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: P5317 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 BN035776.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 BN035794.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 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:		✓	

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 RE114D2-20241216 [Terphenyl-d14 - 155%],
RW4-20241216 [Terphenyl-d14 - 143%],
TT191D1-20241216 [Terphenyl-d14 - 152%],
TT191D2-20241216 [Terphenyl-d14 - 157%],
TT163S1-20241216 [Nitrobenzene-d5 - 112%, Terphenyl-d14 - 179%],
DUP-04-20241216 [2-Fluorobiphenyl - 108%, Terphenyl-d14 - 162%],
RW8-MW01S-20241216 [Terphenyl-d14 - 182%],
RW8-MW01D1-20241216 [Terphenyl-d14 - 191%],
TT158S1-20241217 [Nitrobenzene-d5 - 112%, Terphenyl-d14 - 192%],
TT158I1-20241217 [Terphenyl-d14 - 154%],
DUP-05-20241217 [Terphenyl-d14 - 163%],
TT172S1-20241217 [Terphenyl-d14 - 144%],
RW9-MW01S-20241217 [2-Fluorobiphenyl - 112%, Terphenyl-d14 - 157%],
RW9-MW01D1-20241217 [Terphenyl-d14 - 142%],
RW9-MW01D2-20241217 [Terphenyl-d14 - 155%],
RW9-MW01D3-20241217 [Terphenyl-d14 - 162%],
DUP-06-20241217 [2-Fluorobiphenyl - 111%, Terphenyl-d14 - 169%],
RE132D5-20241217 [Terphenyl-d14 - 134%],
RE132D5-20241217MS [Terphenyl-d14 - 147%],
RE132D5-20241217MSD [Terphenyl-d14 - 168%],
RE132D6-20241217 [Terphenyl-d14 - 175%],
RE132D6-20241217DL [2-Fluorobiphenyl - 113%, Nitrobenzene-d5 - 130%, Terphenyl-d14 - 222%],
RE132D7-20241217 [Terphenyl-d14 - 138%],
RW8-MW01D2-20241217 [2-Fluorobiphenyl - 111%, Nitrobenzene-d5 - 122%, Terphenyl-d14 - 190%],
RW8-MW01D3-20241217 [2-Fluorobiphenyl - 109%, Nitrobenzene-d5 - 112%, Terphenyl-d14 - 160%],
PB165723BL [Nitrobenzene-d5 - 122%, Terphenyl-d14 - 134%],
PB165723BS [2-Fluorobiphenyl - 115%, Nitrobenzene-d5 - 141%, Terphenyl-d14 - 142%],
PB165724BL [Nitrobenzene-d5 - 114%, Terphenyl-d14 - 134%],
PB165724BS [2-Fluorobiphenyl - 115%, Nitrobenzene-d5 - 125%],
PB165724BSD [2-Fluorobiphenyl - 116% and Nitrobenzene-d5 - 140%].

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 {P5317-19MS} with File ID: BN035783.D recoveries met the requirements for all compounds except for 1,4-Dioxane[195%], Due to being a poor compound therefore no corrective action was taken. The Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples . The RPD for {P5317-20MSD} with File ID: BN035784.D met criteria except for 1,4-Dioxane[89%], due to difference in results of MS and MSD .			
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments: The Internal Standards Areas met the acceptable requirements except for RE132D6-20241217DL, The failure Internal Standard not associated with the client parameters list, therefore no 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 RE132D5-20241217 was diluted due to bad matrix sample run straight where, End Continuous Calibration missing so based on that analysis lab analyzed Sam# RE132D5-20241217 analyzed with direct 2x dilution.

The Sam# RE132D5-20241217, Samples original analyzed with direct 2x dilution is reported as screening data in miscellaneous data.

The sample # RE132D5-20241217MS and RE132D5-20241217MS is failing for cis-1,2-Dichloroethene and the original sample(RE132D5-20241217) is reported with M flag for this compounds.

Sample RE132D6-20241217 was diluted due to high concentration.

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(CONTINUED)

NA NO YES

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
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