

## **CASE NARRATIVE**

**Weston Solutions, Inc.**

**Project Name: RFP 905**

**Project # N/A**

**Order ID # Q3447**

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

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

8 Solid samples were received on 10/23/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: 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 were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD for { VY1103SBSD01 } with File ID: VY023650.D met criteria except for Methyl Acetate[22%] due to difference in results of BS and BSD.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate for { VY1103SBSD01 } with File ID: VY023650.D met requirements for all compounds except for 2-Butanone[140%] is failing high but no positive hit in associate sample therefore no corrective action taken.

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

The Initial Calibration met the requirements.

The Continuous Calibration File ID VN088173.D met the requirements except for 2-Hexanone is failing high but no positive hit in associate sample therefore no corrective action taken.



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The Continuous Calibration File ID VY023647.D met the requirements except for Isopropylbenzene and Methyl Acetate are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Samples P001-TW1-251023-01, P001-TW3-251023-01 and P001-TW4-251023-01 were analyzed at straight medium level ,as samples looks bad as we extract from methanol vial.

**E. Calculation:**

Low Level Soil Calculation in ug/Kg dry weight basis

$$\frac{(A_x)(I_s)(D_f)}{(A_{is})(RRF)(W_s)(D)}$$

$$(A_{is})(RRF)(W_s)(D)$$

Where

A<sub>x</sub> = Area for the compound to be measured

A<sub>is</sub> = Area for the specific internal standard

I<sub>s</sub> = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the initial calibration curve standard.

D<sub>f</sub> = Dilution factor

W<sub>s</sub> = Weight of sample

$$D = \frac{100 - \% \text{moisture}}{100}$$

**F. 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.

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

**G. 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\_\_\_\_\_