

CASE NARRATIVE

Nobis Group**Project Name: Raymark Superfund Site****Project # N/A****Chemtech Project # M1838****Test Name: PCB****A. Number of Samples and Date of Receipt:**

2 Solid samples were received on 03/26/2021.

1 Water sample was received on 03/26/2021.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Herbicide Group1, Ignitability, Mercury, Metals Group1, Metals ICP-Group1, PCB, PESTICIDE Group1, Reactive Cyanide, Reactive Sulfide, SVOCMS Group1, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction and VOCMS Group1. 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 met the acceptable criteria except for

PHC-BEAPT-001 [Decachlorobiphenyl(1) - 832%, Decachlorobiphenyl(2) - 747%, Tetrachloro-m-xylene(1) - 156%],

PHC-BEAPT-001DL [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-m-xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%] and PE-1-A(4.5-5)MS [Decachlorobiphenyl(1) - 131%].

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

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.

The Continuous Calibration met the requirements.



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Samples PHC-BEAPT-001 was diluted due to bad matrix.

Sample PHC-BEAPT-001 was diluted due to high concentration.

E. Additional Comments:

The not QT review data is reported in the Miscellaneous.

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_____