



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

## **CASE NARRATIVE**

### **EA Engineering Science & Technology**

**Project Name: Scotia, NY - Annual Testing**

**Project # N/A**

**Chemtech Project # P4846**

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

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

17 Water samples were received on 11/14/2024.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved Metals Group5, Gases, Metals Group3, TOC and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

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

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 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.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD {P4846-07MSD} with File ID: VX043997.D recoveries met the acceptable requirements except for Trichloroethene[72%] due to matrix interference.

The sample # FSND-MW-EVAL-04D-20241113MSD is failing for Trichloroethene and the original sample (FSND-MW-EVAL-04D-20241113) is reported with M flag for this compound.

The RPD met criteria .

The Blank Spike 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 (82X112124W.M) for Bromoform this compound are passing on Quadratic Regression.

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.



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Samples FSND-MW-EVAL-03D-20241113, FSND-MW-EVAL-01D-20241113 were diluted due to high concentrations.

**E. Additional Comments:**

The Samples #FSND-MW-EVAL-03D-20241113DL, FSND-MW-EVAL-03S-20241113, FSND-MW-EVAL-04D-20241113, FSND-MW-24-20241113 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

The not QT review data is reported in the Miscellaneous.

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\_\_\_\_\_