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

CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Chemtech Project # Q1790
Test Name: VOCMS Group4

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 04/10/2025.
2 Water samples were received on 04/10/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group4. This data package contains results for VOCMS Group4.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group4 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements except for S-872-G1-SO-20.0-20.5-041025MSD passing in parent sample and MS therefore no corrective action taken.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD {Q1790-03MSD} with File ID: VY021896.D recoveries met the acceptable requirements except for Trichloroethene[176%] due to matrix interference.

The RPD for {Q1790-03MSD} with File ID: VY021896.D met criteria except for Trichloroethene[33%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples.
The Blank Spike Duplicate 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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The Tuning criteria met requirements.

E. Additional Comments:
Trip Blank was not provided with this set of samples.

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

S-871-G1-SO-23.0-23.5-041025 and S-870-G1-SO-22.0-22.5-041025 were directly run in methanol due to high concentration of Trichloroethene.

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_____