

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Dr., Diamond Bar, CA 91765-4182

MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS

TO: Jason Low
Atmospheric Measurements Manager

LABORATORY NO: 1609910

REFERENCE NO: GC6-121-88

SAMPLE DESCRIPTION:
24 hour Sample
Canister # 54706

DATE SAMPLED: 04/07/16

DATE RECEIVED: 04/08/16

DATE ANALYZED: 04/09/16

SAMPLE LOCATION:
Porter Ranch
Castlebay Elementary
School

ANALYZED BY: Brian Sinajon

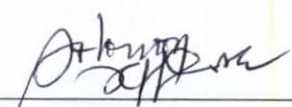
REQUESTED BY: Sumner Wilson

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: 4/12/16

Approved By: 

Solomon Teffera, Acting Sr. Manager
Laboratory Services Branch
(909) 396-2199

Lab Number: 1609910
Location: Porter Ranch / Castlebay Elem

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Sample Date	04/07/16	
Canister	54706	
Sampling Location	Castlebay Elementary	Ambient Air
Total NMOC, ppbC	118	100-700
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	1.4	0.7-4.1
acetylene	1.2	---
propane	3.0	0.4-5
propylene	0.3	0.2-0.7
isobutane	0.6	0.2-0.9
n-butane	1.0	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	---
cis-2-butene	<0.1	---
isopentane	3.1	---
1-pentene	<0.1	---
n-pentane	0.4	0.1-0.6
isoprene	<0.1	---
trans-2-pentene	<0.1	---
cis-2-pentene	<0.1	---
2,2-dimethylbutane	<0.1	---
cyclopentane	<0.1	---
2,3-dimethylbutane	<0.1	---
2-methylpentane	0.2	---
3-methylpentane	0.2	---
1-hexene	<0.1	<0.1-0.1
n-hexane	0.2	0.1-0.2
methylcyclopentane	0.2	---
2,4-dimethylpentane	<0.1	---
benzene	0.2	0.1-0.5
cyclohexane	<0.1	---
2-methylhexane	<0.1	---
2,3-dimethylpentane	0.1	---
3-methylhexane	<0.1	---
2,2,4-trimethylpentane	0.2	---
n-heptane	<0.1	0.1-0.2

Lab Number: 1609910
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ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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Sample Date	04/07/16	
Canister	54706	
Sampling Location	Castlebay Elementary	Ambient Air
Total NMOC, ppbC	118	100-700
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
methylcyclohexane	<0.1	----
2,3,4-trimethylpentane	<0.1	----
toluene	0.5	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	0.2	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	<0.10
n-dodecane	<0.1	<0.10

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

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

DIST
 INVC
 LAP /
LABOR

WO #: 1609910



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: 4/8/16
 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: Qian Zhou Date: 4/8/16 Time: 08:35am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch / Castlebay Elem	54706	4/7/16 / 00:00 / 24 hours	-30"	+20

Relinquished by	Received by	Firm/Agency	Date	Time
<i>zhongjian</i>	<i>JL</i>	SCAQMD Lab	4/8/16	10:11

Remarks: 1:3 scheduled samples from trailer at Castlebay
 Castlebay Lane Charter School – 19010 Castlebay Ln, Porter Ranch, CA
 Makeup run for 4/6/16