

**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>1535610</u>
	REFERENCE NO: <u>GC6-3-67</u>
SAMPLE DESCRIPTION: Tedlar bag 150534	DATE SAMPLED: <u>12/18/15</u>
	DATE RECEIVED: <u>12/18/15</u>
	DATE ANALYZED: <u>12/22/15</u>
SAMPLE LOCATION: So Cal Gas Company 12801 Tampa Ave Northridge, CA 91326	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)

- Notes: 1. Tedlar bag evacuated into 6 liter summa canister before analysis.
2. See attached for speciated results.

Date Approved: 12/24/15 Approved By: Rudy Eden

Rudy Eden, Sr. Manager
Laboratory Services Branch
(909) 396-2391

LAB NO: 1535610

Location: So Cal Gas Company

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Sample Date	12/18/15	
Tedlar bag	150534	Ambient Air
Sampling Location	So Cal Gas Company	
Identified NMOC, ppbC	272	
Total NMOC, ppbC	1640	100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	2.1	0.7-4.1
acetylene	1.6	
propane	57	0.4-5.0
propylene	0.5	0.2-0.7
isobutane	7.2	0.2-0.9
n-butane	8.4	0.3-1.7
1-butene	0.2	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	6.6	
1-pentene	<0.1	
n-pentane	2.0	0.1-0.6
isoprene	1.0	
trans-2-pentene	<0.1	
cis-2-pentene	<0.1	
2,2-dimethylbutane	0.1	
cyclopentane	0.2	
2,3-dimethylbutane	0.3	
2-methylpentane	1.0	
3-methylpentane	0.7	
1-hexene	<0.1	<0.1-0.1
n-hexane	0.9	0.1-0.2
methylcyclopentane	1.0	
2,4-dimethylpentane	0.1	
benzene	0.5	0.1-0.5
cyclohexane	0.5	
2-methylhexane	0.2	
2,3-dimethylpentane	0.2	
3-methylhexane	0.3	
2,2,4-trimethylpentane	0.2	
n-heptane	0.3	0.1-0.2
methylcyclohexane	0.5	

LAB NO: 1535610

Location: So Cal Gas Company

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Sampling Location	So Cal Gas Company	
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<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
2,3,4-trimethylpentane	<0.1	
toluene	1.1	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	1.1	0.1-0.2
styrene	0.2	<0.1-0.2
o-xylene	0.2	0.1-0.2
n-nonane	0.3	<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	0.2	
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**

DISTRICT
 INVOICE
 LABORATORY

WO #: 1535610



TO: SCAQMD LAB: X OTHER:

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

Source Address: 12801 Tampa Ave City: Northridge

Mailing Address: Same City: Same Zip: 91326

Contact Person: John Clarke Title: Principle AQ Specialist Tel: (818)-700-3812

Analysis Requested by: _____ Date: _____

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: Pling Gui Date: 12/18/15 Time: 1533 hr

Specify the description and location where the sample was collected:

Tedlar bag # 15D534 taken at Crystal Hills Dr / Eagle Ridge way
Potter Ranch at 1533 hr on 12/18/15

Analysis Requested: GCMS/Odors

Relinquished by	Received by	Firm/Agency	Date	Time
<i>[Signature]</i>	<i>[Signature]</i>	SCAQMD	12/18/15	1800
<i>[Signature]</i>	<i>[Signature]</i>	SCAQMD Lab	12/18/15	1920 hrs

Remarks: Please expedite and send laboratory results to Melesio Hernandez, AQ Analysis & Compliance Supervisor

Canister gauge at -4mm 12/22/15

*1/19/16
1917hrs
Attempted to Evacuate into Summit
Summit # 54144 however didn't draw sample. Evacuated into
summit # E3688 @ 1920hrs -
JA*