

CASE NARRATIVE

ENTACT

Project Name: Former PSEG Hudson Gen Station

Project # N/A

Chemtech Project # M2603

Test Name: TPH GC

A. Number of Samples and Date of Receipt:

28 Solid samples were received on 06/03/2021.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, Corrosivity, Diesel Range Organics, Ignitability, Oil and Grease, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals+Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP Metals Group1, TPH GC, TS and TVS. This data package contains results for TPH GC.

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 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 FAM4-WC2 [TETRACOSANE-d50 - 161%].

The Retention Times were acceptable for all samples.

The MS {M2613-13MS} with File ID: FG008214.D recoveries met the requirements for all compounds except for Petroleum Hydrocarbons[-12%] due to sample matrix interference.

The MSD {M2613-13MSD} with File ID: FG008215.D recoveries met the acceptable requirements except for Petroleum Hydrocarbons[-11%] due to sample matrix interference.

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.

The Continuous Calibration met the requirements.

Samples FAM4-WC2, FAM4-WC3, FAM4-WC4, FAM4-WC5, FAM4-WC6 and FAM4-WC7 were diluted due to high concentrations.



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E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.

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

Samples FAM4-WC2, FAM4-WC3, FAM4-WC4, FAM4-WC5, FAM4-WC6 and FAM4-WC7 original run is 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_____