103		
		GC/NPD	NIOSH 1302	
			NIOSH 2501	
			NIOSH 2506	
			NIOSH 2544	
			NIOSH 2551	
NIOSH 3513				
OSHA 102				
OSHA 21				
OSHA 37				
OSHA 52				
OSHA 82				
OSHA PV2048				
OSHA PV2084				



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>
Chromatography Core	Gas Chromatography	GC/NPD	OSHA PV2096	
			OSHA PV2104	
		GC/FPD	NIOSH 2504	
			NIOSH 5514	
			NIOSH 5600	
		GC/DID	OSHA ID-210	
	Gas Chromatography (Diffusive Samplers)		NIOSH 1007	
			NIOSH 4000	
			OSHA 49	
	Ion Chromatography (IC)		NIOSH 2008	
			NIOSH 2011	
			NIOSH 6004	
			NIOSH 6005	
			NIOSH 6011	
			NIOSH 6012	
			NIOSH 6013	
			NIOSH 6016	
			NIOSH 7604	
			NIOSH 7605	
			NIOSH 7903	
			NIOSH 7906	
			OSHA ID-111	
			OSHA ID-128SG	
			OSHA ID-165SG	
			OSHA ID-174SG	
			OSHA ID-182	
			OSHA ID-186SG	
			OSHA ID-188	
			OSHA ID-190	
			OSHA ID-202	
		OSHA ID-211		
		OSHA ID-212		
		OSHA ID-214		
		OSHA ID-215		
	OSHA PV2119			
	OSHA W4001			
Liquid Chromatography		HPLC/FL	NIOSH 5032	
			NIOSH 5041	
			OSHA 42	
			OSHA ORG 47	



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>
Chromatography Core	Liquid Chromatography	HPLC/UV	NIOSH 2014	
			NIOSH 2016	
			NIOSH 2018	
			NIOSH 2514	
			NIOSH 2532	
			NIOSH 2535	
			NIOSH 2540	
			NIOSH 2559	
			NIOSH 3507	
			NIOSH 3512	
			NIOSH 3600	
			NIOSH 3601	
			NIOSH 5001	
			NIOSH 5002	
			NIOSH 5003	
			NIOSH 5004	
			NIOSH 5005	
			NIOSH 5007	
			NIOSH 5008	
			NIOSH 5009	
			NIOSH 5010	
			NIOSH 5013	
			NIOSH 5016	
			NIOSH 5018	
			NIOSH 5027	
			NIOSH 5029	
			NIOSH 5030	
			NIOSH 5031	
			NIOSH 5033	
			NIOSH 5043	
			NIOSH 5044	
			NIOSH 5046	
			NIOSH 5506	
NIOSH 5509				
NIOSH 5512				
NIOSH 5516				
NIOSH 5521				
NIOSH 5522				
NIOSH 5601				
NIOSH 5606				



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Chromatography Core	Liquid Chromatography	HPLC/UV	NIOSH 5700	
			NIOSH 9202	
			NIOSH 9205	
			OSHA 105	
			OSHA 32	
			OSHA ORG 107	
			OSHA ORG 108	
			OSHA ORG 20	
			OSHA ORG 22	
			OSHA ORG 24	
			OSHA ORG 25	
			OSHA ORG 28	
			OSHA ORG 34	
			OSHA ORG 36	
			OSHA ORG 39	
			OSHA ORG 40	
			OSHA ORG 41	
			OSHA ORG 43	
			OSHA ORG 45	
			OSHA ORG 47	
			OSHA ORG 54	
			OSHA ORG 55	
			OSHA ORG 58	
			OSHA ORG 60	
			OSHA ORG 63	
			OSHA ORG 64	
			OSHA ORG 78	
			OSHA ORG 81	
			OSHA ORG 85	
			OSHA ORG 86	
OSHA ORG 87				
OSHA ORG 90				
OSHA ORG 95				
OSHA ORG 96				
OSHA ORG 98				
OSHA PV2001				
OSHA PV2004				
OSHA PV2005				
OSHA PV2006				
OSHA PV2007				



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Chromatography Core	Liquid Chromatography	HPLC/UV	OSHA PV2008	
			OSHA PV2012	
			OSHA PV2017	
			OSHA PV2018	
			OSHA PV2030	
			OSHA PV2032	
			OSHA PV2034	
			OSHA PV2035	
			OSHA PV2046	
			OSHA PV2049	
			OSHA PV2052	
			OSHA PV2056	
			OSHA PV2058	
			OSHA PV2059	
			OSHA PV2067	
			OSHA PV2068	
			OSHA PV2069	
			OSHA PV2070	
			OSHA PV2072	
			OSHA PV2082	
			OSHA PV2092	
			OSHA PV2093	
			OSHA PV2097	
			OSHA PV2102	
			OSHA PV2107	
			OSHA PV2109	
			OSHA PV2110	
			OSHA PV2111	
			OSHA PV2114	
			OSHA PV2116	
OSHA PV2117				
OSHA PV2122				
OSHA PV2125				
OSHA PV2126				
OSHA PV2127				
OSHA PV2129				
OSHA PV2135				
OSHA W4002				
Spectrometry Core	Atomic Absorption	CVAA	NIOSH 6009	
			OSHA ID-140	



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Spectrometry Core	Atomic Absorption	CVAA	OSHA ID-145	
	Inductively-Coupled Plasma	ICP/AES	NIOSH 7300 Modified	
Asbestos/Fiber Microscopy Core	Polarized Light Microscopy (PLM)		EPA 600/R-93/116	
			NIOSH 9002	
	Phase Contrast Microscopy (PCM)		NIOSH 7400	
	Transmission Electron Microscopy (TEM)		NIOSH 7402	
Miscellaneous Core	Gravimetric		40 CFR Pt. 50 App. J (PM-10) & App. L (PM-2.5)	40 CFR Pt. 50 App. J (PM-10) & App. L (PM-2.5)
			NIOSH 0500	
			NIOSH 0600	
			NIOSH 5000	
			NIOSH 5042	
		OSHA 196	Carbon Black	

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



AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

ALS Laboratory Group, Environmental Division, (Cincinnati) Laboratory ID: **100921**
 4388 Glendale-Milford Road, Cincinnati, OH 45242 Issue Date: 12/21/2018

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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: 01/31/1995

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description <i>(for internal methods only)</i>
Paint		EPA SW-846 3050B	
		EPA SW-846 6010B	
Soil		EPA SW-846 3050B	
		EPA SW-846 6010B	
Settled Dust by Wipe		EPA SW-846 3050B	
		EPA SW-846 6010B	
Airborne Dust		NIOSH 7300 Modified	

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