

**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:** 1603434

**REFERENCE NO:** GC6-3-74

**SAMPLE DESCRIPTION:**  
Triggered Sample  
Canister: 22471

**DATE SAMPLED:** 02/02/16

**DATE RECEIVED:** 02/03/16

**DATE ANALYZED:** 02/05/16

**SAMPLE LOCATION:**  
Porter Ranch  
Elementary School

**ANALYZED BY:** Yang Song

**REQUESTED BY:** Sumner Wilson

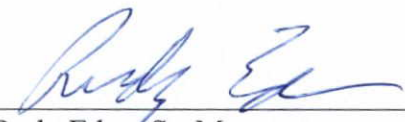
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**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**  
Volatile Organic Compounds (VOC) by Gas Chromatography(GC)  
and Flame Ionization Detection (FID)

Note: See attached for speciated results.

Date Approved: 2/17/16

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

**LAB NO: 1603434**

**Location: Porter Ranch Community Elementary School (PRCES)**

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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	02/02/16	
Canister	22471	
<b>Sampling Location</b>	<b>Porter Ranch Elem.</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	2450	100-700 ppbC
<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
ethylene	0.7	0.7-4.1
acetylene	0.7	
propane	85	0.4-5.0
propylene	0.2	0.2-0.7
isobutane	9.7	0.2-0.9
n-butane	12	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	4.7	
1-pentene	<0.1	
n-pentane	2.7	0.1-0.6
isoprene	<0.1	
trans-2-pentene	N.D.	
cis-2-pentene	N.D.	
2,2-dimethylbutane	0.1	
cyclopentane	0.2	
2,3-dimethylbutane	0.2	
2-methylpentane	0.7	
3-methylpentane	0.4	
1-hexene	<0.1	<0.1-0.1
n-hexane	0.7	0.1-0.2
methylcyclopentane	0.7	
2,4-dimethylpentane	<0.1	
benzene	0.4	0.1-0.5
cyclohexane	0.6	
2-methylhexane	0.2	
2,3-dimethylpentane	<0.1	
3-methylhexane	0.2	
2,2,4-trimethylpentane	0.2	
n-heptane	0.3	0.1-0.2
methylcyclohexane	0.6	

**LAB NO: 1603434**

**Location: Porter Ranch Community Elementary School (PRCES)**

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**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

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Flame Ionization Detection (FID)

Sample Date	02/02/16	
Canister	22471	
<b>Sampling Location</b>	<b>Porter Ranch Elem.</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	2450	100-700 ppbC
<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
2,3,4-trimethylpentane	<0.1	
toluene	0.5	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	0.2	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**

DIST  
 INVO  
 LAP  
LABOR

WO #: 1603434



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: 12/31/15

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: Q Zhou Date: 2/3/16 Time: 11:30

**REQUESTED ANALYSIS: PAMS analysis**

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Porter Ranch Community Elementary School	22471	2-2-16 / 19:00 / 5 min	<-30"	0"

Relinquished by	Received by	Firm/Agency	Date	Time
<i>[Signature]</i>	<i>[Signature]</i>	SCAQMD Lab	2/3/16	16:36

Remarks: Samples collected by passive sampling via the XonTech 912 triggered by the Mocon NMHC. Trigger is set to 20ppm  
Porter Ranch Community School Elementary – 5 Sesnon Blvd, Porter Ranch, CA 91326  
GPS (34.293369, -118.580505)