

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: Q1478

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% in the Initial Calibration (8270-BF022725.M) for 2-Nitrophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 3-Nitroaniline, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol, these compounds are passing on Linear Regression and 2,4-Dinitrophenol, is passing on Quadratic regression			
The Continuous Calibration File ID BF141858.D met the requirements except for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, 4-Nitrophenol, Benzo(g,h,i)perylene and Nitrobenzene-d5, The associate samples have no positive hit for these compounds 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 PB166982BL [2,4,6-Tribromophenol - 115%], PB166982BS [2,4,6-Tribromophenol - 118%], PB166982BSD [2,4,6-Tribromophenol - 116%], IDW-AQ-IW-01-COMP-022825 [2,4,6-Tribromophenol - 124%], this compound did not meet the NJDKQP criteria but met the in-house criteria, IDW-AQ-MW-19B-COMP-022825 [2,4,6-Tribromophenol - 138%, Nitrobenzene-d5 - 139%], IDW-AQ-IW-02-COMP-022825 [2,4,6-Tribromophenol - 148%, Nitrobenzene-d5 - 141%], IDW-AQ-IW-03-COMP-022825 [2,4,6-Tribromophenol - 147% and Nitrobenzene-d5 - 144%], these compounds did not meet the NJDKQP criteria and in-house criteria but as per method two surrogates are allowed to failed, therefore no corrective action was taken.			

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		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 Blank Spike for {PB166982BS} with File ID: BF141862.D met requirements for all samples except for 3,3-Dichlorobenzidine[57%], 3-Nitroaniline[67%] and 4-Chloroaniline[39%], these compounds did not meet the NJDKQP criteria but met the in-house criteria .			
	The Blank Spike Duplicate for {PB166982BSD} with File ID: BF141863.D met requirements for all samples except for 3,3-Dichlorobenzidine[59%], 3-Nitroaniline[69%] and 4-Chloroaniline[40%], these compounds did not meet the NJDKQP criteria but met the in-house criteria .			
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:			

ADDITIONAL COMMENTS:

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 <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