

# **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: Q1984

MATRIX: Solid

METHOD: 8270E/3541

		N A	N O	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 met the requirements.			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:			✓

**GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY****(CONTINUED)**

	NA	NO	YES
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 The Surrogate recoveries met the acceptable criteria except for, OU4-TS-24-050725 [Terphenyl-d14 - 46%], OU4-TS-25-050725 [Terphenyl-d14 - 43%], OU4-TS-26-050725 [Terphenyl-d14 - 40%], OU4-TS-28-050725 [Terphenyl-d14 - 44%], TP-13MS [Terphenyl-d14 - 49%], TP-13MSD [Terphenyl-d14 - 50%], TP-13MS [Terphenyl-d14 - 49%], TP-13MSD [Terphenyl-d14 - 50%], As per SOW one Base surrogate is allowed to fail, Therefore no further corrective action was taken.			
and			
OU4-TS-27-050725 [2-Fluorobiphenyl - 41%, Terphenyl-d14 - 35%], OU4-TS-27-050725RX [2-Fluorobiphenyl - 42%, Terphenyl-d14 - 40%], Sample was re extracted to confirm surrogate failure, Both the analysis were reported for the hardcopy.			
and			
L2-WC-5MS [2-Fluorobiphenyl - 37%, Nitrobenzene-d5 - 35%, Terphenyl-d14 - 38%], L2-WC-5MSD [2-Fluorobiphenyl - 37%, Nitrobenzene-d5 - 34%, Terphenyl-d14 - 40%].Base surrogates are biased low in the proving matrix interference. Hence no corrective action is required.			
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 met requirements for all samples.			
9. Internal Standard Area/Retention Time Shift Meet Criteria		✓	
Comments:			

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**(CONTINUED)**

		NA	NO	YES
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:**

As per special requirement for this project form-1 are reported in mg/kg.

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.

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