



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

## **CASE NARRATIVE**

**Roux Associates, Inc.**

**Project Name: 2968.0006J004\_Duke Bayonne**

**Project # N/A**

**Chemtech Project # N4550**

**Test Name: EPH**

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

1 Solid sample was received on 09/08/2022.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP BNA, SPLP Hexavalent Chromium, SPLP ICP Metals, SPLP Mercury, SPLP Metals, SPLP VOA, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for EPH.

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

The analyses were performed on instrument GCECD\_D. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HM-G017-11 . The rear column is ZBMR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 7HM-G016-17. The analysis were performed on instrument FID\_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analysis were performed on instrument FID\_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analysis of EPHs was based on method NJEPH 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 PB147580BSD [2-Fluorobiphenyl (SURR) - 144%].

The Retention Times were acceptable for all samples.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

Samples D-CRTE-SLAB-1 and D-CRTE-SLAB-1DL were diluted due to high concentrations.

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

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



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PB147580BSD: Surrogate is bias high, its higher limit is 140% and recovery is coming as 143%, Hardcopy reported this data.

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