

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

**MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS**

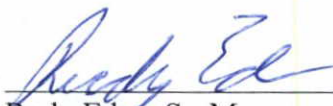
TO: Cher Snyder Assistant DEO Engineering and Compliance	LABORATORY NO: <u>1604231</u>
	REFERENCE NO: <u>GC7-117-116</u>
SAMPLE DESCRIPTION: Triggered Samples Canister: E0746 54013	DATE SAMPLED: <u>02/10/16</u>
	DATE RECEIVED: <u>02/11/16</u>
	DATE ANALYZED: <u>02/17/16</u>
SAMPLE LOCATION: Highlands Community Pool Parking Lot	ANALYZED BY: <u>Brian Sinajon</u>
	REQUESTED BY: <u>Sumner Wilson</u>

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: 3/24/16

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

LAB NO: 1604231**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	02/10/16	02/10/16	
Canister	E0746	54013	
Sampling Location	Highlands Community	Highlands Community	Ambient Air
	Pool Parking Lot	Pool Parking Lot	
Total NMOC, ppbC	2910	2530	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	3.9	0.3	0.7-4.1
acetylene	0.4	0.4	
propane	100	82	0.4-5.0
propylene	0.2	0.1	0.2-0.7
isobutane	12	10	0.2-0.9
n-butane	15	12	0.3-1.7
1-butene	<0.1	<0.1	0.1-0.3
trans-2-butene	<0.1	<0.1	
cis-2-butene	N.D.	N.D.	
isopentane	5.1	5.2	
1-pentene	<0.1	<0.1	
n-pentane	7.7	25	0.1-0.6
isoprene	<0.1	0.2	
trans-2-pentene	N.D.	N.D.	
cis-2-pentene	<0.1	0.2	
2,2-dimethylbutane	0.1	0.1	
cyclopentane	0.3	0.3	
2,3-dimethylbutane	0.2	0.2	
2-methylpentane	0.8	0.8	
3-methylpentane	0.5	0.5	
1-hexene	<0.1	<0.1	<0.1-0.1
n-hexane	0.8	0.9	0.1-0.2
methylcyclopentane	0.8	0.7	
2,4-dimethylpentane	<0.1	<0.1	
benzene	0.5	0.4	0.1-0.5
cyclohexane	0.7	0.6	
2-methylhexane	0.2	0.2	
2,3-dimethylpentane	<0.1	0.1	
3-methylhexane	0.3	0.4	
2,2,4-trimethylpentane	0.2	0.2	
n-heptane	0.3	0.3	0.1-0.2
methylcyclohexane	0.8	0.7	

LAB NO: 1604231

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	02/10/16	02/10/16	
Canister	E0746	54013	
Sampling Location	Highlands Community	Highlands Community	Ambient Air
	Pool Parking Lot	Pool Parking Lot	
Total NMOC, ppbC	2910	2530	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	1.1	3.4	0.1-0.6
2-methylheptane	<0.1	<0.1	
3-methylheptane	<0.1	<0.1	
n-octane	0.2	0.2	<0.1-0.3
ethylbenzene	<0.1	<0.1	0.1-0.2
m+p-xylenes	0.2	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	N.D.	
1,3,5-trimethylbenzene	<0.1	<0.1	
o-ethyltoluene	<0.1	N.D.	
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	<0.1	N.D.	
p-diethylbenzene	<0.1	<0.1	
n-undecane	<0.1	<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**

DISTRI
 INVOIC
 LAP AI
LABORA

WO #: 1604231



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: 2/11/16

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: R. Wimmer/Q. Zhou Date: 2/11/16 Time: 10:25

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Highlands Community	E0746	2-10-16 / 20:12 / 5 min	-30"	-2"
Highlands Community	54013	2-10-16 / 20:48 / 5 min	-30"	-4"

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Zhongian</i>	<i>John McLaughlin</i>	SCAQMD Lab	2/11/16	13:40

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)