

November 2, 2004

Hazardous, Toxic and Radioactive Waste  
Center of Expertise

Dr. Tenkasi Viswanathan  
Analytical Management Laboratories, Inc.  
15130 South Keeler  
Olathe, KS 66062

Dear Dr. Viswanathan:

This correspondence addresses the recent evaluation of Analytical management Laboratories, Inc. of Olathe, KS for the U.S. Army Corps of Engineers (USACE) for chemical analysis in support of the USACE Hazardous, Toxic and Radioactive Waste Program.

Your laboratory is now validated for the parameters listed below:

METHOD <sup>(1)</sup>	PARAMETERS	MATRIX <sup>(2)</sup>
9056/300.0	Anions <sup>(4)</sup>	Water <sup>(3)</sup>
9056/300.0	Anions <sup>(4)</sup>	Solids
9010B/9014	Cyanide	Water <sup>(3)</sup>
9010B/9014	Cyanide	Solids <sup>(3)</sup>
8330	Explosives	Water
8330	Explosives	Solids <sup>(3)</sup>
8151A	Herbicides	Water <sup>(3)</sup>
8151A	Herbicides	Solids <sup>(3)</sup>
3510C/8081A	Organochlorine Pesticides	Water <sup>(3)</sup>
3541/3550C/8081A	Organochlorine Pesticides	Solids <sup>(3)</sup>
3510C/8082	Polychlorinated Biphenyls	Water <sup>(3)</sup>
3541/3550C/8082	Polychlorinated Biphenyls	Solids <sup>(3)</sup>
3510C/8310	Polynuclear Aromatic Hydrocarbons	Water
3541/3550C/8310	Polynuclear Aromatic Hydrocarbons	Solids <sup>(3)</sup>
3510C/8270C	Semivolatile Organics	Water <sup>(3)</sup>
3541/3550C/8270C	Semivolatile Organics	Solids <sup>(3)</sup>
3005A/3010A/6010B/7470A	TAL Metals <sup>(5)</sup>	Water <sup>(3)</sup>
3050B/6010B/7471A	TAL Metals <sup>(5)</sup>	Solids <sup>(3)</sup>

3005A/3020A/6020A	TAL Metals <sup>(5)</sup>	Water <sup>(3)</sup>
3050B/6020A	TAL Metals <sup>(5)</sup>	Solids <sup>(3)</sup>
3510C/Mod 8015	TPH - DRO	Water <sup>(3)</sup>
3541/3550C/Mod 8015	TPH - DRO	Solids
5030B/5035/Mod 8015	TPH - GRO	Water <sup>(3)</sup>
5030B/5035/Mod 8015	TPH - GRO	Solids
5030B/5035/8260B	Volatile Organics	Water <sup>(3)</sup>
5030B/5035/8260B	Volatile Organics	Solids <sup>(3)</sup>

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- Remarks:
- 1) Sample preparation methods have been added to reflect program policy change.
  - 2) "Solids" includes soils, sediments, and solid waste.
  - 3) The laboratory has successfully analyzed a Proficiency Testing (PT) sample for this method/matrix.
  - 4) Anions: chloride, fluoride, sulfate, nitrate, nitrite, and ortho-phosphate.
  - 5) TAL Metals: aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc.

Enclosed for your information is a copy of the Desk Audit Report. No on-site inspection of this laboratory was performed. Your laboratory has responded to the majority of the deficiencies as noted in the report. Your laboratory still needs to provide proficiency testing results for polynuclear aromatic hydrocarbons (PAHs) in water by Method 8310 and TPH - DRO/TPH - GRO in solid matrices by January 15, 2005.

Based on the acceptable past performance, successful analysis of the National Environmental Laboratory Accreditation Conference Proficiency Testing samples and review of SOPs and laboratory Quality Management documentation, your laboratory will be validated for sample analysis by the methods listed above. The evaluation, which was conducted for your facility, is based substantially on ISO Guide 25 (General Requirements for the Competence of Testing Laboratories) and USACE Engineering Manual (EM) 200-1-3, Appendix I (Shell for Analytical Chemistry Requirements). The period of validation is 24 months and expires on November 2, 2006.

The USACE reserves the right to conduct additional laboratory inspections or to suspend validation status for any or all of the listed parameters if deemed necessary. It should be noted that your laboratory may not subcontract USACE analytical work to any other laboratory location without the approval of this office. This laboratory validation does not guarantee the delivery of any analytical samples from a USACE Contracting Officer Representative.

Any questions or comments can be directed to Chung-Rei Mao at (402) 697-2570. General questions regarding laboratory validation may be directed to the Laboratory Validation Coordinator at (402) 697-2574.

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Sincerely,

Marcia C. Davies, Ph.D.  
Director, USACE Hazardous,  
Toxic and Radioactive Waste  
Center of Expertise

Enclosure