



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**

**Order ID # Q2869**

**Test Name: VOCMS Group3**

### **A. Number of Samples and Date of Receipt:**

7 Water samples were received on 08/13/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: VOCMS Group3. This data package contains results for VOCMS Group3.

### **C. Analytical Techniques:**

The analysis performed on instrument MSVOA\_X were done using GC column DB-624UI 20m 0.18mm 1.0 um . Cat#121-1324UI. The analysis of VOCMS Group3 was based on method 8260D.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

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 met requirements for all compounds.

The Blank Spike Duplicate 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 MW-19B-71.5-081325, MW-11A-13.5-081325, MW-19B-71.5-081325-FD, All these samples were run at straight dilution after checking past history of these samples containing high amounts of compounds cis-1,2-Dichloroethene and Trichloroethene.

Sample MW-11A-13.5-081325 was diluted due to high concentration.



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**E. Additional Comments:**

The SIM analysis is not required for the sample MW-19B-71.5-081325-SIM as all the SIM target analytes are detected at or above the sample adjusted CRQLs in the full scan analysis, a SIM analysis is not to be performed for that sample."

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

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.

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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 \_\_\_\_\_