



July 31, 2017

Laboratory ID: 100967

Lisa Beach
Maxxam Analytics
22345 Roethel Drive
Novi, MI 48375

Dear Ms. Beach:

Congratulations! The AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC's Analytical Accreditation Board (AAB) has approved Maxxam Analytics as an accredited Industrial Hygiene, Environmental Lead, Environmental Microbiology, and Unique Scope laboratory.

Accreditation documentation includes the IHLAP, ELLAP, EMLAP, and Unique Scope 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. Please inform us if your laboratory does not wish to use the symbol in advertising.

Laboratory accreditation shall be maintained by continued compliance with IHLAP, ELLAP, EMLAP, and Unique Scope requirements (*see Policy Modules 2B, 2C, 2D, 2E, 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, ELLAP, EMLAP, and Unique Scope.

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

Sincerely,

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

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

R3 05/05/2015

Page 1 of 1



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Maxxam Analytics

22345 Roethel Drive, Novi, MI 48375

Laboratory ID: 100967

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: August 01, 2019 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL LEAD | Accreditation Expires: August 01, 2019 |
| <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

Maxxam Analytics

22345 Roethel Drive, Novi, MI 48375

Laboratory ID: **100967**

Issue Date: 06/18/2018

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>
Chromatography Core	Gas Chromatography	GC/FID	EXXFID 1, 10, 11, 2, 3, 4, 5, 6, 7, 8, 9	Proprietary
			GCIH11	Siloxanes
			GCIH14	Propyl Bromide
			GCIH182	Sulfolane
			GCIH191	Siloxanes
			GCIH21	Decafluoropentane
			GCIH27	Dimethyl Sulfoxide (DMSO)
			GCIH29	Acrylates
			GCIH43	HFE-7100 & HFE-7200
			GCIH61	Aminofunctional Siloxanes
			GCIH71	C7-C9 Alcohols
			GCIH80	2,2,2-Trifluoroethanol
			GCIH84	Chloroformates and Phosgene
			GCIH87	o-phenyl phenol
			GCIH90	Polyfunctional Aziridine
			GCIH99	Methyl Pyridine Isomers
			NIOSH 1000	
NIOSH 1001				

Effective: 04/10/2015

100967_Scope_IHLAP_2018_06_11

Page 1 of 11



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 1003	
			NIOSH 1005	
			NIOSH 1006	
			NIOSH 1007	
			NIOSH 1010	
			NIOSH 1011	
			NIOSH 1014	
			NIOSH 1015	
			NIOSH 1017	
			NIOSH 1018	
			NIOSH 1019	
			NIOSH 1020	
			NIOSH 1022	
			NIOSH 1024	
			NIOSH 1300	
			NIOSH 1301	
			NIOSH 1400	
			NIOSH 1401	
			NIOSH 1402	
			NIOSH 1403	
			NIOSH 1405	
			NIOSH 1450	Esters I (OSH7)
			NIOSH 1451	
			NIOSH 1453	
			NIOSH 1454	
			NIOSH 1458	
			NIOSH 1500	
			NIOSH 1501	
			NIOSH 1550	
			NIOSH 1551	
			NIOSH 1552	
			NIOSH 1604	
NIOSH 1606				
NIOSH 1608				
NIOSH 1609				
NIOSH 1610				
NIOSH 1612				
NIOSH 1613				
NIOSH 1615				
NIOSH 1619				
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 2004	
			NIOSH 2005	
			NIOSH 2013	
			NIOSH 2017	
			NIOSH 2500	
			NIOSH 2505	
			NIOSH 2508	
			NIOSH 2513	
			NIOSH 2519	
			NIOSH 2521	
			NIOSH 2526	
			NIOSH 2529	
			NIOSH 2530	
			NIOSH 2537	
			NIOSH 2545	
			NIOSH 2546	
			NIOSH 2553	
			NIOSH 2554	
			NIOSH 2555	
			NIOSH 5021	
			NIOSH 5523	
			NIOSH S-264	
			NOV SOP-00005	Organic Vapors on Carbon Based Sorbents by GC
			OSHA 100	
			OSHA 1002	
			OSHA 1004	
			OSHA 1005	
			OSHA 1013	
			OSHA 1014	
OSHA 103				
OSHA 104				
OSHA 106				
OSHA 111				
OSHA 16				
OSHA 29				
OSHA 35				
OSHA 53				
OSHA 56				



