

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Dr., Diamond Bar, CA 91765-4182**

**MONITORING & ANALYSIS  
REPORT OF LABORATORY ANALYSIS**

**TO:** Jason Low  
Atmospheric Measurements Manager  
Science and Technology Advancement

**LABORATORY NO:** 1610013

**REFERENCE NO:** GC6-121-89

**SAMPLE DESCRIPTION:**  
24 hour sample  
Canister # 54103

**DATE SAMPLED:** 04/09/16

**DATE RECEIVED:** 04/11/16

**DATE ANALYZED:** 04/12/16

**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: 4/13/16 Approved By:   
Solomon Teffera, Acting Sr. Manager  
Laboratory Services Branch  
(909) 396-2199

**LAB NO: 1610013**  
**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	04/09/16	
Canister	54103	
<b>Sampling Location</b>	<b>Reseda Station</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	339	100-700 ppbC
<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
ethylene	1.0	0.7-4.1
acetylene	0.7	
propane	1.4	0.4-5.0
propylene	0.3	0.2-0.7
isobutane	0.4	0.2-0.9
n-butane	0.7	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	7.8	
1-pentene	<0.1	
n-pentane	0.3	0.1-0.6
isoprene	<0.1	
trans-2-pentene	<0.1	
cis-2-pentene	<0.1	
2,2-dimethylbutane	<0.1	
cyclopentane	0.2	
2,3-dimethylbutane	<0.1	
2-methylpentane	0.2	
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	0.2	0.1-0.5
cyclohexane	<0.1	
2-methylhexane	<0.1	
2,3-dimethylpentane	0.1	
3-methylhexane	0.1	
2,2,4-trimethylpentane	0.2	

**LAB NO: 1610013**  
**Location: Reseda Station**

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 Flame Ionization Detection (FID)

Sample Date	04/09/16	
Canister	54103	
<b>Sampling Location</b>	<b>Reseda Station</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	339	100-700 ppbC
<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
n-heptane	0.1	0.1-0.2
methylcyclohexane	0.2	
2,3,4-trimethylpentane	<0.1	
toluene	0.6	0.1-0.6
2-methylheptane	0.5	
3-methylheptane	0.5	
n-octane	1.2	<0.1-0.3
ethylbenzene	<0.1	0.1-0.2
m+p-xylenes	1.8	0.1-0.2
styrene	0.1	<0.1-0.2
o-xylene	0.3	0.1-0.2
n-nonane	0.9	<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	0.3	
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**

DISTRICT INFORMATION  
 INVOICE  
 LAP AUD  
 LABORATC

WO #: 1610013



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: \_\_\_\_\_ 4/11/16  
 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: \_\_\_\_\_ 4/11/16 \_\_\_\_\_ Time: \_\_\_\_\_ 11:35pm

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Reseda Station	54103	4/9/16 / 00:00 / 24 hours	<-30"	-2

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Zhangqian</i>	<i>Brian Sirajon</i>	SCAQMD Lab	<i>4/11/16</i>	<i>1:30PM</i>

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