

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

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

CHEMTECH PROJECT NUMBER: bf111424

SequenceID : bf111424

	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 Typically only two phenolic surrogates failed in the sample P4762-02 proving matrix interference, which can also be witnessed by the abnormal chromatogram. Hence this analysis will be final.
- 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 P4788-01MS/MSD and P4807-05MS/MSD due to matrix interference. No corrective action is required.
- d. Acid Fraction

9. Internal Standard Area/Retention Time Shift Meet Criteria

_____ ✓ _____

Comments:

Internal standard failed in the sample P4791-02 due to the oily matrix of the sample which can be observed by the abnormal chromatogram. Hence no corrective action is required.

10. Extraction Holding Time Met
Internal standard failed even in the rerun samples of P4796-05, P4796-01, P4795-01, P4811-01 and P4816-01 Hence this confirms the matrix interference.

_____ ✓ _____

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 PB164911BS/BSD but their hit is not present in any of the associated samples. The data will be used for hardcopies. The sample P4793-01 had to be analyzed with 50X dilution due to the oily nature of the sample, and even in this diluted sample surrogates failed proving matrix interference which can also be witnessed by the abnormal chromatogram. Hence no corrective action is required.

Analyst

11/14/2024

Date

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