

**TNI Chemistry FoPT Subcommittee
Meeting Summary
December 1, 2009**

1. Roll call and Meeting Minutes:

Co-Chair Carl Kircher called the Chemistry FoPT Subcommittee to order on December 1, 2009, at 12pm EST. Attendance is recorded in Attachment A.

The minutes from the November 24, 2009 meeting were distributed and reviewed. Stacie motioned to accept the minutes and Jeff seconded this motion. They were unanimously approved. They will be forwarded to the webmaster for posting on the TNI website.

2. PT Acceptance Limits

Carl sent an e-mail to the subcommittee on 11/30/09:

Dear Subcommittee Members:

Since we reconsidered Naphthalene at our last teleconference and now have it covered as a DW Volatile Organic and a DW PAH, I would like to reconsider EDB, DBCP, and 123-Trichloropropane. The acceptance criteria we recommended appeared to be well-suited for EPA 504.1 (micro-extraction GC/ECD), but we have no corresponding criteria for EPA 524.2 (purge-and-trap GC/MS).

I would like to propose that each analyte also be added under Unregulated VOCs with acceptance criteria of +/- 40% of assigned value and concentration ranges of 2-20 ug/L.

For clarity, I would like to propose that the other listings for EDB, DBCP, and 123-Trichloropropane be listed under a separate category named like "Synthetic Organic Contaminants" or other suitable name. These three analytes are dual-purpose analytes just as Naphthalene is. The concentration ranges for these 3 analytes are different than for the other VOCs anyway.

If we do not do this, we will have some NELAP AB like FL-DOH requiring EDB PT's for 524.2 with concentration ranges and criteria that might be more suitable for 504.1.

Discussion:

It was questioned why an AB would require a lab to run EDB and DBCP by 524.2? Florida has labs accredited for 524.2 for these two analytes and they currently are

required to perform the PT at 504.1 limits and concentrations. Brian has an issue with listing these regulated analytes under a heading that states “unregulated”. He would be OK with “Other VOCs” or “Additional”. 123-Trichloropropane has already been approved with two different limits – one for 504.1 and the other for 524.2.

Brian’s preference is to not address this at this time because there really is no data to look at. There are very few labs that run these compounds for 524.2 and currently they have been able to meet the 504.1 limits. This may be a Florida issue only and Jeff suggested that Florida write a formal request for these analytes to be added for 524.2.

If Florida does need these, it would be better to list the compounds under two headings to clear up misunderstandings. If the subcommittee continues to look at this, then we should address the limits to be more reasonable for the method (524.2). The 524.2 method QC limits are 30%. Perhaps the PT limits should be segmented

This higher concentration PT could be added to the unregulated volatiles when the PT is prepared. This would help distinguish it so that people do not try to run it by 504.1 for regulatory purposes. This would need to be footnoted on the table. If a lab were to run these higher concentration samples by 504.1, they would not be accredited for 504.1. The concentration range is inappropriate ... but where is this supported by the standard?

Eric asked if the packaging of this PT might affect a labs accreditation status for 524.2 if these compounds are missed.

DBCP and EDB

Motion made by Brian: Seconded by: Jeff
Concentration range: 2-20 ug/L Limits: +/-40% below 10 ug/L and +/- 30% at or above 10 ug/L. A footnote will be added to the table to distinguish it from the regulatory concentration range and limits for these analytes.
The motion was approved unanimously.

Herbicides – DW Experimental Analytes

Chloramben

A bias is seen in the data. The failure rate was 27%. Brian noted that they have seen problems with this analyte, but have not been able to find any solutions. In 515.4 there is a note about a resolution issue. Should this compound be considered for removal from the table due to the issues discussed by the subcommittee? The subcommittee originally decided that this should stay on the table, but the limit probably needs to be a regression equation.

A motion was made by Dan for a concentration range of 20-100 ug/L and limits based on the regression equation values noted in Jeff Lowry's table distributed on 11-20-09. The motion was seconded by Chuck. Yes - 6 No - 0 Abstention - 2. The motion carried, though initially it was thought that the motion did not carry due to a miscount in the vote.

After further discussion, Brian motioned that this compound be removed from the accreditation table. It is not currently a regulated analyte and there is not much data to work from. The motion was seconded by Eric. Yes - 6 No - 1 Abstention - 1. The motion carried after re-evaluation of the vote and Dan and Chuck agreed with the change.

