

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

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

CHEMTECH PROJECT NUMBER: bf020725

SequenceID : bf020725

| | 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. | _____ | _____ | _____✓ |
| 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 Terphenyl-d14 surrogate is marginally biased high in PB166588BS. The data will be used for hardcopies.
- d. Acid Fraction Typically only two phenolic surrogates failed in the samples Q1241-11, Q1242-03, Q1235-03 due to dirty and concentrated matrix. As re-analysis of these samples will result in the sample surrogates to fail hence this analysis will be final.

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 The Recovery and RPD fail for some compound in P1288-01MS/MSD due to matrix interference. Hence, no corrective action is required.
- d. Acid Fraction

9. Internal Standard Area/Retention Time Shift Meet Criteria

_____ ✓ _____

Comments:

Internal standard failed in the sample Q1304-01 due to the presence of nontargeted hydrocarbons which can be observed by the abnormal chromatogram. Hence, no corrective action is required. Internal standard (Chrysene-d12) failed marginally in the sample Q1216-15, it will be reanalyzed with the required dilution.

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:

The samples Q1235-07, Q1232-07, Q1241-19, Q1241-15, Q1242-03, Q1232-11, Q1232-19, and Q1235-03 had to be analyzed with 2X dilution each due to viscous and concentrated matrix.

Rahul _____

Analyst

02/07/2025 _____

Date



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