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CASE NARRATIVE

Chemtech Consulting Group

Project Name: NJ Soil PT

Project # N/A

Chemtech Project # P4495

Test Name: SVOCMS Group2

A. Number of Samples and Date of Receipt:

25 Solid samples were received on 10/23/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Nitrite, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, TKN, TOC, TS and VOCMS Group1. This data package contains results for SVOCMS Group2.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_N 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 Group2 was based on method 8270-Modified 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 PT-BNA-SOIL [2,4,6-Tribromophenol - 26770%, 2-Fluorobiphenyl - 13941%, 2-Fluorophenol - 18430%, 2-Methylnaphthalene-d10 - 0%, Fluoranthene-d10 - 0%, Nitrobenzene-d5 - 16501%, Phenol-d6 - 20307%, Terphenyl-d14 - 17369%], PT-BNA-SOILDL [2,4,6-Tribromophenol - 17075%, 2-Fluorobiphenyl - 12375%, 2-Fluorophenol - 16325%, 2-Methylnaphthalene-d10 - 0%, Fluoranthene-d10 - 13%, Nitrobenzene-d5 - 13225%, Phenol-d6 - 17588% and Terphenyl-d14 - 17338%], This sample was extracted for full scan analysis and above mention surrogates were not part of full scan extraction therefore no corrective action is required.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.



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The Blank Spike for {PB164402BS} with File ID: BN035094.D met requirements for all samples except for Pentachlorophenol[40%], The failure Compound not associated with the client parameters list, therefore no corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID BN035082.D met the requirements except for 2,4,6-Tribromophenol, marginally low therefore no corrective action was taken.

The Tuning criteria met requirements.

Sample PT-BNA-SOIL was diluted due to high concentration.

E. Additional Comments:

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_____