

**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: Q2592

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 % RSD is greater than 20% in the Initial Calibration (8270-BF071525.M) for 2-Nitrophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 2,4-Dinitrotoluene, Butylbenzylphthalate, Bis(2-ethylhexyl)phthalate, and Di-n-octyl phthalate these compounds are passing on Linear Regression and 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, these Compounds are passing on Quadratic regression.

The % RSD is greater than 20% in the Initial Calibration (8270-BP070325.M) for 2-Nitrophenol, 2-Nitroaniline, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol, Butylbenzylphthalate, Di-n-octyl phthalate these compounds are passing on Linear Regression.

The Continuous Calibration File ID BP025155.D met the requirements except for 2,4-Dinitrophenol, 2-Nitrophenol, 3,3-Dichlorobenzidine, 4,6-Dinitro-2-methylphenol, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Hexachlorocyclopentadiene and 2,4,6-Tribromophenol are biased high therefore no corrective action was taken.

The Continuous Calibration File ID BP025187.D met the requirements except for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol, are biased high, and no positive hit in associated samples, 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.

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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 {PB168854BS} with File ID: BF143119.D met requirements for all samples except for 4-Nitroaniline[106%], is failing high but no positive hit in associate samples therefore no corrective action 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 WC-SOIL-20250711 analyzed with direct 5X dilution due to dirty, viscous and concentrated matrix.

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