

**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:** 1621118

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

**SAMPLE DESCRIPTION:**  
24 hr Sample  
Canister # 54707

**DATE SAMPLED:** 07/29/16

**DATE RECEIVED:** 08/02/16

**DATE ANALYZED:** 08/03/16

**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: 8/5/16

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

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

**LAB NO: 1621118**  
**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	07/29/16	
Canister	54707	
<b>Sampling Location</b>	<b>Reseda Station</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	135	100-700 ppbC
<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
ethylene	1.7	0.7-4.1
acetylene	1.2	
propane	4.2	0.4-5.0
propylene	0.5	0.2-0.7
isobutane	0.8	0.2-0.9
n-butane	1.1	0.3-1.7
1-butene	0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	3.6	
1-pentene	<0.1	
n-pentane	0.5	0.1-0.6
isoprene	0.5	
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	0.1	
2,2,4-trimethylpentane	0.3	
n-heptane	<0.1	0.1-0.2
methylcyclohexane	0.1	

**LAB NO: 1621118**  
**Location: Reseda Station**

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

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Sample Date	07/29/16	
Canister	54707	
<b>Sampling Location</b>	<b>Reseda Station</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	135	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	0.6	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 #: 1621118

- DIST
- INVC
- LAP
- LABOR



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: 8/2/16

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: 8/2/16 Time: 13:30

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Reseda Station	54707	7/29/16 / 00:00 / 24 hours	<-30"	+11

Relinquished by	Received by	Firm/Agency	Date	Time
<i>zhongjian</i>	<i>Qian Zhou</i>	SCAQMD Lab	<i>08/02/16</i>	<i>15:27</i>

Remarks: 1:6 scheduled samples from station at Reseda.  
Reseda Station – 18328 Gault St, Los Angeles, CA 91335  
GPS (34.199225, -118.532743). Right sampler sn 6113