

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

**MONITORING & ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

**TO:** Jason Low  
Atmospheric Measurements Manager

**LABORATORY NO:** 1609731

**REFERENCE NO:** GC6-121-88

**SAMPLE DESCRIPTION:**  
24 hour Sample  
Canister # E0316

**DATE SAMPLED:** 04/06/16

**DATE RECEIVED:** 04/07/16

**DATE ANALYZED:** 04/08/16

**SAMPLE LOCATION:**  
Porter Ranch Community  
Elementary School

**ANALYZED BY:** Brian Sinajon

**REQUESTED BY:** Sumner Wilson

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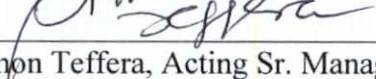
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**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

Volatile Organic Compounds (VOC) by Gas Chromatography (GC)  
and Flame Ionization Detection (FID)

Note: See attached for speciated results.

Date Approved: 4/12/16

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

**Lab Number: 1609731**  
**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)

<b>Sample Date</b>	04/06/16	
<b>Canister</b>	E0316	
<b>Sampling Location</b>	<b>Porter Ranch Elem.</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	51	100-700
<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	0.6	----
propane	1.4	0.4-5
propylene	0.1	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	1.5	----
1-pentene	<0.1	----
n-pentane	0.2	0.1-0.6
isoprene	0.2	----
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

**Lab Number: 1609731**  
**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)

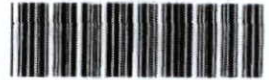
<b>Sample Date</b>	04/06/16	
<b>Canister</b>	E0316	
<b>Sampling Location</b>	<b>Porter Ranch Elem.</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	51	100-700
<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
methylcyclohexane	<0.1	----
2,3,4-trimethylpentane	<0.1	----
toluene	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	<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	<0.10
n-dodecane	<0.1	<0.10

NMOC = Non-Methane Organic Compounds  
 N.D. = Not Detected

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
SAMPLE ANALYSIS REQUEST**

DISTR  
 INVOI  
 LAP A  
 LABORA

WO #: 1609731



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: 4/7/16

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: 4/7/16 Time: 10:15am

**REQUESTED ANALYSIS: PAMS analysis**

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch Community Elementary School (PRCS)	E0316	4/6/16 / 00:00 / 24 hours	<-30"	+10

Relinquished by	Received by	Firm/Agency	Date	Time
<i>zhanqian</i>	<i>[Signature]</i>	SCAQMD Lab	4/7/16	14:43

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)