

## **CASE NARRATIVE**

### **ENTACT**

**Project Name: North Point - 4101 Arthur Kill Rd - E9306**

**Project # N/A**

**Chemtech Project # Q1308**

**Test Name: EPH**

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

13 Solid samples were received on 02/05/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, EPH and Gasoline Range Organics. This data package contains results for EPH.

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

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 analyses were performed on instrument FID\_D. 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 were performed on instrument FID\_F. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. 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 EX-6-TPH-2 [2-Bromonaphthalene (SURR) - 152.64%], EX-6-TPH-2DL [2-Bromonaphthalene (SURR) - 162.4%], EX-6-TPH-2DL2 [2-Bromonaphthalene (SURR) - 159.2%], EX-11-TPH-7 [2-Bromonaphthalene (SURR) - 176.22%], EX-11-TPH-7DL [2-Bromonaphthalene (SURR) - 174.8%], EX-11-TPH-7DL2 [2-Bromonaphthalene (SURR) - 160%], EX-11-TPH-9 [2-Bromonaphthalene (SURR) - 173.62%], EX-11-TPH-9DL [2-Bromonaphthalene (SURR) - 179.4%], EX-11-TPH-9DL2 [2-Bromonaphthalene (SURR) - 189.5%], but this sample was required further dilution as well due to high concentration, therefore original and Dilution analysis were reported and no further corrective action taken.

The Surrogate recoveries met the acceptable criteria except for EX-11-TPH-13DL [2-Bromonaphthalene (SURR) - 0%, 2-Fluorobiphenyl (SURR) - 0%, ortho-Terphenyl (SURR) - 0%], Surrogates were diluted out due to the high dilution. no further corrective action was taken.

The Surrogate recoveries met the acceptable criteria except for EX-11-TPH-13DL [1-chlorooctadecane (SURR) - 141.6%], EX-11-TPH-13DL2 [1-chlorooctadecane (SURR) - 145%] but this sample was required further dilution as well due to high concentration, therefore original and Dilution analysis were reported and no further corrective action taken.

The Surrogate recoveries met the acceptable criteria except for EX-11-TPH-7DL2 [1-chlorooctadecane (SURR) - 0%], EX-11-TPH-9DL2 [1-chlorooctadecane (SURR) - 0%], EX-11-TPH-10DL2 [1-chlorooctadecane (SURR) - 0%], EX-11-TPH-11DL [1-chlorooctadecane (SURR) - 0%], and EX-11-TPH-13DL3 [1-chlorooctadecane (SURR) - 0%]. Surrogates were diluted out due to the high dilution. no further corrective action was taken.

The Retention Times were acceptable for all samples.

The MS {Q1308-04MS} with File ID: FC068234.D recoveries met the requirements for all compounds except for Aliphatic C16-C21[25%] Due to matrix interference.

The MSD {Q1308-04MSD} with File ID: FC068235.D recoveries met the acceptable requirements except for Aliphatic C16-C21[26.7%] Due to matrix interference.

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 for alliphatic EX-8-TPH-1, EX-6-TPH-1, EX-6-TPH-2, EX-6-TPH-2DL, EX-11-TPH-7, EX-11-TPH-7DL, EX-11-TPH-8, EX-11-TPH-9, EX-11-TPH-9DL, EX-11-TPH-10, EX-11-TPH-10DL, EX-11-TPH-11, EX-11-TPH-12, EX-11-TPH-13, EX-11-TPH-13DL, EX-11-TPH-13DL2 and EX-11-TPH-14 were diluted due to high concentrations.

Samples for aromatic EX-8-TPH-1, EX-6-TPH-1, EX-6-TPH-2, EX-6-TPH-2DL, EX-11-TPH-7, EX-11-TPH-7DL, EX-11-TPH-8, EX-11-TPH-9, EX-11-TPH-9DL, EX-11-TPH-10, EX-11-TPH-10DL, EX-11-TPH-11, EX-11-TPH-12, and EX-11-TPH-13, were diluted due to high concentrations.

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

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



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