

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: 1609128

REFERENCE NO: GC6-3-87

SAMPLE DESCRIPTION:
24 hour Sample
Canister # E5729

DATE SAMPLED: 03/31/16

DATE RECEIVED: 04/01/16

DATE ANALYZED: 04/06/16

SAMPLE LOCATION:
Porter Ranch
Castlebay Elementary
School

ANALYZED BY: Yang Song


REQUESTED BY: Sumner Wilson

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: 4/8/16

Approved By: 
Solomon Teffera, Acting Sr. Manager
Laboratory Services Branch
(909) 396-2391

LAB NO: 1609128

Location: Porter Ranch / Castlebay Elem

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Sample Date 03/31/16
Canister E5729
Sampling Location Castlebay Elementary Ambient Air
Total NMOC, ppbC 72 100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.5	0.7-4.1
acetylene	0.5	
propane	1.5	0.4-5.0
propylene	0.1	0.2-0.7
isobutane	0.3	0.2-0.9
n-butane	0.5	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	0.9	
1-pentene	<0.1	
n-pentane	0.2	0.1-0.6
isoprene	<0.1	
trans-2-pentene	N.D.	
cis-2-pentene	N.D.	
2,2-dimethylbutane	<0.1	
cyclopentane	<0.1	
2,3-dimethylbutane	<0.1	
2-methylpentane	<0.1	
3-methylpentane	<0.1	
1-hexene	<0.1	<0.1-0.1
n-hexane	<0.1	0.1-0.2
methylcyclopentane	<0.1	
2,4-dimethylpentane	<0.1	
benzene	0.1	0.1-0.5
cyclohexane	<0.1	
2-methylhexane	<0.1	
2,3-dimethylpentane	<0.1	
3-methylhexane	<0.1	
2,2,4-trimethylpentane	<0.1	
n-heptane	<0.1	0.1-0.2
methylcyclohexane	<0.1	

LAB NO: 1609128

Location: Porter Ranch / Castlebay Elem

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Sample Date	03/31/16	
Canister	E5729	
Sampling Location	Castlebay Elementary	Ambient Air
Total NMOC, ppbC	72	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
2,3,4-trimethylpentane	<0.1	
toluene	0.2	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	<0.1	0.1-0.2
styrene	<0.1	<0.1-0.2
o-xylene	<0.1	0.1-0.2
n-nonane	<0.1	<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	1.0	
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**

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LAI

WO #: 1609128



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: 4/1/16

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: Qian Zhou Date: 4/1/16 Time: 09:45am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch / Castlebay Elem	5E 5729	3/31/16 / 00:00 / 24 hours	-30"	+6.5

Relinquished by	Received by	Firm/Agency	Date	Time
<i>zhongqian</i>	<i>Ar J. Die</i>	SCAQMD Lab	4-1-16	12:05

Remarks: 1:3 scheduled samples from trailer at Castlebay
Castlebay Lane Charter School - 19010 Castlebay Ln, Porter Ranch, CA