

# **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: Q2638

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 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 were met for all analysis except for, RT2286MS [Terphenyl-d14 - 44%], RT2286MSD [Terphenyl-d14 - 43%], OU4-TS-31-071725 [Terphenyl-d14 - 33%], OU4-TS-32-071725 [Terphenyl-d14 - 33%], OU4-TS-33-071725 [Terphenyl-d14 - 35%] and OU4-TS-35-071725 [Terphenyl-d14 - 37%]. As per SOP one base surrogate allowed to fail, therefor no further corrective action was taken.			
And,			
OU4-TS-34-071725 [2-Fluorobiphenyl - 43%, Terphenyl-d14 - 31%], OU4-TS-34-071725RE [2-Fluorobiphenyl - 43%, Terphenyl-d14 - 39%], OU4-TS-36-071725 [2-Fluorobiphenyl - 40%, Terphenyl-d14 - 42%], OU4-TS-36-071725RE [2-Fluorobiphenyl - 40%, Terphenyl-d14 - 40%], OU4-TS-37-071725 [2-Fluorobiphenyl - 39%, Terphenyl-d14 - 40%] and OU4-TS-37-071725RE [2-Fluorobiphenyl - 38%, Terphenyl-d14 - 40%]. Samples were re analyzed to confirm surrogate failure , Both the analysis reported for the Hardcopy.			
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 {Q2635-01MS} with File ID: BF143180.D recoveries met the requirements for all compounds except for Benzo(b)fluoranthene[133%]. Recovery failed due to matrix interference, therefor no further corrective action was taken.			
The MSD {Q2635-01MSD} with File ID: BF143181.D recoveries met the requirements for all compounds except for Benzo(b)fluoranthene[133%], Fluoranthene[133%]. Recovery failed due to matrix interference, therefor no further corrective action was taken.			
The Blank Spike met requirements for all compounds.			
9. Internal Standard Area/Retention Time Shift Meet Criteria		✓	
Comments: The Internal Standards Areas were met for all analysis.			
10. Extraction Holding Time Met			✓
If not met, list number of days exceeded for each sample:			

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**(CONTINUED)**

NA NO YES

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