

CASE NARRATIVE

G Environmental

Project Name: Ave L

Project # N/A

Chemtech Project # Q1574

Test Name: EPH

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 03/14/2025.

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B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for EPH.

C. Analytical Techniques:

The analysis were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis were performed on instrument FID_F. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis of EPHs was based on method NJEPH 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 WC1DL [1-chlorooctadecane (SURR) - 147%], but this sample was required dilution as well due to high concentration, therefore original and Dilution analysis were reported and no further corrective action taken for aliphatic.

The Surrogate recoveries met the acceptable criteria except for WC1DL [2-Bromonaphthalene (SURR) - 0%, 2-Fluorobiphenyl (SURR) - 0% and ortho-Terphenyl (SURR) - 0%] Surrogates were diluted out due to the high dilution. No further corrective action was taken for aromatic.

The Retention Times were acceptable for all samples.

The MS {Q1574-01MS} with File ID: FF015701.D recoveries met the requirements for all compounds except for Aliphatic C16-C21[188%], Aliphatic C21-C28[1641%] and Aliphatic C28-C40[1845%] Due to matrix interference.



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The MS {Q1574-01MS} with File ID: FG015518.D recoveries met the requirements for all compounds except for Aromatic C21-C36[5601%] Due to matrix interference.

The MSD {Q1574-01MSD} with File ID: FF015702.D recoveries met the acceptable requirements except for Aliphatic C16-C21[195%], Aliphatic C21-C28[1782%] and Aliphatic C28-C40[2028%] Due to matrix interference .

The MSD {Q1574-01MSD} with File ID: FG015519.D recoveries met the acceptable requirements except for Aromatic C21-C36[4736%] Due to matrix interference .

The RPD for {Q1574-01MSD} with File ID: FG015519.D met criteria except for Aromatic C12-C16[48.8%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate 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 .

Samples WC1 and WC1DL were diluted due to high concentrations For aliphatic.

Samples WC1 and were diluted due to high concentrations For aromatic.

E. Additional Comments:

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_____