

**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:** 1621116

**REFERENCE NO:** GC6-121-106

**SAMPLE DESCRIPTION:**  
24 hr Sample  
Canister # 54092

**DATE SAMPLED:** 07/29/16

**DATE RECEIVED:** 08/02/16

**DATE ANALYZED:** 08/03/16

**SAMPLE LOCATION:**  
Highlands Community Center

**ANALYZED BY:** Yang Song

**REQUESTED BY:** Sumner Wilson

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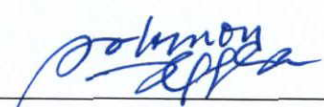
**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

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

Note: See attached for speciated results.

Date Approved: 8/5/16

Approved By: \_\_\_\_\_

  
Solomon Teffera, Acting Sr. Manager  
Laboratory Services Branch  
(909) 396-2199

**LAB NO: 1621116**

**Location: Highlands Community Center**

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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 07/29/16  
Canister 54092  
**Sampling Location Highlands Community Center Ambient Air**  
**Total NMOC, ppbC 196 100-700 ppbC**

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	6.7	0.7-4.1
acetylene	22	
propane	2.2	0.4-5.0
propylene	1.7	0.2-0.7
isobutane	0.6	0.2-0.9
n-butane	1.0	0.3-1.7
1-butene	0.3	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	4.0	
1-pentene	<0.1	
n-pentane	0.9	0.1-0.6
isoprene	0.5	
trans-2-pentene	<0.1	
cis-2-pentene	<0.1	
2,2-dimethylbutane	<0.1	
cyclopentane	<0.1	
2,3-dimethylbutane	0.2	
2-methylpentane	0.5	
3-methylpentane	0.3	
1-hexene	<0.1	<0.1-0.1
n-hexane	0.4	0.1-0.2
methylcyclopentane	0.3	
2,4-dimethylpentane	0.2	
benzene	0.7	0.1-0.5
cyclohexane	0.2	
2-methylhexane	0.2	
2,3-dimethylpentane	0.3	
3-methylhexane	0.2	
2,2,4-trimethylpentane	0.5	
n-heptane	0.2	0.1-0.2
methylcyclohexane	0.1	

**LAB NO: 1621116**

**Location: Highlands Community Center**

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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 07/29/16  
Canister 54092  
Sampling Location **Highlands Community Center** Ambient Air  
Total NMOC, ppbC 196 100-700 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	0.8	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	0.4	0.1-0.2
styrene	<0.1	<0.1-0.2
o-xylene	0.2	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	<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**

DIS  
 INV  
 LAP  
LABOI

WO #: 1621116



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: 8/2/16  
 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: 8/2/16 Time: 11:45am

**REQUESTED ANALYSIS: PAMS analysis**

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Highlands Community	54092	7-29-16 / 00:00 / 24 hours	-30"	+11.5

Relinquished by	Received by	Firm/Agency	Date	Time
zhangqian	<i>[Signature]</i>	SCAQMD Lab	08/02/16	15:27

Remarks 1:6 scheduled samples from trailer  
 Highlands community pool parking lot. Address: 12378 High Glen Way, Northridge CA 91326 (across from 12377)  
 Right sampler, sn 5323