

# **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**

CHEMTECH PROJECT NUMBER: P4934

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 % RSD is greater than 20% in the Initial Calibration (8270Sim-BN112524.M) for 2-Fluorobiphenyl and Terphenyl-d14 but not associated with client parameter list therefore this calibration is used for analysis.  The Continuous Calibration File ID BN035219.D met the requirements except for 2- Fluorobiphenyl, Fluoranthene-d10, Nitrobenzene-d5 and Terphenyl-d14 which are not our target compound, therefore no corrective action taken.  The Continuous Calibration File ID BN035235.D met the requirements except for 2- Fluorobiphenyl and Terphenyl-d14 which are not our target compound, therefore no corrective action taken.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:			✓

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NA NO YES

## 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  
BPOW6-11-20241118 [Nitrobenzene-d5 - 44%, Terphenyl-d14 - 155%],  
BPOW6-7-20241118 [2-Fluorobiphenyl - 22%, Nitrobenzene-d5 - 52%, Terphenyl-d14 - 657%],  
DUP01-20241118 [2-Fluorobiphenyl - 15%, Nitrobenzene-d5 - 45%, Terphenyl-d14 - 702%],  
BPOW6-10-20241119 [Nitrobenzene-d5 - 48%, Terphenyl-d14 - 189%],  
BPOW6-10-20241119MS [2-Fluorobiphenyl - 36%, Nitrobenzene-d5 - 50%, Terphenyl-d14 - 192%],  
BPOW6-10-20241119MSD [Nitrobenzene-d5 - 51%, Terphenyl-d14 - 216%],  
BPOW6-9-20241119 [2-Fluorobiphenyl - 18%, Nitrobenzene-d5 - 47%, Terphenyl-d14 - 668%],  
FB01-20241119 [2-Fluorobiphenyl - 17%, Nitrobenzene-d5 - 53%, Terphenyl-d14 - 1178%],  
BPOW6-8-20241119 [2-Fluorobiphenyl - 21%, Nitrobenzene-d5 - 48%, Terphenyl-d14 - 919%],  
RB-01-20241119 [2-Fluorobiphenyl - 16%, Nitrobenzene-d5 - 49%, Terphenyl-d14 - 1048%],  
DUP02-20241119 [2-Fluorobiphenyl - 16%, Nitrobenzene-d5 - 47%, Terphenyl-d14 - 1163%],  
PB165150BL [2-Fluorobiphenyl - 183% and Nitrobenzene-d5 - 50%] failing surrogates were not associated with client parameter list, therefore no corrective action 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 MSD {P4934-07MSD} with File ID: BN035289.D recoveries met the acceptable requirements except for 1,4-Dioxane[54%] due to matrix interference.  
The Blank Spike met requirements for all samples .

## 9. Internal Standard Area/Retention Time Shift Meet Criteria ✓

Comments:

The Internal Standards Areas met the acceptable requirements except for FB-01-20241119, DUP-02-20241119 failing Internal Standards were not associated with client parameter list, therefore no corrective action taken.

## 10. Extraction Holding Time Met ✓

If not met, list number of days exceeded for each sample:

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**(CONTINUED)**

NA NO YES

11. Analysis Holding Time Met

✓

If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:

This data package has been revised due to client ID changed for sample#01, 04, 09, 11, 12 as per client request.

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

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 <15% 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 > 15% for the Initial Calibration curve for SW-846 analysis.

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QA REVIEW

\_\_\_\_\_  
Date