

Quality Control Information Associated with Common Environmental Methods

In order to complete a data validation evaluation, a minimum amount of quality control information must be present for the common analytical procedures (SW-846: 8260, 8270 and 6010). The necessary information, in addition to sample receipt data and technical holding times data, are listed below. Model laboratory benchsheets for the TCLP and Flashpoint tests are also listed. The information required in these benchsheets can serve as the minimum required data for a Tier I data validation. Other information generated by these methods may also be required. The reviewer is referred to Chapters 11 and 12 of the Tier I Data Validation Manual.

1. Organic Compounds Analysis (Methods 8260, 8270)

A. Batch Quality Control Samples

- Initial Calibration*

- Continuing Calibration*

- Tuning Criteria*

- Blanks

- Matrix Spike/Matrix Spike Duplicate Information

- Laboratory Control Samples (not part of the Tier I process)

B. Sample Specific Quality Control

- Surrogates

- Internal Standards*

2. Inorganic Element Analysis (Methods 6010 (most metals) and 7471 (Hg))

A. Batch Quality Control Samples

- Initial Calibration*

- Interference check standards*

- Continuing Calibration*

- Blanks

- Matrix Spike/Matrix Spike Duplicate Information

- Laboratory Control Samples

B. Sample Specific Quality Control

- Pre-digestion spikes

- Post-digestion spikes (if required)*

- ICP serial Dilution*

- Method of Standard Additions*

* Tier II data validation

Flashpoint Analysis Information.

Flashpoint/ Ignitability Bench sheet					
Date:		Analyst:		Barometric Pressure:	
Sample Number	Initial Time	Initial Temp. °F	Final Time	Final Temp. °F	Comments
REF					TV=81°F 90%
Blank					
REF					TV=81°F 96%