

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>1604030</u>
	REFERENCE NO: <u>GC6-3-74</u>
SAMPLE DESCRIPTION: Gas Process Canister Sample: 54131	DATE SAMPLED: <u>02/09/16</u>
	DATE RECEIVED: <u>02/09/16</u>
	DATE ANALYZED: <u>02/11/16</u>
SAMPLE LOCATION: So Cal Gas Company 12801 Tampa Ave Porter Ranch 91326 Well SS9 Tubing	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: 1604030

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 54131
Sampling Location Well SS9 Tubing

Total NMOC, ppmC 96,300

<u>Compound</u>	<u>Conc. (ppmv)</u>
ethylene	0.2
acetylene	N.D.
propane	6,260
propylene	0.1
isobutane	792
Well SS9 Tubing	949
1-butene	8.9
trans-2-butene	<0.1
cis-2-butene	<0.1
isopentane	176
1-pentene	<0.1
n-pentane	102
isoprene	0.1
trans-2-pentene	<0.1
cis-2-pentene	N.D.
2,2-dimethylbutane	3.3
cyclopentane	8.5
2,3-dimethylbutane	4.9
2-methylpentane	23
3-methylpentane	14
1-hexene	<0.1
n-hexane	27
methylcyclopentane	24
2,4-dimethylpentane	1.2
benzene	12
cyclohexane	25
2-methylhexane	5.1
2,3-dimethylpentane	1.7
3-methylhexane	5.3
2,2,4-trimethylpentane	5.4
n-heptane	9.7
methylcyclohexane	26

LAB NO: 1604030

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 54131
Sampling Location Well SS9 Tubing

Total NMOC, ppmC 96,300

<u>Compound</u>	<u>Conc. (ppmv)</u>
2,3,4-trimethylpentane	0.1
toluene	10
2-methylheptane	2.4
3-methylheptane	1.3
n-octane	3.3
ethylbenzene	0.3
m+p-xylenes	1.9
styrene	0.2
o-xylene	0.2
n-nonane	0.6
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

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

DISTRICT
 INVOICE
LABORATORY

WO #: 1604030



TO: SCAQMD LAB: OTHER:

SOURCE NAME: So Cal Gas Company (Aliso Canyon) I.D. No. 800128

Source Address: 12801 Tampa Avenue City: Northridge

Mailing Address: Same City: Same Zip: 91326

Contact Person: Dartell Johnson Title: _____ Tel: _____

Analysis Requested by: Ping Gui Date: 2/9/16

Approved by: _____ Office: Compliance Budget #: 50-375

REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill

Suspected Violation Rule(s) 402 Other _____ Cal H&S Code 41700

Sample Collected by: Ping Gui Date: 2/9/16 Time: 1320 / 1323

Specify the description and location where the sample was collected:

So Cal Gas: 1) 54731 @ well SS9 Tubing (1320 h) - To TCVA
2) 54131 @ well SS9 Tubing (1323 h) - To PAVMS (VOC)

Analysis Requested:

Relinquished by	Received by	Firm/Agency	Date	Time
		SCAQMD LAB	2/9/16	1320 1323

Remarks: Please expedite and send laboratory results to Cher Snyder, ADEO of Compliance.