

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: 1535614

REFERENCE NO: GC6-3-67
12/17/15 and

SAMPLE DESCRIPTION:
Canisters 54694
54539

DATE SAMPLED: 12/18/15

DATE RECEIVED: 12/22/15

SAMPLE LOCATION:

Porter Ranch
Elementary School

DATE ANALYZED: 12/22/15

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)

This report provides analysis for two (2) canisters not previously reported under Laboratory Number 1535614.

Note: See attached for speciated results.

Date Approved: 1/5/16

Approved By: 

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

LAB NO: 1535614

Location: Porter Ranch Elementary School

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

Quantitation of Organic Compounds by Gas Chromatography(GC) and
Flame Ionization Detection (FID)

Sample Date	12/18/15	12/18/15	
Canister	54694	54539	Ambient Air
Sampling Location	So. Cal Gas Co.	So. Cal Gas Co.	
Identified NMOC, ppbC	191	356	
Total NMOC, ppbC	1080*	392	100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.7	0.8	0.7-4.1
acetylene	0.8	0.7	
propane	38	73	0.4-5.0
propylene	0.2	0.1	0.2-0.7
isobutane	3.3	7.5	0.2-0.9
n-butane	4.1	8.9	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	2.7	3.9	
1-pentene	<0.1	<0.1	
n-pentane	1.2	1.8	0.1-0.6
isoprene	<0.1	<0.1	
trans-2-pentene	N.D.	<0.1	
cis-2-pentene	N.D.	N.D.	
2,2-dimethylbutane	<0.1	0.1	
cyclopentane	<0.1	0.2	
2,3-dimethylbutane	<0.1	0.1	
2-methylpentane	0.3	0.5	
3-methylpentane	0.2	0.3	
1-hexene	N.D.	<0.1	<0.1-0.1
n-hexane	0.3	0.5	0.1-0.2
methylcyclopentane	0.2	0.5	
2,4-dimethylpentane	<0.1	<0.1	
benzene	0.2	0.3	0.1-0.5
cyclohexane	0.2	0.5	
2-methylhexane	<0.1	0.1	
2,3-dimethylpentane	<0.1	<0.1	
3-methylhexane	<0.1	0.2	
2,2,4-trimethylpentane	0.1	<0.1	
n-heptane	0.1	0.2	0.1-0.2
methylcyclohexane	0.3	0.6	

LAB NO: 1535614

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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	0.4	0.5	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	<0.1	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	<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	<0.1	<0.1	<0.1

NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

* NMOC consists mostly of ethane.

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

DISTR
 INVOI
 LAP A
LABOR

WO #: 1535614



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: S Wilson Date: 12-21-15 Time: 10:00 pst

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Porter Ranch Community Elementary School	54538 ✓	12/17/15 18:42 5 min	-30"	0
Porter Ranch Community Elementary School	54659 ✓	12/18/15 21:57 5 min	-30"	0
Porter Ranch Community Elementary School	54656 ✓	12/18/15 22:32 5 min	-30"	0
Porter Ranch Community Elementary School	54694 ✓	12/18/15 23:08 5 min	-30"	0
Porter Ranch Community Elementary School	54539 ✓	12/18/15 23:44 5 min	-30"	0

Relinquished by	Received by	Firm/Agency	Date	Time
Sumner Wilson	<i>St. Dutz</i>	SCAQMD Lab	12-22-15	15:21

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)