

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

**GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY**

CHEMTECH PROJECT NUMBER: bf080924

SequenceID : bf080924

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)	_____	_____	_____✓_____
2. GC/MS Tuning Specifications. DFTPP Meet Criteria 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 Met:	_____	_____	_____✓_____
a. Initial calibration Meet Criteria	_____	_____	_____✓_____
If not met, list those compounds and their recoveries which fall outside the acceptable range.	_____	_____	_____
b. Continuous Calibration(CCC) Meet Criteria	_____	_____✓_____	_____
If not met, list those compounds and their recoveries which fall outside the acceptable range.  Benzaldehyde is marginally biased low in CCC. And Hexachlorocyclopentadiene is biased high in the CCC if any samples are found with hit of this compound they will be reanalyzed with a properly passing CCC.	_____	_____✓_____	_____
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	_____	_____✓_____	_____
a. B/N Fraction	_____	_____	_____
d. Acid Fraction	_____	_____	_____

7. Surrogate Recoveries Meet Criteria

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

\_\_\_\_\_ ✓ \_\_\_\_\_

a. B/N Fraction

d. Acid Fraction

8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria

If not met, list those compounds and their recoveries which fall outside the acceptable range.

\_\_\_\_\_ ✓ \_\_\_\_\_

a. B/N Fraction Recovery and RPD failed for some compound in P3460-01MS/MSD and P3509-01MS/MSD due to matrix interference. No corrective action is required.

d. Acid Fraction

9. Internal Standard Area/Retention Time Shift Meet Criteria

Comments:

\_\_\_\_\_ ✓ \_\_\_\_\_

Internal standard fail in P3507-01 and P3394-02. I.S failed in the sample P3509-01 and its associated MD/MSD due to matrix interference. No corrective action is required.

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:

One surrogate (Terphenyl-d14) is marginally biased high in PB162358BS. The data will be used for hardcopies. Recovery of compound #74,80 failed biased high in PB162358BS which Hit are not present in any associated samples. Recovery of compound #15,74,80 failed biased high in PB162423BS which Hit are not present in any associated samples. Recovery of compound #15,74,80,89 failed biased high in PB162489BS which Hit are not present in any associated samples. The sample P3507-01 had to be analyzed with 5X dilution due to dirty and viscous matrix with was difficult to inject otherwise. And internal standard failed even in this diluted sample proving matrix interference. Hence no corrective action is required.

\_\_\_\_\_  
Rahul

Analyst

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08/09/2024

Date

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