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**APPENDIX A**  
**IHLAP PT/SCOPE TABLE**

*Note: This table illustrates the various technologies and some associated methodologies that may be accredited under the IHLAP. **The listing is provided as an example, and is by no means intended to be a comprehensive list.** The table demonstrates how proficiency testing participation is linked to specific methods. The list of methods is limited to occupational hygiene test methods for each Field of Testing and may include OSHA, NIOSH, ASTM, EPA, or proprietary methods. **Please see Policy 6B.2 for information on how to assign a single PT program (e.g. IHPAT Metals) to multiple Fields of Testing (e.g. ICP and AA).***

IHLAP Scope/PT Table				
INDUSTRIAL HYGIENE – CORE PROGRAM TESTING (METALS, ASBESTOS, ORGANICS, SILICA)				
Field of Testing (FoT)	Method	Method Description	PT Participation Requirement	<u>Other Approved Proficiency Testing Programs and Round Robins</u>
Gas Chromatography	OSHA 07	Organic Vapors	AIHA IHPAT (Organics)	
	NIOSH 1501	Aromatic Hydrocarbons	AIHA IHPAT (Organics)	
	NIOSH 1500	Hydrocarbons	AIHA IHPAT (Organics)	
	NIOSH 1400	Alcohols I	AIHA IHPAT (Organics)	
	NIOSH 2000	Methanol	AIHA IHPAT (Organics)	
	NIOSH 1003	Halogenated HC	AIHA IHPAT (Organics)	
	NIOSH 5515	PAH by GC	AIHA IHPAT (Organics)	
	OSHA 1005	Benzene (Diffusive Sampler)	AIHA IHPAT (Diffusive Sampler)	
	OSHA 111	Toluene (Diffusive Sampler)	AIHA IHPAT (Diffusive Sampler)	
	NIOSH 5038	Triphenyl Phosphate	AIHA IHPAT (Organics) or Demonstration of Competency **	

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IHLAP Scope/PT Table				
INDUSTRIAL HYGIENE – CORE PROGRAM TESTING (METALS, ASBESTOS, ORGANICS, SILICA)				
Field of Testing (FoT)	Method	Method Description	PT Participation Requirement	<u>Other Approved Proficiency Testing Programs and Round Robins</u>
Gas Chromatography (continued)	OSHA 52	Formaldehyde	AIHA IHPAT (Organics) or Demonstration of Competency **	
	EPA IP-2A	Nicotine	AIHA IHPAT (Organics) or Demonstration of Competency **	
	ASTM D5578-94	Ethylene Oxide	AIHA IHPAT (Organics) or Demonstration of Competency **	
GC/MS	NIOSH 2549	Volatile Organic Compounds	AIHA IHPAT (Organics) or Demonstration of Competency **	Health & Safety Executive (UK) – WASP
	NIOSH 2539	Aldehydes screening	AIHA IHPAT (Organics) or Demonstration of Competency **	
	OSHA PV2120	Volatile Organic Compounds in Air	AIHA IHPAT (Organics) or Demonstration of Competency *	Health & Safety Executive (UK) – WASP
HPLC	NIOSH 5506	PAH by HPLC	Demonstration of Competency as per Module 6B	Germany – BGIA
	OSHA 58	PAH by HPLC/FL	Demonstration of Competency as per Module 6B	Germany – BGIA
	OSHA 47	MDI	Demonstration of Competency as per Module 6B	Canada – IRSST
	OSHA 39	Pentachlorophenol	Demonstration of Competency as per Module 6B	
	EPA IP-6A	Aldehydes	Demonstration of Competency as per Module 6B	

