

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

MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS

TO: Jason Low, Ph.D.
Assistant Deputy Executive Officer
Science and Technology Advancement

LABORATORY NO: 1627412

REFERENCE NO: GC6-121-113

SAMPLE DESCRIPTION:
Triggered Samples
Canister #s 54212
54718

DATE SAMPLED: 09/30/16

DATE RECEIVED: 09/30/16

DATE ANALYZED: 10/06/16

SAMPLE LOCATION:
Highlands Community Center

ANALYZED BY: Yang Song


REQUESTED BY: Sumner Wilson

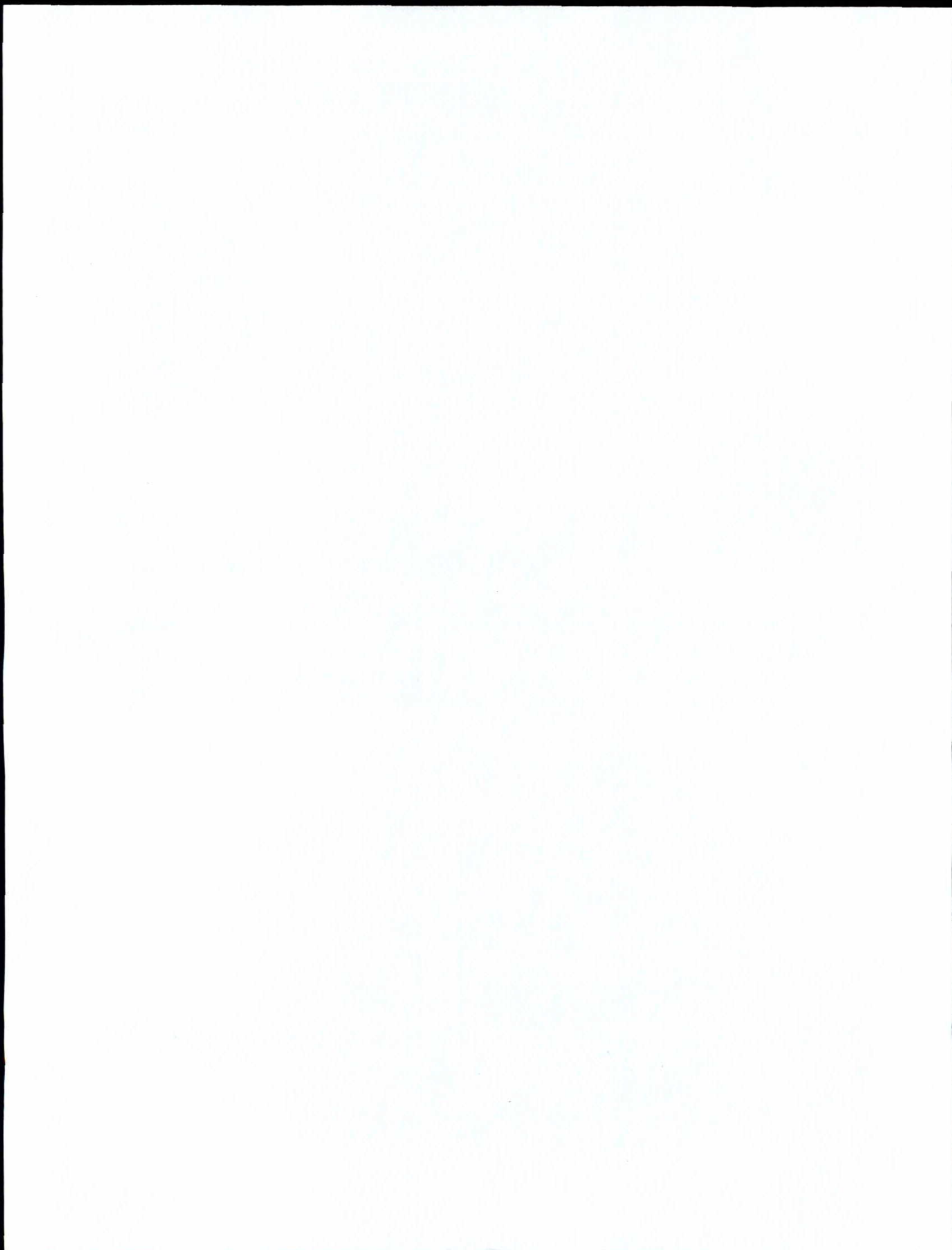
ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Note: See attached for speciated results.

