CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: M2783 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 %RSD is greater than 20% for certain compounds in the Initial Calibration (Method 8270E-BN062921.M) Compound 2,4,6-Tribromophenol, is passing on Linear Regression. The Continuous Calibration File ID BN015265.D met the requirements except for 2-Fluorophenol, Nitrobenzene-d5 and Phenol-d6 The above failure compounds were not associated with the client list therefore no corrective action was taken. . The Continuous Calibration File ID BN015284.D met the requirements except for Nitrobenzene-d5 The above failure compounds were not associated with the client list therefore no corrective action was taken..			
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 RE134D1-20210617 [2-Fluorobiphenyl - 108%, Terphenyl-d14 - 135%], RE134D2-20210617 [2-Fluorobiphenyl - 110%], RE134D4-20210617 [2-Fluorobiphenyl - 110%, Terphenyl-d14 - 142%], RE114D1-20210617 [2-Fluorobiphenyl - 113%, Terphenyl-d14 - 135%], RE114D2-20210617 [2-Fluorobiphenyl - 110%], RE115D2-20210617 [2-Fluorobiphenyl - 113%, Terphenyl-d14 - 138%], RE132D2-20210618 [2-Fluorobiphenyl - 108%], RE132D4-20210618DL [Nitrobenzene-d5 - 120%], RE132D5-20210618 [Fluorobiphenyl - 145%, Terphenyl-d14 - 168%] and PB137316BL [Terphenyl-d14 - 152%] The above failure surrogates are not associated with the client list, therefore no corrective action was taken.			

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(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 {M2783-19MS} with File ID: BN015268.D recoveries met the requirements for all compounds except for 1,4-Dioxane[850%] due to sample matrix interference. The MSD {M2783-20MSD} with File ID: BN015269.D recoveries met the acceptable requirements except for 1,4-Dioxane[775%] due to sample matrix interference.. The Blank Spike met requirements for all samples.		✓	
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments: The Internal Standards Areas met the acceptable requirements except for RE132D5-20210618 The above failure internal standard is not associated with the client 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:

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).

Samples RE134D2-20210617, RE134D3-20210617, RE132D2-20210618, RE132D3-20210618, RE132D4-20210618, RE132D5-20210618 and RE132D6-20210618 were diluted due to high concentrations.

The sample # RE132D4-20210618MS and RE132D4-20210618MS is failing for 1,4-Dioxane and the original sample(RE132D4-20210618) is reported with M flag for this compound.

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.

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QA REVIEW Date