

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

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

**GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY**

ORDER ID: Q2075

MATRIX: /Water

METHOD: 8260D

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications BFB 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 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 Initial Calibration met the requirements. 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.			✓
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 {Q2075-04MS} with File ID: VY022350.D recoveries met the requirements for all compounds except for m/p-Xylenes[148%], o-Xylene[162%] and 1,2,4- Trimethylbenzene[235%] due to matrix interference.  The MSD {Q2075-05MSD} with File ID: VY022351.D recoveries met the acceptable requirements except for Ethyl Benzene[136%], Toluene[138%] m/p-Xylenes[161%] and o-Xylene [180%] due to matrix interference.  The RPD for {Q2075-05MSD} with File ID: VY022351.D met criteria except for 1,2,4-Trimethylbenzene[36%], Benzene[30%], p-Isopropyltoluene[21%], tert- Butylbenzene[26%] and Toluene[29%] due to difference in results of MS and MSD.		✓	
9. Internal Standard Area/Retention Time Shift Meet Criteria  Comments:			✓

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**GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)**

NA NO YES

10. Analysis Holding Time Met

✓

If not met, list number of days exceeded for each sample:

**ADDITIONAL COMMENTS:**

Sample SS-MW1-11.5 was diluted due to high concentration.

Trip Blank was not provided with this set of samples.

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

The Sample #SS-MW1-11.5ME have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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