

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

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

CHEMTECH PROJECT NUMBER: bf020525

| SequenceID : <u>bf020525</u>                                                                                                                                                                                   | NA    | NO       | YES      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|----------|
| 1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)                                                                                                                               | _____ | _____    | <u>✓</u> |
| 2. GC/MS Tuning Specifications. DFTPP Meet Criteria Criteria<br>(NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)                                                                            | _____ | _____    | <u>✓</u> |
| 3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 series                                                                                                               | _____ | _____    | <u>✓</u> |
| 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 | _____ | _____    | <u>✓</u> |
| 5. GC/MS Calibration Met:                                                                                                                                                                                      | _____ | _____    | <u>✓</u> |
| a. Initial calibration Meet Criteria<br>If not met, list those compounds and their recoveries which fall outside the acceptable range.                                                                         | _____ | _____    | <u>✓</u> |
| b. Continuous Calibration(CCC) Meet Criteria<br>If not met, list those compounds and their recoveries which fall outside the acceptable range.                                                                 | _____ | _____    | <u>✓</u> |
| 6. Blank Contamination - If yes, list compounds and concentrations in each blank:                                                                                                                              | _____ | <u>✓</u> | _____    |
| 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 compound #82 in the sample Q1280-02 MS/MSD due to matrix interference. Hence, no corrective action is required.

d. Acid Fraction

9. Internal Standard Area/Retention Time Shift Meet Criteria

Comments:

\_\_\_\_ ✓ \_\_\_\_

The sample Q1286-01 had be analyzed with 5X dilution due to viscous and difficult to inject matrix even in this diluted sample internal standard failed marginally due to the presence of nontargeted hydrocarbons which can be observed by the abnormal chromatogram.

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 failed for some compound in PB166264BS, PB166294BS, PB166418BS, PB166339BS/BSD, PB166354BS. This data will be used for hardcopies.

The samples Q1207-15 and Q1206-07 had to be analyzed with 2X dilution due to concentrated matrix. The samples Q1284-01 and Q1288-04 had to be analyzed with 5X dilution and the sample Q1285-01 had to be analyzed with 10X dilution due to dirty and viscous matrix, which was difficult to inject otherwise.

krishna

Analyst

02/06/2025

Date

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