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

Sample Location: Nuiqsut Ambient Air Quality Monitoring Station

Date Sample Collected: 4/6/2022

Analysis Conducted by: Atmospheric Analysis & Consulting, Inc.

Analysis Method: EPA Method TO-12/PAMS Protocol by GC/MS/FID
## Laboratory Analysis Report

**CLIENT** : SLR International Corporation  
**PROJECT NO** : 220748  
**MATRIX** : AIR  
**UNITS** : ppb (v/v)  
**DATE RECEIVED** : 04/08/2022  
**DATE REPORTED** : 04/11/2022

### HYDROCARBONS (C2-C12) SPECIATED

<table>
<thead>
<tr>
<th>Client ID</th>
<th>NUI</th>
<th>Sample Reporting Limit (SRL) (MRL x DFs)</th>
<th>NUI DUP</th>
<th>Sample Reporting Limit (SRL) (MRL x DFs)</th>
<th>Method Reporting Limit (MRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAC ID</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>220748-30001</td>
<td></td>
<td></td>
<td>220748-30002</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Date Sampled</strong></td>
<td>04/06/2022</td>
<td></td>
<td>04/06/2022</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Date Analyzed</strong></td>
<td>04/08/2022</td>
<td></td>
<td>04/08/2022</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can Dilution Factor</td>
<td>1.57</td>
<td></td>
<td>1.57</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Ethylene | <SRL | U | 1 | 0.84 | <SRL | U | 1 | 0.78 | 0.50 |
| Acetylene | <SRL | U | 1 | 0.84 | <SRL | U | 1 | 0.78 | 0.50 |
| Ethane | 3.37 | 1 | 1.12 | 1.14 | 1.05 | 0.67 |
| Propylene | 3.10 | U | 1 | 0.56 | 1.58 | 0.52 | 0.33 |
| Propane | <SRL | U | 1 | 0.42 | <SRL | U | 1 | 0.39 | 0.25 |
| Isobutane | <SRL | U | 1 | 0.42 | <SRL | U | 1 | 0.39 | 0.25 |
| 1-Butene | <SRL | U | 1 | 0.42 | <SRL | U | 1 | 0.39 | 0.25 |
| n-Butane | <SRL | U | 1 | 0.42 | <SRL | U | 1 | 0.39 | 0.25 |
| trans-2-Butene | <SRL | U | 1 | 0.42 | <SRL | U | 1 | 0.39 | 0.25 |
| cis-2-Butene | <SRL | U | 1 | 0.42 | <SRL | U | 1 | 0.39 | 0.25 |
| Isopentane | <SRL | U | 1 | 0.34 | <SRL | U | 1 | 0.31 | 0.20 |
| 1-Pentene | <SRL | U | 1 | 0.34 | <SRL | U | 1 | 0.31 | 0.20 |
| n-Pentane | <SRL | U | 1 | 0.34 | <SRL | U | 1 | 0.31 | 0.20 |
| Isoprene | <SRL | U | 1 | 0.34 | <SRL | U | 1 | 0.31 | 0.20 |
| trans-2-Pentene | <SRL | U | 1 | 0.34 | <SRL | U | 1 | 0.31 | 0.20 |
| cis-2-Pentene | <SRL | U | 1 | 0.34 | <SRL | U | 1 | 0.31 | 0.20 |
| 2,2-Dimethylbutane | <SRL | U | 1 | 0.28 | <SRL | U | 1 | 0.26 | 0.17 |
| Cyclopentane | <SRL | U | 1 | 0.34 | <SRL | U | 1 | 0.31 | 0.20 |
| 2,3-Dimethylbutane | <SRL | U | 1 | 0.28 | <SRL | U | 1 | 0.26 | 0.17 |
| 2-Methylpentane | <SRL | U | 1 | 0.28 | <SRL | U | 1 | 0.26 | 0.17 |
| 3-Methylpentane | <SRL | U | 1 | 0.28 | <SRL | U | 1 | 0.26 | 0.17 |
| 1-Hexene | <SRL | U | 1 | 0.28 | <SRL | U | 1 | 0.26 | 0.17 |
| n-Hexane | <SRL | U | 1 | 0.28 | <SRL | U | 1 | 0.26 | 0.17 |
| Methylcyclopentane | <SRL | U | 1 | 0.28 | <SRL | U | 1 | 0.26 | 0.17 |
| 2,4-Dimethylpentane | <SRL | U | 1 | 0.24 | <SRL | U | 1 | 0.22 | 0.14 |
| Benzene | <SRL | U | 1 | 0.28 | <SRL | U | 1 | 0.26 | 0.17 |
| Cyclohexane | <SRL | U | 1 | 0.28 | <SRL | U | 1 | 0.26 | 0.17 |
| 2-Methylhexane | <SRL | U | 1 | 0.24 | <SRL | U | 1 | 0.22 | 0.14 |
| 2,3-Dimethylpentane | <SRL | U | 1 | 0.24 | <SRL | U | 1 | 0.22 | 0.14 |
| 3-Methylhexane | <SRL | U | 1 | 0.24 | <SRL | U | 1 | 0.22 | 0.14 |
| 2,2,4-Trimethylpentane | <SRL | U | 1 | 0.21 | <SRL | U | 1 | 0.20 | 0.13 |
| n-Hexane | <SRL | U | 1 | 0.24 | <SRL | U | 1 | 0.22 | 0.14 |
| Methylcyclohexane | <SRL | U | 1 | 0.24 | <SRL | U | 1 | 0.22 | 0.14 |
| 2,3,4-Trimethylpentane | <SRL | U | 1 | 0.21 | <SRL | U | 1 | 0.20 | 0.13 |
## Laboratory Analysis Report

