



284 Sheffield Street, Mountainside, NJ 7092, 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 # Q3813**

**Test Name: VOCMS Group3,VOC-SIM,SVOC-SIMGroup1**

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

5 Water samples were received on 12/08/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: VOCMS Group3,VOC-SIM,SVOC-SIMGroup1. This data package contains results for VOCMS Group3(8260-Low),VOC-SIM(SFAM\_VOCSIM),SVOC-SIMGroup1(8270-Modified).

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

VOC-SIM : The analysis performed on instrument MSVOA\_V were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOC-SIM was based on method SFAM\_VOCSIM.

VOCMS Group3 : The analysis performed on instrument MSVOA\_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group3 was based on method 8260-Low.

SVOC-SIMGroup1 : 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-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 were met for all analysis.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD recoveries met criteria.

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.



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The Continuous Calibration met the requirements except following VOCMS Group3 : The Continuous Calibration File ID VN088487.D met the requirements except for 1,2-Dichloroethane-d4,4-Bromofluorobenzene and Dibromofluoromethane which are not our target compound, therefore no corrective action taken while 1,2-Dichloroethane failing high and associate sample #01 having positive hit therefore as corrective action lab reanalyzed sample where carryover check showed a high Trichloroethene value exceeding the acceptable carryover limit, Only two vials were available for analysis, which limited the ability to perform additional repeat or confirmatory testing, therefore lab reported first analysis as final and second analysis provided as screening data in miscellaneous section.

The Tuning criteria met requirements.

**E. Additional Comments:**

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

VOCMS Group3 : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

**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\_\_\_\_\_