

## **CASE NARRATIVE**

**CDM Smith**

**Project Name: Con Edison FOPL2**

**Project # N/A**

**Order ID # Q3123**

**Test Name: EPH,Gasoline Range Organics**

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

1 Solid sample was received on 09/16/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested:

. This data package contains results for EPH(NJEPH), Gasoline Range Organics(8015D).

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

EPH : 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 of EPHs was based on method NJEPH and extraction was done based on method 3541.

Gasoline Range Organics : The analysis performed on instrument FID\_B were done using GC column RTX502.2 which is 60 meters, 0.53mm ID, 3.0 um df, cat#10909. The analysis of Gasoline Range Organics was based on method 8015D.

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

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q3123-01MS} with File ID: FE055931.D recoveries met the requirements for all compounds except for Aliphatic [Naphthalene (C11.7)- 4%, 2-methylnaphthalene (C12.89)- 2%], these analytes are only being monitoring in aliphatic fraction.

The MS {Q3123-01MS} with File ID: FD049743.D recoveries met the requirements for all compounds except for Aromatic [Chrysene (C27.41)- 208%], [Bnezo[k]fluoranthene (C30.14)- 196%], [Dibenz[a,h]anthracene (C30.36)- 175%] due to matrix interference.

The MSD {Q3123-01MSD} with File ID: FE055932.D recoveries met the requirements for all compounds except for Aliphatic [Naphthalene (C11.7)- 4%, 2-methylnaphthalene (C12.89)- 2%], these analytes are only being monitoring in aliphatic fraction.

The MSD {Q3123-01MSD} with File ID: FD049744.D recoveries met the requirements for all compounds except for Aromatic [Chrysene (C27.41)- 211%],



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Phone: 908 789 8900 Fax: 908 789 8922

[Bnezo[k]fluoranthene (C30.14)- 199%], [Dibenz[a,h]anthracene (C30.36)- 180%] due to matrix interference.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds except following  
EPH : The Blank Spike for {PB169768BS} with File ID: FE055924.D met requirements for all samples except for aliphatic [Naphthalene (C11.7)- 0%, 2-methylnaphthalene (C12.89)- 0%], these analytes compounds are only being monitoring in aliphatic fraction.

The Blank Spike Duplicate met requirements for all compounds except following  
EPH : The Blank Spike Duplicate for {PB169768BSD} with File ID: FE055925.D met requirements for all samples except for aliphatic [Naphthalene (C11.7)- 0%, 2-methylnaphthalene (C12.89)- 0%], these analytes compounds are only being monitoring in aliphatic fraction.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

**E. Additional Comments:**

The temperature of the samples at the time of receipt was 6.1°C.

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\_\_\_\_\_



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

## **CASE NARRATIVE**

**CDM Smith**

**Project Name: Con Edison FOPL2**

**Project # N/A**

**Order ID # Q3123**

**Test Name: Fingerprint**

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

1 Solid sample was received on 09/16/2025.

**B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Fingerprint, This data package contains results for Fingerprint.

**C. Analytical Techniques:**

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.

**D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

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

**E. Additional Comments:**

**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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