**CLIENT**: SLR International Corporation  
**PROJECT NO**: 220748  
**MATRIX**: AIR  
**UNITS**: ppb (v/v)  
**DATE RECEIVED**: 04/08/2022  
**DATE REPORTED**: 04/11/2022

### HYDROCARBONS (C2-C12) SPECIATED

<table>
<thead>
<tr>
<th>Client ID</th>
<th>NUI</th>
<th>Sample Reporting Limit (SRL)</th>
<th>NUI Dup</th>
<th>Sample Reporting Limit (SRL)</th>
<th>Method Reporting Limit (MRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAC ID: 220748-30001</td>
<td></td>
<td></td>
<td>220748-30002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date Sampled: 04/06/2022</td>
<td></td>
<td></td>
<td>04/06/2022</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date Analyzed: 04/08/2022</td>
<td></td>
<td></td>
<td>04/08/2022</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can Dilution Factor: 1.69</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compound</th>
<th>Result</th>
<th>Qualifier</th>
<th>Analysis DF</th>
<th>DIF</th>
<th>Result</th>
<th>Qualifier</th>
<th>Analysis DF</th>
<th>DIF</th>
<th>Result</th>
<th>Qualifier</th>
<th>Analysis DF</th>
<th>DIF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.22</td>
<td>U</td>
<td>1</td>
<td>0.14</td>
<td></td>
</tr>
<tr>
<td>2-Methylpentane</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>3-Methylpentane</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>n-Octane</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>m/p-Xylenes</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>Styrene</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>p-Xylene</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>Nonane</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>Isopropylbenzene</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>p-Propylbenzene</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>m-Ethyltoluene</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>p-Ethyltoluene</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>1,3,5-Trimethylbenzene</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>o-Ethyltoluene</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>n-Decane</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>1,2,3-Trimethylbenzene</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>m-Diethylbenzene</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>p-Diethylbenzene</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>p-Undecane</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>t-Dodecane</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.24</td>
<td>&lt;SRL</td>
<td>U</td>
<td>1</td>
<td>0.20</td>
<td>U</td>
<td>1</td>
<td>0.13</td>
<td></td>
</tr>
</tbody>
</table>

*U - Compound was analyzed for, but was not detected at or above the SRL.*
Quality Control/Quality Assurance Report
PAMS Calibration Verification Analysis

Initial Calibration Date : 02/11/2022
Standard ID : MS1-020922-01

Instrument ID : MS01
Analysis Date : 04/04/2022
Analyst : RB

Continuing Calibration Verification

<table>
<thead>
<tr>
<th>Propane</th>
<th>xRF</th>
<th>Daily RF</th>
<th>RPD*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>698</td>
<td>737</td>
<td>5.44</td>
</tr>
</tbody>
</table>

