



# DATA VALIDATION CHECKLIST FOR VOLATILE/SEMIVOLATILE DATA VALIDATION

PAGE 1 OF 12

Sample Delivery Group #: \_\_\_\_\_ Matrix: \_\_\_\_\_  
Laboratory: \_\_\_\_\_ Project ID: \_\_\_\_\_

	Field Sample ID	Lab Sample ID
1		
2		
3		
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20		

This checklist is to be used for validation of Volatile Organic Analysis (VOA)/ Semivolatile Organic Analysis (SVOA) data packages. This checklist should be used only if the VOA/SVOA Verification Report has been completed.

Instructions: If criteria are not met in this checklist, follow qualification provided in the "Q" column accompanied with the corresponding reason code in the "C" column. If necessary, additional codes may be placed. Sections titled "Raw Data Confirmation" need only be performed if necessary, as determined through the DQO process.

Validated by: \_\_\_\_\_ Date: \_\_\_\_\_







**APPENDIX C - DATA VALIDATION CHECKLIST FOR VOLATILE/SEMIVOLATILE DATA  
VALIDATION  
PAGE 5 OF 12**

**4.0 Initial Calibration**

Validation Step	Y	N	Q	
			Detects	Nondetects
1. Initial calibration has been performed within 12 hours of the GC/MS performance check and prior to sample analysis.			*	*
2. Are all compounds' RF > 0.05?			J	R
3. Are all compounds' RSD among calibration points <30%?			J	**
4. Compounds with RF<0.05 and %RSD >30% are qualified as follows.			J	R
5. Elimination of either high or low point restores %RSD<30%.			J***	NA
6. Samples with differing matrices have matching initial calibration matrix.			**	**
7. Samples quantitated against initial calibration or CCV.			**	**
<b>Raw Data Confirmation</b>				
8. Raw data have been examined for anomalies.			**	**
9. The quantitation ions of 2 compounds have been confirmed as the correct ions for quantitation.			**	**
<b>Action: Indicate affected samples only if data are rejected.</b>				
Sample	Reason for Rejection			

\* Qualify only if the deviation indicates an adverse effect on data quality. \*\* Qualify as appropriate \*\*\* Qualify only peaks outside linear portion













