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CASE NARRATIVE

ENTACT

Project Name: 540 Degraw St, Brooklyn, NY - E9309

Project # N/A

Order ID # Q2580

Test Name: SVOC-PAH

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 07/10/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-PAH. This data package contains results for SVOC-PAH.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-PAH was based on method 8270-Modified and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for WC-URBAN-FILL-B2DL [2,4,6-Tribromophenol - 0%, 2-Fluorobiphenyl - 0%, 2-Fluorophenol - 0%, 2-Methylnaphthalene-d10 - 0%, Fluoranthene-d10 - 0%, Nitrobenzene-d5 - 0%, Phenol-d6 - 0% and Terphenyl-d14 - 0%], DMC recovery do not apply for samples that have been diluted therefore no corrective action was taken.

The Internal Standards Areas were met for all analysis except for WC-URBAN-FILL-B2MS and WC-URBAN-FILL-B2MSD, due to concentrated matrix therefore no corrective action was taken.

The Retention Times were met for all analysis.

The MS {Q2580-02MS} with File ID: BN037491.D recoveries met the requirements for all compounds except for 2-Methylnaphthalene[-71%], Acenaphthene[-355%], Acenaphthylene[-71%], Anthracene[-709%], Benzo(a)anthracene[-709%], Benzo(a)pyrene[-709%], Benzo(b)fluoranthene[-709%], Benzo(g,h,i)perylene[-709%], Benzo(k)fluoranthene[-213%], Chrysene[-709%], Dibenz(a,h)anthracene[-142%], Fluoranthene[-1418%], Fluorene[-213%], Indeno(1,2,3-cd)pyrene[-709%], Naphthalene[-496%], Phenanthrene[-2837%] and Pyrene[-2128%], These compounds did not meet the NJDKQP criteria and in-house criteria ,due to matrix interference.

The MSD {Q2580-02MSD} with File ID: BN037492.D recoveries met the requirements for all compounds except for 2-Methylnaphthalene[-71%], Acenaphthene[-284%], Anthracene[-709%], Benzo(a)anthracene[-1418%], Benzo(a)pyrene[0%], Benzo(b)fluoranthene[-709%], Benzo(g,h,i)perylene[-709%], Benzo(k)fluoranthene[142%], Chrysene[0%], Dibenz(a,h)anthracene[-71%], Fluoranthene[709%], Fluorene[-142%], Indeno(1,2,3-cd)pyrene[0%], Naphthalene[-496%], Phenanthrene[-2128%] and Pyrene[-2837%], these compounds did not meet the NJDKQP criteria and in-house criteria, due to matrix interference.

The RPD for {Q2580-02MSD} with File ID: BN037492.D met criteria except for Benzo(a)anthracene[67%], Benzo(a)pyrene[200%], Benzo(k)fluoranthene[1000%], Chrysene[200%], Dibenz(a,h)anthracene[67%], Fluoranthene[600%], Fluorene[40%], Indeno(1,2,3-cd)pyrene[200%], these compounds did not meet the NJDKQP criteria and in-house criteria. While Acenaphthene[22%], Phenanthrene[29%] and Pyrene[29%], these compounds met the NJDKQP criteria but did not meet the in-house criteria, due to difference in results of MS and MSD.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

Samples WC-URBAN-FILL-B2, WC-URBAN-FILL-B2MS and WC-URBAN-FILL-B2MSD were diluted due to bad matrix.

Sample WC-URBAN-FILL-B2 was diluted due to high concentration.

E. Additional Comments:

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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



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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_____