



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

## **CASE NARRATIVE**

**AECOM**

**Project Name: National Grid Equity - Brooklyn NY**

**Project # N/A**

**Order ID # Q2924**

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

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

12 Water samples were received on 08/20/2025.

### **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\_V 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 were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q2924-03MS} with File ID: VV039005.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[58%], 1,2-Dibromoethane[80%], 1,2-Dichloroethane[360%], 1,2-Dichloropropane[82%], 2-Hexanone[64%], Benzene[-200%], cis-1,2-Dichloroethene[40%], Ethyl Benzene[0%], Isopropylbenzene[70%], m/p-Xylenes[-100%], o-Xylene[-600%], Styrene[-200%], Toluene[-200%] and trans-1,2-Dichloroethene[20%] due to matrix interference.

The MSD {Q2924-04MSD} with File ID: VV039006.D recoveries met the requirements for all compounds except for 1,2-Dichloroethane[360%], 2-Hexanone[68%], Benzene[-200%], cis-1,2-Dichloroethene[60%], Ethyl Benzene[0%], m/p-Xylenes[-100%], o-Xylene[0%], Styrene[0%] and Toluene[-400%] due to matrix interference.

The RPD for {Q2924-04MSD} with File ID: VV039006.D met criteria except for 1,1,2,2-Tetrachloroethane[50%], 1,2-Dibromo-3-Chloropropane[29%], Acetone[21%], Ethyl Benzene[200%], o-Xylene[200%], Styrene[200%], Bromoform[32%], Bromomethane[22%], Chloromethane[41%], cis-1,2-Dichloroethene[40%], Isopropylbenzene[42%], Methyl Acetate[26%], Methylene Chloride[21%],

Toluene[67%], trans-1,2-Dichloroethene[120%] and Vinyl chloride[37%] due to difference in results of MS and MSD.

The Blank Spike for { VV0822WBS01 } with File ID: VV039011.D met requirements for all compounds except for Bromochloromethane[126%], Methyl Acetate[135%], Methyl tert-butyl Ether[118%] are failing high but no positive hit in associate sample while trans-1,2-Dichloroethene[109%] failing high and associate sample having hit of trans-1,2-Dichloroethene but below CRQL therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.  
The %RSD is greater than 20% in the Initial Calibration method (82V082125W.M) for Bromochloromethane, 2-Hexanone these compounds are passing on Quadratic regression.

The Continuous Calibration File ID VV038982.D met the requirements except for Methyl Acetate is failing high but no positive hit in associate sample therefore no corrective action taken while Styrene is failing marginally high therefore no corrective action taken.

The Continuous Calibration File ID VV039009.D met the requirements except for Bromomethane and Chloromethane are failing low, while 2-Butanone, Acetone, Methyl Acetate and Methyl tert-butyl Ether failing high but only dilution sample analyzed under this CCAL and dilution not required for mentioned analyte therefore no corrective action taken.

The Tuning criteria met requirements.

Samples MW-201-082025, MW-201-082025DL, MW-2B-082025 and MW-2B-082025DL were diluted due to high concentrations.

**E. Additional Comments:**

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.



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

---

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\_\_\_\_\_