



McC Campbell News- July, 2007 edition

McC Campbell Analytical is pleased to announce new capabilities at its Pittsburg Laboratory.

I). Gas Phase Analysis from Summa Canisters, Tedlar Bags and Pressurized Cylinders Now Available:

- 1). VOCs: TO-14, TO-15. We have an expanded target list that includes all ESL volatiles as well as the TO-15 mixture.
- 2). TPH(g): TO-3
- 3). Light & Bioactive Gases: N₂, O₂, CO₂, CO, H₂, as well as methane, ethane, ethane, ethylene & other light HCs
- 4). Inert Gases: He, Ne, Ar, Kr, Xe
- 5). Availability of over 50 summa canisters, 30 soil gas sample constant flow manifolds, & 30 time integrated – constant flow indoor air sample kits. More will be added as needed.
- 6). NMOG (Non-Methane Organic Compounds) stationary & stack gas testing will be available in several months.

II). Methyl Mercury Analysis

- 1). Methyl mercury testing will be available by ~ end of September for water, soil, tissue & plant matrices. ~20 ppq sensitivity is expected for water & ppt sensitivity is expected for solids.

III). Additional ICP-MS

- 1). Our second ICP-MS is now up & running to provide additional capacity for metals as well as instrument redundancy. We had been running at ~80% of our capacity so it was time to increase our capabilities to better serve you. MAI apologizes to our clients who were inconvenienced by a two week hiccup during our transition from one to two instruments.

IV). Dioxins Capability on the Horizon

- 1). MAI plans to have GC-HRMS dioxin (EPA 1613 & 8290) capability by December 2007. We have already submitted the certification request & package for GC-LRMS (EPA 8280A) dioxin testing.

Some older new capabilities that you may not be aware of:

1. TTLC Hexachrome (EPA 3060A) testing with EPA 218.6 analysis.
2. Fathead Minnow Fish Toxicity testing for Hazardous Classification (screening & full profile) & Static renewal & non-renewal for effluent.
3. Perchlorate to 0.5 ppb sensitivity.
4. Ability to extract TPH(d/mo) from water matrices in VOAs & achieve state mandated sensitivities.



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5. Ability to extract alcohols (mono-, di-, tri-) from common matrices & generally analyze to 5-10 ppb sensitivity. Also air at ppt sensitivity.
6. Ability to analyze for Phenols by GC-MS SIM mode
7. Ability to speciate & analyze for tetraethyl lead & tetramethyl lead to 5 ppb (soils), 250ppt (water), & XX ppt vapor
8. Ability to analyze for PNAs, Phenols & aldehydes in air & food.
9. Ability to analyze for the mono-tetra butyl tins in a variety of matrices.

If you have any questions or comments please call.

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