



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

## **CASE NARRATIVE**

**LiRo Engineers, Inc.**

**Project Name: Kings Hwy, Phase II**

**Project # N/A**

**Chemtech Project # M2857**

**Test Name: Diesel Range Organics**

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

24 Solid samples were received on 06/24/2021.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Paint Filter, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-PAH, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for Diesel Range Organics.

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

The analysis were performed on instrument FID\_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis of Diesel Range Organics was based on method 8015D 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 SB-17-COMP [Tetracosane-d50 - 137%].

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD met criteria.

The Blank Spike 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.

Sample SB-15-COMP was diluted due to high concentration.

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

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

I.BLK(FF008699.D) has surrogate recovery bias high. SB-03-COMPMS&MSD has surrogate within QC limits. Associated both opening and closing CCC and Closing I.BLK is within QC limits. no further corrective action required.





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I.BLK(FG008473.D) has surrogate recovery bias high. Associated sample SB-17-COMPARE which were reanalyzed for surrogate failure confirmation. First analysis of this sample has already surrogate failure and in FG063021 surrogate is failing again that confirms with first analysis. Associated both opening and closing CCC and Closing I.BLK is within QC limits.no further corrective action required.

SB-17-COMPARE -fax was sent with surrogate failure for this analysis. However there was some processing error when form1 was generated for fax. After processing data correctly, surrogate is within QC limits for this analysis so both data reported in hard copy and since fax is already sent, fax and hard copy data not match.

Samples SB-15-COMP original run is reported as screening 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\_\_\_\_\_