

## **CASE NARRATIVE**

### **AECOM**

**Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206**

**Project # N/A**

**Order ID # Q3419**

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

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

5 Solid samples were received on 10/21/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

### **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\_G using GC Column ZB-Semi Volatiles 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.

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

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for PB170215BL [Nitrobenzene-d5 - 110%], marginally high therefore no corrective action taken.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the requirements for all compounds.

The RPD were met for all analysis.

The Blank Spike 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-BG102421.M for 2-Nitrophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol these Compounds are passing on Linear regression,

The Continuous Calibration File ID BG064618.D met the requirements except for Di-n-octyl phthalate, Hexachlorocyclopentadiene and Nitrobenzene-d5, marginally high but The associate samples have no positive hit for these compounds therefore no corrective action was taken.



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The Tuning criteria met requirements.

**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.

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