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:**	1627213
		REFERENCE NO:	GC6-121-113
SAMPLE DESCRIPTION: Triggered Sample Canister # 54724		**DATE SAMPLED:**	09/27/16
		DATE RECEIVED:	09/28/16
		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

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

LAB NO: 1627213
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	09/27/16	
Canister	54724	
Sampling Location	**Highlands Community Center**	**Ambient Air**
Total NMOC, ppbC	64	100-700 ppbC
Compound	**Conc. (ppbv)**	**Conc. (ppbv)**
ethylene	0.8	0.7-4.1
acetylene	0.5	
propane	1.5	0.4-5.0
propylene	0.3	0.2-0.7
isobutane	0.4	0.2-0.9
n-butane	0.4	0.3-1.7
1-butene	0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	2.7	
1-pentene	<0.1	
n-pentane	0.3	0.1-0.6
isoprene	0.6	
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	0.1	
3-methylpentane	<0.1	
1-hexene	<0.1	<0.1-0.1
n-hexane	<0.1	0.1-0.2
methylcyclopentane	<0.1	
2,4-dimethylpentane	<0.1	
benzene	0.1	0.1-0.5
cyclohexane	<0.1	
2-methylhexane	<0.1	
2,3-dimethylpentane	<0.1	
3-methylhexane	<0.1	
2,2,4-trimethylpentane	<0.1	

LAB NO: 1627213
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	09/27/16	
Canister	54724	
Sampling Location	**Highlands Community Center**	**Ambient Air**
Total NMOC, ppbC	64	100-700 ppbC
Compound	**Conc. (ppbv)**	**Conc. (ppbv)**
n-heptane	<0.1	0.1-0.2
methylcyclohexane	<0.1	
2,3,4-trimethylpentane	<0.1	
toluene	0.2	0.1-0.6
2-methylheptane	<0.1	
3-methylheptane	<0.1	
n-octane	<0.1	<0.1-0.3
ethylbenzene	<0.1	0.1-0.2
m+p-xylenes	<0.1	0.1-0.2
styrene	<0.1	<0.1-0.2
o-xylene	<0.1	0.1-0.2
n-nonane	<0.1	<0.1-0.1
isopropylbenzene	<0.1	
n-propylbenzene	<0.1	
m-ethyltoluene	<0.1	
p-ethyltoluene	<0.1	
1,3,5-trimethylbenzene	<0.1	
o-ethyltoluene	<0.1	
1,2,4-trimethylbenzene	<0.1	
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

☒ DIST
☐ INV
☐ LAF
LABOI

1627213

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: 9/28/16

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: 9/28/16 Time: 09:00am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Highlands Community	54724	9/27/16 / 13:35 / 5 min	-30"	-2"

Relinquished by	Received by	Firm/Agency	Date	Time
Zhongia	[illegible]	SCAQMD Lab	9/28/2016	11:40

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)