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 59	
			OSHA 72	
			OSHA 80	
			OSHA 83	
			OSHA 89	
			OSHA 91	
			OSHA 94	
			OSHA PV2003	
			OSHA PV2009	
			OSHA PV2010	
			OSHA PV2011	
			OSHA PV2016	
			OSHA PV2019	
			OSHA PV2020	
			OSHA PV2021	
			OSHA PV2022	
			OSHA PV2025	
			OSHA PV2026	
			OSHA PV2033	
			OSHA PV2036	
			OSHA PV2039	
			OSHA PV2040	
			OSHA PV2041	
			OSHA PV2047	
			OSHA PV2053	
			OSHA PV2060	
			OSHA PV2077	
			OSHA PV2078	
		OSHA PV2079		
		OSHA PV2080		
		OSHA PV2101		
OSHA PV2108				
OSHA PV2118				
OSHA PV2123				
OSHA PV2130				
OSHA PV2141				
GC/ECD	ECD_BIFEN	Bifenthrin		
	EXXECD1	Proprietary		
	GCIH22	Proprietary		
	GCIH59	Proprietary		
	GCIH60	Proprietary Herbicides		



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	MON 003, 005, 006	Proprietary Compounds
			NIOSH 2507	
			NIOSH 2543	
			NIOSH 5503	
			NIOSH 5510	
			NIOSH 5517	
			NIOSH S-274	
			OSHA 1010	
			OSHA 1012	
			OSHA 112	
			OSHA 44	
			OSHA 49	
			OSHA 57	
			OSHA 65	
			OSHA 70	
			OSHA 71	
			OSHA 97	
			OSHA PV2023	
			OSHA PV2055	
			OSHA PV2063	
		OSHA PV2066		
		OSHA PV2071		
		OSHA PV2103		
		GC/NPD	BV 2007	Methanol Amines
			BV 2010	Sulfuric Acid Amines
			GCIH10	Formamide
			GCIH45	Nitroanilines
			GCIH54	Bis(2-dimethylaminoethyl)ether
			GCIH63	Proprietary
			GCIH64	Proprietary
			MON 001, 007, 008	Proprietary
			NIOSH 1302	
			NIOSH 2527	
NIOSH 2544				
NIOSH 2551				
NIOSH 5293				
OSHA 21				
OSHA 37				



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 52	
			OSHA 61	
			OSHA 66	
			OSHA 82	
			OSHA CSI	
			OSHA PV2048	
			OSHA PV2096	
		GC/FPD	APCA	Proprietary
			BV 2075	
			BV 2524	
			GCIH12	Diethyl Sulfate
			GCIH38	Proprietary Compound
			GCIH46	Organotins
			GCIH5	2-Mercaptoethanol
			GCIH56	Phosphorous
			GCIH6	Dimethyl Disulfide and Dimethyl Sulfide
			GCIH70	Organotins
			GCIH73	Organotins
			GCIH92	Proprietary/Dodecyl Mercaptan
			NIOSH 1600	
			NIOSH 2510	
	NIOSH 2542			
	NIOSH 2560			
	NIOSH 5034			
	NIOSH 5037			
	NIOSH 5038			
	NIOSH 5526			
	NIOSH 5600			
	NIOSH 7905			
	OSHA 62			
	GC/MS	EPA 325B		
		EPA TO-15		
		EPA TO-17		
EXX MS PNA				
NIOSH 2549				
Gas Chromatography (Diffusive Samplers)	3M Guidance	OSH7M		
	AT Labs Guidance	OSH7M		



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 (Diffusive Samplers)		NOV SOP-00005	Organic Vapors on Carbon Based Sorbents by GC
			OSHA 1001	
			OSHA 1002	
			OSHA 1004	
			OSHA 1005	
			OSHA 1009	
			OSHA 111	
	SKC Guidance	OSH7M		
	Ion Chromatography (IC)		NIOSH 2011	
			NIOSH 6004	
			NIOSH 6011	
			NIOSH 6013	
			NIOSH 6016	
			NIOSH 7903	
			NIOSH 7906	
			NIOSH 7907	
			NIOSH 7908	
			OSHA ID-1008	
			OSHA ID-1011	
			OSHA ID-108	
			OSHA ID-111	
			OSHA ID-113	
			OSHA ID-165	
			OSHA ID-174	
			OSHA ID-182	
			OSHA ID-190	
			OSHA ID-200	
			OSHA ID-211	
	OSHA ID-214			
	OSHA ID-215			
	OSHA In-house / Sulfamic Acid	WCIC5		
	OSHA PV 2115	WCIC1		
	OSHA PV2119			
	OSHA W4001			
Liquid Chromatography	HPLC/FL	NIOSH 5041		
		NIOSH 5521		
		OSHA 54		
		OSHA 58		



