

CASE NARRATIVE**D&B Engineers and Architects, P.C.****Project Name: Marshall St Investigation - Hudson Ave - 5324****Project # N/A****Chemtech Project # N1381****Test Name: TPH GC****A. Number of Samples and Date of Receipt:**

12 Solid samples were received on 02/02/2022.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20, TPH GC and VOC-TCLVOA-10. 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 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

DB-05(20-22)-02-01-22 [TETRACOSANE-d50 - 0%],

DB-06(15-20)-02-01-22 [TETRACOSANE-d50 - 0%],

DB-11(15-20)-02-02-22 [TETRACOSANE-d50 - 0%] and

DB-09(10-15)-02-02-22 [TETRACOSANE-d50 - 0%]. Surrogates were diluted out due to the high dilution. No further corrective action was taken.

The Retention Times were acceptable for all samples except for DB-05(20-22)-02-01-22, DB-06(15-20)-02-01-22, DB-11(15-20)-02-02-22 and DB-09(10-15)-02-02-22.

The MS {N1381-11MS} with File ID: FF009849.D recoveries met the requirements for all compounds except for Petroleum Hydrocarbons[-11%] due to matrix interference.

The MSD {N1381-12MSD} with File ID: FF009850.D recoveries met the acceptable requirements except for Petroleum Hydrocarbons[-10.%] due to 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.



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Samples DB-05(20-22)-02-01-22, DB-06(15-20)-02-01-22, DB-11(15-20)-02-02-22, DB-07(13.5-15)-02-02-22 and DB-09(10-15)-02-02-22 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.

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_____