

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: P5376

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.		✓	
<p>The Initial Calibration met the requirements . The Continuous Calibration File ID BN035811.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.</p> <p>The Continuous Calibration File ID BN035830.D met the requirements except for 1,4- Dioxane,2,4,6-Tribromophenol,Nitrobenzene-d5 and Phenol-d6, The associate samples have no positive hit for these compounds therefore no corrective action was taken. .</p> <p>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.</p>			
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 met the acceptable criteria except for TT205S1-20241218 [Terphenyl-d14 - 148%], TT150S1-20241218 [Terphenyl-d14 - 134%], RE115D2-20241218DL [Nitrobenzene-d5 - 131%, Terphenyl-d14 - 164%], TT149S1-20241218 [Terphenyl-d14 - 138%], DUP-07-20241218 [Terphenyl-d14 - 144%], TT174I1-20241218 [Terphenyl-d14 - 143%], RW10-MW01S-20241218 [Terphenyl-d14 - 137%], RW10A-MW01I-20241218 [Terphenyl-d14 - 134%], RE117D2-20241218 [Terphenyl-d14 - 141%], TT161S1-20241219 [Terphenyl-d14 - 140%], TT162S1-20241219 [Nitrobenzene-d5 - 114%, Terphenyl-d14 - 134%], TT119S1-20241219 [Terphenyl-d14 - 133%], TT188S1-20241219 [Terphenyl-d14 - 142%], FB03-20241219 [Terphenyl-d14 - 143%], and PB165828BS [Nitrobenzene-d5 - 122%], 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 MS {P5376-08MS} with File ID: BN035821.D recoveries met the requirements for all compounds except for 1,4-Dioxane[53%], Due to poor compound the recovery no corrective action is required. The MSD {P5376-09MSD} with File ID: BN035822.D recoveries met the acceptable requirements except for 1,4-Dioxane[51%], Due to poor compound the recovery no corrective action is 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:			
11. Analysis Holding Time Met			✓
If not met, list number of days exceeded for each sample:			

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(CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

The sample # S32-0576MRW10-MW01S-20241218MS and RW10-MW01S-20241218MSD is failing for cis-1,2-Dichloroethene and the original sample(RW10-MW01S-20241218) is reported with M flag for this compounds.

Sample RE115D2-20241218 was diluted due to high concentration.

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.

QA REVIEW

Date