CHEMTECH
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 # M2764
Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 06/18/2021.

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 SVOCMS Group1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOCMS Group1 was based on method 8270E 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 Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS {M2777-01MS} with File ID: BG049032.D recoveries met the requirements for all compounds except for Hexachlorocyclopentadiene[122%], Hexachloroethane[211%] and N-Nitrosodiphenylamine[174%] due to matrix interference.
The MSD {M2777-01MSD} with File ID: BG049033.D recoveries met the acceptable requirements except for Hexachlorocyclopentadiene[122%], Hexachloroethane[216%] and N-Nitrosodiphenylamine[174%] 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 %RSD is greater than 20% for certain compounds in the Initial Calibration (Method 8270E-BG061121.M) Compound 2-Nitroaniline is passing on Quadratic Regression.
The Continuous Calibration File ID BG049028.D met the requirements except for 2,4-Dinitrotoluene .
The Tuning criteria met requirements.

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E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

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_____