


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>1604032</u>
	REFERENCE NO: <u>GC6-3-74</u>
SAMPLE DESCRIPTION: Gas Process Canister Sample: 54128	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 Pre-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: 1604032

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 54128
Sampling Location Pre-Dehydration

Total NMOC, ppmC 67,900

<u>Compound</u>	<u>Conc. (ppmv)</u>
ethylene	0.2
acetylene	N.D.
propane	3,200
propylene	0.1
isobutane	462
n-butane	629
1-butene	5.6
trans-2-butene	<0.1
cis-2-butene	<0.1
isopentane	189
1-pentene	N.D.
n-pentane	150
isoprene	0.3
trans-2-pentene	0.1
cis-2-pentene	N.D.
2,2-dimethylbutane	5.0
cyclopentane	19
2,3-dimethylbutane	8.3
2-methylpentane	41
3-methylpentane	25
1-hexene	N.D.
n-hexane	47
methylcyclopentane	54
2,4-dimethylpentane	2.0
benzene	28
cyclohexane	48
2-methylhexane	8.7
2,3-dimethylpentane	3.1
3-methylhexane	9.3
2,2,4-trimethylpentane	11
n-heptane	16
methylcyclohexane	46

LAB NO: 1604032

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 54128
Sampling Location Pre-Dehydration

Total NMOC, ppmC 67,900

<u>Compound</u>	<u>Conc. (ppmv)</u>
2,3,4-trimethylpentane	0.1
toluene	23
2-methylheptane	4.3
3-methylheptane	2.2
n-octane	5.7
ethylbenzene	1.4
m+p-xylenes	7.4
styrene	0.3
o-xylene	1.1
n-nonane	2.0
isopropylbenzene	0.3
n-propylbenzene	0.2
m-ethyltoluene	0.6
p-ethyltoluene	0.1
1,3,5-trimethylbenzene	0.2
o-ethyltoluene	0.1
1,2,4-trimethylbenzene	0.4
n-decane	0.5
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**

DIS
 INV
LABO

WO #: 1604032



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: Darrell 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: 1240 / 1243

Specify the description and location where the sample was collected:

So Cal Gas: 1) 54125 : Pre-dehy (1240 m) - To TCA
2) 54128 : Pre-dehy (1243 m) - To PAMS (VOC)

Analysis Requested:

Relinquished by	Received by	Firm/Agency	Date	Time
<u>PO</u>	<u>JH</u>	<u>SCAQMD LAB</u>	<u>2/9/16</u>	<u>17:29</u>

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