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CASE NARRATIVE

LiRo Engineers, Inc.

Project Name: RFK Bridge RMB-Randall Island

Project # N/A

Order ID # Q3468

Test Name: VOCMS Group1,SVOCMS Group1

A. Number of Samples and Date of Receipt:

6 Water samples were received on 10/24/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCMS Group1,SVOCMS Group1. This data package contains results for VOCMS Group1(8260-Low),SVOCMS Group1(8270E).

C. Analytical Techniques:

VOCMS Group1 : The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group1 was based on method 8260-Low.

SVOCMS Group1 : The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOCMS Group1 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD recoveries met criteria.

The Blank Spike met requirements for all compounds except following

VOCMS Group1 : The Blank Spike for {VN1028WBS02} with File ID: VN088131.D met requirements for all compounds except for Ethyl Benzene[110%], o-Xylene[111%] are failing marginally high therefore no corrective action taken.

VOCMS Group1 : The Blank Spike for {VN1029WBS01} with File ID: VN088150.D met requirements for all compounds except for tert-Butylbenzene[81%] is failing marginally low therefore no corrective action taken.

The Blank Spike Duplicate met requirements for all compounds



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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements except following

VOCMS Group1 : The Continuous Calibration File ID VN088127.D met the requirements except for Methyl tert-butyl Ether is failing high but no positive hit in associate sample therefore no corrective action taken.

SVOCMS Group1 : The Continuous Calibration File ID BG064618.D met the requirements except for Nitrobenzene-d5. Which is not our target compound, therefore no corrective action taken.

The Continuous Calibration File ID BG064636.D met the requirements except for Nitrobenzene-d5. Which is not our target compound, therefore no corrective action taken.

The Tuning criteria met requirements.

VOCMS Group1 : Samples MW-08, MW-12 were diluted due to high concentrations.

E. Additional Comments:

SEMI-VOA : The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

VOCMS Group1 : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

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_____