

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

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

CHEMTECH PROJECT NUMBER: bm091924

SequenceID : bm091924

| | 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. Compound #77,80,82,84,85 are biased high in the SSTDCCC(BM047566.D) 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 Recovery failed for some compound in P4103-13MS/MSD due to matrix interference. No corrective action is required.
- d. Acid Fraction Recoveries of Two phenolic surrogates failed in the sample P3956-02 due to matrix interference as seen in the chromatogram and for the same reason, it was analyzed with 5X dilution.

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
- d. Acid Fraction

9. Internal Standard Area/Retention Time Shift Meet Criteria

Comments:

_____ ✓ _____

Internal standard Chrysene-d12 failed marginally in the sample P3845-22. Chrysene-d12 and Perylene-d12 were marginally biased low in PB163344BL. Data will be used for hard copies.

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 is slightly out of QC limits in PB163344BS/BSD but their Hit is not present in any associated samples. Recovery of compound #38 is biased low in PB163525BS but it is not present in parameter list of the associated samples. Hence the data will be used for hardcopies. Recoveries of few compounds were biased high in the CCC and PB163318BS and PB163318BSD and those were not present in the sample P3940-01.

Analyst

Date

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