



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

CASE NARRATIVE

Furino and Sons, Inc.

Project Name: PPE Contamination

Project # N/A

Chemtech Project # P4732

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 11/06/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: CENJ, CENJ-Waste Class, Corrosivity, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, PCB, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP Metals Group2 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_E using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GG. The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The analysis of SVOC-TCL BNA -20 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 except for PB164750BL [2-Fluorophenol - 113%]. Recovery of surrogate is marginally biased high therefore no corrective action was taken.

The Internal Standards Areas met the acceptable requirements except for PPE-COMP due to viscous matrix, which can be observed in the abnormal chromatogram, hence no corrective required.

The Retention Times were acceptable for all samples.

The MS {P4737-01MS} with File ID: BF140300.D recoveries met the requirements for all compounds except for 2-Chlorophenol[109%], Atrazine[145%] due to matrix interference.

The MSD {P4737-01MSD} with File ID: BF140301.D recoveries met the acceptable requirements except for 2,4,6-Trichlorophenol[118%], 2-Chlorophenol[109%], 3+4-Methylphenols[109%], Atrazine[145%] and Benzo(b)fluoranthene[127%] due to matrix interference.

The RPD met criteria .



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The Blank Spike for {PB164750BS} with File ID: BF140288.D met requirements for all samples except for Hexachlorocyclopentadiene[167%] . But associated sample has not positive hit for this compound therefore no corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 20% in the Initial Calibration (8270-BF110524.M) for 2,4-Dinitrophenol, this compound is passing on Linear Regression

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

E. Additional Comments:

The soil samples results are based on a dry weight basis.

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 <20% 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 > 20% 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_____