

**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>1607010</u>
	REFERENCE NO: <u>GC6-121-79</u>
SAMPLE DESCRIPTION: 24 hour Sample Canister: 54629	DATE SAMPLED: <u>03/10/16</u>
	DATE RECEIVED: <u>03/11/16</u>
	DATE ANALYZED: <u>03/11/16</u>
SAMPLE LOCATION: Porter Ranch Castlebay Elementary School	ANALYZED BY: <u>Brian Sinajon</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: 3/17/2016

Approved By: _____


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

Lab Number: 1607010
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	03/10/16	
Canister	54629	
Sampling Location	Castlebay Elementary	Ambient Air
Total NMOC, ppbC	69	100-700

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.5	0.7-4.1
acetylene	0.5	----
propane	1.3	0.4-5
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	<0.1	----
cis-2-pentene	<0.1	----
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

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Sample Date	03/10/16	
Canister	54629	
Sampling Location	Castlebay Elementary	Ambient Air
Total NMOC, ppbC	69	100-700
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
methylcyclohexane	<0.1	----
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	<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	<0.10
n-dodecane	<0.1	<0.10

NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

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

WO #: 1607010

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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: 3/11/16
 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: 3/11/16 Time: 9:00am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch / Castlebay Elem-A	54535	3/10/16 / 00:00 / 24 hours	-30"	+11
Porter Ranch / Castlebay Elem-B	54629	3/10/16 / 00:00 / 24 hours	-30"	>+15

TCA
VOC

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Zhou</i>	<i>[Signature]</i>	SCAQMD Lab	3/11/16	11:33

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

Note - Gauge pegged out on can 54629