

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: 1607818

REFERENCE NO: GC6-3-81

SAMPLE DESCRIPTION:
Triggered Sample
Canister: E5112

DATE SAMPLED: 03/18/16

DATE RECEIVED: 03/18/16

DATE ANALYZED: 03/19/16

SAMPLE LOCATION:
Highlands Community
Pool Parking Lot

ANALYZED BY: Yang Song

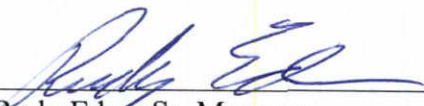
REQUESTED BY: Sumner Wilson

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: 3/24/16

Approved By: 

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

LAB NO: 1607818

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 03/18/16
Canister E5112
Sampling Location **Highlands Community** **Ambient Air**
Pool Parking Lot
Total NMOC, ppbC 198 100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.9	0.7-4.1
acetylene	0.8	
propane	2.2	0.4-5.0
propylene	0.2	0.2-0.7
isobutane	0.5	0.2-0.9
n-butane	0.9	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	3.9	
1-pentene	<0.1	
n-pentane	1.8	0.1-0.6
isoprene	<0.1	
trans-2-pentene	0.1	
cis-2-pentene	<0.1	
2,2-dimethylbutane	0.2	
cyclopentane	0.2	
2,3-dimethylbutane	0.4	
2-methylpentane	1.3	
3-methylpentane	0.8	
1-hexene	<0.1	<0.1-0.1
n-hexane	0.9	0.1-0.2
methylcyclopentane	1.0	
2,4-dimethylpentane	0.3	
benzene	0.4	0.1-0.5
cyclohexane	0.4	
2-methylhexane	0.5	
2,3-dimethylpentane	0.4	
3-methylhexane	0.5	
2,2,4-trimethylpentane	0.8	
n-heptane	0.4	0.1-0.2
methylcyclohexane	0.3	

LAB NO: 1607818
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	03/18/16	
Canister	E5112	
Sampling Location	Highlands Community Pool Parking Lot	Ambient Air
Total NMOC, ppbC	198	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
2,3,4-trimethylpentane	0.2	
toluene	1.7	0.1-0.6
2-methylheptane	0.2	
3-methylheptane	0.2	
n-octane	0.1	<0.1-0.3
ethylbenzene	0.2	0.1-0.2
m+p-xylenes	1.0	0.1-0.2
styrene	<0.1	<0.1-0.2
o-xylene	0.3	0.1-0.2
n-nonane	<0.1	<0.1-0.1
isopropylbenzene	<0.1	
n-propylbenzene	<0.1	
m-ethyltoluene	0.2	
p-ethyltoluene	<0.1	
1,3,5-trimethylbenzene	<0.1	
o-ethyltoluene	0.1	
1,2,4-trimethylbenzene	0.3	
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**

DISTR
 INVOI
 LAP A
 LABORA

WO #: 1607818



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: 3/18/16

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: 3/18/16 Time: 8:30am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Highlands Community	E5112	3-18-16 / 06:28 / 5 min	-30"	-2"

Relinquished by	Received by	Firm/Agency	Date	Time
<i>zhugian</i>	<i>Lh</i>	SCAQMD Lab	3/18/16	11:43

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)