

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

**MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS**

TO: Jason Low
Atmospheric Measurements Manager

LABORATORY NO: 1609813

REFERENCE NO: GC6-121-88

SAMPLE DESCRIPTION:
Triggered Sample
Canister # 54322

DATE SAMPLED: 04/07/16

DATE RECEIVED: 04/07/16

DATE ANALYZED: 04/08/16

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: 4/12/16

Approved By: 
Solomon Teffera, Acting Manager
Laboratory Services Branch
(909) 396-2199

Lab Number: 1609813

Location: Highlands Community Pool Parking Lot

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Sample Date	04/07/16	Typical
Canister	54322	Ambient Air
Sampling Location	Highlands Community Pool Parking Lot	
Total NMOC, ppbC	118	100-700
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	4.5	0.7-4.1
acetylene	21	----
propane	1.9	0.4-5
propylene	1.0	0.2-0.7
isobutane	0.5	0.2-0.9
n-butane	0.9	0.3-1.7
1-butene	0.2	0.1-0.3
trans-2-butene	0.2	----
cis-2-butene	<0.1	----
isopentane	2.6	----
1-pentene	<0.1	----
n-pentane	2.1	0.1-0.6
isoprene	<0.1	----
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	0.4	----
3-methylpentane	0.3	----
1-hexene	<0.1	<0.1-0.1
n-hexane	0.3	0.1-0.2
methylcyclopentane	0.3	----
2,4-dimethylpentane	0.1	----
benzene	0.6	0.1-0.5
cyclohexane	0.1	----
2-methylhexane	0.2	----
2,3-dimethylpentane	0.2	----
3-methylhexane	0.2	----
2,2,4-trimethylpentane	0.4	----
n-heptane	0.2	0.1-0.2

Lab Number: 1609813

Location: Highlands Community Pool Parking Lot

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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Flame Ionization Detection (FID)

Sample Date	04/07/16	Typical
Canister	54322	Ambient Air
Sampling Location	Highlands Community Pool Parking Lot	
Total NMOC, ppbC	118	100-700
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
methylcyclohexane	0.1	----
2,3,4-trimethylpentane	<0.1	----
toluene	1.0	0.1-0.6
2-methylheptane	<0.1	----
3-methylheptane	<0.1	----
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	0.4	<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	<0.10
n-dodecane	<0.1	<0.10

NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

Sample diluted prior to injection. Final ppbv values reported are the corrected values.

Pressure (initial)=709.4 torr, pressure (final) = 1219.4 torr

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

DISTRICT
 INVOICE
 LAP AL
LABORATORY

WO #: 1609813



TO: SCAQMD LAB: OTHER:

SOURCE NAME: Southern California Gas Co. No. _____

Source Address: 12801 Tampa Ave City Porter Ranch

Mailing Address: _____ City: _____ Zip: 91326

Contact Person: _____ Title: _____ Tel: _____

Analysis Requested by: Sumner Wilson Date: 4/7/16

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: 4/7/16 Time: 9:30am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Highlands Community	54322	4-7-16 / 07:13 / 5 min	-30"	-5"

Relinquished by	Received by	Firm/Agency	Date	Time
<i>zhugian</i>	<i>[Signature]</i>	SCAQMD Lab	2:49pm	4/7/16

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)