

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>1535211</u>
	REFERENCE NO: <u>GC6-3-67</u>
SAMPLE DESCRIPTION: Canisters 54610 54687	DATE SAMPLED: <u>12/16/15</u>
	DATE RECEIVED: <u>12/18/15</u>
	DATE ANALYZED: <u>12/18/15</u>
SAMPLE LOCATION: So. Cal Gas Company 12801 Tampa Ave Northridge, CA 91326	ANALYZED BY: <u>Yang Song</u>
	REQUESTED BY: <u>Sumner Wilson</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: 12/23/15 Approved By: 
Rudy Eden, Sr. Manager
Laboratory Services Branch
(909) 396-2391

LAB NO: 1535211

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	12/16/15	12/16/15	
Canister	54610	54687	Ambient Air
Sampling Location	So. Cal Gas Co.	So. Cal Gas Co.	
Identified NMOC, ppbC	1690	134	
Total NMOC, ppbC	1710	631	100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.8	0.5	0.7-4.1
acetylene	0.8	0.5	
propane	46	21	0.4-5.0
propylene	0.2	0.2	0.2-0.7
isobutane	5.1	2.5	0.2-0.9
n-butane	6.0	3.2	0.3-1.7
1-butene	0.1	<0.1	0.1-0.3
trans-2-butene	<0.1	<0.1	
cis-2-butene	<0.1	<0.1	
isopentane	2.7	2.0	
1-pentene	<0.1	<0.1	
n-pentane	1.3	0.8	0.1-0.6
isoprene	<0.1	<0.1	
trans-2-pentene	<0.1	<0.1	
cis-2-pentene	<0.1	<0.1	
2,2-dimethylbutane	<0.1	<0.1	
cyclopentane	0.1	<0.1	
2,3-dimethylbutane	0.1	<0.1	
2-methylpentane	0.4	0.3	
3-methylpentane	0.3	0.2	
1-hexene	<0.1	<0.1	<0.1-0.1
n-hexane	0.4	0.2	0.1-0.2
methylcyclopentane	0.4	0.3	
2,4-dimethylpentane	<0.1	<0.1	
benzene	0.3	0.3	0.1-0.5
cyclohexane	0.4	0.3	
2-methylhexane	0.1	<0.1	
2,3-dimethylpentane	<0.1	<0.1	
3-methylhexane	0.1	<0.1	
2,2,4-trimethylpentane	<0.1	0.1	
n-heptane	0.2	0.1	0.1-0.2
methylcyclohexane	0.4	0.3	

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2,3,4-trimethylpentane	<0.1	<0.1	
toluene	0.4	0.3	0.1-0.6
2-methylheptane	<0.1	<0.1	
3-methylheptane	<0.1	<0.1	
n-octane	<0.1	<0.1	<0.1-0.3
ethylbenzene	<0.1	<0.1	0.1-0.2
m+p-xylenes	0.2	0.1	0.1-0.2
styrene	<0.1	<0.1	<0.1-0.2
o-xylene	<0.1	<0.1	0.1-0.2
n-nonane	<0.1	<0.1	<0.1-0.1
isopropylbenzene	<0.1	<0.1	
n-propylbenzene	<0.1	<0.1	
m-ethyltoluene	<0.1	<0.1	
p-ethyltoluene	<0.1	<0.1	
1,3,5-trimethylbenzene	<0.1	<0.1	
o-ethyltoluene	<0.1	<0.1	
1,2,4-trimethylbenzene	<0.1	<0.1	
n-decane	<0.1	<0.1	<0.1-0.1
1,2,3-trimethylbenzene	<0.1	<0.1	
m-diethylbenzene	<0.1	<0.1	
p-diethylbenzene	<0.1	<0.1	
n-undecane	<0.1	<0.1	<0.1
n-dodecane	<0.1	<0.1	<0.1

NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

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

DISTRICT INFORMATION
 INVOICE
 LAP A
 LABORATORY

WO #: 1535211



TO: SCAQMD LAB: OTHER:
 SOURCE NAME: Southern California Gas Co. I.D. No. _____
 Source Address: 12801 Tampa Ave City: Porter Ranch
 Mailing Address: _____ City: _____ Zip: 91326
 Contact Person: _____ Title: _____ Tel: _____

Analysis Requested by: Sumner Wilson Date: 12/18/15
 Approved by: Jason Low Office: _____ Budget #: 44716
 REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill
 Suspected Violation Rule(s) _____ Other

Sample Collected by: S Boddeker Date: 12-17-15 Time: 16:00 pst

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Porter Ranch Community Elementary School	54610	12/16/15 19:00 5 min	-30"	0
Porter Ranch Community Elementary School	54687	12/16/15 21:36 5 min	-30"	0

Relinquished by	Received by	Firm/Agency	Date	Time
S Boddeker	<i>[Signature]</i>	SCAQMD Lab	12/18/15	0900

Remarks: Samples collected by passive sampling via the XonTech 912 triggered by the Mocon NMHC.
 Methane: 26 PPM @ 19:00 and 28.94 ppm @ 21:36

Porter Ranch Community School Elementary – 5 Sesnon Blvd, Porter Ranch, CA 91326

GPS (34.293369, -118.580505)

Gc6-3-67