



284 Sheffield Street, Mountainside, NJ 07092
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CASE NARRATIVE

First Environment, Inc.

Project Name: USACE018-44 DOD

Project # N/A

Order ID # Q2820

Test Name: PCB

A. Number of Samples and Date of Receipt:

24 Solid samples were received on 08/08/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_P. 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 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 met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS {Q2832-03MS} with File ID: PP074344.D recoveries met the requirements for all compounds except for [AR1260(1)153% - AR1260(2)359%] Due to matrix interference. due to matrix interference.

The MSD {Q2832-03MSD} with File ID: PP074345.D recoveries met the acceptable requirements except for [AR1260(1)148% - AR1260(2)354%] Due to matrix interference due to matrix interference.

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The Initial Calibration met the requirements .



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The Continuous Calibration File ID PO112850.D met the requirements except for Aroclor-1016(Peak-01),Tetrachloro-m-xylene is failing in 1st column but passing in 2nd column therefore no corrective action taken.

The Continuous Calibration File ID PO112880.D met the requirements except for Aroclor-1016(Peak-01) is failing in 1st column but passing in 2nd column therefore no corrective action taken.

The Continuous Calibration File ID PP074302.D met the requirements except for Aroclor-1016(Peak-02),Tetrachloro-m-xylene is failing in 2nd column but passing in 1st column therefore no corrective action taken.

E. Additional Comments:

The not QT review data is reported in the Miscellaneous.

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

These sample 705R-S have low surrogate recovery , as a corrective action these sample were re-extracted and reanalyzed with new prebatch(PB169227) and reported new prebatch run.

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 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_____