

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: P5281

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.			✓

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(CONTINUED)

NA NO YES

The Initial Calibration met the requirements.

The Continuous Calibration File ID BN035731.D met the requirements except for 2,4,6-Tribromophenol, Failed compound is not associated with DOD , Therefore no further corrective action was required.

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, Failed compound are not associated with DOD , Therefore no further corrective action was required.

The Continuous Calibration File ID BN035776.D met the requirements except for 2,4,6-Tribromophenol , Failed compound is not associated with DOD , Therefore no further corrective action was required.

The Continuous Calibration File ID BN035794.D met the requirements except for 2,4,6-Tribromophenol , Failed compound is not associated with DOD , Therefore no further corrective action was required.

The Continuous Calibration File ID BN035811.D met the requirements except for 2,4,6-Tribromophenol Failed compound is not associated with DOD , Therefore no further corrective action was required.

The Continuous Calibration File ID BN035845.D met the requirements except for Nitrobenzene-d5 Failed compound is not associated with DOD , Therefore no further corrective action was required.

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, BPOW1-7-20241212 [Terphenyl-d14 - 167%], BPOW1-8-20241212 [Nitrobenzene-d5 - 112%, Terphenyl-d14 - 160%], TT101D2-20241212 [Terphenyl-d14 - 138%], TT101D2-20241212DL [Terphenyl-d14 - 136%], RE117D1-20241213 [Nitrobenzene-d5 - 116%, Terphenyl-d14 - 155%], RE115D1-20241213 [Terphenyl-d14 - 154%], RE115D1-20241213DL [Nitrobenzene-d5 - 136%, Terphenyl-d14 - 187%], TT189D2-20241213 [Terphenyl-d14 - 146%], TT189D2-20241213DL [Nitrobenzene-d5 - 140%, Terphenyl-d14 - 198%], FB02-20241213 [Nitrobenzene-d5 - 112%, Terphenyl-d14 - 147%], PB165667BL [2,4,6-Tribromophenol - 21%, Terphenyl-d14 - 140%] and PB165667BS [2,4,6-Tribromophenol - 41%, Nitrobenzene-d5 - 116%]. Failed surrogates are not associated with DOD , Therefore no further corrective action was 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 MS {P5280-04MS} with File ID: BN035735.D recoveries met the requirements for all compounds except for 1,4-Dioxane[133%], Failed due to matrix interference, no further corrective action was required.			
The MSD {P5280-05MSD} with File ID: BN035736.D recoveries met the acceptable requirements except for 1,4-Dioxane[138%] , Failed due to matrix interference, no further corrective action was required.			
The Blank Spike met requirements for all samples.			
9. Internal Standard Area/Retention Time Shift Meet Criteria			✓
Comments:			
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:

Samples TT101D2-20241212, RE115D1-20241213 and TT189D2-20241213 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