284 Sheffield Street, Mountainside, NJ 07092
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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2250
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
7 Water samples were received on 06/05/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS and VOCMS Group3. This data package contains results for SVOC-SIMGroup1.

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-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for MW-06-6.5-060525 [Terphenyl-d14 - 136%] and EB02-060525 [Terphenyl-d14 - 137%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {Q2250-02MS} with File ID: BN037192.D recoveries met the requirements for all compounds except for 1,4-Dioxane[167%] . This compound did not meet the NJDKQP criteria but met the in-house criteria.

The MSD {Q2250-03MSD} with File ID: BN037193.D recoveries met the acceptable requirements except for 1,4-Dioxane[200%] . This compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The RPD met criteria.
The Blank Spike met requirements for all samples.

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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.

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_____