



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 # N2254

Test Name: TPH GC

A. Number of Samples and Date of Receipt:

13 Solid samples were received on 04/04/2022.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Cyanide, Gasoline Range Organics, Hexavalent Chromium, Ignitability, Mercury, Metals Group3, Metals Group4, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-PAH, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TPH GC and VOC-BTEX. This data package contains results for TPH GC.

C. Analytical Techniques:

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 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 of TPH GC was based on method 8015D 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-1A-4-1 [TETRACOSANE-d50 - 0%],

WC-14A-1A-4-2 [TETRACOSANE-d50 - 0%] and

WC-14A-1A-4-3 [TETRACOSANE-d50 - 0%].

The Retention Times were acceptable for all samples except for WC-14A-1A-4-1, WC-14A-1A-4-2 and WC-14A-1A-4-3.

The MS {N2254-05MS} with File ID: FG009527.D recoveries met the requirements for all compounds except for Petroleum Hydrocarbons[-7043.1%] due to sample is extremely bad matrix.

The MSD {N2254-05MSD} with File ID: FG009528.D recoveries met the acceptable requirements except for Petroleum Hydrocarbons[-7299.7%] due to sample is extremely bad matrix.

The RPD met criteria.

The Blank Spike met requirements for all samples.

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

The Initial Calibration met the requirements.



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The Continuous Calibration met the requirements.

Samples WC-14A-1A-4-1, WC-14A-1A-4-2 and WC-14A-1A-4-3 were diluted due to high concentrations.

E. Additional Comments:

Samples WC-14A-1A-4-1, WC-14A-1A-4-2 and WC-14A-1A-4-3 original run reported as screening Data.

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_____