TO Andrea Polidori
   Atmospheric Measurements Manager
   Science and Technology Advancement

LABORATORY NO. 1619332-01

DATE RECEIVED 7/11/16

PROJECT/ST NO/ RULE 402

REQUESTED BY Sumner Wilson

REPORT GENERATED 1/12/2017

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS
Total Reduced Sulfur (TRS) by SCAQMD Method 307-91

Result, ppb
- t-Butyl mercaptan < 1*
- Tetrahydrothiophene (THT) < 1*
- Carbonyl sulfide/SO2 2.6*
- Total Reduced Sulfur ** 7.8*

*Calibrated using methyl mercaptan
** Note, bag blank Total Reduced Sulfur 3.9 ppb

Date Reviewed 01/12/17

Reviewed By [Signature]
Joan Niertit, Principal AQ Chemist
Laboratory Services

Date Approved 11/20/17

Approved By [Signature]
Aaron Katzenstein, Ph.D.
Senior Manager
Laboratory Services
(909) 396-2219
### Total Reduced Sulfur (TRS) by SCAQMD Method 307-91

Quality Control Tests and Results Matrix

<table>
<thead>
<tr>
<th>Sample</th>
<th>Prepared</th>
<th>Measured</th>
<th>% Recovery</th>
<th>Lab Air Blank (ppb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Mercaptan</td>
<td>1.01</td>
<td>0.94</td>
<td>93.5</td>
<td>Carbonyl Sulfide/(\text{SO}_2)</td>
</tr>
<tr>
<td>Ethyl Mercaptan</td>
<td>1.04</td>
<td>1.11</td>
<td>106.7</td>
<td>Methyl Mercaptan &lt; 1 ppb</td>
</tr>
<tr>
<td>Isopropyl Mercaptan</td>
<td>1.04</td>
<td>1.09</td>
<td>105.3</td>
<td>Ethyl Mercaptan &lt; 1 ppb</td>
</tr>
<tr>
<td>1-Propanethiol</td>
<td>1.03</td>
<td>1.32</td>
<td>128.2</td>
<td>Unknown 0.4*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Calibration Drift (ppb)</th>
<th>Prepared</th>
<th>Measured</th>
<th>% Recovery</th>
<th>N2 Bag Blank (ppb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Mercaptan</td>
<td>30.15</td>
<td>27.42</td>
<td>90.9</td>
<td>Unknown &lt; 1 ppb*</td>
</tr>
<tr>
<td>Ethyl Mercaptan</td>
<td>31.20</td>
<td>28.45</td>
<td>91.2</td>
<td>Carbonyl Sulfide/(\text{SO}_2)</td>
</tr>
<tr>
<td>Isopropyl Mercaptan</td>
<td>31.05</td>
<td>28.56</td>
<td>92.0</td>
<td>Methyl Mercaptan &lt; 1 ppb</td>
</tr>
<tr>
<td>1-Propanethiol</td>
<td>30.90</td>
<td>27.34</td>
<td>88.5</td>
<td>Ethyl Mercaptan &lt; 1 ppb</td>
</tr>
</tbody>
</table>

*Calibrated using Methyl Mercaptan
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: 12/31/15
Approved by: Jason Low Office: Budget #: 44716
REASON REQUESTED: Court/Hearing Board ☐ Permit Pending ☐ Hazardous/Toxic Spill ☐
Suspected Violation Rule(s) 402 Other ☐

Sample Collected by: Jeff Baerelsino Date: 7-11-16 Time: 10:10

REQUESTED ANALYSIS: Sulfur Analysis

<table>
<thead>
<tr>
<th>City/Location</th>
<th>Bag#</th>
<th>Start day</th>
<th>Time</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highlands Community</td>
<td>07116-01</td>
<td>07/10/16</td>
<td>23:00</td>
<td>5 min</td>
</tr>
</tbody>
</table>

Relinquished by Jeff Baerelsino Received by

Firm/Agency SCAQMD Lab Date 6-24-16 Time 12:57 PM

Remarks: Grab-Samples-collected via VeriAir Flex teflar sampling bag.

Highlands community pool parking lot. Address: 12378 High Glen Way, Northridge CA 91326 (across from 12377)