

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

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

CHEMTECH PROJECT NUMBER: be110524

| SequenceID : | <u>be110524</u> | 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. | | _____ | _____✓_____ | _____ |
| CCC is marginally biased high for compound #85 and compounds #6,77 are biased high if any samples are found with hit of these compounds they will be re-analyzed 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 P4640-04MS/MSD due to matrix interference hence no corrective action needed.

d. Acid Fraction

9. Internal Standard Area/Retention Time Shift Meet Criteria

Comments:

_____ ✓ _____

Internal standard failed in P4682-01 due to oily and foaming matrix, which can be observed in the abnormal chromatogram, hence no corrective 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:

Recovery of some compound failed in PB164639BS but their Hit is not present in any associated samples. Terphenyl-d14 surrogate is marginally biased high in PB164639BS. The data will be used for hard copies.

Analyst

11/06/2024

Date

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