



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

## **CASE NARRATIVE**

**Tully Construction Co., Inc.**

**Project Name: MTA Rockaway Park**

**Project # N/A**

**Chemtech Project # P5279**

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

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

3 Solid samples were received on 12/13/2024.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-PAH, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TPH GC and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

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

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 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 RPD for { VY1220SBSD01 } with File ID: VY020667.D met criteria except for 1,1-Dichloroethane[42%], 1,2-Dibromo-3-Chloropropane[49%], Carbon disulfide[22%], Methyl Acetate[25%], Methyl tert-butyl Ether[33%], Methylene Chloride[28%], t-1,3-Dichloropropene[40%] and trans-1,2-Dichloroethene[40%] due to difference in results of BS and BSD.

The Blank Spike for { VY1220SBS01 } with File ID: VY020666.D met requirements for all samples except for 1,1,2-Trichlorotrifluoroethane[80%], Chloroethane[68%] failing marginally low while 1,2-Dibromo-3-Chloropropane[175%] and t-1,3-Dichloropropene[162%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike Duplicate for { VY1220SBSD01 } with File ID: VY020667.D met requirements for all samples except for 1,1,2-Trichlorotrifluoroethane[71%], 1,1-Dichloroethane[70%], 1,1-Dichloroethene[70%], Acetone[56%],



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Bromochloromethane[79%], Methyl Acetate[59%], Methyl tert-butyl Ether[72%] and trans-1,2-Dichloroethene[72%] are failing low therefore as corrective action lab reanalyzed sample but did not purge therefore lab reported sample under failing blank spike duplicate, Also associate CCAL is passing for all analyte.

The Blank analysis did not indicate the presence of lab contamination.  
The %RSD is greater than 20% in the Initial Calibration method (82Y121724S.M) for Acetone, Chloroform these compounds are passing on Linear Regression.

The Continuous Calibration File ID VY020664.D met the requirements except for Bromomethane failing marginally low therefore no corrective action taken.

The Tuning criteria met requirements.

**E. Additional Comments:**

As per special requirement for this project form-1 are reported in mg/kg.  
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\_\_\_\_\_