

**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>1606426</u>
	REFERENCE NO: <u>GC6-3-78</u>
SAMPLE DESCRIPTION: Triggered Sample Canister: 54709	DATE SAMPLED: <u>03/04/16</u>
	DATE RECEIVED: <u>03/04/16</u>
	DATE ANALYZED: <u>03/05/16</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: See attached for speciated results.

Date Approved: 3/8/16

Approved By: 

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

LAB NO: 1606426

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 03/04/16
Canister 54709
Sampling Location Castlebay Elementary Ambient Air
Total NMOC, ppbC 1920 100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	15	0.7-4.1
acetylene	22	
propane	5.9	0.4-5.0
propylene	5.0	0.2-0.7
isobutane	3.5	0.2-0.9
n-butane	24	0.3-1.7
1-butene	1.0	0.1-0.3
trans-2-butene	0.7	
cis-2-butene	0.5	
isopentane	29	
1-pentene	0.4	
n-pentane	11	0.1-0.6
isoprene	0.2	
trans-2-pentene	1.3	
cis-2-pentene	0.6	
2,2-dimethylbutane	1.9	
cyclopentane	1.2	
2,3-dimethylbutane	3.8	
2-methylpentane	10	
3-methylpentane	6.3	
1-hexene	0.2	<0.1-0.1
n-hexane	6.6	0.1-0.2
methylcyclopentane	6.2	
2,4-dimethylpentane	4.1	
benzene	3.8	0.1-0.5
cyclohexane	1.9	
2-methylhexane	4.8	
2,3-dimethylpentane	7.0	
3-methylhexane	5.3	
2,2,4-trimethylpentane	8.4	
n-heptane	3.9	0.1-0.2
methylcyclohexane	3.9	

LAB NO: 1606426

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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	54709	
Sampling Location	Castlebay Elementary	Ambient Air
Total NMOC, ppbC	1920	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
2,3,4-trimethylpentane	3.4	
toluene	21	0.1-0.6
2-methylheptane	2.5	
3-methylheptane	2.2	
n-octane	1.7	<0.1-0.3
ethylbenzene	3.6	0.1-0.2
m+p-xylenes	15	0.1-0.2
styrene	0.4	<0.1-0.2
o-xylene	5.9	0.1-0.2
n-nonane	0.9	<0.1-0.1
isopropylbenzene	0.5	
n-propylbenzene	0.7	
m-ethyltoluene	2.7	
p-ethyltoluene	1.2	
1,3,5-trimethylbenzene	1.1	
o-ethyltoluene	1.0	
1,2,4-trimethylbenzene	4.7	
n-decane	0.3	<0.1-0.1
1,2,3-trimethylbenzene	0.9	
m-diethylbenzene	0.2	
p-diethylbenzene	0.7	
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**

DISTRICT
 INVOICE
 LAP AL
LABORATORY

WO #: 1606426



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: 3/4/15
 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: 3/4/16 Time: 11:10

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Castle Bay Charter School	54709	3/4/16 07:07am 5 min	-30"	-4"

Sample #5
Porter Ranch
Castle Bay Charter School
School
NO 3/5/16

Relinquished by	Received by	Firm/Agency	Date	Time
Zhouqian	[Signature]	SCAQMD Lab	3/4/16	14:36

Remarks: Samples collected by passive sampling via the XonTech 912 triggered by the Mocon NMHC.

Trigger is set to 20ppm ^{5ppm} @ 2

Castle Bay Charter School 19010 Castlebay Ln, Porter Ranch, CA 91326

GPS: 34.315022, -118.564872