

**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:** 1601346

**REFERENCE NO:** GC6-3-70

**SAMPLE DESCRIPTION:**  
Canisters 54041

**DATE SAMPLED:** 1/10/2016

**DATE RECEIVED:** 01/13/16

**DATE ANALYZED:** 01/13/16

**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: 1/15/16

Approved By: 

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

**LAB NO:** 1601346

**Location:** Porter Ranch Elem.

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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 01/10/16  
Canister 54041 **Ambient Air**  
Sampling Location Porter Ranch Elem.

**Total NMOC, ppbC** 205 100-700 ppbC

<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
ethylene	0.5	0.7-4.1
acetylene	0.7	
propane	7.2	0.4-5.0
propylene	<0.1	0.2-0.7
isobutane	1.0	0.2-0.9
n-butane	1.4	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	N.D.	
cis-2-butene	<0.1	
isopentane	1.1	
1-pentene	N.D.	
n-pentane	0.4	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	N.D.	<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	

**LAB NO:** 1601346

**Location:** Porter Ranch Elem.

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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	01/10/16	
Canister	54041	<b>Ambient Air</b>
Sampling Location	Porter Ranch Elem.	
<b>Total NMOC, ppbC</b>	205	100-700 ppbC

<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
n-heptane	<0.1	0.1-0.2
methylcyclohexane	<0.1	
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	N.D.	
m-ethyltoluene	<0.1	
p-ethyltoluene	<0.1	
1,3,5-trimethylbenzene	N.D.	
o-ethyltoluene	N.D.	
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**

DI  
 IN  
 LA  
 LABC

WO #: 1601346



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: 12/30/15  
 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: Mike Koch Date: 1/12/16 Time: 13:00

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch Community Elementary School	54041	1/10/16 / 00:00 / 24 hours	-30"	13.0

Relinquished by	Received by	Firm/Agency	Date	Time
Mike Koch	<i>JM</i>	SCAQMD Lab	1/13/16	13:41

Remarks: 1:3 scheduled samples from trailer at PRCS  
 Porter Ranch Community School Elementary – 5 Sesnon Blvd, Porter Ranch, CA 91326  
 GPS (34.293369, -118.580505)