December 17, 2018

Laboratory ID: 101574

Steven Sagers
ALS Environmental
960 West Levoy Dr.
Salt Lake City, UT 84123-2547

Dear Mr. Sagers:

We have received your request to drop from the AIHA-LAP, LLC Environmental Lead Laboratory Accreditation Program(s). The drop is effective as of the date of this letter.

Please destroy the accreditation Certificate and Scope of Accreditation documents, which are the property of AIHA-LAP, LLC as soon as possible. We have updated our records to reflect the status of your accreditation and your laboratory has been removed from the ELLAP Accredited Laboratory list maintained on AIHA-LAP, LLC's website.

Per AIHA-LAP, LCC Advertising Policy, Module 7.1, "Only accredited AIHA-LAP, LLC laboratories may use the AIHA-LAP, LLC accreditation symbol for purposes of advertising their laboratory accreditation." We ask that you cease use of the AIHA-LAP, LLC symbol and no longer reference AIHA-LAP, LLC accreditation on the laboratory's website and/or printed materials, and provide evidence of compliance within 10 business days from the date of this letter.

If you have any questions, please contact Drake McGregor, Laboratory Accreditation Specialist, at (703) 846-0739.

Sincerely,

Olena Bulgakova

Olena Bulgakova
Accreditation Manager, AIHA-LAP, LLC

February 28, 2018

Laboratory ID: 101574

Robert DiRienzo
ALS Environmental
960 West Levoy Dr.
Salt Lake City, UT 84123-2547

Dear Mr. DiRienzo:

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

Cheryl O. Morton
Managing Director

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

✓	**INDUSTRIAL HYGIENE**	Accreditation Expires: May 01, 2020
☐	**ENVIRONMENTAL LEAD**	Accreditation Expires:
☐	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires:
☐	**FOOD**	Accreditation Expires:
☐	**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.

Beth Bair

Elizabeth Bair
Chairperson, Analytical Accreditation Board

Cheryl O. Morton

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

Revision 17 – 09/11/2018

Date Issued: 12/17/2018

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: 04/19/2018

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: 08/01/1974

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 *(for internal methods only)*
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) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte (*for internal methods only*)
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	
			NIOSH 2500	
			NIOSH 2505	
			NIOSH 2508	
			NIOSH 2513	
			NIOSH 2516	
			NIOSH 2519	
			NIOSH 2521	

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 *(for internal methods only)*
Chromatography Core	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	

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 (*for internal methods only*)
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	Method for GC
			OSHA 10	Method for GC
			OSHA 2 Modified	
			OSHA 44 Modified	
			OSHA 67	
			OSHA 76	
		GC/Chemiluminesence	ASTM D5504	
			NIOSH 1622	
			NIOSH 2510 Modified	
	GC/MS		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
			IH-AN-Nicotine	

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 (*for internal methods only*)
Chromatography Core	GC/MS		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	
			OSHA PV 2018 Modified	

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 (*for internal methods only*)
Chromatography Core	GC/MS		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 7607 DRAFT
			NIOSH 2011	
			NIOSH 6004 Modified	
			NIOSH 6005	
			NIOSH 6011 Modified	
			NIOSH 6012	
			NIOSH 6013	
			NIOSH 7607	
			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	
			OSHA ID-214	

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 (*for internal methods only*)
Chromatography Core	Liquid Chromatography	HPLC/UV	EPA TO-11A	
			NIOSH 2005	
			NIOSH 2014	
			NIOSH 2016	
			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	
			NIOSH 9029 Draft	
			OSHA 1007 Modified	
			OSHA 108	
			OSHA 24	
			OSHA 25	
			OSHA 28	

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 (*for internal methods only*)
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	
			OSHA PV 2096 Modified	

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 (*for internal methods only*)
Chromatography Core		LC/MS	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	
			OSHA ID-125G 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	
Asbestos/Fiber Microscopy Core	Polarized Light Microscopy (PLM)		NIOSH 9002 Modified	

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 (*for internal methods only*)
Asbestos/Fiber Microscopy Core	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	
			OSHA ID-196	
	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