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	EPA IP-6	
			EPA TO-11A	
			EXXLC1	Tetraethyl Lead on XAD-2 Sorbent Tubes by HPLC/UV
			LC168	Proprietary Compounds
			LC197	Bis (4-chlorophenyl) sulphone
			LC200	Peroxyacetic Acid on Treated Sorbent Tubes by HPLC/UV
			LC3	Acylamide and Acrylic Acid
			NIOSH 2014	
			NIOSH 2016	
			NIOSH 2532	
			NIOSH 2540	
			NIOSH 333	
			NIOSH 5001	
			NIOSH 5003	
			NIOSH 5004	
			NIOSH 5008	
			NIOSH 5009	
			NIOSH 5031	
			NIOSH 5506	
			NIOSH 5521	
			NIOSH 5601	
			NIOSH 5700	
			Omega ISO-CHEK	ISOCHEK
			OSHA 1007	
			OSHA 108	
			OSHA 25	
			OSHA 28	
			OSHA 32	
			OSHA 39	
			OSHA 40	
OSHA 41				
OSHA 42				
OSHA 45				
OSHA 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	OSHA 55		
			OSHA 58		
			OSHA 60		
			OSHA 64		
			OSHA 86		
			OSHA 87		
			OSHA 90		
			OSHA 95		
			OSHA 98		
			OSHA PV2004		
			OSHA PV2005		
			OSHA PV2012		
			OSHA PV2032		
			OSHA PV2034		
			OSHA PV2046		
			OSHA PV2059		
			OSHA PV2067		
			OSHA PV2092		
		OSHA PV2094			
		OSHA PV2125			
OSHA PV2126					
OSHA PV2135					
Spectrometry Core	Atomic Absorption	CVAA	NIOSH 6009		
	Inductively-Coupled Plasma		ICP/MS	OSHA ID-140	
				OSHA ID-145	
		ASTM D7439-14			
		BV 125_MS			
		BV 6001_MS			
		BV 6007_MS			
		BV 7300_MS			
	BV 7303_MS				
	EPA SW-846 3050				
EPA SW-846 6020A					



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>
Spectrometry Core	Inductively-Coupled Plasma	ICP/MS	MEIH3	Metals/Elements by ICP/MS
			MEIH4	Metals/Elements by ICP/MS
		ICP/AES	40 CFR 50, Appendix G	Lead on Hi-Vol Filters
			BV 7300	
			BV 7901	
			BV 9102	
			EPA 6010	
			NIOSH 7301	
			NIOSH 7303	
			OSHA 1003	
			OSHA ID-125	
	TIO2_F	BVNA In-House / Titanium Dioxide		
	X-ray Diffraction (XRD)		NIOSH 7500	
	UV/VIS (Colorimetric)		BV 124	Annals Occup. Hyg. 2004 / Hydrogen Peroxide
			NIOSH 3500	
			NIOSH 6010	
			NIOSH 6014	
			NIOSH 7600	
			OSHA 1019	
			OSHA ID-124	
		OSHA ID-205		
Infrared		WCIH3	Proprietary	
Titrimetric		NIOSH 5026		
Miscellaneous Core			BV 7401	
	Gravimetric		EPA 5	
			MDHS 14/3	
			MDHS 47/2	
			NIOSH 0500	
			NIOSH 0600	
			NIOSH 5000	
			NIOSH 5042	
			NIOSH 5524	
			OSHA 58	
		OSHA ID-196		



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>
Miscellaneous Core	Ion-selective electrode (ISE)		NIOSH 7902	
			NIOSH 7904	
			OSHA ID-120	
			OSHA ID-212	
	Thermo-optical Analysis (TOA)		NIOSH 5040	
Beryllium Testing	Inductively-Coupled Plasma	ICP/MS	BV 125_MS	Air
			BV 125_MS	Bulk
			BV 7300_MS	
			BV 7303_MS	
			EPA SW-846 6020A	
		ICP/AES	BV 7300	
			EPA SW-846 3050B	
			EPA SW-846 6010C	
			NIOSH 7303	
			OSHA ID-125	

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

Maxxam Analytics

22345 Roethel Drive, Novi, MI 48375

Laboratory ID: **100967**

Issue Date: 07/31/2017

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.

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: 07/15/1999

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 6010C	
Soil		EPA SW-846 3050B	
		EPA SW-846 6010C	
Settled Dust by Wipe		EPA SW-846 3050B	
		EPA SW-846 6010C	
		BV 9102	
		OSHA ID-125	
Airborne Dust		BV 125	
		40 CFR 50, Appendix. G	Lead on Hi-Vol Filters
		BV 7300	Prep & Analysis of Filters by ICP-OES
		NIOSH 7303	Prep & Analysis of Filters by ICP-OES
	OSHA ID-125	Prep & Analysis by ICP	

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