

## **CASE NARRATIVE**

### **M2 Associates**

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

**Project # N/A**

**Chemtech Project # P4770**

**Test Name: VOCMS Group2**

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

5 Water samples were received on 11/07/2024.

### **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\_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868. 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 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 for {VN1113WBS01} with File ID: VN084822.D met requirements for all samples except for Methyl Acetate[67%] 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.

The %RSD is greater than 20% in the Initial Calibration method (82N103024W.M) for Methyl Acetate, Acetone, Chloroethane, Chloromethane these compounds are passing on Linear Regression while, 1,4-Dichlorobenzene this compound is passing on Quadratic Regression.

The Continuous Calibration File ID VN084935.D met the requirements except for 1,2,4-Trichlorobenzene and Carbon Disulfide are failing marginally low therefore no corrective action taken.



284 Sheffield Street, Mountainside, NJ 07092  
Phone: 908 789 8900 Fax: 908 789 8922

The Continuous Calibration File ID VN084960.D met the requirements except for 2-Hexanone and 4-Methyl-2-Pentanone are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Samples MW-1, MW-3 and MW-10 were diluted due strong odor of gasoline.

**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.

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\_\_\_\_\_