

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Dr., Diamond Bar, CA 91765-4182

MONITORING & ANALYSIS  
REPORT OF LABORATORY ANALYSIS

Page 1 of 2

TO Jason Low, Atmospheric Measurements Manager  
Monitoring & Analysis

LABORATORY NO. 1620312-01

FACILITY ID NA

SAMPLE(S) DESCRIBED AS  
1 Triggered Tedlar Bag  
Bag # 07212016-01

DATE RECEIVED 7/21/16

PROJECT/ ST NO/ RULE 402

SAMPLING LOCATION  
Highlands Community  
Pool Parking Lot

REQUESTED BY Sumner Wilson

DATE ANALYZED 7/21/16

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**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

**Total Reduced Sulfur (TRS) by SCAQMD Method 307-91**

|                                  | <b>Result*</b> |
|----------------------------------|----------------|
| t-Butyl mercaptan                | < 1 ppb        |
| Tetrahydrothiophene (THT)        | < 1 ppb        |
| Carbonyl sulfide/SO <sub>2</sub> | 2 ppb          |
| Total Reduced Sulfur             | 6 ppb          |

\*Calibrated using methyl mercaptan

Identical contaminants detected in N2 Bag Blank at 1 ppb Carbonyl Sulfide/SO<sub>2</sub> and 2 ppb TRS. Background subtraction not performed.

Date Approved: 9/6/16

Approved By: \_\_\_\_\_

*Solomon Teffera*  
Solomon Teffera, Acting Senior Manager  
Laboratory Services  
(909) 396-2199

388  
2016/09/06

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Dr., Diamond Bar, CA 91765-4182**

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**SAMPLE(S) DESCRIBED AS**  
1 Triggered Tedlar Bag  
Bag # 07212016-01

**LABORATORY NO.** 1620312-01

**REQUESTED BY** Sumner Wilson

**Total Reduced Sulfur (TRS) by SCAQMD Method 307-91  
Quality Control Tests and Results Matrix**

| <b>1 ppb Sensitivity Check</b> |                 |                 |                   | <b>Lab Air Blank (ppb)</b> |                 |
|--------------------------------|-----------------|-----------------|-------------------|----------------------------|-----------------|
|                                | <b>Prepared</b> | <b>Measured</b> | <b>% Recovery</b> |                            | <b>Measured</b> |
| Methyl Mercaptan               | 1.0             | 1.0             | 94.5              | Carbonyl Sulfide/SO2       | < 1 ppb         |
| Ethyl Mercaptan                | 1.0             | 0.9             | 89.4              | Methyl Mercaptan           | < 1 ppb         |
| Isopropyl Mercaptan            | 1.0             | 1.1             | 110.1             | Ethyl Mercaptan            | < 1 ppb         |
| 1-Propanethiol                 | 1.0             | 0.9             | 86.4              | Isopropyl Mercaptan        | < 1 ppb         |
|                                |                 |                 |                   | 1-Propanethiol             | < 1 ppb         |
|                                |                 |                 |                   | Unknown                    | < 1 ppb         |

  

| <b>30 ppb Calibration Drift Check</b> |                 |                 |                   | <b>N2 Bag Blank (ppb)</b> |                 |
|---------------------------------------|-----------------|-----------------|-------------------|---------------------------|-----------------|
|                                       | <b>Prepared</b> | <b>Measured</b> | <b>% Recovery</b> |                           | <b>Measured</b> |
| Methyl Mercaptan                      | 30.2            | 28.2            | 93.5              | Carbonyl Sulfide/SO2      | 1 ppb*          |
| Ethyl Mercaptan                       | 31.2            | 28.4            | 90.9              | Methyl Mercaptan          | < 1 ppb         |
| Isopropyl Mercaptan                   | 31.1            | 28.9            | 92.9              | Ethyl Mercaptan           | < 1 ppb         |
| 1-Propanethiol                        | 30.9            | 27.7            | 89.7              | Unknown                   | 2 ppb*          |
|                                       |                 |                 |                   | Isopropyl Mercaptan       | < 1 ppb         |
|                                       |                 |                 |                   | 1-Propanethiol            | < 1 ppb         |

\*Calibrated using methyl mercaptan

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
SAMPLE ANALYSIS REQUEST**

DISTRICT  
 INVOICE  
 LAP AUD  
 LABORATC

1620312



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 <sup>SI</sup> 7/21/16

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: Qian Zhou Date: 7/21/16 Time: 10:40

**REQUESTED ANALYSIS: Sulfur Analysis**

| City/Location       | Bag#       | Start day | Time  | Duration |
|---------------------|------------|-----------|-------|----------|
| Highlands Community | 072/246-01 | 07/21/16  | 06:16 | 5min     |
|                     |            |           |       |          |
|                     |            |           |       |          |
|                     |            |           |       |          |
|                     |            |           |       |          |

| Relinquished by | Received by        | Firm/Agency | Date     | Time   |
|-----------------|--------------------|-------------|----------|--------|
| <u>Zhouqian</u> | <u>[Signature]</u> | SCAQMD Lab  | 07/21/16 | 1:10pm |
|                 |                    |             |          |        |
|                 |                    |             |          |        |

Remarks: ~~Grab Samples collected via VeriAir Flex tedlar sampling bag~~ <sup>Q2</sup> Triggered by MOLOW

Trigger is set to 5 ppm <sup>Q2</sup>

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