We will need to start a new table to track what needs to be removed. This will be the first on the list.

Paraquat

There is not very much data, so it was plotted at n greater than or equal to 5. It has a very tight regression equation. Jeff strongly suggested that we not use a regression equation. He recommended limits of +/- 50%. There appeared to be an extraction efficiency issue. Dan noted that a limit range of 70-110% may be more appropriate looking at the data.

A motion was made by Jeff for a concentration range of 8-100 ug/L and a fixed limit of +/- 50%. The motion was seconded by Chuck. Yes - 7 No - 1 Abstention - 0. The motion carried.

3,5-Dichlorobenzoic acid

The discussion was started, but it will need to be finished at the next meeting, 12-8-09.

Summary

| Analyte | Concentration | Limits |
|--|--|---------------------------|
| Chloramben 3,5-Dichlorobenzoic acid Bentazon Paraquat | Recommend this analyte be dropped from the tables. 8-100 ug/L | +/- 50% fixed |

3. New Items

None.

4. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee will be December 8, 2009, at 12PM EST.

Action Items are included in Attachment B and Attachment C includes a listing of reminders.

The meeting ended at 1:30pm EST (Motion: Chuck Second: Dan Vote: Unanimous).

Attachment A

Participants TNI Chemistry FoPT Subcommittee

| Members | Affiliation | Contact Information |
|---|---------------------------------|--|
| Carl Kircher, Co-Chair Present | Florida DOH | 904-791-1574 carl_kircher@doh.state.fl.us |
| Brian Boling, Co-Chair Present | Oregon DEQ | Boling.Brian@deq.state.or.us |
| Amy Doupe Absent | Lancaster Laboratories, Inc. | 717-656-2300 x1812 aldoupe@lancasterlabs.com |
| Jeff Lowry Present | ERA | 303-431-8454 jlowry@eraqc.com |
| Chuck Wibby Present | Wibby Environmental | 303-940 -0033 cwibby@wibby.com |
| Eric Smith Present | TestAmerica | 615-726-0177 x1238 eric.smith@testamericainc.com |
| Dan Tholen Absent | A2LA | 231-929-1721 Tholen.dan@gmail.com |
| Stephen Arpie Absent | Absolute Standards, Inc. | 203-281-2917 stephenarpie@mac.com |
| Dan Dickinson Present | New York, DOH | 518-485-5570 dmd15@health.state.ny.us |
| Stacey Fry Present | E.S. BABCOCK & Sons, Inc. | 951-653-3351 x238 sfry@babcocklabs.com |
| Jim Present | | mousejr@nu.com |
| Ilona Taunton, Program Administrator Present | TNI | 828-712-9242 tauntoni@msn.com |

Attachment B

Action Items – Chemistry FoPT Subcommittee

| | Action Item | Who | Expected Completion | Actual Completion |
|-----|---|------------|----------------------------|--------------------------|
| 13. | Prepare letter to ABs to find out their needs on analytes that may be under consideration for deletion. <i>(3/24/09 – It was determined that these tables are used by more than just ABs. This needs to be reconsidered.)</i> | TBD | TBD | |
| 22. | Prepare for upcoming meetings by reviewing evaluation files that Jeff will send every 2 weeks. | All | Ongoing | |
| 38 | Low Level Mercury - Brian will see if there is anymore data below 20 ng/L and provide this to the subcommittee if it becomes available. | Brian | On-going | |
| 39 | Low Level Total Residual Chlorine - Brian will check with some of the other PT Providers to see if they have any more data. | Brian | 11/17/09 | |
| 40 | Start table for compounds that need to be removed. | Jeff | 12/8/09 | |

Attachment C

Backburner / Reminders – Chemistry FoPT Subcommittee

| | Item | Meeting Reference | Comments |
|---|---|--------------------------|--|
| 1 | Review summary data to see if it supports a change in the acceptance criteria for DW analytes (For example, VOA, 30% instead of 20%). If data is supportive, Jeff Lowry will approach ELAB. | 10-30-08 | 3/10/09 - Jeff has approached ELAB. They would be happy to put it in a work group – and pass it along with a letter to EPA. We need to provide them with the data. |
| 3 | Consider changing the lower limit for Vanadium on WP to 50 ug/L. | 6-30-09 | |
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