TO-15 Known Areas Needing Consideration/Revision

Typos/syntax/grammar issues to be addressed so comments on these are not needed

Text mostly mentions 6 L canisters, add in smaller volume canisters as well

1.1 Table of TO-15 target compounds to be clearly presented

1.2 Concentration range updates – lower threshold for ambient air is currently listed as 0.5 ppbv

1.3, 2.3 Storage stability time frame to consider (currently 30 days)

2.5 SIM/Scan methodology, TOF methodology to be added

4.1, 4.2 Updates to ASTM documents and EPA Documents

Section 6 - In addition to canister cleanliness verification, canisters should be challenged periodically with calibration standard to ensure quantitative recover of analytes

7.2.1.7, Section 10 and Appendix A - Level of detail describing some analytical systems not needed; replace with current known vendor list of VOC preconcentration systems and autosamplers

7.3 Add known commercially available standards preparation systems

8.1.3, Appendix C Silco ceramic coatings now accepted technology; add known commercially available canisters

8.2.3.6 Include that samplers should be challenged with a calibration standard to verify quantitative recovery as detailed in 8.4.4

8.4 Add known commercially available canister cleaning systems

8.4 Heating of canisters and to what temp, other considerations for canister cleaning – N2 vs. air, humidity, quality of water used for humidification devices

8.4 Consideration of 0.2 ppbv for lower threshold of cleanliness - should be driven by the application

9.2 Commercially available calibration standards appendix to be added

9.2.2.2, 10.5, 10.6.1, 10.6.3 Calibration curve levels to adjust to lower concentrations

9.2.3, 9.2.4 Commercially available instrument list for calibration standard preparation

10.4 BFB tune considerations – not applicable to some instruments

10.5.3 Linear calibration curve – include best fit options including quadratic, etc., and option to have curve split into two curves to cover the dynamic range

10.8.3.7 Talks about MS scan range but no mention of SIM here – address wording

11.2 MDL issues (also addressed in TO15 supplement) – procedure for determination; lower limit suggestions

Section 12 – update references as appropriate

Table 1, Table 2, (compound lists and information), etc. Update

Table 6 Update with recent NATTS data

Input requested:

8.2 Sampler section – what does user community recommend for inclusion here; this will in turn impact contents of section 8.3

Section 9, Appendix D Cal std methodologies – should we keep water prep (9.2.6) and perm tube prep (9.2.7) and high pressure cylinder (9.2.5) discussions or not?

Topics not covered in slides that community feels needs to be addressed

Workgroup to weigh in on:

Diagrams and figures at end useful or should those be deleted? These are schematics of samplers and quadrupole and ion trap and magnelatch valves, etc. Lots of this information was new when TO15 was originally written in early 90's so that is the reason for inclusion originally.