

## **CASE NARRATIVE**

### **AECOM**

**Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206**

**Project # N/A**

**Order ID # Q3395**

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

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

6 Solid samples were received on 10/17/2025.

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

The Internal Standards Areas were met for all analysis except for PR132-S07-000102-20251017MS, PR132-S07-000102-20251017MSD due to matrix interference.

The Retention Times were met for all analysis.

The MS {Q3395-03MS} with File ID: VW032400.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[275%], 1,2-Dibromo-3-Chloropropane[180%], 1,3-Dichlorobenzene[49%], 1,4-Dichlorobenzene[52%], 2-Butanone[202%], Acetone[260%], Carbon Tetrachloride[34%], cis-1,3-Dichloropropene[37%] and Methyl Acetate[729%] due to matrix interference.

The MSD {Q3395-04MSD} with File ID: VW032401.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[192%], 1,2-Dibromo-3-Chloropropane[181%], 1,2-Dichlorobenzene[50%], 1,3-Dichlorobenzene[43%], 1,4-Dichlorobenzene[46%], 2-Butanone[250%], 4-Methyl-2-Pentanone[170%], Acetone[344%], Bromoform[151%], Carbon Tetrachloride[44%], cis-1,3-Dichloropropene[48%], Methyl Acetate[605%] and Methylcyclohexane[-20%] due to matrix interference.

The RPD for {Q3395-04MSD} with File ID: VW032401.D met criteria except for 1,1,2,2-Tetrachloroethane[36%], 1,1,2-Trichloroethane[32%], 1,2,3-Trichlorobenzene[30%], 2-Butanone[21%], 2-Hexanone[22%], Acetone[28%], Carbon



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disulfide[24%], Carbon Tetrachloride[25%], cis-1,3-Dichloropropene[25%], Methylcyclohexane[8200%] and t-1,3-Dichloropropene[21%] due to difference in results of MS and MSD.

The Blank Spike 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 (82W100125S.M) for Methylene chloride passing on Linear regression.

The Continuous Calibration File ID VW032378.D met the requirements except for Bromoform and Dibromochloromethane are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

**E. Additional Comments:**

Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.

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