### 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 Manage	LABORATORY NO:	1619005
	Science and Technology Advanceme		GC6-121-104
SAMPLE DESCRIPTION:		DATE SAMPLED:	07/08/16
	24 hr Sample Canister # 54719	DATE RECEIVED:	07/09/16
CAM	DI E I OCATION	DATE ANALYZED:	07/11/16
SAMPLE LOCATION: Porter Ranch Community 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: 7/13/16 Approved By:

Solomon Teffera, Acting Sr. Manager

Laboratory Services Branch

(909) 396-2199

# LAB NO: 1619005 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	07/08/16			
Canister	54719			
Sampling Location	Porter Ranch Community School	Ambient Air		
Total NMOC, ppbC	72	100-700 ppbC		
Compound	Conc. (ppbv)	Conc. (ppbv)		
ethylene	0.9	0.7-4.1		
acetylene	0.7			
propane	2.6	0.4-5.0		
propylene	0.2	0.2-0.7		
isobutane	0.4	0.2-0.9		
n-butane	0.6	0.3-1.7		
1-butene	<0.1	0.1-0.3		
trans-2-butene	<0.1			
cis-2-butene	<0.1			
isopentane	2.1			
1-pentene	<0.1			
n-pentane	0.3	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	0.1			
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	0.1	0.1-0.5		
cyclohexane	<0.1			
2-methylhexane	< 0.1			
2,3-dimethylpentane	<0.1			
3-methylhexane	<0.1			
2,2,4-trimethylpentane	0.1			
n-heptane	< 0.1	0.1-0.2		
methylcyclohexane	<0.1			

# LAB NO: 1619005 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	07/08/16	
Canister	54719	
Sampling Location	Porter Ranch Community School	Ambient Air
Total NMOC, ppbC	72	100-700 ppbC
Compound	Conc. (ppbv)	Conc. (ppbv)
2,3,4-trimethylpentane	<0.1	
toluene	0.3	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

WO #: 1619005

TO: SCAQMD LAB: ⊠	OTHER	: 🗆				
SOURCE NAME: Southern California Gas Co. I.D. No.						
Source Address: 12801	Tampa Ave		City:	Porter Ran	ch	
Mailing Address:		City:		Zip:	91326	
Analysis Requested by:	Sumner V	Wilson	Date:	7/9/16		
Approved by: Jas	son Low O	Office:		Budget #:	Budget #: 44716	
REASON REQUESTED: Suspected Violation						
Sample Collected by:	Qian Zhou	Date:	7/9/16	Time:1	10:45am	
	REQUESTED	ANALYSIS:	PAMS analysis			
City/Location	Can#	Start day	/ time/ duration	Start vac	End Press	
Porter Ranch Commun Elementary School (PR		7/8/16 / 00:00 / 24 hours		<-30"	+21	
Relinquished by	Received	l by	Firm/Agency	Date	Time	
Zhoyian	Juh		SCAQMD Lab	7/9/16	13:30	
- A						