

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: _____ 1607808
	REFERENCE NO: _____ GC6-121-81
SAMPLE DESCRIPTION: 24 hour Sample Canister: 54651	DATE SAMPLED: _____ 03/18/16
	DATE RECEIVED: _____ 03/19/16
	DATE ANALYZED: _____ 03/19/16
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: 1. See attached for speciated results.
2. City performing asphalt work during sampling period.

Date Approved: 3/24/16

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

Lab Number: 1607808
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	03/18/16	
Canister	54651	
Sampling Location	Castlebay Elementary	Ambient Air
Total NMOC, ppbC	135	100-700
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	1.4	0.7-4.1
acetylene	1.5	----
propane	3.5	0.4-5
propylene	0.3	0.2-0.7
isobutane	0.7	0.2-0.9
n-butane	1.2	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	----
cis-2-butene	<0.1	----
isopentane	3.4	----
1-pentene	<0.1	----
n-pentane	0.5	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	0.3	----
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	0.3	0.1-0.5
cyclohexane	0.1	----
2-methylhexane	0.1	----
2,3-dimethylpentane	0.2	----
3-methylhexane	0.1	----
2,2,4-trimethylpentane	0.3	----
n-heptane	<0.1	0.1-0.2

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 Flame Ionization Detection (FID)

Sample Date	03/18/16	
Canister	54651	
Sampling Location	Castlebay Elementary	Ambient Air
Total NMOC, ppbC	135	100-700
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
methylcyclohexane	0.1	----
2,3,4-trimethylpentane	<0.1	----
toluene	0.6	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	0.3	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

N.D. = Not Detected

NMOC = Non-Methane Organic Compounds

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

DISTRICT
 INVOICE
 LAP A
LABORATORY

WO #: 1607808



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: 3/18/16

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: Eric Trinn Date: 3/19/16 Time: 10:30am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch / Castlebay Elem	54651	3/18/16 / 00:00 / 24 hours	-30"	+13

Relinquished by	Received by	Firm/Agency	Date	Time
<i>[Signature]</i>	<i>Ch Fee</i>	SCAQMD Lab	3/19/16	11:31

Remarks: Daily scheduled samples from trailer at Castlebay
Castlebay Lane Charter School – 19010 Castlebay Ln, Porter Ranch, CA
Asphalt work by City, possible contamination 3/22/16 U23