



284 Sheffield Street, Mountainside, NJ 07092
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CASE NARRATIVE

CDM Smith

Project Name: South River WM Replacement

Project # N/A

Order ID # Q1982

Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:

8 Solid samples were received on 05/07/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for Gasoline Range Organics.

C. Analytical Techniques:

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 met the acceptable criteria except for TP-1 [Alpha,Alpha,Alpha-Trifluorotoluene - 38%] and TP-2B [Alpha,Alpha,Alpha-Trifluorotoluene - 31%] vial A analyzed but did not purge as a corrective action VIAL B analyzed but surrogate fail therefore VIAL B reported as final analysis.

The Retention Times were acceptable for all samples.

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 TP-8 was directly run in methanol as both low level soil vials did not purge.

E. Additional Comments:

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

F. Manual Integration Comments:



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Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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_____