SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Dr., Diamond Bar, CA 91765-4182  
MONITORING & ANALYSIS  
REPORT OF LABORATORY ANALYSIS  

TO: Jason Low, Ph.D.  
Atmospheric Measurements Manager  
Science and Technology Advancement  

LABORATORY NO: 1618130  
REFERENCE NO: GC6-121-102  

SAMPLE DESCRIPTION:  
24 hour Sample  
Canister # 54132  

DATE SAMPLED: 06/29/16  
DATE RECEIVED: 06/30/16  
DATE ANALYZED: 07/01/16  

ANALYZED BY: Yang Song  
REQUESTED BY: Sumner Wilson  

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ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS  
Volatile Organic Compounds (VOC) by Gas Chromatography (GC)  
and Flame Ionization Detection (FID)  

Note: See attached for speciated results.  

Date Approved: 7/8/16  
Approved By: Solomon Tefera, Acting Sr. Manager  
Laboratory Services Branch  
(909) 396-2199
LAB NO: 1618130
Location: Porter Ranch Community School

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS
Quantitation of Organic Compounds by Gas Chromatography (GC) and
Flame Ionization Detection (FID)

Sample Date: 06/29/16
Canister: 54132
Sampling Location: Porter Ranch Community School

<table>
<thead>
<tr>
<th>Compound</th>
<th>Conc. (ppbv)</th>
<th>Conc. (ppbv)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethylene</td>
<td>1.1</td>
<td>0.7-4.1</td>
</tr>
<tr>
<td>acetylene</td>
<td>1.1</td>
<td></td>
</tr>
<tr>
<td>propane</td>
<td>2.5</td>
<td>0.4-5.0</td>
</tr>
<tr>
<td>propylene</td>
<td>0.2</td>
<td>0.2-0.7</td>
</tr>
<tr>
<td>isobutane</td>
<td>0.5</td>
<td>0.2-0.9</td>
</tr>
<tr>
<td>n-butane</td>
<td>0.8</td>
<td>0.3-1.7</td>
</tr>
<tr>
<td>1-butene</td>
<td>&lt;0.1</td>
<td>0.1-0.3</td>
</tr>
<tr>
<td>trans-2-butene</td>
<td>&lt;0.1</td>
<td></td>
</tr>
<tr>
<td>cis-2-butene</td>
<td>&lt;0.1</td>
<td></td>
</tr>
<tr>
<td>isopentane</td>
<td>3.4</td>
<td></td>
</tr>
<tr>
<td>1-pentene</td>
<td>&lt;0.1</td>
<td></td>
</tr>
<tr>
<td>n-pentane</td>
<td>0.4</td>
<td>0.1-0.6</td>
</tr>
<tr>
<td>isoprene</td>
<td>0.2</td>
<td></td>
</tr>
<tr>
<td>trans-2-pentene</td>
<td>&lt;0.1</td>
<td></td>
</tr>
<tr>
<td>cis-2-pentene</td>
<td>&lt;0.1</td>
<td></td>
</tr>
<tr>
<td>2,2-dimethylbutane</td>
<td>&lt;0.1</td>
<td></td>
</tr>
<tr>
<td>cyclopentane</td>
<td>&lt;0.1</td>
<td></td>
</tr>
<tr>
<td>2,3-dimethylbutane</td>
<td>&lt;0.1</td>
<td></td>
</tr>
<tr>
<td>2-methylpentane</td>
<td>0.2</td>
<td></td>
</tr>
<tr>
<td>3-methylpentane</td>
<td>0.1</td>
<td></td>
</tr>
<tr>
<td>1-hexene</td>
<td>&lt;0.1</td>
<td>&lt;0.1-0.1</td>
</tr>
<tr>
<td>n-hexane</td>
<td>0.1</td>
<td>0.1-0.2</td>
</tr>
<tr>
<td>methylcyclopentane</td>
<td>0.1</td>
<td></td>
</tr>
<tr>
<td>2,4-dimethylpentane</td>
<td>&lt;0.1</td>
<td></td>
</tr>
<tr>
<td>benzene</td>
<td>0.2</td>
<td>0.1-0.5</td>
</tr>
<tr>
<td>cyclohexane</td>
<td>&lt;0.1</td>
<td></td>
</tr>
<tr>
<td>2-methylhexane</td>
<td>&lt;0.1</td>
<td></td>
</tr>
<tr>
<td>2,3-dimethylpentane</td>
<td>&lt;0.1</td>
<td></td>
</tr>
<tr>
<td>3-methylhexane</td>
<td>&lt;0.1</td>
<td></td>
</tr>
<tr>
<td>2,2,4-trimethylpentane</td>
<td>0.2</td>
<td></td>
</tr>
<tr>
<td>n-heptane</td>
<td>&lt;0.1</td>
<td>0.1-0.2</td>
</tr>
<tr>
<td>methylcyclohexane</td>
<td>&lt;0.1</td>
<td></td>
</tr>
</tbody>
</table>

Total NMOC, ppbC: 87
Ambient Air: 100-700 ppbC
LAB NO: 1618130  
Location: Porter Ranch Community School

