CHEMTECH 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: O3645 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.			✓

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

(CONTINUED)

	NA	NO	YES

The % RSD is greater than 15% in the Initial Calibration method (Method 8270-BF062623.M) for 2,4-Dinitrophenol,this compound is passing on Linear Regression and Benzaldehyde, this compound is passing on Quadratic regression.

The % RSD is greater than 15% in the Initial Calibration method (Method 8270-BF072423.M) for 2,4-Dinitrophenol,this compound is passing on Linear Regression and Hexachlorocyclopentadiene, this compound is passing on Quadratic regression.

The % RSD is greater than 20% in the Initial Calibration method (Method 8270-BF080123.M) for 2-Nitrophenol,2-Nitroaniline, 2,6-Dinitrotoluene, 2,4-Dinitrotoluene ,4,6-Dinitro-2-methylphenol, these compounds are passing on Linear Regression and Benzaldehyde, 2,4-Dinitrophenol , these compounds are passing on Quadratic regression.

The % RSD is greater than 15% in the Initial Calibration method (Method 8270-BG072823.M) for Hexachlorocyclopentadiene, 2,4-Dinitrophenol, 4-Nitrophenol, these compounds are passing on Linear Regression.

The % RSD is greater than 15% in the Initial Calibration method (Method 8270-BM72823.M) for 3-Nitroaniline,4-Nitroaniline,2,4-Dinitrophenol, 2,4-Dinitrotoluene ,Bis(2-ethylhexyl)phthalate, these compounds are passing on Linear Regression.

The % RSD is greater than 15% in the Initial Calibration method (Method 8270-BP072723.M) for 2-Nitrophenol,2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, these compounds are passing on Linear Regression and Benzaldehyde, this compound is passing on Quadratic regression.

The Continuous Calibration File ID BF134355.D met the requirements except for 2,2-oxybis(1-Chloropropane) is failing marginally low therefore no corrective action taken.

The Continuous Calibration File ID BG058569.D met the requirements except for 4-Nitroaniline but no positive hits in associated samples therefore no corrective action taken.

The Continuous Calibration File ID BP016411.D met the requirements except for Benzaldehyde but associated QC within limits therefore no corrective action 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 SB-10-(0.5-2.0)DL [2-Fluorobiphenyl - 106%], RINSATE-BLANK [Nitrobenzene-d5 - 142%] as per method one surrogate is allowed 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 {PB154218BS} with File ID: BP016413.D met requirements for all samples except for 2,2-oxybis(1-Chloropropane)[106%], 4-Nitrophenol[120%], Butylbenzylphthalate[108%] and Hexachloroethane[106%] but no positive hits in associated sample therefore no corrective action taken.			
	The Blank Spike Duplicate for {PB154218BSD} with File ID: BP016414.D met requirements for all samples except for 2,2-oxybis(1-Chloropropane)[104%], 4-Nitrophenol[120%] and Butylbenzylphthalate[108%] but no positive hits in associated sample therefore no corrective action taken.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria		✓	
	Comments: The Internal Standards Areas met the acceptable requirements.			
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:

Sample SB-10-(0.5-2.0) was diluted due to high concentration.

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

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

The temperature of the samples at the time of receipt was 24.3°C.

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

(CONTINUED)

NA NO YES

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