



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

## **CASE NARRATIVE**

### **G Environmental**

**Project Name: Ave B**

**Project # N/A**

**Order ID # Q2826**

**Test Name: SVOCMS Group1**

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

2 Solid samples were received on 08/11/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH\_NF, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOCMS Group1, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOCMS Group1. This data package contains results for SVOCMS Group1.

### **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-Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GG. The analysis of SVOCMS Group1 was based on method 8270E 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 WC1 [2,4,6-Tribromophenol - 16%, 2-Fluorobiphenyl - 27%, 2-Fluorophenol - 25%, Nitrobenzene-d5 - 26%, Phenol-d6 - 28% and Terphenyl-d14 - 29%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {Q2830-05MS} with File ID: BF143367.D recoveries met the requirements for all compounds except for 3-Nitroaniline[68%], 4-Chloroaniline[50%], bis(2-Ethylhexyl)phthalate[140%], Di-n-octyl phthalate[133%], these compounds did not meet the NJDKQP criteria but met the in-house criteria and Butylbenzylphthalate[150%], Di-n-butylphthalate[133%], these compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference therefore no corrective action is required.

The MSD {Q2830-05MSD} with File ID: BF143368.D recoveries met the acceptable requirements except for 2,3,4,6-Tetrachlorophenol[133%], 4,6-Dinitro-2-methylphenol[133%], 4-Chloroaniline[46%], bis(2-Ethylhexyl)phthalate[157%], these compounds did not meet the NJDKQP criteria but met the in-house criteria and Di-n-butylphthalate[142%], Butylbenzylphthalate[192%], these compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference, therefore no corrective action is required.

The RPD for {Q2830-05MSD} with File ID: BF143368.D met criteria except for 4-Nitroaniline[22%], 4-Nitrophenol[23%], Butylbenzylphthalate[25%], Caprolactam[22%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, and Pyrene[31%], this compound did not meet the NJDKQP criteria and in-house criteria due to difference in results of MS and MSD .

The Blank Spike met requirements for all samples .

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

The %RSD is greater than 20% for certain compounds in the Initial Calibration (Method 8270-BF081225.M) for 2-Nitrophenol, Hexachlorocyclopentadiene, 2-Nitroaniline, 2,6-Dinitrotoluene, 4-Nitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylephenol, Pentachlorophenol, Butylbenzylphthalate, Bis(2-ethylhexylephthalate), Di-n-octyl phthalate. These Compounds is passing on Linear Regression . 2,4-Dinitrophenol are passing on Quadratic Regression.

The Continuous Calibration File ID BF143365.D met the requirements except for Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Di-n-octyl phthalate and Pentachlorophenol but The associated samples have no positive hit of these compounds , therefore no corrective action was taken .

The Continuous Calibration File ID BP025455.D met the requirements except for Benzaldehyde and Hexachlorocyclopentadiene, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

Samples WC1 analyzed with direct 2x dilution due to viscous and concentrated matrix

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

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The soil samples results are based on a dry weight basis.

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



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

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.

---

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\_\_\_\_\_