



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3178

MATRIX: Solid

METHOD: 8081B/3541

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.			✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. 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 EME-TS14-01MS [Decachlorobiphenyl(1)13%, Decachlorobiphenyl(2)15%] but original sample and MSD passing for surrogate therefore no corrective action taken.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
<p>The MS {Q3178-02MS} with File ID: PL097444.D recoveries met the requirements for all compounds except for [4,4-DDE(1)52% - 4,4-DDE(2)49%], [4,4-DDT(1)44% - 4,4-DDT(2)31%], [Aldrin(1)48% - Aldrin(2)51%], [alpha-BHC(1)55% - alpha-BHC(2)57%], [Endosulfan I(1)54% - Endosulfan I(2)45%], [Endosulfan sulfate(1)45% - Endosulfan sulfate(2)33%], [Endrin aldehyde(1)27% - Endrin aldehyde(2)20%], [Endrin ketone(1)52% - Endrin ketone(2)36%], [Endrin(1)50% - Endrin(2)45%], [gamma-BHC (Lindane)(1)41% - gamma-BHC (Lindane)(2)43%], [Heptachlor(1)39% - Heptachlor(2)40%], [Methoxychlor(1)41% - Methoxychlor(2)30%] due to matrix interference.</p> <p>The MSD {Q3178-03MSD} with File ID: PL097445.D recoveries met the requirements for all compounds except for [4,4-DDT(1)50% - 4,4-DDT(2)40%], [Endosulfan sulfate(1)54% - Endosulfan sulfate(2)45%], [Endrin aldehyde(1)27% - Endrin aldehyde(2)20%], [gamma-BHC (Lindane)(1)18% - gamma-BHC (Lindane)(2)17%], [Heptachlor(1)28% - Heptachlor(2)27%], [Methoxychlor(1)46% - Methoxychlor(2)41%] and due to matrix interference.</p> <p>The Blank Spike met requirements for all compounds.</p> <p>The RPD for {Q3178-03MSD} with File ID: PL097445.D met criteria except for 4,4-DDD[31%], 4,4-DDE[27%], Aldrin[27%], alpha-BHC[24%], alpha-Chlordane[23%], beta-BHC[21%], delta-BHC[29%], Dieldrin[26%], Endosulfan II[21%], Endrin ketone[21%], Endrin[23%], gamma-BHC (Lindane)[78%], Heptachlor epoxide[23%] and Heptachlor[33%] due to difference in results of MS and MSD.</p>			
7. Retention Time Shift Meet Criteria (if applicable)			✓
Comments:			
8. Extraction Holding Time Met			✓
If not met, list number of days exceeded for each sample:			
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

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

QA REVIEW

Date