

## **CASE NARRATIVE**

**Tetra Tech, EMI**  
**Project Name: R37108**  
**Project # N/A**  
**Order ID # Q3694**  
**Test Name: PCB**

### **A. Number of Samples and Date of Receipt:**

16 Solid samples were received on 11/20/2025.

### **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\_O. 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 C0AD8DL [Decachlorobiphenyl(2)185%], Due to high concentration of compounds, this sample required dilution Therefore, sample was reanalyzed with dilution and reported, C0AD8DL2 [Decachlorobiphenyl(1)0%, Decachlorobiphenyl(2)0%, Tetrachloro-m-xylene(1)0% and Tetrachloro-m-xylene(2)0%] Surrogates were diluted out due to the high dilution, no further corrective action was taken.

The Retention Times were met for all analysis.

The MS {Q3694-01MS} with File ID: PO115470.D recoveries met the requirements for all compounds except for [AR1260(1)-8228% - AR1260(2)-7644%] due to matrix interference.

The MSD {Q3694-01MSD} with File ID: PO115471.D recoveries met the requirements for all compounds except for [AR1260(1)-8224% - AR1260(2)-7640%] due to matrix interference.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.



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

The Blank analysis did not indicate the presence of lab contamination.  
The Initial Calibration met the requirements.

The Continuous Calibration File ID PO115365.D met the requirements except for Aroclor-1260(Peak-02) is failing in 1st column however it is passing in 2nd column AND Aroclor-1016(Peak-05) is failing in 2nd column however it is passing in 1st column therefore no corrective action taken.

The Continuous Calibration File ID PO115479.D met the requirements except for Aroclor-1260(Peak-02) is failing in 2nd column however it is passing in 1st column therefore no corrective action taken.

Samples C0AD8, C0AD8DL, C0AE1 and C0AM1 were diluted due to high concentrations.

**E. Additional Comments:**

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.

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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 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\_\_\_\_\_