

**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**

ORDER ID: Q3178

MATRIX: Solid

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 (82W082625S.M) for Methylene chloride passing on Quadratic regression.  The %RSD is greater than 20% in the Initial Calibration method (82W092525S.M) for Methylene chloride passing on Linear regression. The Continuous Calibration File ID VW032241.D met the requirements except for Methyl Acetate is failing high but no positive hit in associate sample 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 MS {Q3178-02MS} with File ID: VW032271.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[280%], 1,2-Dibromo-3-Chloropropane[240%], Isopropylbenzene[173%] and Methyl Acetate[293%] due to matrix interference.			
The MSD {Q3178-03MSD} with File ID: VW032272.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[224%], 1,2-Dibromo-3-Chloropropane[196%], Isopropylbenzene[168%] and Methyl Acetate[281%] due to matrix interference.			
The RPD for {Q3178-03MSD} with File ID: VW032272.D met criteria except for 1,1,2,2-Tetrachloroethane[22%], 1,2,4-Trichlorobenzene[23%], Bromodichloromethane[22%], Carbon disulfide[27%], Carbon Tetrachloride[21%], cis-1,2-Dichloroethene[21%], cis-1,3-Dichloropropene[29%], Dibromochloromethane[31%], Methylcyclohexane[22%], o-Xylene[22%], Styrene[27%], t-1,3-Dichloropropene[26%], Toluene[33%], Trichloroethene[26%] and Trichlorofluoromethane[24%] due to difference in results of MS and MSD.			
9. Internal Standard Area/Retention Time Shift Meet Criteria		✓	
Comments: The Internal Standards Areas were met for all analysis except for EME-TS14-01MS, EME-TS14-01MSD original analysis met all QC limit requirements therefore no corrective action taken.			
10. Analysis Holding Time Met			✓
If not met, list number of days exceeded for each sample:			

**ADDITIONAL COMMENTS:**

Trip Blank was not provided with this set of samples.

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

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QA REVIEW

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Date