

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

MONITORING & ANALYSIS  
REPORT OF LABORATORY ANALYSIS

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TO Jason Low  
Atmospheric Measurements Manager  
Science and Technology Advancement

LABORATORY NO. 1617539-01

FACILITY ID NA

SAMPLE(S) DESCRIBED AS  
Manually Triggered Sample  
Bag 002316-01

DATE RECEIVED 6/23/16

PROJECT/ ST NO/ RULE 402

SAMPLING LOCATION  
Highlands Community Center

REQUESTED BY Sumner Wilson

DATE ANALYZED 6/23/16

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ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

	Result*
t-Butyl mercaptan	< 1 ppb
Tetrahydrothiophene (THT)	< 1 ppb
Carbonyl sulfide/SO <sub>2</sub>	24 ppb
Unknown	26 ppb
Total Reduced Sulfur	50 ppb

\*Calibrated using methyl mercaptan

These results demonstrate the same contaminants and concentrations detected in sample 1616935-01.

Date Approved: 7/5/16

Approved By: 

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

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**SAMPLE(S) DESCRIBED AS**

Manually Triggered Sample  
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**LABORATORY NO.**

1617539-01

**REQUESTED BY**

Sumner Wilson

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

	<b>Control (ppb)</b>				<b>Lab Air Blank (ppb)</b>
	<b>Prepared</b>	<b>Measured</b>	<b>% Recovery</b>		<b>Measured</b>
Methyl Mercaptan	1.01	0.96	95.5	Carbonyl Sulfide/SO2	1 ppb*
Ethyl Mercaptan	1.04	1.12	107.7	Methyl Mercaptan	< 1 ppb
Isopropyl Mercaptan	1.04	0.91	87.9	Ethyl Mercaptan	< 1 ppb
1-Propanethiol	1.03	1.21	117.5	Isopropyl Mercaptan	< 1 ppb
				1-Propanethiol	< 1 ppb

	<b>Calibration Drift (ppb)</b>				<b>N2 Bag Blank (ppb)</b>
	<b>Prepared</b>	<b>Measured</b>	<b>% Recovery</b>		<b>Measured</b>
Methyl Mercaptan	30.15	32.19	106.8	Carbonyl Sulfide/SO2	2 ppb*
Ethyl Mercaptan	31.20	32.38	103.8	Ethyl Mercaptan	< 1 ppb
Isopropyl Mercaptan	31.05	30.47	98.1	Isopropyl Mercaptan	< 1 ppb
1-Propanethiol	30.90	29.8	96.4	1-Propanethiol	< 1 ppb

\*Calibrated using methyl mercaptan

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

DISTRICT  
 INVOICE  
 LAP AU  
LABORATORY



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 06/23/16

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: Gene Zhan Date: 6/23/16 Time: 9:55

**REQUESTED ANALYSIS: Sulfur Analysis**

City/Location	Bag#	Start day	Time	Duration
-01 Highlands Community	062316-01	06/23/16	9:50	5 m
-02 Highlands Community	062316-02	06/23/16	9:50	5 m

Relinquished by	Received by	Firm/Agency	Date	Time
<u>Zhan</u>	<u>[Signature]</u>	SCAQMD Lab	06/23/16	11:30 am

Remarks: Samples collected by remote lung sampler, trigger by Thermo 55i sampler  
 Q2han operated the sampler at Highlands station to collect the teller bag sample with grab bag sample. The grab bag is taken by the trigger bag sampler. 062316-01 filled w/ ~200 ml J81  
 Trigger is set to 35ppm Q2 next to Q2 06/23

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