ALLIANCE 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: Q1380 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 (82N021825W.M) for Styrene this compound is passing on Quadratic Regression. The Continuous Calibration met the requirements .			✓
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 BP-VPB-192-GW-725-727MS [4-Bromofluorobenzene - 63%, Toluene-d8 - 73%] ,Surrogate fail in Only MS but Parent Sample and MSD are Passing For Surrogate Recoveries therefore no Corrective action was taken.		✓	

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 MS {Q1380-07MS} with File ID: VY021342.D recoveries met the requirements for all compounds except for 1,2-Dichlorobenzene[72%], 1,3-Dichlorobenzene[67%], 1,4-Dichlorobenzene[69%], Chlorobenzene[76%], Ethyl Benzene[75%], m/p-Xylenes[74%], Methylcyclohexane[46%], o-Xylene[75%], Styrene[51%], Tetrachloroethene[72%] and Trichloroethene[76%], due to Matrix interference.

The MSD {Q1380-08MSD} with File ID: VY021343.D recoveries met the acceptable requirements except for 1,1,2,2-Tetrachloroethane[164%], Methyl tert-butyl Ether[127%] and Styrene[69%], due to Matrix interference.

The sample # BP-VPB-192-GW-725-727MS and BP-VPB-192-GW-725-727MSD are failing for Methyl tert-butyl Ether,Methylcyclohexane,Trichloroethene,Tetrachloroethene,Chlorobenzene,Ethyl Benzene,m/p-Xylenes,o-Xylene,Styrene,1,1,2,2-Tetrachloroethane,1,3-Dichlorobenzene,1,4-Dichlorobenzene and 1,2-Dichlorobenzene the original sample(BP-VPB-192-GW-725-727) is reported with M flag for this compounds.

The RPD for {Q1380-08MSD} with File ID: VY021343.D met criteria except for 1,1,1-Trichloroethane[34%], 1,1,2,2-Tetrachloroethane[38%], 1,1,2-Trichloroethane[40%], 1,1,2-Trichlorotrifluoroethane[37%], 1,1-Dichloroethane[32%], 1,1-Dichloroethene[35%], 1,2-Dichlorobenzene[40%], 1,2-Dichloroethane[38%], 1,2-Dichloropropane[35%], 1,3-Dichlorobenzene[38%], 1,4-Dichlorobenzene[40%], 2-Butanone[41%], 2-Hexanone[45%], 4-Methyl-2-Pentanone[45%], Acetone[39%], Benzene[35%], Bromodichloromethane[34%], Bromoform[38%], Bromomethane[33%], Carbon disulfide[32%], Carbon Tetrachloride[35%], Chlorobenzene[34%], Chloroethane[31%], Chloroform[33%], Chloromethane[36%], cis-1,2-Dichloroethene[33%], cis-1,3-Dichloropropene[35%], Dibromochloromethane[38%], Ethyl Benzene[35%], Isopropylbenzene[37%], m/p-Xylenes[37%], Methyl tert-butyl Ether[39%], Methylcyclohexane[43%], Methylene Chloride[33%], o-Xylene[35%], Styrene[30%], t-1,3-Dichloropropene[36%], Tetrachloroethene[34%], Toluene[35%], trans-1,2-Dichloroethene[34%], Trichloroethene[35%], Trichlorofluoromethane[35%] and Vinyl chloride[37%] , due to difference in results of MS and MSD.

The Blank Spike for {VY0219SBS01} with File ID: VY021238.D met requirements for all samples except for Chloroethane[146%], Chloromethane[150%] and Vinyl chloride[145%], are failing high but no positive hit in associate samples therefore no corrective action taken.

The Blank Spike Duplicate met requirements for all samples.

		NA	NO	YES
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓

Comments: The Internal Standards Areas met the acceptable requirements except for BP-VPB-192-GW-725-727MSD.Internal standard fail in only MSD but MS and Parent Sample are Passing For Internal standard Recoveries therefore no Corrective action was taken.

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

		NA	NO	YES
10.	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 BP-VPB-192-GW-725-727MS and BP-VPB-192-GW-725-727MSD,for MS-MSD VIAL A Initially analyzed in sequence VY022025 with in Holding time but internal standard and surrogate failed as well as End CCAL was failing therefore as a corrective action lab analyzed MS-MSD again with VIAL B where Internal standards and surrogate failure confirmed but this analysis is out of Holding time, Therefore VIAL B reported as final and VIAL A reported as screening data in miscellaneous section.

ADDITIONAL COMMENTS:

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

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.

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QA REVIEW Date