

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

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

ORDER ID: Q2329

MATRIX: Water

METHOD: 8270-Modified/3510

| | NA | NO | YES |
|---|----|----|-----|
| 1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks) | | | ✓ |
| 2. GC/MS Tuning Specifications. DFTPP Meet 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 Requirements. | | | ✓ |
| The Initial Calibration met the requirements. | | | |
| The Continuous Calibration met the requirements. | | | |
| 6. Blank Contamination - If yes, list compounds and concentrations in each blank: | | | ✓ |
| 7. Surrogate Recoveries Meet Criteria | | | ✓ |
| If not met, list those compounds and their recoveries which fall outside the acceptable ranges. | | | |
| The Surrogate recoveries met the acceptable criteria except for TT172S1-20250613MS [Terphenyl-d14 - 134%] and TT172S1-20250613MSD [Terphenyl-d14 - 133%]. The Failure Surrogate is not Associated with DOD Parameter list, Therefore no Corrective Action was taken. | | | |
| 8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. | | | ✓ |
| If not met, list those compounds and their recoveries which fall outside the acceptable range. | | | |
| The MS {Q2329-11MS} with File ID: BN037326.D recoveries met the requirements for all compounds except for 1,4-Dioxane[-24%] . due to matrix interference. | | | |
| The MSD {Q2329-12MSD} with File ID: BN037327.D recoveries met the acceptable requirements except for 1,4-Dioxane[-25%] . due to matrix interference. | | | |
| The Blank Spike met requirements for all samples. | | | |
| 9. Internal Standard Area/Retention Time Shift Meet Criteria | | | ✓ |
| Comments: | | | |

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(CONTINUED)

| | | NA | NO | YES |
|-----|---|----|----|-----|
| 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 sample # TT172S1-20250613MS and TT172S1-20250613MSD is failing for 1,4-Dioxane and the original Sample (TT172S1-20250613) is reported with M flag for this compounds.

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

QA REVIEW

Date