

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: 1615411

REFERENCE NO: GC6-121-98

SAMPLE DESCRIPTION:
24 hr sample
Canister # 54598

DATE SAMPLED: 06/02/16

DATE RECEIVED: 06/03/16

DATE ANALYZED: 06/03/16

SAMPLE LOCATION:
Highlands Community Center

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: 6/7/16

Approved By: 

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

LAB NO: 1615411

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 06/02/16
Canister 54598
Sampling Location **Highlands Community Center** **Ambient Air**
Total NMOC, ppbC 94 100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	1.3	0.7-4.1
acetylene	1.0	
propane	2.4	0.4-5.0
propylene	0.4	0.2-0.7
isobutane	0.5	0.2-0.9
n-butane	0.8	0.3-1.7
1-butene	0.2	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	3.9	
1-pentene	<0.1	
n-pentane	0.4	0.1-0.6
isoprene	0.2	
trans-2-pentene	<0.1	
cis-2-pentene	<0.1	
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	0.1	0.1-0.2
methylcyclopentane	0.1	
2,4-dimethylpentane	<0.1	
benzene	0.2	0.1-0.5
cyclohexane	<0.1	
2-methylhexane	<0.1	
2,3-dimethylpentane	<0.1	
3-methylhexane	<0.1	
2,2,4-trimethylpentane	0.2	

LAB NO: 1615411

Location: Highlands Community Center

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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Flame Ionization Detection (FID)

Sample Date 06/02/16
Canister 54598
Sampling Location **Highlands Community Center** **Ambient Air**
Total NMOC, ppbC 94 100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
n-heptane	<0.1	0.1-0.2
methylcyclohexane	<0.1	
2,3,4-trimethylpentane	<0.1	
toluene	0.4	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	<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

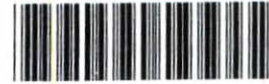
NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

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

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WO #: 1615411



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: 6/316
 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: 6/3/16 Time: 10:05am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Highlands Community	54598	6-2-16 / 00:00 / 24 hours	-30"	+10

Relinquished by	Received by	Firm/Agency	Date	Time
<i>zhongqian</i>	<i>A. L. ...</i>	SCAQMD Lab	6-3-16	12:33

Remarks 1:3 scheduled samples from trailer

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

Right sampler, sn 5323