

## **CASE NARRATIVE**

**Walsh Construction Company II, LLC**  
**Project Name: Walsh CO-032 Sampling**  
**Project # N/A**  
**Chemtech Project # Q1907**  
**Test Name: TCLP BNA**

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

2 Solid samples were received on 04/28/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH\_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, 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 METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TPH GC, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP BNA.

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

The samples were analyzed on instrument BNA\_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA\_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAT. The analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

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

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for CO-8R-WC [2,4,6-Tribromophenol - 322%, 2-Fluorobiphenyl - 253%, Terphenyl-d14 - 419%], CO-8R-WCRE [2,4,6-Tribromophenol - 619%, 2-Fluorobiphenyl - 519% and Terphenyl-d14 - 3613%]. Sample reanalyzed to confirm results, Original and Reanalysis both are reported. The Internal Standards Areas met the acceptable requirements except for CO-8R-WC, CO-8R-WCRE. Sample reanalyzed to confirm results, Original and Reanalysis both are reported.

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 analysis did not indicate the presence of lab contamination.

The % RSD is greater than 20% in the Initial Calibration (8270-BF043025.M) for 2,4-Dinitrophenol, this compound is passing on Quadratic Regression.

The Continuous Calibration File ID BF142250.D met the requirements except for 2,4-Dinitrotoluene. But associated samples have not positive hit for this compound, therefore no corrective action was taken.

The Continuous Calibration File ID BF142274.D met the requirements except for 2,4-Dinitrotoluene. But associated samples have not positive hit for this compound, therefore no corrective action was taken.

The Tuning criteria met requirements.

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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