

**TNI Chemistry FoPT Subcommittee
Meeting Summary
October 6, 2015**

1. Roll call and Meeting Minutes:

Chair Carl Kircher called the meeting of the Chemistry FoPT Subcommittee to order on October 6, 2015 at 12:07 ET. Attendance is recorded in Attachment A. There were 7 members on the call.

A motion was made by Joe P. to approve the minutes for 9/15/15 as written. The motion was seconded by Stacey and unanimously approved.

2. SCM FoPTs

Diesel Range Organics and Oil and Grease are still left for review. Carl does not have access to his computer, so he will be asking for information as the information is reviewed.

Diesel Range Organics

The PDF file was sent 3-6-15.

The study concentration was 89.8 - 3300 mg/Kg. The PDF is dated 3-6-15. The current concentration limits are 300 – 3000 mg/Kg. It did pass criteria for fixed limits at 62.9%. It passed the $Stdev R^2 Eval > 0.75$.

Carl asked that someone look at the current FoPT table to review the criteria. The new regression equation widens the limits.

Andy noted that his lab statistical limits are 65-114% with an average recovery of 90%. It is a Diesel spike in sand. Stacey's lab statistical limits are 42-110% and the average recovery is 70%.

A motion was made by Joe M. to keep the concentration limit at 300-3000 mg/Kg for Diesel Range Organics on the SCM FoPT accreditation table and using the study mean and the new cd coefficients as presented on the PDF files presented by Carl dated 3-6-15. The motion was seconded by Stephen.

Discussion: The c coefficient increased from 0.17 to 0.20 d – 26 to 7.5.

The motion was unanimously approved.

n-Hexane Extractable Material (O&G)

The PDF is dated 4-7-15. The study concentration was 316-2140 mg/Kg. The current concentration limits are 300 – 3000 mg/Kg. It did pass criteria for fixed limits at 74.1%. It passed the Stdev R^2 Eval > 0.75 .

The Correlation Coefficient is 0.8127 and passed.

This data is from the database for labs in Florida. They had a lot of data. There wasn't any data provided by PT Providers back when it was originally requested.

Recoveries in the data range from 70 – 110%. There is one at 136%. The current is $c - 0.156$ $d - 88$. The new c coefficient is 0.247 and the d coefficient is 12.6. The present regression equation explodes around 750. The new graph looks better. Less concentration dependent. There is no data below 550 mg/Kg.

Dan confirmed that the data set only includes data from PT Providers that send PTs to Florida. Joe asked about the number of labs included. Andy did not see any "n" data, so Carl cannot answer this question.

Dan is concerned about the "c" coefficient compared to what it does in the current at about 1000 mg/Kg. He is concerned the limits are being significantly widened for a PT that already has a very low fail rate. It doesn't make sense to generate new limits that are wider. He is not confident with the data set. He is not in favor of changing anything for this analyte. He needs a clearer understanding.

Joe M. asked if this would include the extraction exchange. This is a biased data set.

Carl wasn't sure how to request new data. Ilona noted that nothing has changed – use same procedure as used in the past.

Dan has 16 studies from NY. None are included in Carl's data set.

Dan would like to retain the current range and current concentration for the n-hexane extractable material. The motion was seconded by Andy.

Discussion:

Andy noted that his lab statistical limits for 9071 in soil are 77-122% with an average recovery of 99.8%. Stacey's lab uses set limits of 70-130% and the average recovery is 101%.

Vote: The motion passed unanimously.

Action Item #119 needs to still be addressed. The vote was conditional on this action item. Ilona will send more information about this action item out to the PT Providers so they can respond by email.

3. Action Items

See action item table in attachments.

4. New Business

- None.

5. Next Meeting

The next meeting of the Chemistry FoPT Subcommittee has been scheduled for October 20, 2015.

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

The call was ended at 12:50 pm EST. (Motion: Andy Second: Stacey Unanimously approved.)

Attachment A

Participants TNI Chemistry FoPT Subcommittee

Members	Affiliation	Contact Information
Carl Kircher, Chair Present	Florida DOH	carl_kircher@doh.state.fl.us
Joe Morotti Present	Sigma-Aldrich RTC	Joe.morotti@sial.com
Melanie Ollila Absent	Pace Analytical Services, Inc.	MOllila@pacelabs.com
Jeff Lowry Absent	Phenova	JeffL@phenova.com
Stephen Arpie Present – Added 12:12	Absolute Standards, Inc.	stephenarpie@mac.com
Dan Dickinson Present	New York, DOH	daniel.dickinson@health.ny.gov
Stacey Fry Present	E.S. BABCOCK & Sons, Inc.	sfry@babcocklabs.com
Joe Pardue Present	Pro2Serve, Inc.	423-337-3121 joe_pardue@charter.net
Dr. Andy Valkenburg Present	Energy Laboratories, Inc.	avalkenburg@energylab.com 406-869-6254
Ilona Taunton, Program Administrator Present	TNI	Ilona.taunton@nelac-institute.org 828-712-9242

Attachment B

Action Items – Chemistry FoPT Subcommittee

	Action Item	Who	Expected Completion	Actual Completion
119	Use new PCB in Oil regression equation on historical data to confirm there is no substantial increase in failure rates.	Joe, Dan, Stephen, Jeff	2-26-15	Ilona will forward minutes to remind PT Providers.
120	Look at Jeff's comments on the 5-19-15 meeting in the next few weeks: For several of the analytes the committee set acceptance limits at +/-25% of the mean of the study. PT Providers have to verify the spiked matrix to half of that – 12.5%. This gets tougher in soil matrices. Does this make sense?	All	TBD	

Attachment C

Backburner / Reminders – Chemistry FoPT Subcommittee

	Item	Meeting Reference	Comments
4	Consider nomenclature differences between the analyte codes and the FoPT tables.	2-23-10 6-2-15	