

## **CASE NARRATIVE**

**RU2 Engineering, LLC**

**Project Name: NYCDDC SANTWOBR Brooklyn Bridge BBMCR**

**Project # N/A**

**Chemtech Project # Q1241**

**Test Name: PCB**

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

20 Solid samples were received on 01/30/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOCMS Group1. This data package contains results for PCB.

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

The analyses were performed on instrument GCECD\_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration File ID PO109331.D met the requirements except for Decachlorobiphenyl is failing in 1st column, but passing in 2nd column therefore no corrective action taken.



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The Continuous Calibration File ID PO109364.D met the requirements except for Aroclor-1260(Peak-03),Aroclor-1260(Peak-04),Aroclor-1260(Peak-05),Decachlorobiphenyl is failing in 1st column AND Aroclor-1260(Peak-05),Decachlorobiphenyl is failing in 2nd column CCC failling low as corrective action sample reanalyzed for confirmation.

The Continuous Calibration File ID PO109422.D met the requirements except for Aroclor-1260(Peak-01),Aroclor-1260(Peak-02),Aroclor-1260(Peak-03),Aroclor-1260(Peak-04),Aroclor-1260(Peak-05),Decachlorobiphenyl is failing in 1st column AND Aroclor-1260(Peak-01),Aroclor-1260(Peak-02),Aroclor-1260(Peak-03),Aroclor-1260(Peak-04),Aroclor-1260(Peak-05),Decachlorobiphenyl is failing in 2nd column ,failling low as CCC failure confirmed and both run reported.

**E. Additional Comments:**

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\_\_\_\_\_