

## **CASE NARRATIVE**

### **G Environmental**

**Project Name: Ave L**

**Project # N/A**

**Chemtech Project # Q1574**

**Test Name: PCB**

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

1 Solid sample was received on 03/14/2025.

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### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for PCB.

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

The analyses were performed on instrument GCECD\_P. 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 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 except for C0O18MS [Decachlorobiphenyl(2) - 170%], C0O18MSD [Decachlorobiphenyl(2) - 166%] and WC1DL [Decachlorobiphenyl(1) - 163%] these compounds did not meet the NJDKQP criteria but met the in-house criteria .

The Retention Times were acceptable for all samples.

The MS recoveries for {Q1572-06MS} with File ID: PP070564.D met requirements for all samples except for AR1016[7313%] and AR1260[169%] these compounds did not meet the NJDKQP criteria and in-house criteria, due to sample matrix interference.



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The MSD {Q1572-06MSD} with File ID: PP070565.D recoveries met requirements for all samples except for AR1016[7777%] and AR1260[215%]these compounds did not meet the NJDKQP criteria and in-house criteria, due to sample matrix interference.

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 PO109923.D met the requirements except for Decachlorobiphenyl is failing in 2nd column but it is passing in 1st column therefore no corrective action taken.

Sample WC1 was diluted due to high concentration.

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