

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: Q2814

MATRIX: Water

METHOD: 8270E/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 8270-BF081225.M) for 2-Nitrophenol, Hexachlorocyclopentadiene, 2-Nitroaniline, 2,6-Dinitrotoluene, 4-Nitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylephenol, Pentachlorophenol, Butylbenzylphthalate, Bis(2-ethylhexylephthalate), Di-n-octyl phthalate. These Compounds is passing on Linear Regression . 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 BF143377.D met the requirements except for Bis(2-ethylhexyl)phthalate and Butylbenzylphthalate, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BF143397.D met the requirements except for Bis(2-ethylhexyl)phthalate, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BF143539.D met the requirements except for Pentachlorophenol , The associate samples have no positive hit for this compound therefore no corrective action was taken.

The Continuous Calibration File ID BP025422.D met the requirements except for Benzaldehyde The associate compound are not required for the samples under the sequences, therefore no corrective action was taken.

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY**(CONTINUED)**

		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 met the acceptable criteria except for TW-82H-E [2-Fluorobiphenyl - 40%, Terphenyl-d14 - 44%], TW-82H-ERE [2,4,6-Tribromophenol - 36%, 2-Fluorobiphenyl - 31%, Nitrobenzene-d5 - 35%, Terphenyl-d14 - 33%], TW-82H-S [Terphenyl-d14 - 48%], TW-518R-N [2-Fluorobiphenyl - 43%, Terphenyl-d14 - 45%], TW-518R-NRE [2-Fluorobiphenyl - 43%, Failure sample for surrogate was reanalyzed to confirm the failure and both run were reported in Hard Copy, and Terphenyl-d14 - 43%], as per method one acid and one base surrogate allow to fail therefore no corrective action 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 for {PB169223BS} with File ID: BF143500.D met requirements for all samples except for 1,4-Dioxane[68%], The associate samples have no positive hit for this compound therefore no corrective action was taken.			
	The Blank Spike Duplicate met requirements for all samples .The RPD for {PB169223BSD} with File ID: BF143501.D met criteria except for 3,3-Dichlorobenzidine[25%], 4-Chloroaniline[46%], due to difference in results of BS and BSD.			
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:			

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

(CONTINUED)

		NA	NO	YES
11.	Analysis Holding Time Met			✓

If not met, list number of days exceeded for each sample:

The Holding Times were met for all analysis except for TW-BP-S, TW-BP-N, TW-BP-E, TW-BP-W, FB, TW-BP-S, TW-BP-N, TW-BP-E, TW-BP-W and FB, Extraction out of hold due to receive late.

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.

The soil samples results are based on a dry weight basis.

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