



11/24/2010

Laboratory ID: 100804

Larissa Welch
B & W Y-12 Analytical Chemistry Organization
P.O. Box 2009, Building 9995,
MS-8189, Dock # 13,
Oak Ridge, TN 37831-8189

Dear Larissa Welch:

Congratulations! The AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC's Analytical Accreditation Board (AAB) has approved B & W Y-12 Analytical Chemistry Organization as an accredited Industrial Hygiene laboratory.

Enclosed, please find the IHLAP 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 logo has been designed for use by all AIHA-LAP, LLC accredited laboratories. If your laboratory chooses to use the logo 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 logo will be sent to you. Please inform us if your laboratory does not wish to use the logo in advertising.

Laboratory accreditation shall be maintained by continued compliance with IHLAP requirements (*see Policy Modules 2B and 6B*), which includes proficient participation in the IHPAT programs 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.

Again, congratulations. If you have any questions, please contact Edmund Wong, Laboratory Accreditation Specialist, at (703) 846-0716.

Sincerely,

A handwritten signature in black ink that reads "Cheryl O. Morton". The signature is written in a cursive style.

Cheryl O. Morton
Director,
AIHA Affiliate Laboratory Programs
Enclosure



AIHA

Laboratory Accreditation
Programs, LLC

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

B & W Y-12 Analytical Chemistry Organization

Y-12 National Security Complex, Building 9995/113 Union Valley Road, Oak Ridge, TN 37831-8189

Laboratory ID: 100804

has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC thereby conforming to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories*. The above named laboratory, along with all premises from which key activities are performed, as listed above, have been accredited by AIHA-LAP, LLC in the following:

LABORATORY ACCREDITATION PROGRAMS

- INDUSTRIAL HYGIENE Accreditation Expires: 12/01/2012
- ENVIRONMENTAL LEAD Accreditation Expires:
- ENVIRONMENTAL MICROBIOLOGY Accreditation Expires:
- 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 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 of accreditation.



Dave Sandusky, CIH
Chairperson, Analytical Accreditation Board

Date Issued: 12/01/2010



AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

B & W Y-12 Analytical Chemistry Organization
 Y-12 National Security Complex, Building 9995/113 Union Valley Road,
 Oak Ridge, TN 37831-8189

Laboratory ID: 100804
 Issue Date: 12/01/2010

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: 11/01/1989

| 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 | | EPA 608 | |
| | | | EPA 8082 | |
| | | | NIOSH 1003 | |
| | | | NIOSH 1022 | |
| | | | NIOSH 1400 | |
| | | | NIOSH 1401 | |
| | | | NIOSH 1450 | |
| | | | NIOSH 1457 | |
| | | | NIOSH 1501 | |
| | | | NIOSH 1550 | |
| | | | NIOSH 1603 | |
| | | | NIOSH 2000 | |
| | | | NIOSH 2500 | |
| | | | NIOSH 2541 | |
| | | | NIOSH 2549 | |
| | | | NIOSH 5020 | |
| | | | NIOSH 5042 | |
| | | | NIOSH 5503 | |
| Spectrometry Core | GC- Diffusive Sampler | | OSHA 07 | |
| | Ion Chromatography (IC) | | NIOSH 7903 | |
| | Atomic Absorption | | EPA 245.1 | |
| Spectrometry Core | Inductively-Coupled Plasma | | EPA 7471 | |
| | | | NIOSH 6009 | |
| | | | EPA 200.8 | |
| | | | EPA SW-846 6010B | |



| 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> |
|---------------------------------------|----------------------------------|--|--|--|
| Spectrometry Core | Inductively-Coupled Plasma | | EPA SW-846 6020 | |
| | Infrared (FTIR, IR, SIR) | | OSHA ID-125 NIOSH 7602 | |
| Asbestos/Fiber Microscopy Core | Polarized Light Microscopy (PLM) | | NIOSH 9002 | |
| | Phase Contrast Microscopy (PCM) | | NIOSH 7400 | |
| Miscellaneous Core | Gravimetric | | NIOSH 0500 | |
| | | | NIOSH 0600 | |
| Beryllium Testing | Inductively- Coupled Plasma | | Y50-AC-65-0019 | In house method for high fired beryllium oxide |
| | Optical Fluorescence | | ASTM D7202 | |
| | | | NIOSH 7704 NIOSH 9110 | |



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)