



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

## **CASE NARRATIVE**

**LiRo Engineers, Inc.**

**Project Name: Walter Gladwin Recreation Center, Bronx, NY**

**Project # N/A**

**Chemtech Project # P1747**

**Test Name: CBOD5, Chloride, Flash Point, Hexavalent Chromium, Non-Polar Material, Phenolics, TKN, Total Nitrogen, TS, TSS**

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

10 Water samples were received on 03/13/2024.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: CBOD5, Chloride, Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Flash Point, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-NYCD, METALS-TAL, Non-Polar Material, NYCD Discharge, PCB, Pesticide-TCL, Phenolics, SVOC-NYCD, SVOC-TCL BNA -20, TKN, Total Nitrogen, TS, TSS, VOC-NYCD and VOC-TCLVOA-10. This data package contains results for CBOD5, Chloride, Flash Point, Hexavalent Chromium, Non-Polar Material, Phenolics, TKN, Total Nitrogen, TS, TSS.

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

The analysis of Flash Point was based on method 1010B, The analysis of Non-Polar Material was based on method 1664A, The analysis of Phenolics was based on method 420.1, The analysis of Total Nitrogen was based on method Cal, The analysis of TS was based on method SM2540 B, The analysis of TSS was based on method SM2540 D, The analysis of Hexavalent Chromium was based on method SM3500-Cr B, The analysis of TKN was based on method SM4500 N Org B or C, The analysis of Chloride was based on method SM4500-CL C and The analysis of CBOD5 was based on method SM5210 B.

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

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

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

The Calibration met the requirements.

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

As per method 1664A, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project.

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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\_\_\_\_\_