

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	LABORATORY NO: <u>1620213</u>
	REFERENCE NO: <u>GC6-121-105</u>
SAMPLE DESCRIPTION: 24 hr Sample Canister # 54645	DATE SAMPLED: <u>07/20/16</u>
	DATE RECEIVED: <u>07/21/16</u>
	DATE ANALYZED: <u>07/22/16</u>
SAMPLE LOCATION: Reseda Station 18328 Gault St. Los Angeles, CA 91335	ANALYZED BY: <u>Yang Song</u>
	REQUESTED BY: <u>Sumner Wilson</u>

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: 9/14/16

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

LAB NO: 1620213
Location: Reseda Station

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Sample Date	07/20/16	
Canister	54645	
Sampling Location	Reseda Station	Ambient Air
Total NMOC, ppbC	146	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	2.0	0.7-4.1
acetylene	1.2	
propane	3.4	0.4-5.0
propylene	0.6	0.2-0.7
isobutane	0.7	0.2-0.9
n-butane	1.2	0.3-1.7
1-butene	0.2	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	4.7	
1-pentene	<0.1	
n-pentane	0.6	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	0.4	
3-methylpentane	0.2	
1-hexene	<0.1	<0.1-0.1
n-hexane	0.2	0.1-0.2
methylcyclopentane	0.2	
2,4-dimethylpentane	0.1	
benzene	0.3	0.1-0.5
cyclohexane	<0.1	
2-methylhexane	0.1	
2,3-dimethylpentane	0.2	
3-methylhexane	0.2	
2,2,4-trimethylpentane	0.3	
n-heptane	0.1	0.1-0.2
methylcyclohexane	0.1	

LAB NO: 1620213
Location: Reseda Station

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Canister	54645	
Sampling Location	Reseda Station	Ambient Air
Total NMOC, ppbC	146	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
2,3,4-trimethylpentane	<0.1	
toluene	0.7	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	0.4	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 #: 1620213



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: 7/21/16

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: 7/21/16 Time: 11:30am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Reseda Station	54645	7/20/16 / 00:00 / 24 hours	<-30"	+13

Relinquished by	Received by	Firm/Agency	Date	Time
<i>zhongian</i>	<i>John McLaughlin</i>	SCAQMD Lab	<i>7-27-16</i>	<i>13:12</i>

Remarks: 1:3 scheduled samples from station at Reseda.
Reseda Station - 18328 Gault St, Los Angeles, CA 91335
GPS (34.199225, -118.532743). Right sampler sn 6113