

**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: 1605413

REFERENCE NO: GC6-3-76
02/19/16

SAMPLE DESCRIPTION:
24 hour Samples
Canisters: E5113
54124

DATE SAMPLED: and 02/21/16

DATE RECEIVED: 02/23/16

SAMPLE LOCATION:
Porter Ranch
Castlebay Elementary
School

DATE ANALYZED: 02/23/16

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: 2/25/16

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

LAB NO: 1605413**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	02/19/16	02/21/16	
Canister	E5113	54124	
Sampling Location	Castlebay Elementary	Castlebay Elementary	Ambient Air
Total NMOC, ppbC	91	55	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.6	0.2	0.7-4.1
acetylene	0.8	0.5	
propane	2.8	1.7	0.4-5.0
propylene	<0.1	<0.1	0.2-0.7
isobutane	0.5	0.3	0.2-0.9
n-butane	0.9	0.5	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	1.4	0.8	
1-pentene	<0.1	<0.1	
n-pentane	0.2	0.1	0.1-0.6
isoprene	<0.1	<0.1	
trans-2-pentene	<0.1	<0.1	
cis-2-pentene	<0.1	N.D.	
2,2-dimethylbutane	<0.1	<0.1	
cyclopentane	<0.1	<0.1	
2,3-dimethylbutane	<0.1	<0.1	
2-methylpentane	0.1	<0.1	
3-methylpentane	<0.1	<0.1	
1-hexene	<0.1	<0.1	<0.1-0.1
n-hexane	<0.1	<0.1	0.1-0.2
methylcyclopentane	<0.1	<0.1	
2,4-dimethylpentane	<0.1	<0.1	
benzene	0.2	0.1	0.1-0.5
cyclohexane	<0.1	<0.1	
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	<0.1	<0.1	0.1-0.2
methylcyclohexane	<0.1	<0.1	

LAB NO: 1605413

Location: Porter Ranch / Castlebay Elem

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2,3,4-trimethylpentane	<0.1	<0.1	
toluene	0.2	0.1	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	<0.1	<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	N.D.	
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
 INVOICE
 LAP AUE
LABORATORY

WO #: 1605413



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: 2/23/16

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: Q. Zhou Date: 2/23/16 Time: 11:00

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch / Castlebay Elem*	E5113	2/19/16 / 00:00 / 24 hours	-30"	+16
Porter Ranch / Castlebay Elem	54124	2/21/16 / 00:00 / 24 hours	-30"	+12
*Make up run for 2/18/16				

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Zhou</i>	<i>JL</i>	SCAQMD Lab	2/23/16	14:23

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