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**IHLAP Scope/PT Table**

**INDUSTRIAL HYGIENE – CORE PROGRAM TESTING (METALS, ASBESTOS, ORGANICS, SILICA)**

Field of Testing (FoT)	Method	Method Description	PT Participation Requirement	<u>Other Approved Proficiency Testing Programs and Round Robins</u>
AA	NIOSH 7082	Lead	AIHA IHPAT (Metals)	
	OSHA ID-121	Metals by Flame AA	AIHA IHPAT (Metals)	
	ASTM C738-94	Lead	AIHA IHPAT (Metals)	
	NIOSH 7901	Arsenic by AAS Graphite Furnace	AIHA IHPAT (Metals) or Demonstration of Competency **	
	OSHA 105	Arsenic by AAS Graphite Furnace	AIHA IHPAT (Metals) or Demonstration of Competency **	
	NIOSH 6009	Mercury by AAS Cold Vapor	AIHA IHPAT (Metals) or Demonstration of Competency **	
ICP	NIOSH 7300	Metals by ICP	AIHA IHPAT (Metals)	
	OSHA ID-125G	Metals by ICP	AIHA IHPAT (Metals)	
	NIOSH 7105	Lead	AIHA IHPAT (Metals)	
XRD	NIOSH 7500	Chrystalline Silica	AIHA IHPAT (Silica)	
	OSHA 142	Silica	AIHA IHPAT (Silica)	
	NIOSH 7506	Boron Carbide	Demonstration of Competency as per Module 6B	
Titration	NIOSH 7402	Alkaline Dusts	Demonstration of Competency as per Module 6B	
Ion Chromatography	NIOSH 7903	Acids, Inorganic	Demonstration of Competency as per Module 6B	Germany – BGIA

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**IHLAP Scope/PT Table**

**INDUSTRIAL HYGIENE – CORE PROGRAM TESTING (METALS, ASBESTOS, ORGANICS, SILICA)**

Field of Testing (FoT)	Method	Method Description	PT Participation Requirement	<u>Other Approved Proficiency Testing Programs and Round Robins</u>
	OSHA ID-174SG	Hydrogen Chloride	Demonstration of Competency as per Module 6B	Germany – BGIA
	OSHA ID-164SG	Hydrogen Bromide	Demonstration of Competency as per Module 6B	Germany – BGIA
Gravimetric	NIOSH 0500	Particulate, N.O.R.	Demonstration of Competency as per Module 6B	Health & Safety Executive (UK) – WASP
	NIOSH 0600	Particulate, N.O.R., Resp.	Demonstration of Competency as per Module 6B	Health & Safety Executive (UK) – WASP
ISE	OSHA ID-120	Cyanide	Demonstration of Competency as per Module 6B	
	NIOSH 7902	Fluorides	Demonstration of Competency as per Module 6B	
UV/VIS (Colorimetric)	NIOSH 3501	Formaldehyde	Demonstration of Competency as per Module 6B	
	NIOSH 6010	Cyanides	Demonstration of Competency as per Module 6B	
IR	NIOSH 7602	Silica	AIHA IHPAT (Silica)	
	NIOSH 5026	Mineral Oil	Demonstration of Competency as per Module 6B	
<u>Thermal Optical Analyzer</u>	<u>NIOSH 5040</u>	<u>Elemental Carbon</u>	<u>Demonstration of Competency as per Module 6B</u>	
Polarized Light Microscopy (PLM)	NIOSH 9002	Asbestos	AIHA BAPAT or NVLAP	
	OSHA ID-191	Asbestos	AIHA BAPAT or NVLAP	
	EPA Method 600/R-93/116	Asbestos	AIHA BAPAT or NVLAP	

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**IHLAP Scope/PT Table**

**INDUSTRIAL HYGIENE – CORE PROGRAM TESTING (METALS, ASBESTOS, ORGANICS, SILICA)**

Field of Testing (FoT)	Method	Method Description	PT Participation Requirement	<u>Other Approved Proficiency Testing Programs and Round Robins</u>
Phase Contrast Microscopy (PCM)	NIOSH 7400	Fibers	AIHA IHPAT (Asbestos)	
	OSHA ID-160	Fibers	AIHA IHPAT (Asbestos)	
Transmission Electron Microscopy (TEM)	NIOSH 7402	Asbestos	Demonstration of Competency as per Module 6B	NVLAP

