SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar CA 91765-1482

MONITORING & ANALYSIS  
REPORT OF LABORATORY ANALYSIS  
Page 1 of 2

TO  Jason Low  
   Atmospheric Measurements Manager  
   Science and Technology Advancement  
LABORATORY NO  1619611

DATE RECEIVED  07/15/2016

SAMPLE DESCRIBED AS  
   24 hour sample  
   Canister E4271  
FACILITY ID NO  NA

REQUESTED BY  Sumner Wilson  
ST NO / PROJECT  NA

---

Carbon monoxide (CO), methane (CH₄), carbon dioxide (CO₂), ethane (C₂H₆), and non-methane non-ethane organic carbon (NM/NEOC) in ppmvC by SCAQMD Method 25.1 (TCA FID).

<table>
<thead>
<tr>
<th>Type</th>
<th>Canister Number</th>
<th>Pressure (Torr)</th>
<th>CO, ppm</th>
<th>CH₄, ppm</th>
<th>CO₂, ppm</th>
<th>Ethane, ppmvC</th>
<th>NM/NEOC, ppmvC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>E4271</td>
<td>760</td>
<td>6</td>
<td>2</td>
<td>425</td>
<td>&lt; 1</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

Date Approved:  7/24/16  
Approved By:  Solomon Tefera, Acting Senior Manager  
Laboratory Services  
909-396-2199
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar  CA 91765-1482

MONITORING & ANALYSIS
QUALITY CONTROL SUMMARY
Page 2 of 2

SAMPLE DESCRIBED AS

24 hour sample
Canister E4271

LABORATORY NO

1619611

REQUESTED BY

Sumner Wilson

Carbon monoxide (CO), methane (CH₄), carbon dioxide (CO₂), ethane (C₂H₆), and non-methane non-ethane organic carbon (NM/NEOC) in ppnmvC by SCAQMD Method 25.1 (TCA FID).

QUALITY CONTROL -- End of run control recovery

<table>
<thead>
<tr>
<th>Sample</th>
<th>MDL</th>
<th>Theoretical</th>
<th>Measured</th>
<th>Percent Difference</th>
<th>QC Limit ±5% or ± 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC106783</td>
<td>MDL</td>
<td>MDL</td>
<td>MDL</td>
<td>MDL</td>
<td>MDL</td>
</tr>
<tr>
<td>CO, ppmvC</td>
<td>0.4</td>
<td>1.92</td>
<td>2.16</td>
<td>12.43</td>
<td>PASS</td>
</tr>
<tr>
<td>CH₄, ppmvC</td>
<td>0.3</td>
<td>2.02</td>
<td>1.83</td>
<td>-9.50</td>
<td>PASS</td>
</tr>
<tr>
<td>CO₂, ppmvC</td>
<td>0.4</td>
<td>1.57</td>
<td>3.32</td>
<td>111.58</td>
<td>FAIL</td>
</tr>
<tr>
<td>C₂H₄, ppmvC</td>
<td>0.4</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>C₂H₆, ppmvC</td>
<td>0.4</td>
<td>2.03</td>
<td>1.99</td>
<td>-2.14</td>
<td>PASS</td>
</tr>
<tr>
<td>NM/NEOC, ppmvC</td>
<td>0.5</td>
<td>2.03</td>
<td>1.94</td>
<td>-4.40</td>
<td>PASS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample</th>
<th>MDL</th>
<th>Theoretical</th>
<th>Measured</th>
<th>Percent Difference</th>
<th>QC Limit ±5% or ± 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC12628</td>
<td>MDL</td>
<td>1036</td>
<td>1053</td>
<td>1.61</td>
<td>PASS</td>
</tr>
<tr>
<td>CO, ppmvC</td>
<td>0.4</td>
<td>1068</td>
<td>1050</td>
<td>-1.68</td>
<td>PASS</td>
</tr>
<tr>
<td>CH₄, ppmvC</td>
<td>0.3</td>
<td>1022</td>
<td>1036</td>
<td>1.39</td>
<td>PASS</td>
</tr>
<tr>
<td>CO₂, ppmvC</td>
<td>0.4</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>C₂H₄, ppmvC</td>
<td>0.4</td>
<td>1044</td>
<td>1035</td>
<td>-0.84</td>
<td>PASS</td>
</tr>
<tr>
<td>C₂H₆, ppmvC</td>
<td>0.4</td>
<td>1024</td>
<td>1010</td>
<td>-1.29</td>
<td>PASS</td>
</tr>
</tbody>
</table>

DATE ANALYZED
07/15/2016

REFERENCE NO:
16QM2AD
QM2-101-116
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: 7/15/16

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: 7/15/16 Time: 11:30am

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 vac</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highlands Community</td>
<td>E4271</td>
<td>7-14-16 / 00:00 / 24 hours</td>
<td>-30”</td>
<td>+7.5</td>
</tr>
</tbody>
</table>

Relinquished by Received by Firm/Agency Date Time

Remarks: 1:3 scheduled samples from trailer
Highlands community pool parking lot. Address: 12378 High Glen Way, Northridge CA 91326 (across from 12377)
Right sampler, sn 5323