



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

## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger Site Princeton NJ**

**Project # N/A**

**Order ID # P3475**

**Test Name: SVOCMS Group2**

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

7 Solid samples were received on 08/05/2024.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Metals Group5, PCB, SVOCMS Group2 and SVOCMS Group5. This data package contains results for SVOCMS Group2.

### **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 analysis of SVOCMS Group2 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 S-866-N-SO-0-0.5-080524[2-Fluorobiphenyl - 26%, Terphenyl-d14 - 28%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements except for S-866-N-SO-1.0-1.5-080524, S-866-N-SO-1.0-1.5-080524MS and S-866-N-SO-1.0-1.5-080524MSD, due to matrix interference, no corrective action is required.

The Retention Times were acceptable for all samples.

The MS {P3475-03MS} with File ID: BF139008.D recoveries met the requirements for all compounds except for Benzo(a)pyrene[132%], this compound did not meet the NJDKQP criteria but met the in-house criteria.

The MSD {P3475-04MSD} with File ID: BF139009.D recoveries met the acceptable requirements except for Benzo(a)anthracene[132%], this compound did not meet the NJDKQP criteria and in-house criteria, due to matrix interference no corrective action is required.

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 Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

**E. Additional Comments:**

This data Package has been revised due to Client Id changed as per client request.

The Sample S-866-N-SO-1.0-1.5-080524, have the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1.

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

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\_\_\_\_\_