

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

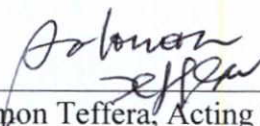
**MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS**

TO: Jason Low, Ph.D Atmospheric Measurements Manager Science and Technology Advancement	LABORATORY NO: <u>1612411</u>
	REFERENCE NO: <u>GC6-3-93</u>
SAMPLE DESCRIPTION: 24 hour Sample Canister # 54647	DATE SAMPLED: <u>05/03/16</u>
	DATE RECEIVED: <u>05/04/16</u>
	DATE ANALYZED: <u>05/05/16</u>
SAMPLE LOCATION: Porter Ranch Community 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: 5/6/16

Approved By: 
Solomon Teffera, Acting Sr. Manager
Laboratory Services Branch
(909) 396-2199

LAB NO: 1612411
Location: Porter Ranch Elem.

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

Quantitation of Organic Compounds by Gas Chromatography(GC) and
 Flame Ionization Detection (FID)

Sample Date	05/03/16	
Canister	54647	
Sampling Location	Porter Ranch Elem.	Ambient Air
Total NMOC, ppbC	60	100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.8	0.7-4.1
acetylene	0.7	
propane	1.6	0.4-5.0
propylene	0.2	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	1.8	
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
methylcyclohexane	<0.1	

LAB NO: 1612411
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Sample Date	05/03/16	
Canister	54647	
Sampling Location	Porter Ranch Elem.	Ambient Air
Total NMOC, ppbC	60	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
2,3,4-trimethylpentane	<0.1	
toluene	0.3	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**

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LABO

1612411



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: _____ 5/4/16
 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: _____ 5/4/16 _____ Time: _____ 09:30am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch Community Elementary School (PRCS)	54647	5/3/16 / 00:00 / 24 hours	<-30"	+4.5

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Zhouqian</i>	<i>JR PI</i>	SCAQMD Lab	5/4/16	12:07

Remarks: 1:3 scheduled samples from trailer at PRCS
 Porter Ranch Community School Elementary – 12450 Mason Ave, Porter Ranch, CA 91326
 GPS (34.293369, -118.580505)