

## **CASE NARRATIVE**

### **G Environmental**

**Project Name: Capra**

**Project # N/A**

**Order ID # Q2363**

**Test Name: VOC-TCLVOA-10**

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

1 Solid sample was received on 06/18/2025.

1 Water sample was received on 06/18/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: EPH\_F2, Metals Group3, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

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

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 performed on instrument MSVOA\_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The 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 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 except for GCAP1 [4-Bromofluorobenzene - 165%], GCAP1ME [Toluene-d8 - 141%]. These compounds did not meet the NJDKQP criteria and in-house criteria. Due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike for {VN0620WBS01} with File ID: VN087125.D met requirements for all samples except for Methyl Acetate[69%] . This compound did not meet the NJDKQP criteria but met the in-house criteria

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.



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The Initial Calibration met the requirements .  
The Continuous Calibration met the requirements .  
The Tuning criteria met requirements.

Samples GCAP1, GCAP1W were diluted due to high concentrations.

**E. Additional Comments:**

The fax and hardcopy is not matching for sample GCAP1ME. After fax, at the time of second review lab noticed final volume was taken incorrect in data process therefore data reprocessed with correct volume and reported. Hard copy is reported correct.

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.

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

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\_\_\_\_\_