



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

## **CASE NARRATIVE**

**Zuccaro Inc.**

**Project Name: 3 Coal Ave., Morristown, NJ**

**Project # N/A**

**Order ID # Q3032**

**Test Name: SVOC-TCL BNA -20,TCLP BNA**

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

6 Solid samples were received on 09/05/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested:

. This data package contains results for SVOC-TCL BNA -20(8270E), TCLP BNA(8270E).

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

SVOC-TCL BNA -20 : 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\_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

TCLP BNA : 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 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 were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q3032-01MS} with File ID: BG064310.D recoveries met the requirements for all compounds except for 2,2-oxybis(1-Chloropropane)[65%], 3,3-Dichlorobenzidine[42%], 3-Nitroaniline[50%] and 4-Chloroaniline[29%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The MSD {Q3032-01MSD} with File ID: BG064311.D recoveries met the acceptable requirements except for 2,2-oxybis(1-Chloropropane)[65%], 3,3-Dichlorobenzidine[43%], 3-Nitroaniline[55%] and 4-Chloroaniline[32%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The RPD were met for all analysis.

The Blank Spike for {PB169593BS} with File ID: BG064331.D met requirements for all samples except for 2,2-oxybis(1-Chloropropane)[59%], 3,3-Dichlorobenzidine[65%] and 4-Chloroaniline[54%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike Duplicate met requirements for all compounds.

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

The %RSD is greater than 20% in the Method 8270-BG082825.M for 2,4-Dinitrophenol & it is passing on Linear regression.

The Continuous Calibration File ID BG064301.D met the requirements except for 2,2-oxybis(1-Chloropropane), marginally biased low and 4,6-Dinitro-2-methylphenol, Hexachlorobutadiene, Hexachlorocyclopentadiene and 2,4,6-Tribromophenol failing biased high, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BG064329.D met the requirements except for 1,2,4,5-Tetrachlorobenzene, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl-phenylether, 4-Nitroaniline, Atrazine, Hexachlorobutadiene, Hexachlorocyclopentadiene, Pentachlorophenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken.. and 2,4,6-Tribromophenol, biased high therefore no corrective action was taken.

The Tuning criteria met requirements.

SVOC-TCL BNA -20 : Samples SOIL-PILE-2 was diluted due to viscous and concentrated matrix.



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