



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

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Chemtech Project # M1838

Test Name: PESTICIDE Group1

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 PESTICIDE Group1.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_D. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HM-G017-11 . The rear column is ZBMR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 7HM-G016-17. The analysis of PESTICIDE Group1s 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 met the acceptable criteria except for

FS-SB13(25-26)MS [Tetrachloro-m-xylene(2) - 133%],

PHC-BEAPT-001 [Decachlorobiphenyl(1) - 547%, Decachlorobiphenyl(2) - 508%],

PHC-BEAPT-001RE [Decachlorobiphenyl(1) - 558% and Decachlorobiphenyl(2) - 449%].

The Retention Times were acceptable for all samples.

The MS recoveries for {M1828-02MS} with File ID: PD061869.D met requirements for all samples except for delta-BHC[28%].

The MSD {M1828-02MSD} with File ID: PD061870.D recoveries met requirements for all samples except for delta-BHC[28%].

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.



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

The Continuous Calibration File ID PD061875.D met the requirements except for alpha-BHC, delta-BHC, gamma-BHC (Lindane), Heptachlor is failing in 1st column however associated samples with no hits and QC's within QC limits.

The Continuous Calibration File ID PD061941.D met the requirements except for alpha-BHC is failing in 2nd column associated samples with no hits.

E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.

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_____