



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

**GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY**

CHEMTECH PROJECT NUMBER: Q1572

MATRIX: Solid

METHOD: 8082A/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. |    |    | ✓   |
| The Initial Calibration met the requirements .  |    |    |     |
| The Continuous Calibration File ID PO109890.D met the requirements except for Decachlorobiphenyl is failing in 2nd column,  |    |    |     |
| The Continuous Calibration File ID PO109904.D met the requirements except for Decachlorobiphenyl is failing in 1st column,  |    |    |     |
| The Continuous Calibration File ID PO109923.D met the requirements except for Decachlorobiphenyl is failing in 2nd column,  |    |    |     |
| above mentioned CCAL failing in one column but another column passing for that therefore no corrective action taken.  |    |    |     |
| 4. Blank Contamination - If yes, list compounds and concentrations in each blank:   |    |    | ✓   |



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**GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)**

|                                       | NA | NO | YES |
|---------------------------------------|----|----|-----|
| 5. 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  
C0AC9 [Decachlorobiphenyl(2) - 250%], C0AC9DL [Decachlorobiphenyl(2) - 347%],  
C0O16 [Decachlorobiphenyl(2) - 229%], C0O16DL [Decachlorobiphenyl(2) - 270%],  
C0O17 [Decachlorobiphenyl(2) - 295%], C0O17DL [Decachlorobiphenyl(2) - 483%],  
C0O18DL [Decachlorobiphenyl(2) - 178%], C0O20 [Decachlorobiphenyl(2) - 232%],  
C0O20DL [Decachlorobiphenyl(2) - 311%], AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken while for,

Samples C0O14DL [Decachlorobiphenyl(2) - 232%, Tetrachloro-m-xylene(1) - 150%,  
Tetrachloro-m-xylene(2) - 167%],  
C0O15DL2 [Decachlorobiphenyl(2) - 190%, Tetrachloro-m-xylene(2) - 159%],  
C0O22 [Decachlorobiphenyl(1) - 1865%, Decachlorobiphenyl(2) - 1454%],  
C0O23 [Decachlorobiphenyl(1) - 222%, Decachlorobiphenyl(2) - 211%], C0O23DL  
[Decachlorobiphenyl(1) - 262%, Decachlorobiphenyl(2) - 272%],  
C0O24 [Decachlorobiphenyl(1) - 249%, Decachlorobiphenyl(2) - 349%], these  
samples required dilution as well due to high concentration therefore samples were  
reanalyzed with dilution and reported while for,

Samples C0AC9DL2 [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%,  
Tetrachloro-m-xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%],  
C0O14DL2 [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-  
m-xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%],  
C0O16DL2 [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-  
m-xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%],  
C0O17DL2 [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-  
m-xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%],  
C0O18DL2 [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-  
m-xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%],  
C0O21DL [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-m-  
xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%],  
C0O22DL [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-m-  
xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%],  
C0O24DL [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-m-  
xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%],  
C0O24DL2 [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-  
m-xylene(1) - 0% and Tetrachloro-m-xylene(2) - 0%] surrogates were diluted out due  
to high dilution, no further corrective action was taken.



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**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.   |    |    |     |
| The MS {Q1572-06MS} with File ID: PP070564.D recoveries met the requirements for all compounds except for AR1016[7313%], AR1260[169%] due to sample matrix interference. |    |    |     |
| The MSD {Q1572-06MSD} with File ID: PP070565.D recoveries met the acceptable requirements except for AR1016[7777%], AR1260[215%] due to sample matrix interference.      |    |    |     |
| The Blank Spike met requirements for all samples .   |    |    |     |
| The RPD for {Q1572-06MSD} with File ID: PP070565.D met criteria except for AR1260[24%] due to difference in results of MS-MSD.   |    |    |     |
| 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.   |    |    |     |

**ADDITIONAL COMMENTS:**

Samples C0AC9, C0AC9DL, C0O14, C0O14DL, C0O15, C0O15DL, C0O16, C0O16DL, C0O17, C0O17DL, C0O18, C0O18DL, C0O19, C0O20, C0O21, C0O22, C0O23, C0O24 and C0O24DL were diluted due to high concentrations.

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

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QA REVIEW

\_\_\_\_\_  
Date