

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 Andrea Polidori
Atmospheric Measurements Manager
Science and Technology Advancement

LABORATORY NO. 1619332-01

DATE RECEIVED 7/11/16

SAMPLE(S) DESCRIBED AS
1 Triggered Tedlar Bag

PROJECT/ ST NO/ RULE 402

REQUESTED BY Sumner Wilson

SAMPLING LOCATION
Highlands Community
Pool Parking Lot

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/SO ₂	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 
Joan Niertit, Principal AQ Chemist
Laboratory Services

Date Approved 1/20/17

Approved By 
Aaron Katzenstein, Ph.D.
Senior Manager
Laboratory Services
(909) 396-2219

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**MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS**

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SAMPLE(S) DESCRIBED AS
1 Triggered Tedlar Bag

LABORATORY NO. 1619332-01

REQUESTED BY Sumner Wilson

DATE ANALYZED 7/11/16

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

	Control (ppb)				Lab Air Blank (ppb)
	Prepared	Measured	% Recovery		Measured
Methyl Mercaptan	1.01	0.94	93.5	Carbonyl Sulfide/SO2	0.7*
Ethyl Mercaptan	1.04	1.11	106.7	Methyl Mercaptan	< 1 ppb
Isopropyl Mercaptan	1.04	1.09	105.3	Ethyl Mercaptan	< 1 ppb
1-Propanethiol	1.03	1.32	128.2	Unknown	0.4*
				Isopropyl Mercaptan	< 1 ppb
				1-Propanethiol	< 1 ppb
				Unknown	0.4*
				TRS	1.5*

	Calibration Drift (ppb)				N2 Bag Blank (ppb)
	Prepared	Measured	% Recovery		Measured
Methyl Mercaptan	30.15	27.42	90.9	Unknown	< 1 ppb*
Ethyl Mercaptan	31.20	28.45	91.2	Carbonyl Sulfide/SO2	1.5*
Isopropyl Mercaptan	31.05	28.56	92.0	Methyl Mercaptan	< 1 ppb
1-Propanethiol	30.90	27.34	88.5	Ethyl Mercaptan	< 1 ppb
				Unknown	1.7*
				Isopropyl Mercaptan	< 1 ppb
				1-Propanethiol	< 1 ppb
				Unknown	0.3*
				Unknown	0.4*
				TRS	3.9*

*Calibrated using Methyl Mercaptan

WO #: 1619332



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

- DIS'
- INV
- LAF
- LABOF

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 Baerwald Date: 7-11-16 Time: 10:10

REQUESTED ANALYSIS: Sulfur Analysis

City/Location	Bag#	Start day	Time	Duration
Highlands Community	071116-01	07/10/16 07/10/16 ^{07/11/16}	09:00	5 min

Relinquished by	Received by	Firm/Agency	Date	Time
<u>Jeff Baerwald</u>		SCAQMD Lab	<u>07/11/16</u>	<u>12:57 PM</u>

Remarks: ^{07/11/16} ~~Grab~~ Samples collected via VeriAir Flex tedlar sampling bag
Triggered

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