

**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:** 1535829

**REFERENCE NO:** GC7-117-97

**SAMPLE DESCRIPTION:**  
Summa Canisters 54545  
54652

**DATE SAMPLED:** 12/22/2015

**DATE RECEIVED:** 12/24/2015

**DATE ANALYZED:** 12/24/2015

**SAMPLE LOCATION:**  
Porter Ranch  
Elementary School

**ANALYZED BY:** Brian Sinajon

**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: 1/7/16

Approved By: 

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

**Lab Number** 1535828  
**Project** 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	12/22/2015	12/22/2015	Typical Ambient Air
Canister	54545	54652	
Sampling Location	Porter Ranch Elem.	Porter Ranch Elem.	Mean-Max
<b>Total NMOC, ppbC*</b>	2170	1380	100-700

<b>Compound</b>	<b>Conc. (ppbv)</b>	<b>Conc. (ppbv)</b>	<b>Conc. (ppbv)</b>
ethylene	3.1	1.6	0.7-4.1
acetylene	0.6	0.5	
propane	57	36	0.4-5.0
propylene	<0.1	<0.1	0.2-0.7
isobutane	6.3	4.1	0.2-0.9
n-butane	6.9	4.5	0.3-1.7
1-butene	<0.1	0.1	0.1-0.3
trans-2-butene	0.1	<0.1	
cis-2-butene	N.D.	N.D.	
isopentane	3.6	2.5	
1-pentene	<0.1	N.D.	
n-pentane	1.5	1.0	0.1-0.6
isoprene	<0.1	<0.1	
trans-2-pentene	N.D.	N.D.	
cis-2-pentene	N.D.	N.D.	
2,2-dimethylbutane	0.1	0.1	
cyclopentane	0.1	0.1	
2,3-dimethylbutane	0.1	0.1	
2-methylpentane	0.4	0.4	
3-methylpentane	0.3	0.2	
1-hexene	N.D.	N.D.	<0.1-0.1
n-hexane	0.5	0.3	0.1-0.2
methylcyclopentane	0.5	0.3	
2,4-dimethylpentane	0.1	<0.1	
benzene	0.3	0.3	0.1-0.5
cyclohexane	0.4	0.3	
2-methylhexane	0.2	0.1	
2,3-dimethylpentane	0.1	0.1	
3-methylhexane	0.4	0.1	
2,2,4-trimethylpentane	0.2	0.1	
n-heptane	0.2	0.1	0.1-0.2

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methylcyclohexane	0.5	0.4	
2,3,4-trimethylpentane	<0.1	<0.1	
toluene	0.4	0.3	0.1-0.6
2-methylheptane	0.1	<0.1	
3-methylheptane	<0.1	<0.1	
n-octane	0.1	0.1	<0.1-0.3
ethylbenzene	0.1	<0.1	0.1-0.2
m+p-xylenes	0.2	0.2	0.1-0.2
Styrene	0.3	0.1	<0.1-0.2
o-xylene	0.1	0.1	0.1-0.2
n-nonane	0.1	<0.1	<0.1-0.1
isopropylbenzene	<0.1	N.D.	
n-propylbenzene	<0.1	<0.1	
m-ethyltoluene	0.1	<0.1	
p-ethyltoluene	<0.1	N.D.	
1,3,5-trimethylbenzene	<0.1	0.1	
o-ethyltoluene	<0.1	<0.1	
1,2,4-trimethylbenzene	0.1	0.1	
n-decane	0.1	0.1	<0.1-0.1
1,2,3-trimethylbenzene	0.1	<0.1	
m-diethylbenzene	<0.1	0.1	
p-diethylbenzene	<0.1	<0.1	
n-undecane	<0.1	<0.1	<0.1
n-dodecane	N.D.	N.D.	<0.1

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

\* Ethane a significant component of NMOC.

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

DISTRI  
 INVOIC  
 LAP A  
LABORA



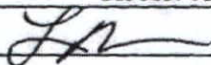
TO: SCAQMD LAB:  OTHER:   
SOURCE NAME: Southern California Gas Co. I.D. No. \_\_\_\_\_  
Source Address: 12801 Tampa Ave City: Porter Ranch  
Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: 91326  
Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_ Tel: \_\_\_\_\_

Analysis Requested by: Sumner Wilson Date: 12/22/15  
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: Robert Wimmer Date: 12-22-15 Time: 10:00 pst

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Porter Ranch Community Elementary School	54545	12/22/15 11:24 5 min	-30"	0
Porter Ranch Community Elementary School	54652	<sup>22-SW</sup> 12/22/15 21:57 5 min	-30"	0

Relinquished by	Received by	Firm/Agency	Date	Time
Sumner Wilson		SCAQMD Lab	12/24/15	13:30

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)