

**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>1604033</u>
	REFERENCE NO: <u>GC6-3-74</u>
SAMPLE DESCRIPTION: Gas Process Canister Sample: 54077	DATE SAMPLED: <u>02/09/16</u>
	DATE RECEIVED: <u>02/09/16</u>
	DATE ANALYZED: <u>02/10/16</u>
SAMPLE LOCATION: So Cal Gas Company 12801 Tampa Ave Porter Ranch 91326 Post-Dehydration	ANALYZED BY: <u>Yang Song</u>
	REQUESTED BY: <u>Ping Gui</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: 2/25/16 Approved By: 
Rudy Eden, Sr. Manager
Laboratory Services Branch
(909) 396-2391

LAB NO: 1604033

Location: So Cal Gas Company (Aliso Canyon)

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Sample Date 02/09/16
Canister 54077
Sampling Location Post-Dehydration

Total NMOC, ppmC 30,400

<u>Compound</u>	<u>Conc. (ppmv)</u>
ethylene	0.1
acetylene	N.D.
propane	1,020
propylene	<0.1
isobutane	126
n-butane	128
1-butene	1.4
trans-2-butene	<0.1
cis-2-butene	<0.1
isopentane	32
1-pentene	N.D.
n-pentane	21
isoprene	<0.1
trans-2-pentene	<0.1
cis-2-pentene	<0.1
2,2-dimethylbutane	0.8
cyclopentane	1.6
2,3-dimethylbutane	1.1
2-methylpentane	5.1
3-methylpentane	2.9
1-hexene	<0.1
n-hexane	5.0
methylcyclopentane	4.4
2,4-dimethylpentane	0.2
benzene	0.9
cyclohexane	3.6
2-methylhexane	0.9
2,3-dimethylpentane	0.3
3-methylhexane	0.9
2,2,4-trimethylpentane	0.9
n-heptane	1.4
methylcyclohexane	3.7

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Flame Ionization Detection (FID)

Sample Date 02/09/16
Canister 54077
Sampling Location Post-Dehydration

Total NMOC, ppmC 30,400

<u>Compound</u>	<u>Conc. (ppmv)</u>
2,3,4-trimethylpentane	<0.1
toluene	0.6
2-methylheptane	0.3
3-methylheptane	0.2
n-octane	0.4
ethylbenzene	<0.1
m+p-xylenes	0.1
styrene	<0.1
o-xylene	<0.1
n-nonane	<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
1,2,3-trimethylbenzene	<0.1
m-diethylbenzene	<0.1
p-diethylbenzene	<0.1
n-undecane	<0.1
n-dodecane	<0.1

NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

