

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

**MONITORING & ANALYSIS  
REPORT OF LABORATORY ANALYSIS**


<b>TO:</b> Cher Snyder Assistant DEO	<b>LABORATORY NO:</b> <u>1532213</u>
	<b>REFERENCE NO:</b> <u>GC6-3-64</u>
<b>SAMPLE DESCRIPTION:</b> Canisters 54157	<b>DATE SAMPLED:</b> <u>11/17/15</u>
	<b>DATE RECEIVED:</b> <u>11/18/15</u>
	<b>DATE ANALYZED:</b> <u>11/18/15</u>
<b>SAMPLE LOCATION:</b> So Cal Gas Company 12801 Tampa Ave Northridge, CA 91326	<b>ANALYZED BY:</b> <u>Yang Song</u>
	<b>REQUESTED BY:</b> <u>Joseph Liaw</u>

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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)

Canister	NMOC (ppbC)
54157	1260

Note: See attached for speciated results.

Date Approved: 11/25/15 Approved By:   
Rudy Eden, Sr. Manager  
Laboratory Services Branch  
(909) 396-2391

**LAB NO:** 1532213

**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	11/17/15	
Canister	54157	<b>Ambient Air</b>
Sampling Location	So Cal Gas Company	
<b>Identified NMOC, ppbC</b>	333	
<b>Total NMOC, ppbC</b>	1260	100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	<0.1	0.7-4.1
acetylene	<0.1	
propane	35	0.4-5.0
propylene	<0.1	0.2-0.7
isobutane	3.5	0.2-0.9
n-butane	4.0	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	1.3	
1-pentene	N.D.	
n-pentane	0.9	0.1-0.6
isoprene	<0.1	
trans-2-pentene	N.D.	
cis-2-pentene	N.D.	
2,2-dimethylbutane	<0.1	
cyclopentane	<0.1	
2,3-dimethylbutane	<0.1	
2-methylpentane	0.2	
3-methylpentane	0.1	
1-hexene	<0.1	<0.1-0.1
n-hexane	0.3	0.1-0.2
methylcyclopentane	0.2	
2,4-dimethylpentane	<0.1	
benzene	0.2	0.1-0.5
cyclohexane	0.2	
2-methylhexane	<0.1	
2,3-dimethylpentane	<0.1	
3-methylhexane	<0.1	
2,2,4-trimethylpentane	<0.1	
n-heptane	0.1	0.1-0.2
methylcyclohexane	0.3	

**LAB NO:** 1532213

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Flame Ionization Detection (FID)

Sample Date	11/17/15	
Canister	54157	<b>Ambient Air</b>
Sampling Location	So Cal Gas Company	
<b>Identified NMOC, ppbC</b>	333	
<b>Total NMOC, ppbC</b>	1260	100-700 ppbC

<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
2,3,4-trimethylpentane	<0.1	
toluene	0.2	0.1-0.6
2-methylheptane	<0.1	
3-methylheptane	<0.1	
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	N.D.	
1,3,5-trimethylbenzene	<0.1	
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  
 INVO  
LABOR.

WO #: 1532213



TO: SCAQMD LAB: X 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 18, 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. 17, 2015 Time: 1538 hours

Specify the description and location where the sample was collected:

Suma Canister #54157 – collected at 1538 hours, on residential street in front of [Redacted]

Analysis Requested: GCMS/Odors

Relinquished by	Received by	Firm/Agency	Date	Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>SCAQMD Lab</u>	<u>11/18/15</u>	<u>1000 hrs</u>

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