Alliance
TECHNICAL GROUP

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

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

CHEMTECH PROJECT NUMBER: bf020325

		NA	NO	YES
SequenceID :	bf020325			
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 # 6 & 77 are biased low in the SSTDCCC (BF141373.D) but not present in the parameters list of any associated samples.

		NA	NO	YES
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   <u>The Recovery and RPD Fail for Some Compounds in Q1271-01MS/MSD due to Matrix interference. Hence, no corrective action is required.</u>

  d. Acid Fraction

9. Internal Standard Area/Retention Time Shift Meet Criteria   ____ ✔ ____
Comments:

    The sample Q1216-11 had to be analyzed with 2X dilution due to viscous and dirty matrix and even in the diluted sample
    internal standard failed proving matrix interference. The samples Q1219-01 and Q1218-01 had to be analyzed with 5X
    dilution each due to dirty and Oily matrix and even in the diluted samples, internal standard failed proving matrix

10. Extraction Holding Time Met   ____ ____ ✔
If not met, list number of days exceeded for each sample:
    interference. The sample Q1261-01 had to be analyzed with 5X dilution due to dirty and viscous matrix and internal standard
    failed due to the presence of non-targeted hydrocarbons which can be witnessed by the abnormal chromatogram. Hence, no
    corrective action is required.

11. Analysis Holding Time Met   ____ ✔ ____
If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:
    Recovery is biased high for compound #41 in PB166468BS/BSD. This data will be used for hardcopies.
    The sample Q1216-19 had be analyzed with 2X dilution and the sample Q1254-01 had to be analyzed with 10X dilution due to
    dirty and viscous matrix, which was difficult to inject otherwise. No corrective action is required.

Hitesh	02/04/2025
Analyst	Date

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

CHEMTECH PROJECT NUMBER: bf020325

SequenceID :   bf020325   NA   NO   YES