CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: O3645 MATRIX: /Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB 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 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 method (82D071423S.M) for Methylene Chloride, this compound is passing on Linear Regression. The %RSD is greater than 15% in the Initial Calibration method (82N071023W.M) for Bromomethane, Chloroethane, Methylene Chloride, 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-Chloropropane, these compounds are passing on Linear Regression. The Continuous Calibration File ID VN078550.D met the requirements except for Carbon Disulfide failing marginally low therefore no corrective action 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.			✓

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (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 Blank Spike met requirements for all samples .

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The Blank Spike Duplicate for {VN0718WBSD02} with File ID: VN078556.D met requirements for all samples except for 1,1,1-Trichloroethane[109%], 1,1,2-Trichloroethane[129%], 1,2-Dibromoethane[127%], 1,2-Dichloropropane[112%], 2-Hexanone[150%], Bromoform[117%], Chloromethane[117%], cis-1,3-Dichloropropene[113%], Dibromochloromethane[138%], Ethyl Benzene[110%], m/p-Xylenes[113%], o-Xylene[111%], Styrene[116%], t-1,3-Dichloropropene[121%] and Tetrachloroethene[132%]failing high but no positive hit in associated sample therefore no corrective action taken.

The RPD for {O3645-10MSD} with File ID: VD076763.D met criteria except for 1,2,3-Trichlorobenzene[21%], 1,2,4-Trichlorobenzene[21%], Bromodichloromethane[21%], Bromoform[22%], Bromomethane[23%], cis-1,2-Dichloroethene[21%] and Methyl tert-butyl Ether[22%]due to difference in results of MS-MSD.

The RPD for {VN0718WBSD02} with File ID: VN078556.D met criteria except for 1,2-Dibromoethane[23%], 2-Hexanone[40%], Dibromochloromethane[30%], o-Xylene[22%], Styrene[24%] and Tetrachloroethene[40%] due to difference in results of BS-BSD.

9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓

Comments:

10.	Analysis Holding Time Met			✓

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

ADDITIONAL COMMENTS:

The Samples #SB-02-(3-5),SB-08-(10.5-2.0),SB-10-(0.5-2.0),DUP have the concentration of Carbon Disulfide, while sample#SB-04-(1-5) have the concentration of Carbon Disulfide and Methylcyclohexane below Method detection limits, therefore it is not reported as Hit in Form1.

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

Trip Blank was not provided with this set of samples.

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 <15% for the Initial Calibration curve and use %D calculated based on Amount added

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

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