

OTCO Water Laboratory Workshop

May 20, 2009

Microbiological Lab Update

‘Notable Notes’

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Laboratory Evaluation Officer

Ohio EPA/DES/Lab Certification Section

'Ice Point' Calibration

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- Verify NIST (Certified) Thermometers Annually

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- Record results

‘Point of Use’ or ‘FRIO-Temp’ Thermometer Calibration

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- Short incubator and refrigerator thermometers in vials
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- Fluoropolymer resin-coated (Teflon) Hg in glass
- Non-Hg certified solvent in glass

- Calibrate annually with NIST thermometer

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- Record results
- Tag thermometer

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- Some known suppliers:

Non-Hg NIST Certified Thermometers

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- Some known suppliers:
- ICL Calibration Laboratories, Inc.
1-800-713-6647
Cat.#210-616-C Range -1 to 51C Div. 0.1C

- Thermco Products, Inc.
1-973-300-9100
Cat.# ACC10033SFC Range -1 to 51C
Div. 0.1C

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1-973-300-9100
Cat.# ACC10033SFC Range -1 to 51C
Div. 0.1C
- North Central Labs
1-800-648-7836
Call For More Information

MMO-MUG Sample Bottles

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- Recent reports of three bad Lots (Cases)

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- Cracked bottles
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- Non-sterile Lot (Case)
- Keep bottles in case with Lot No. Tag
- Or keep Lot No. Tag with bottles in cabinet or drawer

‘Out of Spec.’ Q.C.

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- List corrective action taken in QC Log Book

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- Asterisk by data and note at bottom of page

Leave of Absence

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- Note all L.O.A. dates by analysts in QC Log Book

Update Q.A. Plan

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- Whenever there is a change in an analysts status

Notify Lab Certification Office

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- Loss of certified analyst

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- Micro 614-644-4067

Notify Lab Certification Office

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- Micro 614-644-4067
- Chemistry 614-644-4068

Micro Q.C. Log Books

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- ‘Bulk’ storage of records

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- Must ‘Index’ (label) each type of QC record with some form of ‘Index Tab’

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- Need 35 degree water bath

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- Pass a PT Study

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- Parallel tests: Min. 10 potable + 5 non-potable samples

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- If between scheduled surveys pay \$1800 fee