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CASE NARRATIVE

First Environment, Inc.

Project Name: White Plains Housing Authority - WPHA006

Project # N/A

Order ID # Q2553

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

6 Water samples were received on 07/09/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The samples were analyzed on instrument BNA_P 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-TCL BNA -20 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for AOC-203 [2,4,6-Tribromophenol - 114%], FB [2,4 and 6-Tribromophenol - 128%], this compound did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike for {PB168816BS} with File ID: BM050434.D met requirements for all compounds except for 4-Chloroaniline[47%], this compound did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike Duplicate for {PB168816BSD} with File ID: BM050435.D met requirements for all compounds except for 3-Nitroaniline[66%], 4-Chloroaniline[41%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.



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

The % RSD is greater than 20% in the Initial Calibration (8270-BM070825.M) for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4-Nitroaniline, 4,6-Dinitro-2-methylphenol, these compounds are passing on Linear Regression.

The % RSD is greater than 20% in the Initial Calibration (8270-BP070325.M) for 2-Nitrophenol, 2-Nitroaniline, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol, Butylbenzylphthalate, Di-n-octyl phthalate, these compounds are passing on Linear Regression.

The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

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 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_____