

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

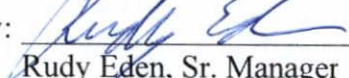
**MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS**

TO: Cher Snyder Assistant DEO Engineering and Compliance	LABORATORY NO: <u>1604718</u>
SAMPLE DESCRIPTION: 24 hour Samples Canisters: 54505 54641	REFERENCE NO: <u>GC6-121-75</u> <u>02/12/16</u> <u>and 02/15/16</u>
SAMPLE LOCATION: Porter Ranch Castlebay Elementary School	DATE SAMPLED: DATE RECEIVED: <u>02/16/16</u> DATE ANALYZED: <u>02/18/16</u>
	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: 2/24/16

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

LAB NO: 1604718**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	02/12/16	02/15/16	
Canister	54505	54641	
Sampling Location	Castlebay Elementary	Castlebay Elementary	Ambient Air
Total NMOC, ppbC	148	39	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.5	0.1	0.7-4.1
acetylene	0.6	0.3	
propane	2.8	0.4	0.4-5.0
propylene	<0.1	<0.1	0.2-0.7
isobutane	0.8	0.1	0.2-0.9
n-butane	1.9	0.2	0.3-1.7
1-butene	<0.1	<0.1	0.1-0.3
trans-2-butene	<0.1	N.D.	
cis-2-butene	<0.1	N.D.	
isopentane	2.0	0.7	
1-pentene	<0.1	<0.1	
n-pentane	0.5	0.1	0.1-0.6
isoprene	0.1	<0.1	
trans-2-pentene	<0.1	N.D.	
cis-2-pentene	N.D.	N.D.	
2,2-dimethylbutane	<0.1	<0.1	
cyclopentane	<0.1	<0.1	
2,3-dimethylbutane	<0.1	<0.1	
2-methylpentane	0.3	<0.1	
3-methylpentane	0.2	<0.1	
1-hexene	<0.1	<0.1	<0.1-0.1
n-hexane	0.3	<0.1	0.1-0.2
methylcyclopentane	0.3	<0.1	
2,4-dimethylpentane	<0.1	<0.1	
benzene	0.6	0.2	0.1-0.5
cyclohexane	0.3	<0.1	
2-methylhexane	0.1	<0.1	
2,3-dimethylpentane	<0.1	<0.1	
3-methylhexane	0.1	<0.1	
2,2,4-trimethylpentane	<0.1	<0.1	
n-heptane	0.2	<0.1	0.1-0.2
methylcyclohexane	0.5	0.1	

LAB NO: 1604718

Location: Porter Ranch / Castlebay Elem

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2,3,4-trimethylpentane	<0.1	<0.1	
toluene	1.0	0.3	0.1-0.6
2-methylheptane	<0.1	<0.1	
3-methylheptane	<0.1	<0.1	
n-octane	<0.1	<0.1	<0.1-0.3
ethylbenzene	0.1	<0.1	0.1-0.2
m+p-xylenes	0.5	0.2	0.1-0.2
styrene	<0.1	<0.1	<0.1-0.2
o-xylene	0.2	<0.1	0.1-0.2
n-nonane	<0.1	<0.1	<0.1-0.1
isopropylbenzene	<0.1	<0.1	
n-propylbenzene	<0.1	<0.1	
m-ethyltoluene	<0.1	<0.1	
p-ethyltoluene	<0.1	<0.1	
1,3,5-trimethylbenzene	<0.1	<0.1	
o-ethyltoluene	<0.1	<0.1	
1,2,4-trimethylbenzene	0.1	<0.1	
n-decane	<0.1	<0.1	<0.1-0.1
1,2,3-trimethylbenzene	<0.1	<0.1	
m-diethylbenzene	<0.1	N.D.	
p-diethylbenzene	<0.1	<0.1	
n-undecane	<0.1	<0.1	<0.1
n-dodecane	<0.1	<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 A
LABOR

WO #: 1604718



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: 2/16/16

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: Q. Zhou Date: 2/16/16 Time: 11:30

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch / Castlebay Elem	54505	2/12/16 / 00:00 / 24 hours	-30"	+14
Porter Ranch / Castlebay Elem	54641	2/15/16 / 00:00 / 24 hours	-30"	+10

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Zhou</i>	<i>JL</i>	SCAQMD Lab	2/16/16	14:24

Remarks: 1:3 scheduled samples from trailer at Castlebay
Castlebay Lane Charter School – 19010 Castlebay Ln, Porter Ranch, CA