

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

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

**TO:** Jason Low, Ph.D.  
Atmospheric Measurements Manager  
Science and Technology Advancement

**LABORATORY NO:** 1622944

**REFERENCE NO:** GC6-121-108

**SAMPLE DESCRIPTION:**  
Triggered Sample  
Canister # 54037

**DATE SAMPLED:** 08/16/16

**DATE RECEIVED:** 08/16/16

**DATE ANALYZED:** 08/17/16

**SAMPLE LOCATION:**  
Highlands Community

**ANALYZED BY:** Yang Song


**REQUESTED BY:** Sumner Wilson

---

---

**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: 9/20/16 Approved By:   
Solomon Teffera, Acting Sr. Manager  
Laboratory Services Branch  
(909) 396-2199

**LAB NO: 1622944**

**Location: Highlands Community Center**

---

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

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

Sample Date 08/16/16  
Canister 54037  
**Sampling Location Highlands Community Center** **Ambient Air**  
**Total NMOC, ppbC 1930** 100-700 ppbC

<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
ethylene	0.9	0.7-4.1
acetylene	0.8	
propane	2.7	0.4-5.0
propylene	0.5	0.2-0.7
isobutane	75	0.2-0.9
n-butane	33	0.3-1.7
1-butene	0.4	0.1-0.3
trans-2-butene	0.4	
cis-2-butene	0.5	
isopentane	<0.1	
1-pentene	0.5	
n-pentane	0.6	0.1-0.6
isoprene	0.7	
trans-2-pentene	20	
cis-2-pentene	1.4	
2,2-dimethylbutane	N.D.	
cyclopentane	<0.1	
2,3-dimethylbutane	<0.1	
2-methylpentane	2.4	
3-methylpentane	<0.1	
1-hexene	4.7	<0.1-0.1
n-hexane	<0.1	0.1-0.2
methylcyclopentane	<0.1	
2,4-dimethylpentane	1.7	
benzene	<0.1	0.1-0.5
cyclohexane	<0.1	
2-methylhexane	<0.1	
2,3-dimethylpentane	1.1	
3-methylhexane	<0.1	
2,2,4-trimethylpentane	0.3	
n-heptane	<0.1	0.1-0.2
methylcyclohexane	<0.1	

**LAB NO: 1622944**

**Location: Highlands Community Center**

---

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

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

Sample Date 08/16/16  
Canister 54037  
**Sampling Location Highlands Community Center** **Ambient Air**  
**Total NMOC, ppbC 1930** 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	9.1	0.1-0.6
2-methylheptane	0.4	
3-methylheptane	0.3	
n-octane	0.3	<0.1-0.3
ethylbenzene	0.2	0.1-0.2
m+p-xylenes	0.8	0.1-0.2
styrene	0.4	<0.1-0.2
o-xylene	0.7	0.1-0.2
n-nonane	0.1	<0.1-0.1
isopropylbenzene	0.2	
n-propylbenzene	<0.1	
m-ethyltoluene	0.1	
p-ethyltoluene	<0.1	
1,3,5-trimethylbenzene	<0.1	
o-ethyltoluene	<0.1	
1,2,4-trimethylbenzene	<0.1	
n-decane	0.2	<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

1622944



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

DIS  
 INV  
 LAI  
LABO

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: 8/16/16

Approved by: Jason Low Office: \_\_\_\_\_ Budget #: 44716

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

Suspected Violation Rule(s) \_\_\_\_\_ Other

Sample Collected by: Qian Zhou Date: 8/16/16 Time: 11:50

**REQUESTED ANALYSIS: PAMS anal**

City/Location	Can#	Start day / time/ durat	rt vac	End vac
Highlands Community	54037	8/16/16 / 06:33 / 5 min	-30"	0

Relinquished by	Received by	Firm/Agency	Date	Time
<i>zhongqian</i>	<i>[Signature]</i>	SCAQMD Lab	8/16/2016	14:25

Remarks: Samples collected by passive sampling via the XonTech 912 triggered by the Thermo 55i NMHC.

Trigger is set to 5ppm

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