



## McC Campbell News, August 2008

Separate calibration curves created for Acrolein, Acrylonitrile & 2-CEVE

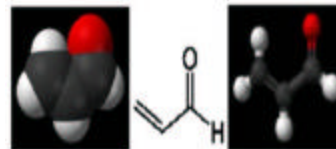
We have revised our EPA 624 hold time (HT) requirements for acrolein, acrylonitrile and 2-CEVE based upon a recent in-house study. The EPA 624 method is unclear as to the required preservation and hold time for acrolein and acrylonitrile. After performing stability studies on acidic water matrix containing over 70 volatile organic compounds, we have concluded that acrolein and 2-CEVE are unstable in standard HCl acidified VOAs and undergo rapid (<4 hours) degradation.

Short term (<24 hours) instability of acrylonitrile or any of the other volatile organic compounds were not observed, except for 2-CEVE, which is why MAI has included 2-CEVE with acrolein and acrylonitrile.

### **How does this effect you?**

Unfortunately, the practical effects of this change are as follows:

- ◆ Unpreserved containers (2 per sample) MUST be collected for acrolein, acrylonitrile & 2-CEVE when these compounds are needed. Again, unfortunately, all 3 are members of the SIP CTR list for effluent. Standard acid preserved VOAs are required for the remaining VOC compounds.
- ◆ MAI must preserve these samples to pH=4.5 or analyze them within 3 days of collection.
- ◆ AAC samples must be analyzed separately from the other 624 / 8260 compounds. MAI has a separate calibration curve, CCV, QC, injection & report for these three compounds. Consequently, there is a separate charge for them.
- ◆ The implication for low level Encore-style soils that are collected in a VOA or ejected from temporary storage syringes into VOAs is that a separate aliquot SHOULD be collected if acrolein, acrylonitrile & 2-CEVE are needed & ejected into unpreserved VOAs. This is not EPA mandated although it is recommended in one of the 'Encore method' documents for acid unstable compounds such as acrolein.



### **Whats New?**

McC Campbell Analytical in conjunction with EnviroTech, has opened a sample drop off & re-supply facility in the Sacramento Area.

For over 16 years, McC Campbell has been dedicated to providing you with superior analytical expertise. We realize that the time, cost and effort that goes into getting your samples to the lab can be a burden. Therefore, we have established the extended business hours at our Rancho Cordova Office (MF 7am to 7pm) for your convenience.

There you will be able to stock up on ice, cooler & containers all while picking up, purchasing or returning your equipment from EnviroTech.

We invite you to become our client and colleague.

### **Drop Off Locations:**

McC Campbell Analytical, Inc.  
1534 Willow Pass Rd.  
Pittsburg, Ca 94565  
(877) 252-9262  
M-F 8am-9pm

EnviroTech (MAI Authorized)  
4851 Sunrise Drive. Ste 101  
Martinez, Ca 94553  
(800)468-8921  
M-F 8am-8pm

MAI/EnviroTech  
11275 Sunrise Gold Cir. St.T  
Rancho Cordova, Ca  
(916) 852-8856  
M-F 7am-7pm



### **Newer Capabilities: Are They Useful To You?**

Gas Phase Analysis from Summa Canisters, Tedlar Bags & Pressurized Cylinders Now Available

- ◆ VOCs: TO-14, TO-15, MAI provides an expanded target list that include all ESLs volatiles as well as the TO-15 mixture.
- ◆ TPHg; TO3
- ◆ Light & Bioactive Gases N<sub>2</sub>, O<sub>2</sub>, CO<sub>2</sub>, Co, H<sub>2</sub> as well as methane, ethane, ethylene & other light hydrocarbons
- ◆ Inert Gases: He, Ne, Ar, Kr, Xe
- ◆ Availability of over 50 6L & 30 1L summa canisters, over 50 soil gas sample manifolds, & ~30 time intergraded- constant flow indoor air sample kits. No rental fees incurred.

### **Kelada – 01 McC Campbell's Default Method for Cyanide Water**

McC Campbell is one of the few labs in northern California that analyzes for cyanide in aqueous samples using the kelada-01 as their default method. mccampbell has an in house capacity of 50 cyanide samples per day and a reporting limit of 1 ppb.



### **New Fish Tox Capabilities**

McC Campbell has recently added new fish toxicity testing. We now have the capability to test Sheephead Minnows, as well as Rainbow Trout. Previously McC Campbell only performed on Fathead Minnows but as the demand and request increased so did our capabilities. Our standard reporting time for these analysis is between 5-7 business days, since the test itself takes 5 days to perform.

For Sample Pick Up Information, Please Call (877) 252-9262  
or Email Us At [main@mccampbell.com](mailto:main@mccampbell.com)  
For Your Convenience McC Campbell Analytical Accept  
Samples Monday– Friday, 8am to 9pm  
Quotes, Questions, or Concerns Please Email Us At  
[info@mccampbell.com](mailto:info@mccampbell.com)

To remove your name from our mailing list, please [click here](#).

Questions or comments? E-mail us at [info@mccampbell.com](mailto:info@mccampbell.com) or call (877) 252-9262