

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

**MONITORING & ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

<b>TO:</b> Cher Snyder Assistant DEO Engineering and Compliance	<b>LABORATORY NO:</b> <u>1535830</u>
	<b>REFERENCE NO:</b> <u>GC6-3-70</u>
<b>SAMPLE DESCRIPTION:</b> Canisters 54758	<b>DATE SAMPLED:</b> <u>12/23/2015</u>
	<b>DATE RECEIVED:</b> <u>12/24/15</u>
	<b>DATE ANALYZED:</b> <u>01/12/16</u>
<b>SAMPLE LOCATION:</b> So Cal Gas-Aliso Canyon 19000 S. Block Porter Ranch	<b>ANALYZED BY:</b> <u>Yang Song</u>
	<b>REQUESTED BY:</b> <u>Rhonda Laugeson</u>

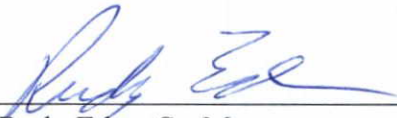
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**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

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

Note: See attached for speciated results.

Date Approved: 1/15/16 Approved By:   
Rudy Eden, Sr. Manager  
Laboratory Services Branch  
(909) 396-2391

**LAB NO:** 1535830

**Location:** Porter Ranch

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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 12/23/15  
Canister 54758 **Ambient Air**  
Sampling Location Porter Ranch

**Total NMOC, ppbC** 643 100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	0.1	0.7-4.1
acetylene	0.1	
propane	17.3	0.4-5.0
propylene	<0.1	0.2-0.7
isobutane	1.8	0.2-0.9
n-butane	2.1	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	<0.1	
isopentane	0.7	
1-pentene	<0.1	
n-pentane	0.4	0.1-0.6
isoprene	<0.1	
trans-2-pentene	N.D.	
cis-2-pentene	N.D.	
2,2-dimethylbutane	<0.1	
cyclopentane	<0.1	
2,3-dimethylbutane	<0.1	
2-methylpentane	0.1	
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	<0.1	0.1-0.5
cyclohexane	0.1	
2-methylhexane	<0.1	
2,3-dimethylpentane	<0.1	
3-methylhexane	<0.1	
2,2,4-trimethylpentane	<0.1	

LAB NO: 1535830

Location: Porter Ranch

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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 12/23/15  
Canister 54758 **Ambient Air**  
Sampling Location Porter Ranch

**Total NMOC, ppbC** 643 100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
n-heptane	<0.1	0.1-0.2
methylcyclohexane	0.1	
2,3,4-trimethylpentane	<0.1	
toluene	<0.1	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	<0.1	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	N.D.	
m-ethyltoluene	N.D.	
p-ethyltoluene	<0.1	
1,3,5-trimethylbenzene	<0.1	
o-ethyltoluene	N.D.	
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**

DISTRICT  
 INVOICE  
LABORATORY



TO: SCAQMD LAB:  OTHER:

SOURCE NAME: So Cal Gas- Aliso Canyon I.D. No. 800128

Source Address: 12801 Tampa Ave City: Northridge

Mailing Address: Same City:  Zip: 91326

Contact Person:  Title:  Tel:

Analysis Requested by: Rhonda Laugeson Date: 12/23/15

Approved by: C. Laugeson Office: Compliance Budget #: 50-375

REASON REQUESTED: Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill

Suspected Violation Rule(s) 402 Other

Sample Collected by: Rhonda Laugeson Date: 12/23/15 Time: 2048

Sample is Silonite coated 6 liter canister No. 54758. Sample was obtained from the backyard of [REDACTED] Porter Ranch, CA.

Analysis Requested: Mercaptans, hydrocarbons.

Relinquished by	Received by	Firm/Agency	Date	Time
<i>R. Laugeson</i>	<i>John A. Richard</i>	AGURS	12/23/15	1450
<i>John A. Richard</i>	<i>[Signature]</i>	SCAQMD LAB	12/24/15	16:05

Remarks: Porter Ranch Complaint. Please expedite and forward results to Rafael Reynosa, Cher Snyder, and Mohsen Nazemi.