

**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: 1604128

REFERENCE NO: GC7-117-116

SAMPLE DESCRIPTION:

Triggered Samples
Canisters: 53391
53393

DATE SAMPLED: 02/09/16

DATE RECEIVED: 02/10/16

DATE ANALYZED: 02/17/16

SAMPLE LOCATION:

Highlands Community
Pool Parking Lot

ANALYZED BY: Brian Sinajon

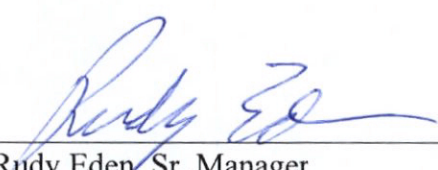
REQUESTED BY: Sumner Wilson

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Note: See attached for speciated results.

Date Approved: 2/23/16

Approved By: 

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

LAB NO: 1604128

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	02/09/16	02/09/16	
Canister	53391	53393	
Sampling Location	Highlands Community	Highlands Community	Ambient Air
	Pool Parking Lot	Pool Parking Lot	
Total NMOC, ppbC	2440	4650	100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.1	0.1	0.7-4.1
acetylene	0.3	0.3	
propane	83	162	0.4-5.0
propylene	<0.1	<0.1	0.2-0.7
isobutane	10	20	0.2-0.9
n-butane	12	23	0.3-1.7
1-butene	0.1	0.2	0.1-0.3
trans-2-butene	<0.1	<0.1	
cis-2-butene	N.D.	N.D.	
isopentane	4.5	7.6	
1-pentene	N.D.	<0.1	
n-pentane	7.1	8.8	0.1-0.6
isoprene	<0.1	<0.1	
trans-2-pentene	N.D.	N.D.	
cis-2-pentene	<0.1	<0.1	
2,2-dimethylbutane	0.1	0.2	
cyclopentane	0.2	0.5	
2,3-dimethylbutane	0.1	0.3	
2-methylpentane	0.7	1.3	
3-methylpentane	0.4	0.7	
1-hexene	N.D.	N.D.	<0.1-0.1
n-hexane	0.7	1.3	0.1-0.2
methylcyclopentane	0.6	1.2	
2,4-dimethylpentane	<0.1	<0.1	
benzene	0.4	0.7	0.1-0.5
cyclohexane	0.6	1.1	
2-methylhexane	0.1	0.3	
2,3-dimethylpentane	<0.1	0.1	
3-methylhexane	0.2	0.4	
2,2,4-trimethylpentane	0.2	0.3	
n-heptane	0.2	0.4	0.1-0.2
methylcyclohexane	0.7	1.3	

LAB NO: 1604128

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	02/09/16	02/09/16	
Canister	53391	53393	
Sampling Location	Highlands Community	Highlands Community	Ambient Air
	Pool Parking Lot	Pool Parking Lot	
Total NMOC, ppbC	2440	4650	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
2,3,4-trimethylpentane	<0.1	<0.1	
toluene	1.0	1.3	0.1-0.6
2-methylheptane	<0.1	0.1	
3-methylheptane	<0.1	<0.1	
n-octane	0.1	0.3	<0.1-0.3
ethylbenzene	<0.1	<0.1	0.1-0.2
m+p-xylenes	0.1	0.2	0.1-0.2
styrene	<0.1	<0.1	<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	N.D.	<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	<0.1	
m-diethylbenzene	N.D.	N.D.	
p-diethylbenzene	N.D.	N.D.	
n-undecane	N.D.	<0.1	<0.1
n-dodecane	N.D.	N.D.	<0.1

NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

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

DIST
 INVC
 LAP
LABOR

WO #: 1604128



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: 2/10/16
 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: Q. Zhou Date: 2/10/16 Time: 9:50

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Highlands Community	53391	2-9-16 / 18:52 / 5 min	-30"	-7"
Highlands Community	53393	2-9-16 / 19:30 / 5 min	-30"	-3"

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Zhouqian</i>	<i>[Signature]</i>	SCAQMD Lab	2/10/16	13:53

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

Trigger is set to 35ppm

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