



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1860

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 PO110750.D met the requirements except for Aroclor-1016(Peak-02),Tetrachloro-m-xylene is failing in 1st column but passing but passing in 2nd column therefore no corrective action taken. The Continuous Calibration File ID PO110783.D met the requirements except for Tetrachloro-m-xylene is failing in 1st column but passing but passing in 2nd column therefore no corrective action taken.			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:			✓



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	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
P001-SS007-01 [Decachlorobiphenyl(2) - 215%],
P001-SS007-01DL [Decachlorobiphenyl(1) - 178%],
P001-SS013-01DL [Decachlorobiphenyl(2) - 194%],
P001-SS021-01DL [Decachlorobiphenyl(2) - 192%] as per method one surrogate is allowed to failed, therefore no corrective action was taken and
P001-SS009-01 [Decachlorobiphenyl(1) - 248%, Decachlorobiphenyl(2) - 227%],
P001-SS012-01 [Decachlorobiphenyl(1) - 219%, Decachlorobiphenyl(2) - 202%],
P001-SS012-01DL [Decachlorobiphenyl(1) - 219%, Decachlorobiphenyl(2) - 238%],
P001-SS021-01 [Decachlorobiphenyl(1) - 187%, Decachlorobiphenyl(2) - 193%],
P001-SS025-01 [Decachlorobiphenyl(1) - 250%, Decachlorobiphenyl(2) - 222%],
P001-SS026-01 [Decachlorobiphenyl(1) - 373%, Decachlorobiphenyl(2) - 332%],
P001-SS028-01 [Decachlorobiphenyl(1) - 423%, Decachlorobiphenyl(2) - 358%],
P001-SS035-01 [Decachlorobiphenyl(1) - 179%, Decachlorobiphenyl(2) - 181%],
P001-SS025-01DL [Decachlorobiphenyl(1) - 225%, Decachlorobiphenyl(2) - 240%],
P001-SS026-01DL [Decachlorobiphenyl(1) - 380%, Decachlorobiphenyl(2) - 418%],
P001-SS033-01DL [Decachlorobiphenyl(1) - 181%, Decachlorobiphenyl(2) - 180%],
P001-SS034-01DL [Decachlorobiphenyl(1) - 188%, Decachlorobiphenyl(2) - 254%],
P001-SS035-01DL [Decachlorobiphenyl(1) - 196%, Decachlorobiphenyl(2) - 229%],
P001-SS031-01DL [Decachlorobiphenyl(1) - 247%, Decachlorobiphenyl(2) - 283%],
P001-SS028-01DL [Decachlorobiphenyl(1) - 415%, Decachlorobiphenyl(2) - 434%],
P001-SS008-01 [Decachlorobiphenyl(1) - 204%, Decachlorobiphenyl(2) - 407%,
Tetrachloro-m-xylene(1) - 184%],
P001-SS029-01 [Tetrachloro-m-xylene(1) - 149%, Tetrachloro-m-xylene(2) - 151%],
but these samples were required further dilution as well due to high concentration, therefore original and Dilution analysis were reported and no further corrective action taken also
P001-SS009-01DL [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%,
Tetrachloro-m-xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%],
P001-SS032-01DL2 [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%,
Tetrachloro-m-xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%],
P001-SS035-01DL2 [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%,
Tetrachloro-m-xylene(1) - 0% and Tetrachloro-m-xylene(2) - 0%],
P001-SS031-01DL2 [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%,
Tetrachloro-m-xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%],
P001-SS008-01DL [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%,
Tetrachloro-m-xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%],
These samples having surrogate failure due to bad matrix and samples required dilution, so dilution run was performed and in dilution run also surrogates are failed. no further action required.



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	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 {Q1860-20MS} with File ID: PO110728.D recoveries met the requirements for all compounds except for AR1016[649%], AR1260[316%] due to matrix interference.			
The MSD {Q1860-21MSD} with File ID: PO110729.D recoveries met the acceptable requirements except for AR1016[698%], AR1260[321%] due to matrix interference. The Blank Spike met requirements for all samples .			
The RPD met criteria .			
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 P001-SS006-01, P001-SS007-01, P001-SS008-01, P001-SS009-01, P001-SS012-01, P001-SS013-01, P001-SS016-01, P001-SS017-01, P001-SS017-02, P001-SS019-01, P001-SS020-01, P001-SS021-01, P001-SS023-01, P001-SS025-01, P001-SS026-01, P001-SS028-01, P001-SS029-01, P001-SS030-01, P001-SS031-01, P001-SS031-01DL, P001-SS032-01, P001-SS032-01DL, P001-SS033-01, P001-SS034-01, P001-SS035-01 and P001-SS035-01DL were diluted due to high concentrations.

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

QA REVIEW

Date