

## **CASE NARRATIVE**

### **Core Environmental Consultants and Services, Inc.**

**Project Name: The Wills Building**

**Project # N/A**

**Order ID # Q3311**

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

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

15 Water samples were received on 10/08/2025.

#### **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\_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 were met for all analysis except for MW-214DDL [4-Bromofluorobenzene - 123%], due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q3311-03MS} with File ID: VX048177.D recoveries met the requirements for all compounds except for 1,2,3-Trichlorobenzene[73%], 1,2,4-Trichlorobenzene[69%], 1,2-Dibromo-3-Chloropropane[74%], 1,2-Dichlorobenzene[78%], 1,3-Dichlorobenzene[78%], 1,4-Dichlorobenzene[77%] and Tetrachloroethene[260%] due to matrix interference.

The MSD {Q3311-04MSD} with File ID: VX048178.D recoveries met the requirements for all compounds except for Tetrachloroethene[260%] due to matrix interference.

The RPD for {Q3311-04MSD} with File ID: VX048178.D met criteria except for 1,1,2,2-Tetrachloroethane[21%], 1,2,3-Trichlorobenzene[27%], 1,2,4-Trichlorobenzene[27%], 1,2-Dibromo-3-Chloropropane[26%], 1,2-Dichlorobenzene[24%], 1,3-Dichlorobenzene[22%], 1,4-Dichlorobenzene[22%] and Isopropylbenzene[24%] due to difference in results of MS and MSD.

The Blank Spike for {VX1014WBS01} with File ID: VX048156.D met requirements for all compounds except for Methyl Acetate[65%], Methyl tert-butyl Ether[76%] are failing marginally low therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.  
The Initial Calibration met the requirements.

The Continuous Calibration File ID VX048100.D met the requirements except for 1,1,2-Trichlorotrifluoroethane, Bromomethane, Carbon Disulfide, Dichlorodifluoromethane, Methylcyclohexane, Trichlorofluoromethane and Vinyl Chloride are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID VX048126.D met the requirements except for 1,1,2-Trichlorotrifluoroethane, Bromomethane and Dichlorodifluoromethane, Trichlorofluoromethane are failing high but no positive hit in associate sample and Vinyl Chloride is failing high and associate sample having hit of Vinyl Chloride but below CRQL therefore no corrective action taken while Carbon Disulfide is failing high and due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported.

The Continuous Calibration File ID VX048153.D met the requirements except for 1,1,2-Trichlorotrifluoroethane, Bromomethane, Carbon Disulfide, Carbon Tetrachloride, Dichlorodifluoromethane, Trichlorofluoromethane and Vinyl Chloride are failing high but no positive hit in associate sample therefore no corrective action taken.  
The Tuning criteria met requirements.

Samples MW-6BA and GW-DUP were diluted due to past history of these samples containing high amounts of compound Tetrachloroethene.

Samples MW-218, MW-1S, MW-1D, MW-101S, C-MW-3, MW-214D, MW-215D and MW-227B were diluted due to high concentrations.

#### **E. Additional Comments:**

Trip Blank was not provided with this set of samples.

The Sample # MW-1S, C-MW-3 and MW-5BA have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

#### **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\_\_\_\_\_