Date Approved: 10/14/16 Approved By: _____


Solomon Teffera, Acting Sr. Manager
Laboratory Services Branch
(909) 396-2199



LAB NO: 1627412

Location: Highlands Community Center

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Sample Date	09/30/16	09/30/16	
Canister	54212	54718	
Sampling Location	Highlands Community Center	Highlands Community Center	Ambient Air
Total NMOC, ppbC	4590	1670	100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.5	26	0.7-4.1
acetylene	0.3	22	
propane	1.3	2.1	0.4-5.0
propylene	0.2	9.3	0.2-0.7
isobutane	1.0	0.5	0.2-0.9
n-butane	7.4	1.9	0.3-1.7
1-butene	0.2	1.5	0.1-0.3
trans-2-butene	0.6	0.6	
cis-2-butene	0.8	0.5	
isopentane	129	29	
1-pentene	1.3	0.5	
n-pentane	58	18	0.1-0.6
isoprene	0.2	0.9	
trans-2-pentene	3.5	0.7	
cis-2-pentene	1.9	0.3	
2,2-dimethylbutane	1.2	0.3	
cyclopentane	5.7	1.2	
2,3-dimethylbutane	15	3.7	
2-methylpentane	45	11	
3-methylpentane	30	7.4	
1-hexene	0.4	0.2	<0.1-0.1
n-hexane	34	8.4	0.1-0.2
methylcyclopentane	25	6.4	
2,4-dimethylpentane	14	4.1	
benzene	7.5	7.1	0.1-0.5
cyclohexane	6.9	1.9	
2-methylhexane	15	4.6	
2,3-dimethylpentane	20	6.2	
3-methylhexane	17	5.1	
2,2,4-trimethylpentane	27	8.9	

LAB NO: 1627412

Location: Highlands Community Center

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<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
n-heptane	12	3.6	0.1-0.2
methylcyclohexane	5.4	2.0	
2,3,4-trimethylpentane	6.6	2.2	
toluene	43	14	0.1-0.6
2-methylheptane	5.4	1.8	
3-methylheptane	5.9	2.0	
n-octane	4.5	1.6	<0.1-0.3
ethylbenzene	7.0	2.4	0.1-0.2
m+p-xylenes	30	11	0.1-0.2
styrene	0.9	0.6	<0.1-0.2
o-xylene	10	4.0	0.1-0.2
n-nonane	1.4	0.6	<0.1-0.1
isopropylbenzene	0.7	0.3	
n-propylbenzene	1.0	0.5	
m-ethyltoluene	3.8	2.0	
p-ethyltoluene	1.6	0.8	
1,3,5-trimethylbenzene	1.5	0.9	
o-ethyltoluene	1.4	0.8	
1,2,4-trimethylbenzene	5.6	3.5	
n-decane	0.3	0.3	<0.1-0.1
1,2,3-trimethylbenzene	1.1	0.8	
m-diethylbenzene	0.2	0.2	
p-diethylbenzene	0.6	0.6	
n-undecane	0.1	0.2	<0.1
n-dodecane	<0.1	0.2	<0.1

NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

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

DIS
 INV
 LAF
LABOI

1627412



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: 9/30/16
 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: 9/30/16 Time: 12:15pm

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Highlands Community	54212	9/30/16 / 06:15 / 5 min	-30"	-2"
Highlands Community	54718	9/30/16 / 06:59 / 5 min	-30"	-2"

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Zhou Qian</i>	<i>[Signature]</i>	SCAQMD Lab	9/30/2016	15:12

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)