

CASE NARRATIVE

Tetra Tech, EMI

Project Name: R37108

Project # N/A

Order ID # Q3672

Test Name: PCB

A. Number of Samples and Date of Receipt:

19 Solid samples were received on 11/19/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: PCB. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_Q. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for

C0AE7 [Decachlorobiphenyl(1)197%, Decachlorobiphenyl(2)200%],

C0AG0 [Decachlorobiphenyl(1)760%, Decachlorobiphenyl(2)705%], Due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported,

C0AE7DL [Decachlorobiphenyl(2)181%], AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken,

C0AE6DL [Decachlorobiphenyl(1)0%, Decachlorobiphenyl(2)0%, Tetrachloro-m-xylene(1)0%, Tetrachloro-m-xylene(2)0%],

C0AE7DL2 [Decachlorobiphenyl(1)0%, Decachlorobiphenyl(2)0%, Tetrachloro-m-xylene(1)0%, Tetrachloro-m-xylene(2)0%],

C0AE8DL [Decachlorobiphenyl(1)0%, Decachlorobiphenyl(2)0%, Tetrachloro-m-xylene(1)0%, Tetrachloro-m-xylene(2)0%],

C0AF9DL [Decachlorobiphenyl(1)0%, Decachlorobiphenyl(2)0%, Tetrachloro-m-xylene(1)0%, Tetrachloro-m-xylene(2)0%],

C0AF9DL2 [Decachlorobiphenyl(1)0%, Decachlorobiphenyl(2)0%, Tetrachloro-m-xylene(1)0%, Tetrachloro-m-xylene(2)0%],

C0AG0DL [Decachlorobiphenyl(1)0%, Decachlorobiphenyl(2)0%, Tetrachloro-m-xylene(1)0%, Tetrachloro-m-xylene(2)0%],

C0AG0DL2 [Decachlorobiphenyl(1)0%, Decachlorobiphenyl(2)0%, Tetrachloro-m-xylene(1)0% and Tetrachloro-m-xylene(2)0%] Due to high concentration of compounds, these samples required dilution, Therefore, sample was reanalyzed with dilution and reported.

The Retention Times were met for all analysis.

The MS {Q3672-01MS} with File ID: PQ071391.D recoveries met the requirements for all compounds except for [AR1016(2)- 175%] due to matrix interference.

The MSD recoveries met the requirements for all compounds.

The RPD for {Q3672-01MSD} with File ID: PQ071392.D met criteria except for [AR1260(1)-24%, AR1260(2)-35%] due to difference in results of MS-MSD.

The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration File ID PQ071486.D met the requirements except for Decachlorobiphenyl is failing in 2nd column however it is passing in 1st column therefore no corrective action taken.

Samples C0AE5, C0AE6, C0AE7, C0AE7DL, C0AE8, C0AF8, C0AF9, C0AF9DL, C0AG0 and C0AG0DL were diluted due to high concentrations.

E. Additional Comments:

For sample #C0AE6 fax was sent, with incorrect peak in column1 for AR1260 in first review, While second reviewing, the peak was corrected ,As fax is already sent, fax and hard copy data not match.

The samples C0AE7 ,C0AG0 few peaks have F flag due to the dirty nature of the matrix, which can be observed by the chromatogram therefore no corrective action is required.

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

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed



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above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____