

## **CASE NARRATIVE**

### **G Environmental**

**Project Name: Amsterdam**

**Project # N/A**

**Order ID # Q1939**

**Test Name: VOCMS Group1**

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

6 Solid samples were received on 05/01/2025.

#### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: EPH\_NF, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for VOCMS Group1.

#### **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\_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOCMS Group1 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 %RSD is greater than 20% in the Initial Calibration method (82N041525W.M) for Acetone, this compound is passing on Linear Regression.

The %RSD is greater than 20% in the Initial Calibration method (82Y042225S.M) for Acetone, this compound is passing on Linear Regression.

The Continuous Calibration File ID VN086478.D met the requirements except for Bromomethane . But associated samples have not positive hit for this compound therefore no corrective action was taken.

The Continuous Calibration File ID VN086504.D met the requirements except for Carbon Disulfide, Cyclohexane and Vinyl Chloride . Affected sample was reanalyzed, Original and rerun both are reported.



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The Continuous Calibration File ID VN086553.D met the requirements except for Bromomethane, Cyclohexane, Methyl Acetate and Dibromofluoromethane. Affected sample was reanalyzed, Original and rerun both are reported.

The Tuning criteria met requirements.

Samples GB3B was analyzed straight in MEOH due to Sample has strong odor not allowing low level soil run.

**E. Additional Comments:**

The Samples GB1, GB2, have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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\_\_\_\_\_