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS 
Quantitation of Organic Compounds by Gas Chromatography(GC) and 
Flame Ionization Detection (FID)

<table>
<thead>
<tr>
<th>Sample Date</th>
<th>06/29/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canister</td>
<td>54132</td>
</tr>
<tr>
<td>Sampling Location</td>
<td>Porter Ranch Community School</td>
</tr>
<tr>
<td>Ambient Air</td>
<td>100-700 ppbC</td>
</tr>
<tr>
<td>Total NMOC, ppbC</td>
<td>87</td>
</tr>
</tbody>
</table>

**Compound** | **Conc. (ppbv)** | **Conc. (ppbv)** |
---|---|---|
2,3,4-trimethylpentane | <0.1 | |
Toluene | 0.4 | 0.1-0.6 |
2-methylheptane | <0.1 | |
3-methylheptane | <0.1 | |
n-octane | <0.1 | <0.1-0.3 |
Ethylbenzene | <0.1 | 0.1-0.2 |
m+p-xylene | 0.2 | 0.1-0.2 |
styrene | <0.1 | <0.1-0.2 |
o-xylene | <0.1 | 0.1-0.2 |
n-nonane | <0.1 | <0.1-0.1 |
isopropylbenzene | <0.1 | |
n-propylbenzene | <0.1 | |
m-ethyltoluene | <0.1 | |
p-ethyltoluene | <0.1 | |
1,3,5-trimethylbenzene | <0.1 | |
o-ethyltoluene | <0.1 | |
1,2,4-trimethylbenzene | <0.1 | |
n-decane | <0.1 | <0.1-0.1 |
1,2,3-trimethylbenzene | <0.1 | |
m-diethylbenzene | <0.1 | |
p-diethylbenzene | <0.1 | |
n-undecane | <0.1 | <0.1 |
n-dodecane | <0.1 | <0.1 |

NMOC = Non-Methane Organic Compounds  
N.D. = Not Detected
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
SAMPLE ANALYSIS REQUEST

TO: SCAQMD LAB: ☒ OTHER: ☐

SOURCE NAME: Southern California Gas Co. I.D. No.

Source Address: 12801 Tampa Ave City: Porter Ranch
Mailing Address: City: Zip: 91326

Contact Person: Title: Tel:

Analysis Requested by: Sumner Wilson Date: 6/30/16
Approved by: Jason Low Office: Budget #: 44716

REASON REQUESTED:
- Court/Hearing Board
- Permit Pending
- Hazardous/Toxic Spill
- Suspected Violation
- Rule(s)
- Other

Sample Collected by: Qian Zhou Date: 6/30/16 Time: 10:25am

REQUESTED ANALYSIS: PAMS analysis

<table>
<thead>
<tr>
<th>City/Location</th>
<th>Can#</th>
<th>Start day / time / duration</th>
<th>Start vac</th>
<th>End Press</th>
</tr>
</thead>
<tbody>
<tr>
<td>Porter Ranch Community Elementary School (PRCS)</td>
<td>54132</td>
<td>6/29/16 / 00:00 / 24 hours</td>
<td>&lt;30”</td>
<td>+13</td>
</tr>
</tbody>
</table>

Relinquished by: [Signature]
Received by: [Signature]
Firm/Agency: SCAQMD Lab
Date: 6/30/16 Time: 12:13

Remarks: 1:3 scheduled samples from trailer at PRCS
Porter Ranch Community School Elementary – 12450 Mason Ave, Porter Ranch, CA 91326
GPS (34.293369, -118.580505)
Left sampler, sn 4083
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
SAMPLE ANALYSIS REQUEST

TO: SCAQMD LAB: ☒ OTHER: ☐

SOURCE NAME: Southern California Gas Co. I.D. No.

Source Address: 12801 Tampa Ave City: Porter Ranch
Mailing Address: ____________________________ City: ______________ Zip: 91326
Contact Person: ____________________________ Title: ____________________ Tel: ________

Analysis Requested by: Sumner Wilson Date: 6/30/16
Approved by: Jason Low Office: ____________________ Budget #: 44716

REASON REQUESTED: Court/Hearing Board ☐ Permit Pending ☐ Hazardous/Toxic Spill ☐
Suspected Violation ☐ Rule(s) ____________________________ Other ☐

Sample Collected by: Qian Zhou Date: 6/30/16 Time: 09:50pm

REQUESTED ANALYSIS: PAMS analysis

<table>
<thead>
<tr>
<th>City/Location</th>
<th>Can#</th>
<th>Start day / time / duration</th>
<th>Start vac</th>
<th>End Press</th>
</tr>
</thead>
<tbody>
<tr>
<td>Porter Ranch / Castlebay Elem</td>
<td>54728</td>
<td>6/29/16 / 00:00 / 24 hours</td>
<td>-30&quot;</td>
<td>+12.5</td>
</tr>
</tbody>
</table>

Relinquished by ____________________________ Received by ____________________________

Firm/Agency SCAQMD Lab Date 4/30/14 Time 12:42

Remarks: 1:3 scheduled samples from trailer at Castlebay
Castlebay Lane Charter School – 19010 Castlebay Ln, Porter Ranch, CA
Left sampler, sn 3419