

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: Q1531

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 met the
requirements .

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
PB167057BS [2-Fluorobiphenyl - 113%],
RE126D2-20250306 [Terphenyl-d14 - 135%],
DUP01-20250306 [Terphenyl-d14 - 149%],
RE103D1-20250306 [Terphenyl-d14 - 257%],
RE103D1-20250306DL [Terphenyl-d14 - 228%],
RE103D2-20250306 [Terphenyl-d14 - 206%],
RE108D2-20250306 [Terphenyl-d14 - 160%],
RE105D1-20250306 [Terphenyl-d14 - 155%],
RE105D2-20250306 [Terphenyl-d14 - 197%],
RE105D2-20250306DL [Terphenyl-d14 - 206%] and
RE104D2-20250307 [Terphenyl-d14 - 136%]. Failed surrogates are not associated with
DOD, Therefore no corrective action was required.

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY**(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 MS {Q1531-08MS} with File ID: BN036579.D recoveries met the requirements for all compounds except for 1,4-Dioxane[171%] Recovery failed due to matrix interference, Therefore no corrective action was taken.			
The MSD recoveries met the acceptable requirements.			
The Blank Spike met requirements for all samples .			
The RPD for {Q1531-09MSD} with File ID: BN036580.D met criteria except for 1,4-Dioxane[54%] due to difference in results of MS and MSD.			
The sample # RE103D1-20250306MS and RE103D1-20250306MSD is failing for 1,4-Dioxane and the original sample(RE103D1-20250306) is reported with M flag for this compound.			
9. Internal Standard Area/Retention Time Shift Meet Criteria			✓
Comments: The Internal Standards Areas met the acceptable requirements except for PB167057BS. Failed Internal Standards are not associated with client parameter list , Therefore no further corrective action was taken.			
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:

Samples RE103D1-20250306, RE105D2-20250306, RE125D1-20250307 and RE125D2-20250307 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 <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.

QA REVIEW

Date