Volatile Organic Compound Analysis Results
for Samples Collected in Nuiqsut, Alaska

Sample Location: Nuiqsut Ambient Air Quality Monitoring Station

Date Sample Collected: 4/7/2022

Analysis Conducted by: Atmospheric Analysis & Consulting, Inc.

Analysis Method: EPA Method TO-15
Laboratory Analysis Report

CLIENT: SLR International Corporation  
PROJECT NO: 220761  
MATRIX: AIR  
UNITS: PPB (v/v)

DATE RECEIVED: 04/11/2022  
DATE REPORTED: 04/12/2022  
ANALYST: MB/DL

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

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<tr>
<th>Compound</th>
<th>NUI</th>
<th>Sample Reporting Limit (SRL) (MRIL x DF)*</th>
<th>Method Reporting Limit (MRL)</th>
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# Laboratory Analysis Report

**Client:** SLR International Corporation  
**Project No:** 220761  
**Matrix:** Air  
**Units:** PPM (v/v)

## Volatile Organic Compounds by EPA TO-15

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<tr>
<th>Compound</th>
<th>Result</th>
<th>Qualifier</th>
<th>Analysis DF</th>
<th>SRL (MRL)DF</th>
<th>Method Reporting Limit (MRL)</th>
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**BFB Surrogate Std. % Recovery:** 91%  
**70% - 100%**

*U* - Compound was not detected at or above the SRL.
QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE: 04/11/2022
MATRIX: High Purity N₂
UNITS: PPB (v/v)

INSTRUMENT ID: GC/MS-04
CALIBRATION STD ID: MSI-030122-01
ANALYST: MB

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15
Continuing Calibration Verification of the 03/29/2022 Calibration

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<th>% Recovery</th>
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<tr>
<td>Chlorobenzene</td>
<td>10.60</td>
<td>9.93</td>
<td>94</td>
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<td>10.50</td>
<td>10.26</td>
<td>98</td>
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<tr>
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<td>21.06</td>
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1 Concentration of analyte compound in certified source standard.
2 Measured result from daily Continuing Calibration Verification (CCV).
3 The acceptable range for analyte recovery is 100±30%.
QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE: 04/11/2022
MATRIX: High Purity N₂
UNITS: PPB (v/v)

INSTRUMENT ID: GC/MS-04
CALIBRATION STD ID: MSI-030122-01
ANALYST: MB

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15
Laboratory Control Spike Analysis

<table>
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<tr>
<th>System Monitoring Compounds</th>
<th>Sample Concentration</th>
<th>Spike Added</th>
<th>LCS¹ Recovery</th>
<th>LCSD¹ Recovery</th>
<th>LCS¹ % Recovery²</th>
<th>LCSD¹ % Recovery²</th>
<th>RPD³</th>
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<td>10.51</td>
<td>10.38</td>
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<td>100</td>
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<td>10.21</td>
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<td>97</td>
<td>95</td>
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<td>10.11</td>
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<td>95</td>
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<td>Trichloroethene (TCE)</td>
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<td>8.98</td>
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<td>93</td>
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<td>21.06</td>
<td>21.05</td>
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<td>o-Xylene</td>
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<td>103</td>
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</table>

¹ Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)
² The acceptable range for analyte recovery is 100±30%.
³ Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).
QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE: 04/11/2022
MATRIX: High Purity He or N₂
UNITS: PPB (v/v)
INSTRUMENT ID: GC/MS-04
ANALYST: MB

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15
Method Blank Analysis

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<tr>
<th>Analyte Compounds</th>
<th>MB 041122</th>
<th>Reporting Limit (RL)</th>
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<tbody>
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<td>1,2-Dichlorobenzene</td>
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<tr>
<td>Bromodichloromethane</td>
<td>&lt;RL</td>
<td>0.5</td>
</tr>
<tr>
<td>1,4-Dioxane</td>
<td>&lt;RL</td>
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<tr>
<td>Trichloroethylene (TCE)</td>
<td>&lt;RL</td>
<td>0.5</td>
</tr>
<tr>
<td>2,2,4-Trimethylpentane</td>
<td>&lt;RL</td>
<td>0.5</td>
</tr>
<tr>
<td>Methyl Methacrylate</td>
<td>&lt;RL</td>
<td>0.3</td>
</tr>
<tr>
<td>Heptane</td>
<td>&lt;RL</td>
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<tr>
<td>cis-1,3-Dichloropropene</td>
<td>&lt;RL</td>
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</tr>
<tr>
<td>1-Methyl-2-pentene (MMK)</td>
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</tr>
<tr>
<td>trans-1,3-Dichloropropene</td>
<td>&lt;RL</td>
<td>0.5</td>
</tr>
<tr>
<td>1,1,2-Trichloroethane</td>
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</tr>
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<td>Tolueno</td>
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</tr>
<tr>
<td>2-Heptanone (MBK)</td>
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<td>Dibromochloromethane</td>
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<td>Chlorobenzene</td>
<td>&lt;RL</td>
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<tr>
<td>Ethylbenzene</td>
<td>&lt;RL</td>
<td>0.5</td>
</tr>
<tr>
<td>m &amp; p-Xylene</td>
<td>&lt;RL</td>
<td>1.0</td>
</tr>
<tr>
<td>Bromoform</td>
<td>&lt;RL</td>
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</tr>
<tr>
<td>Styrene</td>
<td>&lt;RL</td>
<td>0.5</td>
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<td>1,1,2,2-Tetrachloroethane</td>
<td>&lt;RL</td>
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<tr>
<td>o-Xylene</td>
<td>&lt;RL</td>
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<tr>
<td>1,2,3-Trichloropropane</td>
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</tr>
<tr>
<td>Isopropylbenzene (Cumene)</td>
<td>&lt;RL</td>
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<tr>
<td>n-Pinene</td>
<td>&lt;RL</td>
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<tr>
<td>2-Chlorotoluene</td>
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<td>n-Propylbenzene</td>
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<td>Sec-Butylbenzene</td>
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<td>Hexachlorobutadiene</td>
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Page 6
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<tr>
<th>Analyte Compounds</th>
<th>Sample</th>
<th>Duplicate</th>
<th>RPD 1</th>
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<tbody>
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<th>Duplicate</th>
<th>RPD 1</th>
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<td>1,4-Dioxane</td>
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<td>Trichloroethene (TCE)</td>
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<td>2,2,4-Trimethylpentane</td>
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<td>n- &amp; p-Xylene</td>
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<td>Bromoform</td>
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1 Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

2 Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)