

CASE NARRATIVE

VERINA CONSULTING GROUP, LLC

Project Name: Rehabilitation of the Major Deegan

Project # N/A

Chemtech Project # M2090

Test Name: EPH

A. Number of Samples and Date of Receipt:

23 Solid samples were received on 04/19/2021.

1 Water sample was received on 04/19/2021.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Cyanide, Diesel Range Organics, EPH, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20, SVOCMS Group1, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOCMS Group3. This data package contains results for EPH.

C. Analytical Techniques:

The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analyses were performed on instrument FID_D. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. 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 SEDGWICK-COMP-2 [1-chlorooctadecane (SURR) - 37%], SEDGWICK-COMP-2DL [1-chlorooctadecane (SURR) - 36%], SEDGWICK-COMP-3DL [1-chlorooctadecane (SURR) - 37%], SEDGWICK-COMP-4 [1-chlorooctadecane (SURR) - 36%] and SEDGWICK-COMP-4DL [1-chlorooctadecane (SURR) - 31%].

The Retention Times were acceptable for all samples.

The MS {M2090-22MS} with File ID: FC053317.D recoveries met the requirements for all compounds except for Aliphatic C28-C40[11%].

The MSD {M2090-22MSD} with File ID: FC053318.D recoveries met the acceptable requirements except for Aliphatic C28-C40[20%].

The RPD met criteria.

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.



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The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.

Samples SEDGWICK-COMP-2, SEDGWICK-COMP-3 and SEDGWICK-COMP-4 were diluted due to high concentrations.

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_____