

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>1618413</u>
	REFERENCE NO: <u>GC6-121-103</u>
SAMPLE DESCRIPTION: 24 hr Sample Canister # 53413	DATE SAMPLED: <u>07/02/16</u>
	DATE RECEIVED: <u>07/05/16</u>
	DATE ANALYZED: <u>07/06/16</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: 7/11/16

Approved By: 

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

LAB NO: 1618413
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	07/02/16	
Canister	53413	
Sampling Location	Reseda Station	Ambient Air
Total NMOC, ppbC	129	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	1.1	0.7-4.1
acetylene	0.8	
propane	2.7	0.4-5.0
propylene	0.3	0.2-0.7
isobutane	0.7	0.2-0.9
n-butane	0.8	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	3.2	
1-pentene	<0.1	
n-pentane	0.4	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	0.1	
2-methylpentane	0.3	
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	0.2	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	
n-heptane	0.1	0.1-0.2
methylcyclohexane	0.1	

LAB NO: 1618413
Location: Reseda Station

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Canister	53413	
Sampling Location	Reseda Station	Ambient Air
Total NMOC, ppbC	129	100-700 ppbC
<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
2,3,4-trimethylpentane	<0.1	
toluene	0.6	0.1-0.6
2-methylheptane	0.2	
3-methylheptane	0.2	
n-octane	0.4	<0.1-0.3
ethylbenzene	<0.1	0.1-0.2
m+p-xylenes	0.5	0.1-0.2
styrene	<0.1	<0.1-0.2
o-xylene	0.1	0.1-0.2
n-nonane	0.2	<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**

DISTRICT
 INVOICE
 LAP AL
LABORATORY

WO #: 1618413



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: _____ 7/5/16
 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: _____ 7/5/16 _____ Time: _____ 12:30pm

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Reseda Station	53413	7/2/16 / 00:00 / 24 hours	<-30"	+11

Relinquished by	Received by	Firm/Agency	Date	Time
<i>z/ouqian</i>	<i>CM T...</i>	SCAQMD Lab	7/5/16	14:45

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