

## **CASE NARRATIVE**

### **M2 Associates**

**Project Name: 143 Red Lion Rd Southampton Twp, NJ**

**Project # N/A**

**Order ID # Q3201**

**Test Name: VOCMS Group2**

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

8 Water samples were received on 09/25/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: VOCMS Group2. This data package contains results for VOCMS Group2.

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

The analysis performed on instrument MSVOA\_V were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. 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 VOCMS Group2 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 were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

The %RSD is greater than 20% in the Initial Calibration method (82V092225W.M) for 2-Hexanone passing on Linear regression and Chloroethane, Acetone, Methylene Chloride, Styrene, 1,2-Dibromo-3-Chloropropane are passing on Quadratic Regression.

The Continuous Calibration File ID VV039242.D met the requirements except for Bromoform is failing high but no positive hit in associate sample while Ethyl Benzene, m/p-Xylenes, o-Xylene, Toluene these compounds failing high, associated sample required dilution due to high concentration of compounds Therefore, sample was reanalyzed with dilution and reported and 4-Bromofluorobenzene which is not our target compound therefore no corrective action taken.

The Continuous Calibration File ID VV039265.D met the requirements except for Bromomethane, Carbon Disulfide, Chloromethane, Cyclohexane,



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Dichlorodifluoromethane is failing low but only dilution sample analyzed under this CCAL and dilution not required for mentioned analyte while 1,2-Dichloroethane-d4 and Toluene-d8 which is not our target compound therefore no corrective action taken.

The Continuous Calibration File ID VX048009.D met the requirements except for Tert butyl alcohol is failing marginally low therefore no corrective action taken.  
The Tuning criteria met requirements.

Samples MW1, MW3 has been analyzed at straight dilution as per previous history on the sample.

Samples MW6, MW14 and MW1 were diluted due to high concentrations.

**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.

**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\_\_\_\_\_