

# **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: P4495

MATRIX: Solid

METHOD: 8270-Modified/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 BN035082.D met the requirements except for 2,4,6-Tribromophenol, marginally low therefore no corrective action was 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.  The Surrogate recoveries met the acceptable criteria except for PT-BNA-SOIL [2,4,6- Tribromophenol - 26770%, 2-Fluorobiphenyl - 13941%, 2-Fluorophenol - 18430%, 2- Methylnaphthalene-d10 - 0%, Fluoranthene-d10 - 0%, Nitrobenzene-d5 - 16501%, Phenol-d6 - 20307%, Terphenyl-d14 - 17369%], PT-BNA-SOILDL [2,4,6- Tribromophenol - 17075%, 2-Fluorobiphenyl - 12375%, 2-Fluorophenol - 16325%, 2- Methylnaphthalene-d10 - 0%, Fluoranthene-d10 - 13%, Nitrobenzene-d5 - 13225%, Phenol-d6 - 17588% and Terphenyl-d14 - 17338%], This sample was extracted for full scan analysis and above mention surrogates were not part of full scan extraction therefore no corrective action is required.			

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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 Blank Spike for {PB164402BS} with File ID: BN035094.D met requirements for all samples except for Pentachlorophenol[40%], The failure Compound not associated with the client parameters list, therefore no 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:**

Sample PT-BNA-SOIL was diluted due to high concentration.

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

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 <15% 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 > 15% for the Initial Calibration curve for SW-846 analysis.

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QA REVIEW

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Date