

Short-Lived Halocarbon Intercalibration Meeting

1. Overall Objective

- a) Seek to establish a coordinated, international calibration program and measurement guidelines for short-lived halocarbons.

2. Goals of the workshop

- a) Identify the scientific needs for intercalibration of short-lived halocarbons among investigators
- b) Examine current measurement issues and calibration uncertainties
- c) Set framework for a successful intercalibration and intercomparison effort among investigators in this field
 - i) What can be done now
 - ii) What can (or needs to be) be done in the longer term
 - iii) Who does what?
 - iv) How to maintain a permanence of quality control (i.e. – what organization should this be under?)

Workshop Agenda

9AM START

A. (0.25 h) Welcome, etc. (Bell)

B. (0.5 h) Overview (Butler)

C. Guided Discussions (leaders to open with a short presentation and to invite comments, questions, and additional contributions)

1. (0.5 h) Scientific need (presentations and limited discussion) (von Glasow)

- a) Stratospheric questions
- b) Tropospheric questions
- c) Uncertainty for possible future questions and needs

2. (1.0 h) Measurement Uncertainty (presentations and limited discussion) (Carpenter)

- a) Current measurement uncertainties
 - i) Precision
 - ii) Perceived accuracy
- b) Intercomparability issues

11AM COFFEE

3. (1.5 h) Existing standardization techniques (presentation and limited discussion) (Hall)

- a) Cylinder approaches and limitations
- b) Permeation tube approach
- c) Liquid Standards

1PM LUNCH

4. (1.0 h) Current intercomparison issues (presentations and limited discussion) (Quack)

- a) Past comparisons – high points, low points, successes, failures
- b) Other Practical considerations

5. (2.0 h) Path forward (mostly discussion) (Butler)

- a) Immediate
 - i) How to go about conducting intercomparisons right now?
 - ii) How to link measurements among cruises?

4PM COFFEE

- b) Longer term
 - i) Intercalibration program
 - ii) Measurement guidelines (QA/QC, shared samples, techniques, etc.)
- c) “Who’s our daddy?” – agencies, funding
- d) Action Items

6PM END