

# **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: P5261

MATRIX: Water

METHOD: 8270-Modified/3510

		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 BN035731.D met the requirements except for 2!4!6-Tribromophenol, The failure compound not associated with the client parameters list, therefore no corrective action was taken.  The Continuous Calibration File ID BN035747.D met the requirements except for 2,4,6-Tribromophenol,2-Fluorobiphenyl,2-Fluorophenol,Nitrobenzene-d5,Phenol-d6 and Terphenyl-d14 , The failure compound not associated with the client parameters list, therefore no corrective action was taken.  The Continuous Calibration File ID BN035749.D met the requirements except for Nitrobenzene-d5, The failure compound not associated with the client parameters list, therefore no corrective action was taken.  The Continuous Calibration File ID BN035845.D met the requirements except for Nitrobenzene-d5, The failure compound not associated with the client parameters list, therefore no corrective action was taken.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:			✓

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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

RE122D1-20241209 [Terphenyl-d14 - 163%],  
RE122D2-20241209 [Terphenyl-d14 - 196%],  
RE122D3-20241209 [Terphenyl-d14 - 152%],  
RE103D1-20241209 [Terphenyl-d14 - 146%],  
RE103D1-20241209DL [Terphenyl-d14 - 163%],  
RE103D2-20241209 [Terphenyl-d14 - 146%],  
RE134D1-20241209 [Terphenyl-d14 - 140%],  
DUP-01-20241209 [Terphenyl-d14 - 186%],  
RE134D3-20241210 [Terphenyl-d14 - 136%],  
RE134D3-20241210DL [Terphenyl-d14 - 148%],  
RE134D4-20241210 [Terphenyl-d14 - 139%],  
GM3-RW3-MW1-20241210 [Terphenyl-d14 - 159%],  
RE125D1-20241210 [Terphenyl-d14 - 142%],  
RE125D1-20241210MS [Terphenyl-d14 - 146%],  
RE125D1-20241210MSD [Terphenyl-d14 - 147%],  
RE125D2-20241210 [Terphenyl-d14 - 148%],  
RE125D2-20241210DL [Terphenyl-d14 - 155%],  
RE125D3-20241210 [Terphenyl-d14 - 139%],  
RE120D1-20241210 [Terphenyl-d14 - 134%],  
RE120D3-20241210DL [2-Fluorobiphenyl - 113%, Nitrobenzene-d5 - 142%,  
Terphenyl-d14 - 175%],  
DUP-02-20241210 [Terphenyl-d14 - 145%],  
PB165596BS [Nitrobenzene-d5 - 115%], The failure surrogates not associated with the  
client parameters list, therefore no corrective action was taken.

## 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 MSD {P5261-14MSD} with File ID: BN035738.D recoveries met the acceptable requirements except for 1,4-Dioxane[50%], marginally low no corrective action is needed.

The Blank Spike met requirements for all samples .

The RPD for {P5261-14MSD} with File ID: BN035738.D met criteria except for 1,4-Dioxane[40%], due to difference in results of MS and MSD .

## 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:

The sample # RE125D1-20241210MS and RE125D1-20241210MSD is failing for 1,4-Dioxane, and the original sample(RE125D1-20241210) is reported with M flag for this compounds

Samples RE103D1-20241209, RE134D3-20241210, RE125D2-20241210 and RE120D3-20241210 were diluted due to high concentrations.

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.

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

\_\_\_\_\_  
Date