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	LABORATORY NO:	1616936
	Science and Technology Advancement	REFERENCE NO:	GC6-121-100
SAM	PLE DESCRIPTION:	DATE SAMPLED:	06/17/16
	Triggered Sample Canister # 54729	DATE RECEIVED:	06/17/16
CAM	DI E I OCATION	DATE ANALYZED:	06/17/16
SAM	PLE LOCATION: Highlands Community Center	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: 6/21/16 Approved By:

Solomon Teffera, Acting Sr. Manager

Laboratory Services Branch

(909) 396-2199

LAB NO: 1616936 Location: Highlands Community Center

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Sample Date	06/17/16	
Canister	54729	
Sampling Location	Highlands Community	Ambient Air
	Center	
Total NMOC, ppbC	278	100-700 ppbC
Compound	Conc. (ppbv)	Conc. (ppbv)
ethylene	4.6	0.7-4.1
acetylene	4.7	
propane	3.1	0.4-5.0
propylene	1.4	0.2-0.7
isobutane	0.6	0.2-0.9
n-butane	1.1	0.3-1.7
1-butene	0.3	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	6.3	
1-pentene	<0.1	
n-pentane	2.0	0.1-0.6
isoprene	< 0.1	
trans-2-pentene	< 0.1	
cis-2-pentene	<0.1	
2,2-dimethylbutane	0.2	
cyclopentane	0.2	
2,3-dimethylbutane	0.5	
2-methylpentane	1.6	
3-methylpentane	1.1	
1-hexene	<0.1	< 0.1-0.1
n-hexane	1.3	0.1-0.2
methylcyclopentane	0.9	
2,4-dimethylpentane	0.5	
benzene	1.2	0.1-0.5
cyclohexane	0.4	
2-methylhexane	0.6	
2,3-dimethylpentane	0.8	
3-methylhexane	0.7	
2,2,4-trimethylpentane	1.1	
n-heptane	0.5	0.1-0.2
methylcyclohexane	0.3	

LAB NO: 1616936 Location: Highlands Community Center

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Sample Date	06/17/16	
Canister	54729	
Sampling Location	Highlands Community	Ambient Air
	Center	
Total NMOC, ppbC	278	100-700 ppbC
Compound	Cone (nnhy)	Cone (nnhy)
2,3,4-trimethylpentane	<u>Conc. (ppbv)</u> 0.3	Conc. (ppbv)
toluene	1.9	0.1-0.6
2-methylheptane	0.2	0.1-0.0
	0.3	
3-methylheptane n-octane	0.3	<0.1.0.2
		<0.1-0.3
ethylbenzene	0.3	0.1-0.2
m+p-xylenes	1.3	0.1-0.2
styrene	0.1	<0.1-0.2
o-xylene	0.5	0.1-0.2
n-nonane	<0.1	< 0.1-0.1
isopropylbenzene	<0.1	
n-propylbenzene	<0.1	
m-ethyltoluene	0.3	
p-ethyltoluene	0.1	
1,3,5-trimethylbenzene	0.1	
o-ethyltoluene	0.1	
1,2,4-trimethylbenzene	0.4	
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
	97.07	0.1

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

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT SAMPLE ANALYSIS REQUEST

\times	DISTRICT INFORMATION
	INVOICE SOURCE
	LAP AUDIT
LA	BORATORY NO 16 16 936 -0

Source Address: 12801 Tampa Ave City: Porter Ranch Mailing Address: City: Zip: 9 Contact Person: Title: Tel: Analysis Requested by: Sumner Wilson Date: 6/17/16 Approved by: Jason Low Office: Budget #: 447 REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spi Suspected Violation Rule(s) Other Sample Collected by: Qian Zhou Date: 6/17/16 Time: 11:00 REQUESTED ANALYSIS: PAMS analysis City/Location Can# Start day / time/ duration Start vac En				LABOI				
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Analysis Requested by: Sumner Wilson Date: 6/17/16 Approved by: Jason Low Office: Budget #: 44' REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spi Suspected Violation Rule(s) Other Sample Collected by: Qian Zhou Date: 6/17/16 Time: 11:00 REQUESTED ANALYSIS: PAMS analysis City/Location Can# Start day / time/ duration Start vac En		Ranch	Porter R	City:		oa Ave	12801 Tampa	ource Address:
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