

# **ALLIANCE** 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

## **GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY**

ORDER ID: Q2645

MATRIX: /Water

METHOD: 8270E/3510

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4. GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5. GC/MS Calibration Requirements.		✓	
The %RSD is greater than 20% for certain compounds in the Initial Calibration (Method 8270-BF071725.M) for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol these Compound is passing on Linear Regression.			
The Continuous Calibration met the requirements.			
6. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7. Surrogate Recoveries Meet Criteria		✓	

If not met, list those compounds and their recoveries which fall outside the acceptable  
ranges.

The Surrogate recoveries were met for all analysis except for RW5B-CARBON-  
20250716 [2,4,6-Tribromophenol - 3%, 2-Fluorobiphenyl - 7%, 2-Fluorophenol - 2%,  
Nitrobenzene-d5 - 9%, Phenol-d6 - 3% and Terphenyl-d14 - 4%]. The similar failure in  
the Pest / PCB sample was also observed. The surrogates in the re-extracted Pest/PCB  
sample failed again, confirming the matrix interference. Therefore, the sample RW5B-  
CARBON-20250716 was not re-extracted and also not re-analyzed, as the reanalysis  
would result in the same recoveries of the surrogates. Therefor no further corrective  
action was taken.

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**(CONTINUED)**

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The MS {Q2649-09MS} with File ID: BF143219.D recoveries met the requirements for all compounds except for 4-Chloroaniline[13%]. Recovery failed due to matrix interference. Therefor no further corrective action was taken.			
	The MSD {Q2649-09MSD} with File ID: BF143220.D recoveries met the requirements for all compounds except for 4-Chloroaniline[16%]. Recovery failed due to matrix interference. Therefor no further corrective action was taken.			
	The Blank Spike met requirements for all compounds.			
	The RPD for {Q2649-09MSD} with File ID: BF143220.D met criteria except for 4-Chloroaniline[21%]. RPD failed due to result difference between MS and MSD, therefor no further corrective action was taken.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

**ADDITIONAL COMMENTS:**

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

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**(CONTINUED)**

NA NO YES

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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QA REVIEW

\_\_\_\_\_  
Date