

**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: Q3311

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 Initial Calibration met the requirements. The Continuous Calibration File ID VX048100.D met the requirements except for 1,1,2-Trichlorotrifluoroethane,Bromomethane,Carbon Disulfide, Dichlorodifluoromethane, Methylcyclohexane,Trichlorofluoromethane and Vinyl Chloride are failing high but no positive hit in associate sample therefore no corrective action taken.  The Continuous Calibration File ID VX048126.D met the requirements except for 1,1,2-Trichlorotrifluoroethane,Bromomethane and Dichlorodifluoromethane, Trichlorofluoromethane are failing high but no positive hit in associate sample and Vinyl Chloride is failing high and associate sample having hit of Vinyl Chloride but below CRQL therefore no corrective action taken. while Carbon Disulfide is failing high and due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported.  The Continuous Calibration File ID VX048153.D met the requirements except for 1,1,2-Trichlorotrifluoroethane,Bromomethane,Carbon Disulfide,Carbon Tetrachloride,Dichlorodifluoromethane,Trichlorofluoromethane and Vinyl Chloride are 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.  The Surrogate recoveries were met for all analysis except for MW-214DDL [4- Bromofluorobenzene - 123%], due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported.			✓

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**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 {Q3311-03MS} with File ID: VX048177.D recoveries met the requirements for all compounds except for 1,2,3-Trichlorobenzene[73%], 1,2,4-Trichlorobenzene[69%], 1,2-Dibromo-3-Chloropropane[74%], 1,2-Dichlorobenzene[78%], 1,3-Dichlorobenzene[78%], 1,4-Dichlorobenzene[77%] and Tetrachloroethene[260%] due to matrix interference.			
The MSD {Q3311-04MSD} with File ID: VX048178.D recoveries met the requirements for all compounds except for Tetrachloroethene[260%] due to matrix interference.			
The Blank Spike for {VX1014WBS01} with File ID: VX048156.D met requirements for all compounds except for Methyl Acetate[65%], Methyl tert-butyl Ether[76%] are failing marginally low therefore no corrective action taken.			
The RPD for {Q3311-04MSD} with File ID: VX048178.D met criteria except for 1,1,2,2-Tetrachloroethane[21%], 1,2,3-Trichlorobenzene[27%], 1,2,4-Trichlorobenzene[27%], 1,2-Dibromo-3-Chloropropane[26%], 1,2-Dichlorobenzene[24%], 1,3-Dichlorobenzene[22%], 1,4-Dichlorobenzene[22%] and Isopropylbenzene[24%] due to difference in results of MS and MSD.			
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:**

Samples MW-6BA and GW-DUP were diluted due to past history of these samples containing high amounts of compound Tetrachloroethene.

Samples MW-218, MW-1S, MW-1D, MW-101S, C-MW-3, MW-214D, MW-215D and MW-227B were diluted due to high concentrations.

Trip Blank was not provided with this set of samples.

The Sample # MW-1S, C-MW-3 and MW-5BA, have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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QA REVIEW

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Date