

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

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

CHEMTECH PROJECT NUMBER: bf112124

| SequenceID :   | <u>bf112124</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> | _____    |
| The % RSD is greater than 20% in the Initial Calibration (8270-BF112124.M) for Benzoic acid, Hexachlorocyclopentadiene, 2,4-Dinitrophenol, this compound is passing on Linear Regression                       |                 |       |          |          |
| 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 some compound in P4916-09MS/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 P4887-06 which is not associated with the required compound. Internal standard failed in the sample P4924-01. In the sample of P4929-01, internal standard failed due to oily matrix and the presence of nontargeted hydrocarbons which can be observed by the abnormal chromatogram. And Even in the diluted sample P4936-01

10. Extraction Holding Time Met

internal standard failed due to concentrated matrix. Hence, no corrective action required.  
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 P4929-01 and P4936-01 had to be analyzed with 10x dilution each because of concentrated and viscous oily matrix respectively. This analysis is final.

\_\_\_\_\_  
Hitesh

Analyst

\_\_\_\_\_  
11/22/2024

Date

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