

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

**MONITORING & ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

<b>TO:</b> Cher Snyder Assistant DEO Engineering and Compliance	<b>LABORATORY NO:</b> <u>1606410</u>
	<b>REFERENCE NO:</b> <u>GC6-3-78</u>
<b>SAMPLE DESCRIPTION:</b> 24 hour Sample Canister: E3747	<b>DATE SAMPLED:</b> <u>03/04/16</u>
	<b>DATE RECEIVED:</b> <u>03/05/16</u>
	<b>DATE ANALYZED:</b> <u>03/05/16</u>
<b>SAMPLE LOCATION:</b> Porter Ranch Castlebay Elementary School	<b>ANALYZED BY:</b> <u>Yang Song</u>
	<b>REQUESTED BY:</b> <u>Sumner Wilson</u>

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**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

Volatile Organic Compounds (VOC) by Gas Chromatography(GC)  
and Flame Ionization Detection (FID)

Note: 1. See attached for speciated results.  
2. This is the B sample of a duplicate sample set.  
The A sample was submitted for TCA analysis.

Date Approved: 3/8/16

Approved By: 

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

**LAB NO: 1606410**

**Location: Porter Ranch/Castlebay Elem**

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**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

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

Sample Date 03/04/16  
Canister E3747  
Sampling Location Castlebay Elementary Ambient Air

Total NMOC, ppbC 151 100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	1.7	0.7-4.1
acetylene	1.8	
propane	4.3	0.4-5.0
propylene	0.3	0.2-0.7
isobutane	1.0	0.2-0.9
n-butane	2.3	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	3.9	
1-pentene	<0.1	
n-pentane	0.6	0.1-0.6
isoprene	<0.1	
trans-2-pentene	<0.1	
cis-2-pentene	<0.1	
2,2-dimethylbutane	<0.1	
cyclopentane	<0.1	
2,3-dimethylbutane	0.1	
2-methylpentane	0.4	
3-methylpentane	0.2	
1-hexene	<0.1	<0.1-0.1
n-hexane	0.2	0.1-0.2
methylcyclopentane	0.2	
2,4-dimethylpentane	0.1	
benzene	0.3	0.1-0.5
cyclohexane	0.1	
2-methylhexane	0.1	
2,3-dimethylpentane	0.2	
3-methylhexane	0.2	
2,2,4-trimethylpentane	0.3	
n-heptane	0.1	0.1-0.2
methylcyclohexane	<0.1	

**LAB NO: 1606410**

**Location: Porter Ranch/Castlebay Elem**

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Flame Ionization Detection (FID)

Sample Date 03/04/16  
Canister E3747  
Sampling Location Castlebay Elementary Ambient Air

Total NMOC, ppbC 151 100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
2,3,4-trimethylpentane	<0.1	
toluene	0.8	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	0.3	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	<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

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

DISTR  
 INVOI  
 LAP A  
LABORA

WO #: 1606410



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: 3/5/16  
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: 3/5/16 Time: 9:50am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch / Castlebay Elem-A	54175	3/4/16 / 00:00 / 24 hours	-30"	+10.5
Porter Ranch / Castlebay Elem-B	E3747	3/4/16 / 00:00 / 24 hours	-30"	+16

Relinquished by	Received by	Firm/Agency	Date	Time
Zhouqia	<i>[Signature]</i>	SCAQMD Lab	3/5/16	12:03

Remarks: 1:3 scheduled samples from trailer at Castlebay  
Castlebay Lane Charter School - 19010 Castlebay Ln, Porter Ranch, CA  
A: AQMD 0013772; B: AQMD 0016503

TCA  
VOC