### 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.	LABORATORY NO:	1614212
	Atmospheric Measurements Manager		
	Science and Technology Advancement	REFERENCE NO:	GC6-3-96
SAM	PLE DESCRIPTION:	DATE SAMPLED:	05/21/16
	24 hour Sample	_	
	Canister # 22486	DATE RECEIVED:	05/23/16
		DATE ANALYZED:	05/24/16
SAM	PLE LOCATION:	_	
	Porter Ranch Community	ANALYZED BY:	Yang Song
	Elementary School	· · · · · · · · · · · · · · · · · · ·	
		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: 125/16 Approved By:

Solomon Teffera, Acting Sr. Manager

Laboratory Services Branch

(909) 396-2199

# LAB NO: 1614212 Location: Porter Ranch Elem.

### ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

Quantitation of Organic Compounds by Gas Chromatography(GC) and Flame Ionization Detection (FID)

Sample Date	05/21/16	
Canister	22486	
Sampling Location	Porter Ranch Elem.	Ambient Air
Total NMOC, ppbC	59	100-700 ppbC
Compound	Conc. (ppbv)	Conc. (ppbv)
ethylene	0.5	0.7-4.1
acetylene	0.3	
propane	0.7	0.4-5.0
propylene	< 0.1	0.2-0.7
isobutane	0.1	0.2-0.9
n-butane	0.2	0.3-1.7
1-butene	< 0.1	0.1-0.3
trans-2-butene	N.D.	
cis-2-butene	< 0.1	
isopentane	1.6	
1-pentene	< 0.1	
n-pentane	< 0.1	0.1-0.6
isoprene	< 0.1	
trans-2-pentene	N.D.	
cis-2-pentene	N.D.	
2,2-dimethylbutane	< 0.1	
cyclopentane	N.D.	
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: 1614212 Location: Porter Ranch Elem.

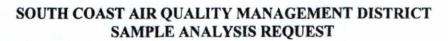
### ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

Quantitation of Organic Compounds by Gas Chromatography(GC) and Flame Ionization Detection (FID)

Sample Date	05/21/16	
Canister	22486	
<b>Sampling Location</b>	Porter Ranch Elem.	Ambient Air
Total NMOC, ppbC	59	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	0.4	
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

### WO #: 1614212





TO: SCAQMD LAB: ⊠	OTHER	: 🗀			
SOURCE NAME:	Southern Cali	ifornia Gas C	Co. I.D. No	).	
Source Address: 12801	Гатра Ave		City:	Porter Ranc	h
Mailing Address:			City:	Zip:	91326
Analysis Requested by:	Sumner	Wilson	Date:	5/23/16	
Approved by: Jase	on Low O	ffice:	J	Budget #:	44716
REASON REQUESTED:	Court/Hearing Board	Perm	nit Pending	Hazardous/Toxio	Spill
Suspected Violation	Rule(s)		Other		
Sample Collected by:	Qian Zhou	Date:	5/23/16	Time: 0	9:45am
_			: PAMS analysis		
City/Location	Can#		y / time/ duration	Start vac	End Press
Porter Ranch Commun	ity	5/21/16 / 00:00 / 24 hours			
Elementary School (PRO	22.406	5/21/16	/ 00:00 / 24 hours	<-30"	+16
	22.406	5/21/16	/ 00:00 / 24 hours	<-30"	+16
	22.406	5/21/16	/ 00:00 / 24 hours	<-30"	+16
	22.406		Firm/Agency	<-30"	+16
Elementary School (PRO	CS) 22486	l by			
Relinquished by	Received	l by	Firm/Agency	Date	Time