



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

## **CASE NARRATIVE**

### **Nobis Group**

**Project Name: Raymark Superfund Site**

**Project # N/A**

**Chemtech Project # M3435**

**Test Name: PCB**

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

30 Solid samples were received on 08/14/2021.

9 Water samples were received on 08/14/2021.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals Group1, Metals ICP-Group1, PCB, PESTICIDE Group1, SPLP Extraction, SPLP Extraction, SPLP Mercury, SPLP MetalGroup2, SPLP Metals Group1, SVOCMS Group2 and VOCMS Group1. 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 3510.

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

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for

SWCS-24-0306 [Decachlorobiphenyl(1) - 52%, Decachlorobiphenyl(2) - 54%],

SWCS-24-0306RE [Decachlorobiphenyl(1) - 52%, Decachlorobiphenyl(2) - 51%],

SWCS-22-0003 [Decachlorobiphenyl(1) - 20%, Decachlorobiphenyl(2) - 20%],

SWCS-22-0003RE [Decachlorobiphenyl(1) - 21%, Decachlorobiphenyl(2) - 19%] all the failure samples in surrogates with both columns were reanalyzed to confirm the results as per method and reported in the data and

2021-08-11-EB-02 [Tetrachloro-m-xylene(2) - 147%] as per method one surrogate allowed to fail, therefore No further corrective action was taken.

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.



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The Blank Spike Duplicate 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 PP038536.D met the requirements except for Decachlorobiphenyl is failing in both column.

The Continuous Calibration File ID PP038552.D met the requirements except for Decachlorobiphenyl is failing in both column.

The Continuous Calibration File ID PP038645.D met the requirements except for Decachlorobiphenyl is failing in both column.

The Continuous Calibration File ID PP038659.D met the requirements except for Decachlorobiphenyl is failing in both column.

All above mention CCAL are failing for DCB due to hit of AR1268 therefore no corrective action taken.

Sample SWCS-17-0003 was diluted due to high concentration.

**E. Additional Comments:**

The not QT review data is reported in the Miscellaneous.

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\_\_\_\_\_