

**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:** 1536523

**REFERENCE NO:** GC6-3-69

**SAMPLE DESCRIPTION:**  
Canister 54729

**DATE SAMPLED:** 12/30/15

**DATE RECEIVED:** 12/31/15

**DATE ANALYZED:** 01/06/16

**SAMPLE LOCATION:**  
Porter Ranch  
Elementary School

**ANALYZED BY:** Yang Song

**REQUESTED BY:** Sumner Wilson

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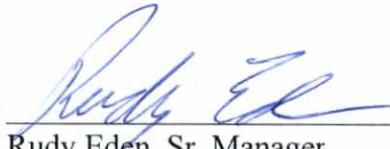
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**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

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

Note: See attached for speciated results.

Date Approved: 1/7/16

Approved By: 

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

**LAB NO:** 1536523

**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 12/30/15  
Canister 54729 **Ambient Air**  
Sampling Location Porter Ranch Elem.

**Total NMOC, ppbC** 1840 100-700 ppbC

<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
ethylene	0.4	0.7-4.1
acetylene	0.6	
propane	51	0.4-5.0
propylene	<0.1	0.2-0.7
isobutane	5.7	0.2-0.9
n-butane	6.3	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	2.6	
1-pentene	N.D.	
n-pentane	1.3	0.1-0.6
isoprene	N.D.	
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	0.4	
3-methylpentane	0.2	
1-hexene	N.D.	<0.1-0.1
n-hexane	0.4	0.1-0.2
methylcyclopentane	0.4	
2,4-dimethylpentane	<0.1	
benzene	0.3	0.1-0.5
cyclohexane	0.3	
2-methylhexane	<0.1	
2,3-dimethylpentane	<0.1	
3-methylhexane	<0.1	
2,2,4-trimethylpentane	0.1	
n-heptane	0.2	0.1-0.2
methylcyclohexane	0.4	

**LAB NO:** 1536523

**Location:** Porter Ranch Elem.

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

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Sample Date 12/30/15  
Canister 54729 **Ambient Air**  
Sampling Location Porter Ranch Elem.

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<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
2,3,4-trimethylpentane	<0.1	
toluene	0.3	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	<0.1
n-dodecane	N.D.	<0.1

NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

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

DIS1  
 INV1  
 LAP  
 LABOF

WO #: 1536523



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: Mike Koch Date: 12-31-15 Time: 13:00 pst

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Porter Ranch Community Elementary School	54729 54686 MK	12/30/15 23:10 5 min	-30"	0

Relinquished by	Received by	Firm/Agency	Date	Time
Mike Koch	<i>[Signature]</i>	SCAQMD Lab	12/31/15	15:27

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)