



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

CASE NARRATIVE

ENTACT

Project Name: Former PSEG Hudson Gen Station

Project # N/A

Chemtech Project # M2603

Test Name: Diesel Range Organics

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, TCLPMetals Group1, TPH GC, TS and TVS. This data package contains results for Diesel Range Organics.

C. Analytical Techniques:

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 Diesel Range Organics 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 - 184%].

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD {M2603-25MSD} with File ID: FE033915.D recoveries met the acceptable requirements except for DRO[63%].

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-WC4 and FAM4-WC5 were diluted due to high concentrations.

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.



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Samples FAM4-WC2, FAM4-WC4 and FAM4-WC5 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_____