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

SAMPLE DESCRIPTION:
Triggered Sample
Canister: 54705

SAMPLE LOCATION:
Porter Ranch
Castlebay Elementary
School

LABORATORY NO: 1603431

REFERENCE NO: GC6-3-74

DATE SAMPLED: 02/01/16

DATE RECEIVED: 02/03/16

DATE ANALYZED: 02/05/16

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: 2/17/16

Approved By:

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

H:\Ambient VOCs\00toxPAMS\2016 PAMS\Special Projects\LN1603431_Gas_YS_RD

LAB NO: 1603431
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	02/01/16	
Canister	54705	
Sampling Location	**Castlebay Elementary**	**Ambient Air**
Total NMOC, ppbC	995	100-700 ppbC

Compound	**Conc. (ppbv)**	**Conc. (ppbv)**
ethylene	0.8	0.7-4.1
acetylene	0.8	
propane	33	0.4-5.0
propylene	0.1	0.2-0.7
isobutane	3.9	0.2-0.9
n-butane	4.6	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	1.9	
1-pentene	<0.1	
n-pentane	1.0	0.1-0.6
isoprene	<0.1	
trans-2-pentene	N.D.	
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	0.3	0.1-0.2
methylcyclopentane	0.2	
2,4-dimethylpentane	<0.1	
benzene	0.2	0.1-0.5
cyclohexane	0.2	
2-methylhexane	<0.1	
2,3-dimethylpentane	<0.1	
3-methylhexane	<0.1	
2,2,4-trimethylpentane	<0.1	
n-heptane	<0.1	0.1-0.2
methylcyclohexane	0.2	

LAB NO: 1603431
Location: Porter Ranch / Castlebay Elem

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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Flame Ionization Detection (FID)

Sample Date	02/01/16	
Canister	54705	
Sampling Location	**Castlebay Elementary**	**Ambient Air**
Total NMOC, ppbC	995	100-700 ppbC
Compound	**Conc. (ppbv)**	**Conc. (ppbv)**
2,3,4-trimethylpentane	<0.1	
toluene	0.1	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	<0.1	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

☒ DISTI
☐ INVOI
☐ LAP A
LABORA

WO #: 1603431

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: 1/26/15

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: Robert Wimmer Date: 2/3/16 Time: 12:00

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Castle Bay Charter School	54705	2/1/16 06:15 5 min	-30"	-1"

Relinquished by	Received by	Firm/Agency	Date	Time
R. Wimmer		SCAQMD Lab	2/3/16	16:34

Remarks: Samples collected by passive sampling via the XonTech 912 triggered by the Mocon NMHC.

Trigger is set to 20ppm

Castle Bay Charter School 19010 Castlebay Ln, Porter Ranch, CA 91326

GPS: 34.315022, -118.564872