



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

CASE NARRATIVE

Roux Associates, Inc.

Project Name: 2968.0006J004_Duke Bayonne

Project # N/A

Chemtech Project # N2077

Test Name: EPH

A. Number of Samples and Date of Receipt:

16 Solid samples were received on 03/23/2022.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Cyanide, EPH, Ignitability, Mercury, Metals ICP-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCL+30/TAL, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOC-TCLVOA-10. This data package contains results for EPH.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_D. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HM-G017-11 . The rear column is ZBMR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 7HM-G016-17. 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 analysis were performed on instrument FID_E. 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

WC-14A-4DL [1-chlorooctadecane (SURR) - 0%],

WC-14A-3-1DL [2-Fluorobiphenyl (SURR) - 30%] and

WC-14A-3-1DL2 [1-chlorooctadecane (SURR) - 0%].

The Retention Times were acceptable for all samples except for WC-14A-4DL and WC-14A-3-1DL2 for Aliphatic samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

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.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.



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

Sample WC-14A-3-1, WC-14A-3-1DL, WC-14A-3-2, WC-14A-3-3, WC-14A-4 were diluted due to high concentration for Aliphatic compounds.

Sample WC-14A-3-1, WC-14A-3-2, WC-14A-3-3, WC-14A-4 were diluted due to high concentration for Aromatic compounds.

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_____