



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: TCLP VOA**

### **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 TCLP VOA.

### **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 TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

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

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for

BR-05-465-030525MS [Dibromofluoromethane - 0%],

BR-05-465-030525MSD [Dibromofluoromethane - 0%] these compounds did not meet the NJDKQP criteria and in-house criteria, MS and MSD surrogate failure confirm with parent sample.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {Q1501-05MS} with File ID: VX045163.D recoveries met the requirements for all compounds except for 1,1-Dichloroethene[140%] this compound did not meet the NJDKQP criteria but met the in-house criteria, while Tetrachloroethene[178%] and Trichloroethene[190%] these compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The MSD {Q1501-06MSD} with File ID: VX045164.D recoveries met the acceptable requirements except for 1,1-Dichloroethene[146%], this compounds did not meet the



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NJDKQP criteria but met the in-house criteria, while Tetrachloroethene[171%] and Trichloroethene[183%] these compounds 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.

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.

The Tuning criteria met requirements.

**E. Additional Comments:**

Samples for MS/MSD for VOC analysis were not provided with this set of samples therefore lab used from another project.

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.

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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\_\_\_\_\_