

# **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: Q2879

MATRIX: Solid

METHOD: 8270E/3541

|    |  | NA | NO | YES |
|----|--|----|----|-----|
| 1. | Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)  |    |    | ✓   |
| 2. | GC/MS Tuning Specifications. DFTPP Meet Criteria.<br>(NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP,<br>CLP AND NJ)  |    |    | ✓   |
| 3. | GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for<br>8000 Series.  |    |    | ✓   |
| 4. | GC/MS Calibration - Initial Calibration performed within 30 days before sample<br>analysis and continuing calibration performed within 24 hours of sample analysis for<br>600 series and 12 hours for 8000 series. |    |    | ✓   |
| 5. | GC/MS Calibration Requirements.<br><br>The Initial Calibration met the requirements.<br>The Continuous Calibration met the requirements.   |    |    | ✓   |
| 6. | Blank Contamination - If yes, list compounds and concentrations in each blank:   |    |    | ✓   |

**GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY****(CONTINUED)**

|     |  | 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 were met for all analysis except for,<br>DRILL CUTTING 1-3 COMPMS [Terphenyl-d14 - 46%],<br>DRILL CUTTING 1-3 COMPMSD [Terphenyl-d14 - 50%],<br>OU4-TS-GRILLO-TSCP03-081425 [Terphenyl-d14 - 38%],<br>OU4-TS-GRILLO-TSCP04-081425 [Terphenyl-d14 - 40%],<br>OU4-TS-GRILLO-TSCP05-081425 [Terphenyl-d14 - 42%],<br>OU4-TS-GRILLO-TSCP06-081425 [Terphenyl-d14 - 44%],<br>OU4-TS-GRILLO-TSCP07-081425 [Terphenyl-d14 - 47%],<br>OU4-TS-GRILLO-TSCP08-081425 [Terphenyl-d14 - 42%],<br>OU4-TS-GRILLO-TSCP10-081425 [Terphenyl-d14 - 48%]. one base surrogate is<br>allowed to fail as per SOP, Therefore no further corrective action was taken. |    |    |     |
|     | And,   |    |    |     |
|     | OU4-TS-GRILLO-TSCP09-081425 [2-Fluorobiphenyl - 40%, Nitrobenzene-d5 - 36%,<br>Terphenyl-d14 - 32%], Surrogates are failed due to matrix interference. The<br>Chromatogram also indicated presence of the non target hydro carbons. Therefore, it<br>was not re-analyzed.  |    |    |     |
| 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 Blank Spike met requirements for all compounds.  |    |    |     |
| 9.  | Internal Standard Area/Retention Time Shift Meet Criteria  |    |    | ✓   |
|     | Comments:  |    |    |     |
| 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:  |    |    |     |

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**(CONTINUED)**

NA NO YES

ADDITIONAL COMMENTS:

As per special requirement for this project form-1 are reported in mg/kg.

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.

The soil samples results are based on a dry weight basis.

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