



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

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger Site IDW Water

Project # N/A

Chemtech Project # M4144

Test Name: Diesel Range Organics

A. Number of Samples and Date of Receipt:

3 Water samples were received on 10/07/2021.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Flash Point, Gasoline Range Organics, Mercury, Metals Group1, Metals ICP-Group1, PCB, SVOCMS Group1 and VOCMS Group1. This data package contains results for Diesel Range Organics.

C. Analytical Techniques:

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 Diesel Range Organics was based on method 8015D and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for

IDW-LIQ-DRUM-2-100721 [Tetracosane-d50 - 3%],

IDW-LIQ-DRUM-2-100721RE [Tetracosane-d50 - 4%] and

IDW-LIQ-COMP-100721 [Tetracosane-d50 - 3158%].

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 IDW-LIQ-DRUM-1-100721 and IDW-LIQ-COMP-100721 were diluted due to high concentrations.

E. Additional Comments:

Sample IDW-LIQ-COMP-100721 was drum sample. In original analysis (FE100821) surrogate peak was separating from interference and also surrogate was within QC limit. However sample requires further dilution. In dilution surrogate peak is not separating from interference, resulting surrogate is outside QC limit. As sample matrix is bad.



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Samples IDW-LIQ-DRUM-1-100721 and IDW-LIQ-COMP-100721 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.

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_____