

**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>1607612</u>
	REFERENCE NO: <u>GC6-3-80</u>
SAMPLE DESCRIPTION: 24 hour Sample Canister: E4224	DATE SAMPLED: <u>03/16/16</u>
	DATE RECEIVED: <u>03/17/16</u>
	DATE ANALYZED: <u>03/18/16</u>
SAMPLE LOCATION: Porter Ranch 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: 3/23/16

Approved By: 

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

LAB NO: 1607612
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	03/16/16	
Canister	E4224	
Sampling Location	Porter Ranch Elem.	Ambient Air
Total NMOC, ppbC	70	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	<0.1	0.7-4.1
acetylene	0.1	
propane	4.2	0.4-5.0
propylene	<0.1	0.2-0.7
isobutane	1.0	0.2-0.9
n-butane	1.8	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	N.D.	
cis-2-butene	N.D.	
isopentane	1.2	
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	0.2	
3-methylpentane	0.1	
1-hexene	<0.1	<0.1-0.1
n-hexane	0.2	0.1-0.2
methylcyclopentane	0.3	
2,4-dimethylpentane	<0.1	
benzene	0.3	0.1-0.5
cyclohexane	0.3	
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: 1607612
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Sample Date	03/16/16	
Canister	E4224	
Sampling Location	Porter Ranch Elem.	Ambient Air
Total NMOC, ppbC	70	100-700 ppbC
<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	N.D.	
1,2,4-trimethylbenzene	0.2	
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	N.D.	<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



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: Qian Zhou Date: 3/17/16 Time: 9:30am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch Community Elementary School (PRCS)*	E4224	3/16/16 / 00:00 / 24 hours	<-30"	-7"
*Valve has been turned off by accident, may not have enough sample				

Relinquished by	Received by	Firm/Agency	Date	Time
<i>zhouqian</i>	<i>[Signature]</i>	SCAQMD Lab	<i>3/17/16</i>	<i>12:20 PM</i>

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