

**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:** 1620534

**REFERENCE NO:** GC6-121-106

**SAMPLE DESCRIPTION:**  
24 hr Sample  
Canister # 53383

**DATE SAMPLED:** 07/23/16

**DATE RECEIVED:** 07/26/16

**DATE ANALYZED:** 07/27/16

**SAMPLE LOCATION:**  
Reseda Station  
18328 Gault St.  
Los Angeles, CA 91335

**ANALYZED BY:** Yang Song

**REQUESTED BY:** Sumner Wilson

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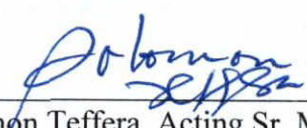
**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

Volatile Organic Compounds (VOC) by Gas Chromatography(GC)  
and Flame Ionization Detection (FID)

Note: See attached for speciated results.

Date Approved: 8/2/16

Approved By: \_\_\_\_\_

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

**LAB NO: 1620534**  
**Location: Reseda Station**

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**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**  
Quantitation of Organic Compounds by Gas Chromatography(GC) and  
Flame Ionization Detection (FID)

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Sample Date	07/23/16	
Canister	53383	
<b>Sampling Location</b>	<b>Reseda Station</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	215	100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	2.8	0.7-4.1
acetylene	1.8	
propane	5.6	0.4-5.0
propylene	0.7	0.2-0.7
isobutane	1.1	0.2-0.9
n-butane	1.7	0.3-1.7
1-butene	0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	5.6	
1-pentene	<0.1	
n-pentane	0.9	0.1-0.6
isoprene	0.6	
trans-2-pentene	<0.1	
cis-2-pentene	<0.1	
2,2-dimethylbutane	0.1	
cyclopentane	0.1	
2,3-dimethylbutane	0.2	
2-methylpentane	0.6	
3-methylpentane	0.4	
1-hexene	<0.1	<0.1-0.1
n-hexane	0.3	0.1-0.2
methylcyclopentane	0.4	
2,4-dimethylpentane	0.2	
benzene	0.4	0.1-0.5
cyclohexane	0.1	
2-methylhexane	0.2	
2,3-dimethylpentane	0.3	
3-methylhexane	0.2	
2,2,4-trimethylpentane	0.5	
n-heptane	0.2	0.1-0.2
methylcyclohexane	0.2	

**LAB NO: 1620534**  
**Location: Reseda Station**

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

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

Sample Date	07/23/16	
Canister	53383	
<b>Sampling Location</b>	<b>Reseda Station</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	215	100-700 ppbC
<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
2,3,4-trimethylpentane	0.1	
toluene	1.1	0.1-0.6
2-methylheptane	0.2	
3-methylheptane	0.2	
n-octane	0.3	<0.1-0.3
ethylbenzene	0.1	0.1-0.2
m+p-xylenes	0.8	0.1-0.2
styrene	<0.1	<0.1-0.2
o-xylene	0.2	0.1-0.2
n-nonane	0.3	<0.1-0.1
isopropylbenzene	<0.1	
n-propylbenzene	<0.1	
m-ethyltoluene	0.2	
p-ethyltoluene	<0.1	
1,3,5-trimethylbenzene	<0.1	
o-ethyltoluene	<0.1	
1,2,4-trimethylbenzene	0.2	
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 #: 1620534



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: 7/26/16  
 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: 7/26/16 Time: 15:00pm

**REQUESTED ANALYSIS: PAMS analysis**

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Reseda Station	53383	7/23/16 / 00:00 / 24 hours	<-30"	+12

Relinquished by	Received by	Firm/Agency	Date	Time
Zhouqian	<i>[Signature]</i>	SCAQMD Lab	7/26/2016	17:21

Remarks: 1:6 scheduled samples from station at Reseda.  
 Reseda Station - 18328 Gault St, Los Angeles, CA 91335  
 GPS (34.199225, -118.532743). Left sampler sn 4148