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: Q1559   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 .

		NA	NO	YES
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 BPOW6-9-20250312MS [Terphenyl-d14 - 163%], BPOW6-9-20250312MSD [Terphenyl-d14 - 172%], RE115D1-20250310 [Terphenyl-d14 - 151%], RE115D1-20250310DL [2-Fluorobiphenyl - 126%, Terphenyl-d14 - 180%], RE115D2-20250310 [2-Fluorobiphenyl - 108%, Terphenyl-d14 - 140%], RE134D1-20250310 [2-Fluorobiphenyl - 114%], RE134D3-20250310 [2-Fluorobiphenyl - 111%, Terphenyl-d14 - 134%], RE134D4-20250310 [2-Fluorobiphenyl - 109%, Terphenyl-d14 - 138%] and RE120D3-20250312DL [Terphenyl-d14 - 139%],failure surrogates are not associated with the client list, as per criteria affected surrogates were passing, therefore no corrective action was taken also RE115D2-20250310DL [2-Fluorobiphenyl - 154%, 2-Methylnaphthalene-d10 - 159%, Fluoranthene-d10 - 200%, Nitrobenzene-d5 - 144%, Terphenyl-d14 - 210%], RE134D3-20250310DL [2-Fluorobiphenyl - 160%, Fluoranthene-d10 - 184%, Nitrobenzene-d5 - 135%, Terphenyl-d14 - 211%], but these samples were required dilution as well due to high concentration, therefore original and Dilution analysis were reported and no further corrective action taken.

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

		NA	NO	YES

8.   Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria   ✓ (YES)

If not met, list those compounds and their recoveries which fall outside the acceptable range.

The MS {Q1557-04MS} with File ID: BN036611.D recoveries met the requirements for all compounds except for 1,4-Dioxane[55%] due to matrix interference.
The MSD {Q1557-05MSD} with File ID: BN036612.D recoveries met the acceptable requirements except for 1,4-Dioxane[58%] due to matrix interference.

The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .

9.   Internal Standard Area/Retention Time Shift Meet Criteria   ✓ (YES)

Comments:

10.   Extraction Holding Time Met   ✓ (YES)

If not met, list number of days exceeded for each sample:

11.   Analysis Holding Time Met   ✓ (YES)

If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:

Samples RE115D1-20250310, RE115D2-20250310, RE134D3-20250310, DUP03-20250310 and RE120D3-20250312 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.

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QA REVIEW   Date