

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: 1536431

REFERENCE NO: GC6-3-67

SAMPLE DESCRIPTION:

Canisters 53382
54727

DATE SAMPLED: 12/26/15 & 12/29/2015

DATE RECEIVED: 12/30/15

DATE ANALYZED: 12/31/15

SAMPLE LOCATION:

Porter Ranch
Elementary School

ANALYZED BY: Yang Song

REQUESTED BY: Sumner Wilson

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

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

LAB NO: 1536431

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)

Sample Date	12/26/15	12/29/15	
Canister	53382	54727	Ambient Air
Sampling Location	Porter Ranch Elem.	Porter Ranch Elem.	

Total NMOC, ppbC	141	155	100-700 ppbC
-------------------------	-----	-----	--------------

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.2	0.5	0.7-4.1
acetylene	0.5	0.6	
propane	4.4	6.0	0.4-5.0
propylene	<0.1	<0.1	0.2-0.7
isobutane	0.5	1.0	0.2-0.9
n-butane	0.7	1.4	0.3-1.7
1-butene	N.D.	<0.1	0.1-0.3
trans-2-butene	N.D.	<0.1	
cis-2-butene	<0.1	<0.1	
isopentane	0.5	1.1	
1-pentene	N.D.	N.D.	
n-pentane	0.2	0.4	0.1-0.6
isoprene	N.D.	N.D.	
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	<0.1	0.1	
3-methylpentane	<0.1	<0.1	
1-hexene	N.D.	N.D.	<0.1-0.1
n-hexane	<0.1	0.1	0.1-0.2
methylcyclopentane	<0.1	0.1	
2,4-dimethylpentane	N.D.	<0.1	
benzene	0.1	0.2	0.1-0.5
cyclohexane	<0.1	0.1	
2-methylhexane	<0.1	<0.1	
2,3-dimethylpentane	<0.1	<0.1	
3-methylhexane	<0.1	<0.1	
2,2,4-trimethylpentane	<0.1	<0.1	
n-heptane	<0.1	<0.1	0.1-0.2
methylcyclohexane	<0.1	<0.1	

LAB NO: 1536431

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)

Sample Date	12/26/15	12/29/15	
Canister	53382	54727	Ambient Air
Sampling Location	Porter Ranch Elem.	Porter Ranch Elem.	
Total NMOC, ppbC	141	155	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
2,3,4-trimethylpentane	<0.1	<0.1	
toluene	<0.1	0.2	0.1-0.6
2-methylheptane	<0.1	<0.1	
3-methylheptane	N.D.	<0.1	
n-octane	<0.1	<0.1	<0.1-0.3
ethylbenzene	<0.1	<0.1	0.1-0.2
m+p-xylenes	<0.1	<0.1	0.1-0.2
styrene	<0.1	<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	<0.1	
n-propylbenzene	<0.1	<0.1	
m-ethyltoluene	<0.1	<0.1	
p-ethyltoluene	<0.1	<0.1	
1,3,5-trimethylbenzene	N.D.	<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	<0.1	N.D.	<0.1

NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

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

DISTRICT
 INVOICE
 LAP AUI
LABORATORY

WO #: 1536431



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: Robert Wimmer Date: 12-30-15 Time: 13:00

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch Community Elementary School	53382	12/26/15 0000 to 2359 24hours	-30"	7
Porter Ranch Community Elementary School	54727	12/29/15 0000 to 2359 24hours	-30:	10

Relinquished by	Received by	Firm/Agency	Date	Time
Sumner Wilson Wimmer	<i>[Signature]</i>	SCAQMD Lab	12/30/15	16:20

Remarks: 1:3 scheduled samples from trailer at PRCS, make-up sample for 12-20-15
 Porter Ranch Community School Elementary - 5 Sesnon Blvd, Porter Ranch, CA 91326
 GPS (34.293369, -118.580505)