

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: 1600612

REFERENCE NO: GC6-3-69

SAMPLE DESCRIPTION:

Canisters 54631
54217

DATE SAMPLED: 01/02/16 & 1/3/2016

DATE RECEIVED: 01/06/16

DATE ANALYZED: 01/06/16

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: 1/8/16

Approved By: 

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

LAB NO: 1600612

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	01/02/16	01/03/16	
Canister	54631	54217	Ambient Air
Sampling Location	Porter Ranch Elem.	Porter Ranch Elem.	

Total NMOC, ppbC	596	848	100-700 ppbC
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<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	<0.1	0.2	0.7-4.1
acetylene	0.2	0.3	
propane	17	24	0.4-5.0
propylene	<0.1	<0.1	0.2-0.7
isobutane	1.8	2.6	0.2-0.9
n-butane	2.0	3.2	0.3-1.7
1-butene	<0.1	<0.1	0.1-0.3
trans-2-butene	<0.1	<0.1	
cis-2-butene	<0.1	<0.1	
isopentane	0.8	1.2	
1-pentene	N.D.	<0.1	
n-pentane	0.4	0.7	0.1-0.6
isoprene	<0.1	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	0.2	
3-methylpentane	<0.1	0.1	
1-hexene	<0.1	<0.1	<0.1-0.1
n-hexane	0.1	0.2	0.1-0.2
methylcyclopentane	0.1	0.2	
2,4-dimethylpentane	<0.1	<0.1	
benzene	<0.1	0.1	0.1-0.5
cyclohexane	0.1	0.2	
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	0.2	

LAB NO: 1600612

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<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	0.1	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	<0.1	<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	N.D.	<0.1	
m-ethyltoluene	<0.1	<0.1	
p-ethyltoluene	<0.1	<0.1	
1,3,5-trimethylbenzene	<0.1	<0.1	
o-ethyltoluene	N.D.	N.D.	
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

NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

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

DISTRI
 INVOIC
 LAP AT
LABORA'

WO #: 1600612




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: 1/5/16 Time: 14:00 pst

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Porter Ranch Community Elementary School	54631	1/2/16 11:31 5 min	-30"	-2"
Porter Ranch Community Elementary School	54217	1/3/16 2:40 5 min	-30"	-1"

Relinquished by	Received by	Firm/Agency	Date	Time
Mike Koch		SCAQMD Lab	1/6/15	10:55

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)