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**Other Fields of Testing/Methods**

**INDUSTRIAL HYGIENE – COMPRESSED/BREATHING AIR TESTING**

Field of Testing (FoT)	Method	Method Description	PT Participation Requirement	<u>Other Approved Proficiency Testing Programs and Round Robins</u>
Gas Chromatography	Proprietary Method	Compressed Air	AIHA-approved Compressed/Breathing Air Round Robin Program	
GC/MS	Proprietary Method	Compressed Air	AIHA-approved Compressed/Breathing Air Round Robin Program	
IR	Proprietary Method	Compressed Air	AIHA-approved Compressed/Breathing Air Round Robin Program	
UV/VIS (Colorimetric)	Proprietary Method	Compressed Air	AIHA-approved Compressed/Breathing Air Round Robin Program	
Gravimetric	Proprietary Method	Compressed Air	AIHA-approved Compressed/Breathing Air Round Robin Program	

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Other Fields of Testing/Methods				
INDUSTRIAL HYGIENE – PHARMACEUTICAL TESTING				
Field of Testing (FoT)	Method	Method Description	PT Participation Requirement	Other Approved Proficiency Testing Programs and Round Robins
HPLC	Proprietary Method	Pharmaceuticals	AIHA-approved Pharmaceutical Round Robin Program	
	OSHA PV2001	Estradiol, Progesterone, etc.	AIHA-approved Pharmaceutical Round Robin Program	
GC/MS (appropriate only when the sampling methodology is a filter for collection of pharmaceutical dusts)	Proprietary Method	Pharmaceuticals	AIHA-approved Pharmaceutical Round Robin Program	
LC/MS	Proprietary Method	Pharmaceuticals	AIHA-approved Pharmaceutical Round Robin Program	

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Other Fields of Testing/Methods				
INDUSTRIAL HYGIENE – BERYLLIUM TESTING				
Field of Testing (FoT)	Method	Method Description	PT Participation Requirement	Other Approved Proficiency Testing Programs and Round Robins
AA- Graphite Furnace	NIOSH 7102	Beryllium	AIHA BePAT	
ICP	OSHA ID-206	Beryllium	AIHA BePAT	
<a href="#">Optical Fluorescence</a>	<a href="#">ASTM D7202-05</a>	<a href="#">Beryllium</a>	<a href="#">AIHA BePAT</a>	
	<a href="#">NIOSH 9110</a>	<a href="#">Beryllium</a>	<a href="#">AIHA BePAT</a>	

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\*\* The laboratory seeking accreditation for this FoT/Method shall participate in the AIHA PAT program, as specified, or shall demonstrate competency using one of the alternatives listing in Module 6B. If the laboratory chooses to participate in the AIHA PAT program specified and becomes non-proficient (NP) based on poor performance, then accreditation for all FoT/Method (s) supported by that AIHA PAT program participation shall be suspended.

Example 1: The laboratory scope of accreditation includes OSHA 105 and OSHA ID-121. The laboratory participates in AIHA IHPAT (Metals) and ~~another AIHA-LAP, LLC approved proficiency testing program~~ for Arsenic and becomes NP in the AIHA IHPAT (Metals) program. The laboratory is suspended only for OSHA ID-121 under the AA FoT.

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AIHA LAP, LLC Policy Document – Appendix A  
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Example 2: The laboratory scope of accreditation NIOSH 1500, NIOSH 1501, NIOSH 1400, NIOSH 5503 and OSHA 52. The laboratory participates in AIHA IHPAT (Organics). The laboratory does not perform a separate demonstration of competency for OSHA 52, a GC-NPD method, or NIOSH 5503, a GC-ECD method. The laboratory becomes NP in the AIHA IHPAT (Organics) program. Accreditation for all methods under the Gas Chromatography FoT is suspended.