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

MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS

TO: Jason Low, Ph.D.
Atmospheric Measurements Manager
Science and Technology Advancement

LABORATORY NO: 1621115

REFERENCE NO: GC6-121-106

SAMPLE DESCRIPTION:
24 hr Sample
Canister # 22487

DATE SAMPLED: 07/29/16

DATE RECEIVED: 08/02/16

DATE ANALYZED: 08/03/16

SAMPLE LOCATION:
Castlebay 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: 8/5/16

Approved By:

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

LAB NO: 1621115
Location: Castlebay 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	07/29/16	
Canister	22487	
Sampling Location	**Castlebay Elementary School**	**Ambient Air**
Total NMOC, ppbC	105	100-700 ppbC
Compound	**Conc. (ppbv)**	**Conc. (ppbv)**
ethylene	1.0	0.7-4.1
acetylene	1.2	
propane	3.1	0.4-5.0
propylene	0.2	0.2-0.7
isobutane	0.7	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	3.0	
1-pentene	<0.1	
n-pentane	0.5	0.1-0.6
isoprene	0.5	
trans-2-pentene	<0.1	
cis-2-pentene	N.D.	
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	0.1	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
methylcyclohexane	<0.1	

LAB NO: 1621115
Location: Castlebay Elementary School

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Flame Ionization Detection (FID)

Sample Date	07/29/16	
Canister	22487	
Sampling Location	**Castlebay Elementary School**	**Ambient Air**
Total NMOC, ppbC	105	100-700 ppbC
Compound	**Conc. (ppbv)**	**Conc. (ppbv)**
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	<0.1
n-dodecane	<0.1	<0.1

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

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
SAMPLE ANALYSIS REQUEST

☒ DIST
☐ INVC
☐ LAP
LABOR

WO #: 1621115

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: 8/2/16

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: 8/2/16 Time: 12:00pm

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch / Castlebay Elem	22487	7/29/16 / 00:00 / 24 hours	-30"	+18

Relinquished by	Received by	Firm/Agency	Date	Time
zhangian	[signature]	SCAQMD Lab	08/02/16	15:27

Remarks: 1:6 scheduled samples from trailer at Castlebay

Castlebay Lane Charter School – 19010 Castlebay Ln, Porter Ranch, CA

Right sampler, sn 4671