

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

**MONITORING & ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

**TO:** Edwin Pupka  
Sr Enforcement Manager

**LABORATORY NO:** 1530808

**REFERENCE NO:** GC6-3-63

**SAMPLE DESCRIPTION:**  
Canister: 53483

**DATE SAMPLED:** 11/03/15

**DATE RECEIVED:** 11/04/15

**DATE ANALYZED:** 11/04/15

**SAMPLE LOCATION:**  
So Cal Gas Company  
12801 Tampa Ave  
Northridge, CA 91326

**ANALYZED BY:** Yang Song

**REQUESTED BY:** Joseph Liaw

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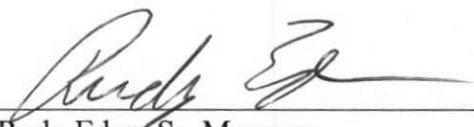
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**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

Volatile Organic Compounds (VOC) by Gas Chromatography(GC)  
and Flame Ionization Detection (FID)

Note: See attached for speciated results.

Date Approved: 11/6/15

Approved By: 

Rudy Eden, Sr. Manager  
Laboratory Services Branch  
(909) 396-2391

**LAB NO:** 1530808

**Location:** So Cal Gas Company

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

Quantitation of Organic Compounds by Gas Chromatography(GC) and  
Flame Ionization Detection (FID)

Sample Date	11/03/15	
Canister	53483	<b>Ambient Air</b>
Sampling Location	So Cal Gas Company	
<b>Identified NMOC, ppbC</b>	68	
<b>Total NMOC, ppbC</b>	74	100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethane	27	0.5-2.5
ethylene	<0.1	0.7-4.1
acetylene	0.1	
propane	1.9	0.4-5.0
propylene	<0.1	0.2-0.7
isobutane	0.2	0.2-0.9
n-butane	0.3	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	0.4	
1-pentene	N.D.	
n-pentane	<0.1	0.1-0.6
isoprene	<0.1	
trans-2-pentene	N.D.	
cis-2-pentene	N.D.	
2,2-dimethylbutane	N.D.	
cyclopentane	<0.1	
2,3-dimethylbutane	N.D.	
2-methylpentane	<0.1	
3-methylpentane	<0.1	
1-hexene	N.D.	<0.1-0.1
n-hexane	<0.1	0.1-0.2
methylcyclopentane	<0.1	
2,4-dimethylpentane	N.D.	
benzene	<0.1	0.1-0.5
cyclohexane	<0.1	
2-methylhexane	<0.1	
2,3-dimethylpentane	N.D.	
3-methylhexane	<0.1	
2,2,4-trimethylpentane	<0.1	
n-heptane	<0.1	0.1-0.2

**LAB NO:** 1530808

**Location:** So Cal Gas Company

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

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<b>Identified NMOC, ppbC</b>	68	
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<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
methylcyclohexane	<0.1	
2,3,4-trimethylpentane	N.D.	
toluene	<0.1	0.1-0.6
2-methylheptane	N.D.	
3-methylheptane	N.D.	
n-octane	<0.1	<0.1-0.3
ethylbenzene	<0.1	0.1-0.2
m+p-xylenes	<0.1	0.1-0.2
Styrene	<0.1	<0.1-0.2
o-xylene	<0.1	0.1-0.2
n-nonane	<0.1	<0.1-0.1
isopropylbenzene	<0.1	
n-propylbenzene	<0.1	
m-ethyltoluene	<0.1	
p-ethyltoluene	<0.1	
1,3,5-trimethylbenzene	N.D.	
o-ethyltoluene	<0.1	
1,2,4-trimethylbenzene	<0.1	
n-decane	<0.1	<0.1-0.1
1,2,3-trimethylbenzene	<0.1	
m-diethylbenzene	<0.1	
p-diethylbenzene	<0.1	
n-undecane	<0.1	<0.1
n-dodecane	<0.1	<0.1

NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

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

DIST  
 INVC  
LABOR



TO: SCAQMD LAB:  OTHER:

SOURCE NAME: So Cal Gas Company (Aliso Canyon) I.D. No. 800128

Source Address: 12801 Tampa Avenue City: Northridge

Mailing Address: Same City: Same Zip: 91326

Contact Person: John Clarke Title: Principle AQ Specialist Tel: (818) 700-3812

Analysis Requested by: Joseph Liaw Date: November 4, 2015

Approved by: [Signature] Office: Compliance Budget #: 50-375

REASON REQUESTED: Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill

Suspected Violation Rule(s) 402 Other Cal H&S Code 41700

Sample Collected by: Joseph Liaw Date: Nov. 3, 2015 Time: 1355 hours

Specify the description and location where the sample was collected:

Suma Canister #53483 – collected at 1355 hours, on residential street in front of [Redacted]

Analysis Requested: GCMS/Odors

Relinquished by	Received by	Firm/Agency	Date	Time
<u>[Signature]</u> Joseph Liaw	<u>[Signature]</u>	<u>SCAAMD Lab</u>	<u>11/4/15</u>	<u>8:02</u>

Remarks: Please expedite and send laboratory results to Edwin Pupka, Sr. Enforcement Manager, Engineering & Compliance

GCG-3-63