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

SAMPLE DESCRIPTION:
24 hr Sample
Canister # E4296

SAMPLE LOCATION:
Porter Ranch Community School

LABORATORY NO: 1621117
REFERENCE NO: GC6-121-106
DATE SAMPLED: 07/29/16
DATE RECEIVED: 08/02/16
DATE ANALYZED: 08/03/16
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: 8/5/16 Approved By: Solomon Teffera

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

LAB NO: 1621117
Location: Porter Ranch Community 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	E4296	
Sampling Location	**Porter Ranch Community School**	**Ambient Air**
Total NMOC, ppbC	94	100-700 ppbC
Compound	**Conc. (ppbv)**	**Conc. (ppbv)**
ethylene	0.9	0.7-4.1
acetylene	1.1	
propane	2.4	0.4-5.0
propylene	0.1	0.2-0.7
isobutane	0.6	0.2-0.9
n-butane	0.9	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	0.4	0.1-0.6
isoprene	0.3	
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	0.1	
1-hexene	<0.1	<0.1-0.1
n-hexane	0.1	0.1-0.2
methylcyclopentane	0.1	
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: 1621117
Location: Porter Ranch Community 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	E4296	
Sampling Location	**Porter Ranch Community School**	**Ambient Air**
Total NMOC, ppbC	94	100-700 ppbC
Compound	**Conc. (ppbv)**	**Conc. (ppbv)**
2,3,4-trimethylpentane	<0.1	
toluene	0.4	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

☒ DIST
☐ INVC
☐ LAP
LABOR

WO #: 1621117

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: 11:30

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch Community Elementary School (PRCS)	E4296	7/29/16 / 00:00 / 24 hours	<-30"	+20

Relinquished by	Received by	Firm/Agency	Date	Time
zhongian		SCAQMD Lab	08/02/16	15:27

Remarks: 1:6 scheduled samples from trailer at PRCS

Porter Ranch Community School Elementary – **12450 Mason Ave, Porter Ranch, CA 91326**

GPS (34.293369, -118.580505)

Right sampler, sn 3900