

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

**MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS**

TO: Cher Snyder
Assistant DEO
Engineering and Compliance

LABORATORY NO: 1604719

REFERENCE NO: GC6-121-75
02/12/16

SAMPLE DESCRIPTION:
24 hour Samples
Canisters: 54546
54213

DATE SAMPLED: and 02/15/16

DATE RECEIVED: 02/16/16

SAMPLE LOCATION:
Highlands Community
Pool Parking Lot

DATE ANALYZED: 02/18/16

ANALYZED BY: Brian Sinajon

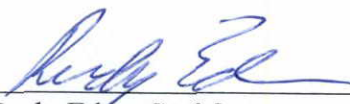
REQUESTED BY: Sumner Wilson

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Notes: 1. See attached for speciated results.

Date Approved: 3/24/16

Approved By: 
Rudy Eden, Sr. Manager
Laboratory Services Branch
(909) 396-2391

LAB NO: 1604719**Location: Highlands Community****ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

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

Sample Date	02/12/16	02/15/16	
Canister	54546	54213	
Sampling Location	Highlands Community Pool Parking Lot	Highlands Community Pool Parking Lot	Ambient Air
Total NMOC, ppbC	724	1030	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.9	0.2	0.7-4.1
acetylene	0.7	0.2	
propane	3.8	1.1	0.4-5.0
propylene	0.3	<0.1	0.2-0.7
isobutane	0.7	<0.1	0.2-0.9
n-butane	1.7	0.2	0.3-1.7
1-butene	<0.1	<0.1	0.1-0.3
trans-2-butene	<0.1	N.D.	
cis-2-butene	<0.1	<0.1	
isopentane	6.9	9.0	
1-pentene	<0.1	<0.1	
n-pentane	86	124	0.1-0.6
isoprene	0.4	0.6	
trans-2-pentene	N.D.	N.D.	
cis-2-pentene	<0.1	0.3	
2,2-dimethylbutane	<0.1	<0.1	
cyclopentane	<0.1	<0.1	
2,3-dimethylbutane	<0.1	<0.1	
2-methylpentane	0.2	0.2	
3-methylpentane	0.2	0.3	
1-hexene	<0.1	<0.1	<0.1-0.1
n-hexane	0.3	0.7	0.1-0.2
methylcyclopentane	0.2	0.4	
2,4-dimethylpentane	<0.1	0.1	
benzene	0.2	0.1	0.1-0.5
cyclohexane	0.1	0.1	
2-methylhexane	0.2	0.3	
2,3-dimethylpentane	0.1	0.2	
3-methylhexane	0.4	0.8	
2,2,4-trimethylpentane	0.1	<0.1	
n-heptane	0.2	0.2	0.1-0.2
methylcyclohexane	<0.1	<0.1	

LAB NO: 1604719

Location: Highlands Community

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<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
2,3,4-trimethylpentane	<0.1	<0.1	
toluene	5.1	14	0.1-0.6
2-methylheptane	<0.1	<0.1	
3-methylheptane	<0.1	N.D.	
n-octane	0.1	0.1	<0.1-0.3
ethylbenzene	<0.1	<0.1	0.1-0.2
m+p-xylenes	0.2	0.1	0.1-0.2
styrene	0.3	0.9	<0.1-0.2
o-xylene	<0.1	<0.1	0.1-0.2
n-nonane	<0.1	<0.1	<0.1-0.1
isopropylbenzene	<0.1	<0.1	
n-propylbenzene	<0.1	<0.1	
m-ethyltoluene	<0.1	<0.1	
p-ethyltoluene	<0.1	<0.1	
1,3,5-trimethylbenzene	<0.1	<0.1	
o-ethyltoluene	<0.1	<0.1	
1,2,4-trimethylbenzene	<0.1	<0.1	
n-decane	<0.1	<0.1	<0.1-0.1
1,2,3-trimethylbenzene	<0.1	0.2	
m-diethylbenzene	<0.1	<0.1	
p-diethylbenzene	<0.1	<0.1	
n-undecane	<0.1	<0.1	<0.1
n-dodecane	<0.1	<0.1	<0.1

NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

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

DIST
 INV
 LAF
 LABO

WO #: 1604719



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: 2/16/2016
 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: Q Zhou Date: 2/16/2016 Time: 10:50am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Highlands Community	54546	2-12-16 / 00:00 / 24 hours	-30"	-9"
Highlands Community	54213	2-15-16 / 00:00 / 24 hours	-30"	-6"

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Zhang</i>	<i>JL</i>	SCAQMD Lab	2/16/16	1423

Remarks: 3 scheduled samples from trailer

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