

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

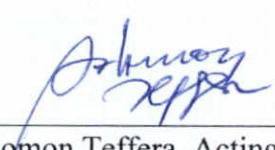
**MONITORING & ANALYSIS  
REPORT OF LABORATORY ANALYSIS**

<b>TO:</b> Jason Low, Ph.D. Atmospheric Measurements Manager Science and Technology Advancement	<b>LABORATORY NO:</b> <u>1610923</u>
	<b>REFERENCE NO:</b> <u>GC6-3-91</u>
<b>SAMPLE DESCRIPTION:</b> 24 hour Sample Canister # 54212	<b>DATE SAMPLED:</b> <u>04/18/16</u>
	<b>DATE RECEIVED:</b> <u>04/19/16</u>
	<b>DATE ANALYZED:</b> <u>04/20/16</u>
<b>SAMPLE LOCATION:</b> Reseda Station 18328 Gault St. Los Angeles, CA 91335	<b>ANALYZED BY:</b> <u>Yang Song</u>
	<b>REQUESTED BY:</b> <u>Sumner Wilson</u>

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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: 4/22/16 Approved By:   
Solomon Teffera, Acting Sr. Manager  
Laboratory Services Branch  
(909) 396-2199

**LAB NO: 1610923**  
**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	04/18/16	
Canister	54212	
<b>Sampling Location</b>	<b>Reseda Station</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	183	100-700 ppbC
<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
ethylene	2.4	0.7-4.1
acetylene	1.7	
propane	5.3	0.4-5.0
propylene	0.7	0.2-0.7
isobutane	1.1	0.2-0.9
n-butane	1.9	0.3-1.7
1-butene	0.2	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	5.0	
1-pentene	<0.1	
n-pentane	0.7	0.1-0.6
isoprene	0.2	
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	0.5	
3-methylpentane	0.3	
1-hexene	<0.1	<0.1-0.1
n-hexane	0.3	0.1-0.2
methylcyclopentane	0.3	
2,4-dimethylpentane	0.2	
benzene	0.3	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: 1610923**  
**Location: Reseda Station**

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

Sample Date	04/18/16	
Canister	54212	
<b>Sampling Location</b>	<b>Reseda Station</b>	<b>Ambient Air</b>
<b>Total NMOC, ppbC</b>	183	100-700 ppbC
<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
2,3,4-trimethylpentane	0.2	
toluene	1.2	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	0.6	0.1-0.2
styrene	<0.1	<0.1-0.2
o-xylene	0.2	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	0.2	
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**

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 D  
 L  
LAB

WO #: 1610923



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: 4/19/16

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: 4/19/16 Time: 11:05pm

**REQUESTED ANALYSIS: PAMS analysis**

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Reseda Station	54212	4/18/16 / 00:00 / 24 hours	<-30"	+15.5

Relinquished by	Received by	Firm/Agency	Date	Time
<i>zhongqian</i>	<i>JL</i>	SCAQMD Lab	4/19/16	13:52

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