

## **CASE NARRATIVE**

### **ENTACT**

**Project Name: North Point**

**Project # N/A**

**Chemtech Project # P5002**

**Test Name: EPH**

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

1 Solid sample was received on 11/25/2024.

### **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 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-7-TPH-1 [2-Bromonaphthalene (SURRE) - 140.94%], EX-7-TPH-1DL [2-Bromonaphthalene (SURRE) - 153.8%], EX-7-TPH-1DL2 [2-Bromonaphthalene (SURRE) - 183.6%], Due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported

The Retention Times were acceptable for all samples.

The MS {P5002-01MS} with File ID: FC067876.D recoveries met the requirements for all compounds except for Aliphatic C12-C16[1305%], Aliphatic C16-C21[823%], Aliphatic C21-C28[245%] and Aliphatic C28-C40[140%] . due to sample is very bad matrix and original sample required dilution.

The MS {P5002-01MS} with File ID: FD048827.D recoveries met the requirements for all compounds except for Aromatic C16-C21[227%], Aromatic C21-C36[185%] . due to sample is very bad matrix and original sample required dilution.

The MSD {P5002-01MSD} with File ID: FC067877.D recoveries met the acceptable requirements except for Aliphatic C12-C16[1126%], Aliphatic C16-C21[695%] and Aliphatic C21-C28[194%] due to sample is very bad matrix and original sample required dilution.



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The MSD {P5002-01MSD} with File ID: FD048828.D recoveries met the acceptable requirements except for Aromatic C12-C16[167%], Aromatic C16-C21[328%] and Aromatic C21-C36[204%] due to sample is very bad matrix and original sample required dilution.

The RPD for {P5002-01MSD} with File ID: FD048828.D met criteria except for Aromatic C12-C16[42%], Aromatic C16-C21[36%] due to difference in MS and MSD concentrations.

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 .

Sample EX-7-TPH-1,EX-7-TPH-1DL were diluted due to high concentration for Aliphatic compounds.

Sample EX-7-TPH-1,EX-7-TPH-1DL were diluted due to high concentration for Aromatic compounds.

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

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

#### **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\_\_\_\_\_