

# **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**

CHEMTECH PROJECT NUMBER: Q1215

MATRIX: Solid

METHOD: 8270E/3541

	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 Initial Calibration met the requirements .

The Continuous Calibration File ID BF141531.D met the requirements except for Di-n-octyl phthalate but no positive hits in associated sample therefore no corrective action taken.

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

The MS {Q1215-03MS} with File ID: BF141573.D recoveries met the requirements for all compounds except for Atrazine[132%], Benzaldehyde[116%] due to matrix interference.

The MSD {Q1215-03MSD} with File ID: BF141574.D recoveries met the acceptable requirements except for Benzaldehyde[116%] due to matrix interference.

The Blank Spike for {PB166360BS} with File ID: BF141405.D met requirements for all samples except for 3,3-Dichlorobenzidine[41%], Hexachlorocyclopentadiene[191%] but no positive hits in associated samples therefore no corrective action taken.

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**(CONTINUED)**

		NA	NO	YES
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:

Sample JPP-29.2-012825 was diluted due to high concentration.

For samples # JPP-29.2-012825 and JPP-29.2-012825DL some compounds below Method detection limits, therefore it is not reported as Hit in Form-1.

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

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

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