

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

**MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS**

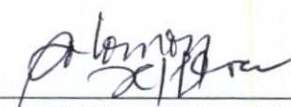
TO: Jason Low Atmospheric Measurements Manager	LABORATORY NO: <u>1609812</u>
	REFERENCE NO: <u>GC6-121-88</u>
SAMPLE DESCRIPTION: Triggered Sample Canister # 54141	DATE SAMPLED: <u>04/07/16</u>
	DATE RECEIVED: <u>04/07/16</u>
	DATE ANALYZED: <u>04/08/16</u>
SAMPLE LOCATION: Porter Ranch Castlebay Elementary 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: See attached for speciated results.

Date Approved: 4/12/16

Approved By: 

Solomon Teffera, Acting Manager
Laboratory Services Branch
(909) 396-2199

Lab Number: 1609812
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	04/07/16	
Canister	54141	
Sampling Location	Castlebay Elementary	Ambient Air
Total NMOC, ppbC	179	100-700
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	2.3	0.7-4.1
acetylene	1.9	----
propane	3.5	0.4-5
propylene	0.5	0.2-0.7
isobutane	4.5	0.2-0.9
n-butane	1.3	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	0.1	----
cis-2-butene	<0.1	----
isopentane	3.1	----
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	0.1	----
2,2,4-trimethylpentane	0.4	----
n-heptane	0.1	0.1-0.2

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 Flame Ionization Detection (FID)

Sample Date	04/07/16	
Canister	54141	
Sampling Location	Castlebay Elementary	Ambient Air
Total NMOC, ppbC	179	100-700
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
methylcyclohexane	0.1	----
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	<0.10
n-dodecane	<0.1	<0.10

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

WO #: 1609812



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT SAMPLE ANALYSIS REQUEST

- DISTRICT
 - INVOICE
 - LAP AU
- LABORATORY INC

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: 4/7/16

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: 4/7/16 Time: 10:25pm

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Castle Bay Charter School	54141	4/7/16 08:24 am 5 min	-30"	0

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Zhouqian</i>	<i>[Signature]</i>	SCAQMD Lab	4/7/16	14:43

Remarks: Samples collected by passive sampling via the XonTech 912 triggered by the Mocon NMHC.
 Trigger is set to 5ppm
 Castle Bay Charter School 19010 Castlebay Ln, Porter Ranch, CA 91326
 GPS: 34.315022, -118.564872