



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 # Q1478

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 02/28/2025.

8 Water samples were received on 02/28/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Flash Point, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-RCRA, METALS RCRA, PCB, pH, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA, TCLP ZHE Extraction and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

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 VOC-TCLVOA-10 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.

The Retention Times were acceptable for all samples.

The RPD met criteria .

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 File ID VX045100.D met the requirements except for Chloroethane, Methylcyclohexane and t-1,3-Dichloropropene are failing high but no positive hit in associate samples therefore no corrective action taken.

The Tuning criteria met requirements.



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Samples IDW-AQ-DRUM-612-022825 was diluted due to past history of this sample containing high amounts of Trichloroethene.

Samples IDW-AQ-DRUM-610-022825, IDW-AQ-DRUM-616-022825 and IDW-AQ-DRUM-614-022825 were diluted due to high concentrations.

The Sample IDW-AQ-DRUM-610-022825, IDW-AQ-DRUM-616-022825, IDW-AQ-DRUM-614-022825 and IDW-AQ-DRUM-612-022825 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

E. Additional Comments:

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

Trip Blank was not provided with this set of samples.

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_____