

**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:** 1606412

**REFERENCE NO:** GC6-3-78

**SAMPLE DESCRIPTION:**  
24 hour Sample  
Canister: 54174

**DATE SAMPLED:** 03/04/16

**DATE RECEIVED:** 03/05/16

**DATE ANALYZED:** 03/05/16

**SAMPLE LOCATION:**  
Porter Ranch  
Elementary School

**ANALYZED BY:** Yang Song

**REQUESTED BY:** Sumner Wilson

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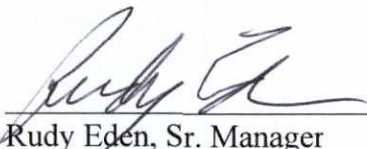
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**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

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

- Note:
1. See attached for speciated results.
  2. This is the B sample of a duplicate sample set.  
The A sample was submitted for TCA analysis.

Date Approved: 3/8/16

Approved By: 

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

**LAB NO: 1606412**  
**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	03/04/16	
Canister	54174	
<b>Sampling Location</b>	<b>Porter Ranch Elem.</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	119	100-700 ppbC
<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
ethylene	1.4	0.7-4.1
acetylene	1.4	
propane	3.4	0.4-5.0
propylene	0.3	0.2-0.7
isobutane	0.8	0.2-0.9
n-butane	1.8	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	3.5	
1-pentene	<0.1	
n-pentane	0.5	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	0.2	
3-methylpentane	0.2	
1-hexene	<0.1	<0.1-0.1
n-hexane	0.2	0.1-0.2
methylcyclopentane	0.2	
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	0.2	
n-heptane	<0.1	0.1-0.2
methylcyclohexane	<0.1	

**LAB NO: 1606412**  
**Porter Ranch Elem.**

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

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Sample Date	03/04/16	
Canister	54174	
<b>Sampling Location</b>	<b>Porter Ranch Elem.</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	119	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  
 INVC  
 LAP  
LABOR

WO #: 1606412



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: 3/5/16

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: 3/5/16 Time: 9:35am

**REQUESTED ANALYSIS: PAMS analysis**

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch Community Elementary School (PRCS)-A	54320	3/4/16 / 00:00 / 24 hours	<-30"	+10.5
Porter Ranch Community Elementary School (PRCS)-B	54174	3/4/16 / 00:00 / 24 hours	<-30"	+10

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Zhou</i>	<i>Wang</i>	SCAQMD Lab	3/5/16	12:04

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)  
 A: AQMD 0015735; B: AQMD 0015769