

Lab-O

The Lab-Oratory Newsletter ▪ Spring 2016

EAI Service Updates

Eastern Analytical, Inc. (EAI) recently earned certification in New Hampshire and Maine for **Tannin and Lignin** analysis, as well for several ABN (SVOC) compounds. The following list of compounds are now included within the analyte list we report when EPA Method 8270 (SVOC/ABN) analysis is requested. The additional compounds include:

- **1-Methylnaphthalene**
- **n-Decane**
- **n-Octadecane**
- **Aniline**
- **a-Terpineol**
- **Acetophenone**
- **2,3-Dichloroaniline**

EAI has upgraded the electronic data deliverables package for Maine projects to the required **ME EGAD EDD v.6.0** format.

If you have questions or would like to learn more about any of our services, please email customer service.

Speedy Service

We strive to deliver customers with prompt, reliable and consistent service. To assist us with meeting this goal, we encourage you to **cc: customerservice@easternanalytical.com** when you send email requests and/or questions to a specific EAI employee. Fifteen customer service team members receive all emails sent to this address and are ready to meet your needs! Should the individual you email be out of the office, you will promptly hear from another team member ready to assist you.

Employee Highlights

Jenn Lane has been with EAI for over eleven years and has worn many hats during that timeframe. Jenn's primary role has been in our Sample Receiving Department. For the past couple of years, Jenn has lent a helping hand to our Field Service Department throughout the "busy" months. As of March, Jenn will be making the move to our Field Services Department working full-time as one of our field technicians. Congratulations, Jenn!

We are excited and pleased to announce that **Tom Sideris** has joined the EAI team. Tom has over 20 years' customer service and administrative experience in the environmental laboratory industry. He will be working in our sample receiving department assisting customers with their projects, logging in samples and answering project specific questions. Welcome, Tom!



Data you can trust.
Service you can depend on.

Logistical Intricacies Needed for River Studies

EAI has over 35 years' experience working with cities and towns in New England to monitor various processes, influent, and effluent samples. In some cases, wastewater treatment plants that are at or nearing their GPD discharge percentages are looking to build new or expand existing plant capabilities. This is when river studies are needed. EAI has been involved with this process from the very first studies. Services include collection and testing of wastewater over multiple consecutive days or on the hour, every hour throughout the duration of the study. Studies take much logistical coordination, planning and preparation since many of the test parameters needed (such as micro, BOD, pH, chlorophyll a, etc.) have short hold times.



Pictured from L to R: A single day "event" of BOD samples ready to be wheeled into the lab. Space is a premium in a BOD incubator. Samples fluoresce under a black light indicating the presence of *E.coli*.

It's a team effort to successfully manage the influx of the large sample numbers of time sensitive samples. Once the sample collection efforts are underway, EAI staff from all departments of the company are on deck ready for the large number of samples. The samples are then matched up with the chain-of-custodies, containers are labeled, logged in and wheeled to the lab where the sample prep and analysis gets underway. Success for these studies is not only measured in the quality of the data but by analyzing large amounts of short hold time samples within appropriate hold times!

We'll be gearing up for more river studies this Spring!

Drilling Notes – Digging into Geoprobe®

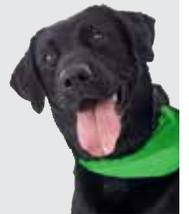
What do Kleenex®, Band-Aids®, Scotch Tape®, Zamboni® and Geoprobe® all have in common? They're all brands. In the same way Kleenex® is a brand of facial tissue and, the Zamboni® is a brand of ice resurfacers (yes there's more than one!), Geoprobe® is a brand of drilling machines and tooling. When people talk about using a Geoprobe® they are often referring to the technology – "direct push." But Geoprobe®, the company, and our rig in particular, is not a "one trick pony".

Geoprobe® Systems in Salina, Kansas has evolved from simple direct push rigs and tooling to large scale drilling machines using direct push, rotary and sonic technologies. EAI currently owns

a Geoprobe® model 7822DT, which is a track mounted direct push and rotary drilling machine. While no drilling unit can go to every site and succeed in every formation, our rig has done some pretty impressive and interesting things. At one site, the client needed a well on the side of a day care facility. That side of the property was a playground complete with a stockade fence. Luckily, there was a 5' gate leading from the parking lot into the playground - after some rig adjustments and careful coordination a well was installed beneath a bed of wood chips. While it's never a dull moment for our drilling team, they relish the challenges each site brings!

EAI Trivia – Did you know?

- Over one third of all EAI employees have been with the company more than twenty years. Three of our technical staff, including our Lab Director, Lorraine Olashaw, has been with the company over 30 years!
- EAI began offering Geoprobe® direct push drilling services in 1995. Over twenty years ago!
- The use of a black lab in our promotional materials was first introduced in 1981!



Brian installing a monitoring well