



DEPARTMENT OF THE NAVY

NAVAL SEA SYSTEMS COMMAND
1333 ISAAC HULL AVE SE
WASHINGTON NAVY YARD DC 20376-0001

IN REPLY TO

5090

Ser 04XQ (LABS)/069A

June 9, 2008

Ms. Helen MacMinn
Analytical Laboratory Services, Inc.
34 Dogwood Lane
Middletown, Pennsylvania 17057

Subj: COMPLETION LETTER REPORT, ANALYTICAL LABORATORY SERVICES, INC.
- MIDDLETOWN, PENNSYLVANIA

NAVSEA Laboratory Quality and Accreditation Office (LQAO) has concluded the assessment of Analytical Laboratory Services, Inc. located in Middletown, Pennsylvania.

The assessment was intended as a general review of analytical capability to support remediation projects and the laboratory's ability to meet quality assurance requirements of the Navy Environmental Restoration (ER) program. The specific methods reviewed under the assessment are summarized in the attached table. This letter presents the outcome of our assessment documented in the following reports:

LQAO ltr 5090 Ser 04XQ(LABS)/310 of 18 Dec 07

LQAO ltr 5090 Ser 04XQ(LABS)/015 of 22 Jan 08

LQAO ltr 5090 Ser 04XQ(LABS)/067 of 26 Mar 08

- **Desk Assessment:** A review of laboratory supplied documentation was conducted. Documentation included the laboratory's quality assurance (QA) manual, selected standard operating procedures (SOPs) and SOP master list, list of major analytical instrumentation, and historical PT information. The documentation was reflective of a laboratory that was in a position to meet Navy requirements; however findings that required resolution were identified.
- **Proficiency Testing (PT) Samples:** Analytical Laboratory Services, Inc. participates in a number of external certification and PT programs, and provided results for the past two years. The laboratory has provided documentation that demonstrates that they have successfully completed two PT samples for all analyses within the scope of the assessment.

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- **On-site Assessment:** Existing on-site assessment documentation is available and was applied to this assessment. The State of Pennsylvania Environmental Laboratory Accreditation Program (PA ELAP) conducted an on-site assessment of the laboratory on December 12-16, 2005. PA ELAP is a National Environmental Laboratory Accreditation Conference (NELAC) recognized accreditation body. The State of Pennsylvania accepted the corrective actions and accredited the laboratory expiring January 31, 2008. Due to the State's inability to conduct an on-site prior to the expiration of their certification, the laboratory has been granted a six month extension. As a result, a DoD Navy ER on-site assessment was conducted on November 28-29, 2007.
- **Corrective Actions:** The Laboratory successfully remedied all of the Navy findings associated with the desk assessment.

The laboratory has provided documentation that demonstrates their capability to support environmental restoration projects (for the tests reviewed under this assessment, and summarized in the following table), and conformance to the DoD Quality Systems Manual. If you have questions concerning your standing in the Navy ER QA Program, please contact Pati Moreno at (805)982-1659.



E. B. HARTZOG, JR.
Director, Laboratory Quality
and Accreditation Office

Copy To: NFESC (P. Moreno, Code 413)

**ANALYTICAL LABORATORY SERVICES, INC - Methods Reviewed
(including parameters and matrices)**

METHOD	PARAMETER	MATRIX
9056/300 Series	Anions: Chloride, Fluoride, Sulfate, Nitrate, Nitrite, and Ortho-phosphate	Water
8151A/8151A	Herbicides by Gas Chromatography	Water/Solid
7470A/7471A	Mercury	Water/Solid
314.0*	Perchlorate by Ion Chromatography	Water/Solid
8260B	Volatile Organic Compounds	Water/Solid
9012/9014	Total and Amenable Cyanides by Midi-Distillation	Water/Solid
8270C/8270SIM	Semivolatile Organic Compounds	Water/Solid
8330	Nitroaromatics & Nitramines by HPLC	Water/Solid
8015B	Gasoline Range Organics/Diesel Range Organics by Gas Chromatography	Water/Solid
8081A	Organochlorine Pesticides	Water/Solid
8082	Polychlorinated Biphenyls (PCBs)	Water/Solid
6020/6010B/ 7000A	TAL Metals: Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, and Zinc	Water/Solid
7196A	Hexavalent Chromium	Water/Solid
TO-13	Semi-volatile Organic Compounds by G/MS	Air
TO-15	Volatile Organic Compounds by GC/MS	Air

* EPA Method 314.0 cannot be used for DoD projects unless required by regulation. For perchlorate analysis, the DoD requires to the use of a mass spectrometry method.