

CASE NARRATIVE

Core Environmental Consultants and Services, Inc.

Project Name: Bayshore Soil BSM Management

Project # N/A

Order ID # Q2994

Test Name: EPH_NF,PCB,Pesticide-TCL

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 08/29/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested:

. This data package contains results for EPH_NF(NJEPH), PCB(8082A), Pesticide-TCL(8081B).

C. Analytical Techniques:

EPH_NF : The analysis were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analysis were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis were performed on instrument FID_F. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis of EPH_NFs was based on method NJEPH and extraction was done based on method 3541.

PCB : 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 analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

Pesticide-TCL : The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of Pesticide-TCLs was based on method 8081B 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.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

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The RPD were met for all analysis.



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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 met the requirements except following

PCB : The Continuous Calibration File ID PP074791.D met the requirements except for Aroclor-1016(Peak-02),Decachlorobiphenyl is failing in 2nd column however it is passed in 1st column therefore no corrective action was taken.

The Continuous Calibration File ID PP074804.D met the requirements except for

Aroclor-1260(Peak-03),Aroclor-1260(Peak-04),Aroclor-1260(Peak-05),Decachlorobiphenyl is failing in 2nd column however it is passed in 1st column therefore no corrective action was taken.

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.

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_____