* Must be <10%

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<table>
<thead>
<tr>
<th>Propane</th>
<th>Sample Conc. (ppbC)</th>
<th>Spike Added (ppbC)</th>
<th>Recovery (ppbC)</th>
<th>% Recovery**</th>
<th>RPD***</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.00</td>
<td>4.24</td>
<td>4.48</td>
<td>4.42</td>
<td>105.7</td>
</tr>
</tbody>
</table>

** Must be 80-120%
*** Must be <25%
# Quality Control/Quality Assurance Report

## PAMS Method Blank Analysis

**Matrix**: Air  
**Units**: ppbC  
**Instrument ID**: MS01  
**Analysis Date**: 04/04/2022  
**Analyst**: RB

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>PQL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Acetylene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Ethane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Propylene</td>
<td>&lt;PQL</td>
<td>2.0</td>
</tr>
<tr>
<td>Propane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Isobutane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>1-Butene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>n-Butane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>trans-2-Butene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>cis-2-Butene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Isopentane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>1-Pentene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>n-Pentane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Isoprene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>trans-2-Pentene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>cis-2-Pentene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>2,2-Dimethylbutane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Cyclopetane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>2,3-Dimethylbutane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>2-Methylpentane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>3-Methylpentane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>1-Hexene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>n-Hexane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Methylcyclopentane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>2,4-Dimethylpentane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Benzene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Cyclohexane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>2-Methylhexane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>2,3-Dimethylhexane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>3-Methylhexane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>2,2,4-Trimethylpentane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>n-Heptane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Methylcyclohexane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>2,3,4-Trimethylpentane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Toluene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>2-Methylheptane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>3-Methylheptane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>n-Octane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>m/p-Xylenes</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Styrene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>o-Xylene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Nonane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>Isopropylbenzene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>n-Propylbenzene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>m-Ethyltoluene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>p-Ethyltoluene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>1,3,5-Trimethylbenzene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>o-Ethyltoluene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>n-Decane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>1,2,3-Trimethylbenzene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>m-Diethylbenzene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>p-Diethylbenzene</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>n-Undecane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td>n-Dodecane</td>
<td>&lt;PQL</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>TNMHC (ppbC)</strong></td>
<td>&lt;PQL</td>
<td>20</td>
</tr>
</tbody>
</table>
### Quality Control/Quality Assurance Report
PAMS Duplicate Analysis

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Sample Analysis</th>
<th>Sample Duplicate</th>
<th>RPD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>Acetylene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>Ethane</td>
<td>28.4</td>
<td>28.2</td>
<td>0.7</td>
</tr>
<tr>
<td>Propylene</td>
<td>4.01</td>
<td>3.97</td>
<td>1.0</td>
</tr>
<tr>
<td>Propane</td>
<td>47.3</td>
<td>47.3</td>
<td>0.0</td>
</tr>
<tr>
<td>Isobutane</td>
<td>16.4</td>
<td>16.3</td>
<td>0.6</td>
</tr>
<tr>
<td>1-Butene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>n-Butane</td>
<td>38.3</td>
<td>38.2</td>
<td>0.3</td>
</tr>
<tr>
<td>trans-2-Butene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>cis-2-Butene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>Isopentane</td>
<td>16.4</td>
<td>16.3</td>
<td>0.6</td>
</tr>
<tr>
<td>1-Pentene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>n-Pentene</td>
<td>18.0</td>
<td>17.8</td>
<td>1.1</td>
</tr>
<tr>
<td>Isoprene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>trans-2-Pentene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>cis-2-Pentene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>2,2-Dimethylbutane</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>Cyclohexane</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>1,3,5-Trimethylbenzene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>o-Ethyltoluene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>n-Decane</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>1,2,3-Trimethylbenzene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>m-Diethylbenzene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>p-Diethylbenzene</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>n-Undecane</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
<tr>
<td>n-Dodecane</td>
<td>&lt;PQL</td>
<td>&lt;PQL</td>
<td>NA</td>
</tr>
</tbody>
</table>

Total PAMS (ppbC) 199 198 0.5

TNMHC (ppbC) 251 246 2.0

---

**Note:**
- PQL: Quantitation Limit
- NA: Not Available

Instrument ID: MS01
Analysis Date: 04/04/2022
Analyst: RB

---

2225 Sperry Ave., Ventura, CA 93003
www.aaclab.com
(805) 650-1642