

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Dr., Diamond Bar, CA 91765-4182

MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS

TO: Edwin Pupka
Sr Enforcement Manager

LABORATORY NO: 1530027

REFERENCE NO: GC6-3-62

SAMPLE DESCRIPTION:
Canisters E3696

DATE SAMPLED: 10/26/15

DATE RECEIVED: 10/27/15

DATE ANALYZED: 10/28/15

SAMPLE LOCATION:
So Cal Gas Company
12801 Tampa Ave
Northridge, CA 91326

ANALYZED BY: Yang Song

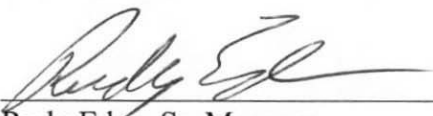
REQUESTED BY: Laurance B. Israel

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: 11/3/15

Approved By: 

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

LAB NO: 1530027

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	10/26/15	
Canister	E3696	Ambient Air
Sampling Location	So Cal Gas Company	
Identified NMOC, ppbC	7800	
Total NMOC, ppbC	57000	100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.6	0.7-4.1
acetylene	0.7	
propane	1500	0.4-5.0
propylene	<0.1	0.2-0.7
isobutane	145	0.2-0.9
n-butane	155	0.3-1.7
1-butene	1.6	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	46	
1-pentene	N.D.	
n-pentane	31	0.1-0.6
isoprene	<0.1	
trans-2-pentene	N.D.	
cis-2-pentene	N.D.	
2,2-dimethylbutane	1.3	
cyclopentane	2.3	
2,3-dimethylbutane	1.8	
2-methylpentane	8.2	
3-methylpentane	4.7	
1-hexene	N.D.	<0.1-0.1
n-hexane	9.0	0.1-0.2
methylcyclopentane	6.8	
2,4-dimethylpentane	0.5	
benzene	3.0	0.1-0.5
cyclohexane	6.9	
2-methylhexane	0.6	
2,3-dimethylpentane	1.8	
3-methylhexane	1.9	
2,2,4-trimethylpentane	1.7	
n-heptane	3.4	0.1-0.2
methylcyclohexane	8.7	

LAB NO: 1530027

Location: So Cal Gas Company

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
2,3,4-trimethylpentane	<0.1	
toluene	3.4	0.1-0.6
2-methylheptane	0.9	
3-methylheptane	0.5	
n-octane	1.3	<0.1-0.3
ethylbenzene	0.2	0.1-0.2
m+p-xylenes	1.2	0.1-0.2
Styrene	0.1	<0.1-0.2
o-xylene	0.2	0.1-0.2
n-nonane	0.4	<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

1530027



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

X DIS
INVC
LABORATORY NO.

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: 12801 TAMPA AVENUE City: NORTHRIDGE Zip: 91326
Contact Person: JOHN CLARKE Title: PRINCIPAL AQ SPECIALIST Tel: (818)-700-3812

Analysis Requested by: LAURANCE B. ISRAEL Date: OCTOBER 27, 2015
Approved by: [Signature] Office: AIR TOXICS BR Budget #: 50375
REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill
Suspected Violation Rule(s) 402 Other Calif H & S 41700

Sample Collected by: LAURANCE B. ISRAEL Date: OCT 26, 2015 Time: 0120 hrs.

Specify the description and location where the sample was collected:
SUMMA CANISTER #E3696 – collected at 0120 hrs, on residential street in front of [Redacted]

Analysis Requested: GCMS/odors

Relinquished by	Received by	Firm/Agency	Date	Time
<u>Laurance B. Israel</u>	<u>[Signature]</u>	<u>SCAQMD LAB</u>	<u>10/27/15</u>	<u>10:23</u>

Remarks: Please expedite and send laboratory analysis results to Edwin Pupka, Sr. Compliance Manager, Air Toxics Br.
Dilution by Steve [Signature] initial 708.1
Final 1033.5