

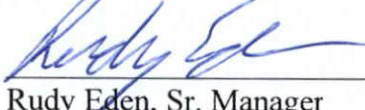
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Dr., Diamond Bar, CA 91765-4182

MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS

TO: Cher Snyder Assistant DEO Engineering and Compliance	LABORATORY NO: <u>1606727</u>
	REFERENCE NO: <u>GC6-3-79</u>
SAMPLE DESCRIPTION: 24 hour Sample Canister: 54676	DATE SAMPLED: <u>03/07/16</u>
	DATE RECEIVED: <u>03/08/16</u>
	DATE ANALYZED: <u>03/09/16</u>
SAMPLE LOCATION: Porter Ranch Castlebay Elementary School	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: 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: 3/11/16 Approved By: 
Rudy Eden, Sr. Manager
Laboratory Services Branch
(909) 396-2391

LAB NO: 1606727

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 03/07/16
Canister 54676
Sampling Location **Castlebay Elementary** **Ambient Air**
Total NMOC, ppbC 66 100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.3	0.7-4.1
acetylene	0.6	
propane	1.1	0.4-5.0
propylene	<0.1	0.2-0.7
isobutane	0.2	0.2-0.9
n-butane	0.3	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	0.1	
cis-2-butene	N.D.	
isopentane	0.8	
1-pentene	<0.1	
n-pentane	0.1	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	0.2	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: 1606727

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	03/07/16	
Canister	54676	
Sampling Location	Castlebay Elementary	Ambient Air
Total NMOC, ppbC	66	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	0.4	
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	0.2	
n-undecane	<0.1	<0.1
n-dodecane	N.D.	<0.1

NMOC = Non-Methane Organic Compounds
N.D. = Not Detected

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

DIS
 INV
 LAF
 LABO

WO #: 1606727



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: 3/8/16
 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: 3/8/16 Time: 9:25am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch / Castlebay Elem-A	54549	3/7/16 / 00:00 / 24 hours	-30"	+10.5
Porter Ranch / Castlebay Elem-B	54676	3/7/16 / 00:00 / 24 hours	-30"	>+15

TCA
VOC

Relinquished by	Received by	Firm/Agency	Date	Time
Zhouqian	[Signature]	SCAQMD Lab	3/8/16	11:49

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