

**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.  
Assistant Deputy Executive Officer  
Science and Technology Advancement

**LABORATORY NO:** 1626736

**REFERENCE NO:** GC6-121-112

**SAMPLE DESCRIPTION:**  
Triggered Sample  
Canister # 54041

**DATE SAMPLED:** 09/23/16

**DATE RECEIVED:** 09/23/16

**DATE ANALYZED:** 10/01/16

**SAMPLE LOCATION:**  
Highlands Community Center

**ANALYZED BY:** Yang Song

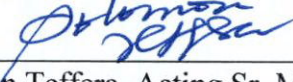
**REQUESTED BY:** Sumner Wilson

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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: 10/14/16 Approved By:   
Solomon Teffera, Acting Sr. Manager  
Laboratory Services Branch  
(909) 396-2199

**LAB NO: 1626736**

**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	09/23/16	
Canister	54041	
<b>Sampling Location</b>	<b>Highlands Community Center</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	971	100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.4	0.7-4.1
acetylene	0.2	
propane	0.6	0.4-5.0
propylene	0.1	0.2-0.7
isobutane	0.2	0.2-0.9
n-butane	0.8	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	0.1	
cis-2-butene	0.2	
isopentane	17	
1-pentene	0.2	
n-pentane	9.7	0.1-0.6
isoprene	0.1	
trans-2-pentene	0.6	
cis-2-pentene	0.3	
2,2-dimethylbutane	0.3	
cyclopentane	1.1	
2,3-dimethylbutane	3.3	
2-methylpentane	9.6	
3-methylpentane	6.7	
1-hexene	0.2	<0.1-0.1
n-hexane	7.8	0.1-0.2
methylcyclopentane	6.0	
2,4-dimethylpentane	3.8	
benzene	1.9	0.1-0.5
cyclohexane	1.9	
2-methylhexane	4.1	
2,3-dimethylpentane	5.4	
3-methylhexane	4.5	
2,2,4-trimethylpentane	7.1	
n-heptane	3.1	0.1-0.2
methylcyclohexane	1.5	

**LAB NO: 1626736**

**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	09/23/16	
Canister	54041	
<b>Sampling Location</b>	<b>Highlands Community Center</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	971	100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
2,3,4-trimethylpentane	1.6	
toluene	11	0.1-0.6
2-methylheptane	1.3	
3-methylheptane	1.4	
n-octane	1.0	<0.1-0.3
ethylbenzene	1.4	0.1-0.2
m+p-xylenes	5.5	0.1-0.2
styrene	0.2	<0.1-0.2
o-xylene	1.9	0.1-0.2
n-nonane	0.3	<0.1-0.1
isopropylbenzene	0.2	
n-propylbenzene	0.2	
m-ethyltoluene	0.6	
p-ethyltoluene	0.3	
1,3,5-trimethylbenzene	0.2	
o-ethyltoluene	0.2	
1,2,4-trimethylbenzene	0.8	
n-decane	<0.1	<0.1-0.1
1,2,3-trimethylbenzene	0.2	
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**

DISTRICT INFORMATION  
 1626736  


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: 9/23/16  
 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: 9/23/16 Time: 13:05

**REQUESTED ANALYSIS: PAMS analysis**

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Highlands Community	54041	9/23/16 / 06:50 / 5 min	-30"	-2"

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Zhou</i>	<i>Q. Zhou</i>	SCAQMD Lab	09/23/16	1750

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)