

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>1607713</u>
	REFERENCE NO: <u>GC6-3-80</u>
SAMPLE DESCRIPTION: Triggered Sample Canister: 54045	DATE SAMPLED: <u>03/15/16</u>
	DATE RECEIVED: <u>03/17/16</u>
	DATE ANALYZED: <u>03/18/16</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: 3/24/16 Approved By: _____


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

LAB NO: 1607713

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	03/15/16	
Canister	54045	
Sampling Location	Castlebay Elementary	Ambient Air
Total NMOC, ppbC	618	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.2	0.7-4.1
acetylene	0.5	
propane	75	0.4-5.0
propylene	<0.1	0.2-0.7
isobutane	1.6	0.2-0.9
n-butane	26	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	25	
1-pentene	<0.1	
n-pentane	0.5	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	0.2	

LAB NO: 1607713

Location: Porter Ranch/Castlebay Elem

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Canister	54045	
Sampling Location	Castlebay Elementary	Ambient Air
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<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	<0.1	
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**

DISTRICT
 INVOICE
 LAP / LABOR

WO #: 1607713



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: 3/17/16

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: R. Wimmer Date: 3/15/16 Time: 11:00

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Castle Bay Charter School	54045	3/15/16 10:33 am 5 min	-30"	-1"

Relinquished by	Received by	Firm/Agency	Date	Time
		SCAQMD Lab	3/17/16	9:39

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