

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

ORDER ID: Q2815

MATRIX: Water

METHOD: 8270E/3510

		N A	N O	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.			✓

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

(CONTINUED)

NA NO YES

The %RSD is greater than 20% for certain compounds in the Initial Calibration (Method 8270-BF081225.M) for 2-Nitrophenol, Hexachlorocyclopentadiene, 2-Nitroaniline, 2,6-Dinitrotoluene, 4-Nitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol, Pentachlorophenol, Butylbenzylphthalate, Bis(2-ethylhexylephthalate), Di-n-octyl phthalate, These Compounds is passing on Linear Regression and 2,4-Dinitrophenol is passing on Quadratic Regression.

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF082025.M) for Benzoic acid, Hexachlorocyclopentadiene, 2,4-Dinitrophenol these Compounds are passing on Linear regression.

The Continuous Calibration File ID BF143399.D met the requirements except for Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Di-n-octyl phthalate, Hexachlorocyclopentadiene, Pentachlorophenol, These compounds are failed high side and associated samples does not have hit for these compounds, therefor no further corrective action was taken. and Pyrene is failed marginally low , therefor no further corrective action was taken.

The Continuous Calibration File ID BP025422.D met the requirements except for Benzaldehyde, This compound is failed high side and associated samples does not have hit for this compound, therefor no further corrective action was taken.

The Continuous Calibration File ID BF143414.D met the requirements except for Butylbenzylphthalate, This compound is failed high side and associated samples does not have hit for this compound, therefor no further corrective action was taken.

The Continuous Calibration File ID BF143539.D met the requirements except for Pentachlorophenol, This compound is failed high side and associated samples does not have hit for this compound, therefor no further corrective action was taken.

The Continuous Calibration File ID BP025470.D met the requirements except for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and Hexachlorocyclopentadiene. These compounds are failed high side and associated samples does not have hit for these compounds, therefor no further corrective action was taken.

The Continuous Calibration File ID BP025485.D met the requirements except for 2,4-Dinitrophenol. This compound is failed high side and associated samples does not have hit for this compound, therefor no further corrective action was taken.

The Continuous Calibration File ID BP025487.D met the requirements except for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. These compounds are failed high side and associated samples does not have hit for these compounds, therefor no further corrective action was taken.

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		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 were met for all analysis except for, TW-705R-S [2,4,6-Tribromophenol - 11%, 2-Fluorobiphenyl - 25%, 2-Fluorophenol - 7%, Nitrobenzene-d5 - 23%, Phenol-d6 - 9%, Terphenyl-d14 - 22%], Surrogates are failed due to Muddy matrix, As no extra volume was available for re-extraction and also the re-analysis, therefor no further corrective action was taken.			
	TW-22M-E [2,4,6-Tribromophenol - 14%, 2-Fluorobiphenyl - 27%, 2-Fluorophenol - 12%, Nitrobenzene-d5 - 26%, Phenol-d6 - 4%, Terphenyl-d14 - 30%], Surrogate are failed due to matrix interference. The Chromatogram also indicated presence of the non target hydro carbons, therefor no further corrective action was taken.			
	TW-22M-N [Terphenyl-d14 - 49%]. As per SOP one Base surrogate is allowed to fail , therefor no further 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 Blank Spike met requirements for all compounds.			
	The Blank Spike Duplicate met requirements for all compounds.			
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 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