

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

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

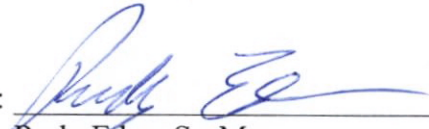
<b>TO:</b> Cher Snyder Assistant DEO	<b>LABORATORY NO:</b> <u>1532918</u>
	<b>REFERENCE NO:</b> <u>GC6-3-65</u>
<b>SAMPLE DESCRIPTION:</b> Canister E4224	<b>DATE SAMPLED:</b> <u>11/22/15</u>
	<b>DATE RECEIVED:</b> <u>11/25/15</u>
	<b>DATE ANALYZED:</b> <u>12/04/15</u>
<b>SAMPLE LOCATION:</b> Highlands Residential Community 19400 Block Porter Ranch	<b>ANALYZED BY:</b> <u>Yang Song</u>
	<b>REQUESTED BY:</b> <u>Laurance B. Israel</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: 11/5/16 Approved By:   
Rudy Eden, Sr. Manager  
Laboratory Services Branch  
(909) 396-2391

**LAB NO:** 1532918

**Project:** Highlands Residential Community

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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 11/22/15  
Canister E4224 **Ambient Air**  
Sampling Location Highlands Residential

**Total NMOC, ppbC** 13200 100-700 ppbC

<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
ethylene	1.4	0.7-4.1
acetylene	0.3	
propane	N.D.	0.4-5.0
propylene	<0.1	0.2-0.7
isobutane	36	0.2-0.9
n-butane	39	0.3-1.7
1-butene	0.4	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	N.D.	
isopentane	12	
1-pentene	N.D.	
n-pentane	8.1	0.1-0.6
isoprene	<0.1	
trans-2-pentene	N.D.	
cis-2-pentene	N.D.	
2,2-dimethylbutane	0.3	
cyclopentane	0.7	
2,3-dimethylbutane	0.5	
2-methylpentane	2.3	
3-methylpentane	1.3	
1-hexene	N.D.	<0.1-0.1
n-hexane	2.5	0.1-0.2
methylcyclopentane	2.2	
2,4-dimethylpentane	0.1	
benzene	1.3	0.1-0.5
cyclohexane	2.3	
2-methylhexane	0.5	
2,3-dimethylpentane	0.2	
3-methylhexane	0.6	
2,2,4-trimethylpentane	0.6	

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

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Flame Ionization Detection (FID)

Sample Date 11/22/15  
Canister E4224 **Ambient Air**  
Sampling Location Highlands Residential

**Total NMOC, ppbC** 13200 100-700 ppbC

<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
n-heptane	1.1	0.1-0.2
methylcyclohexane	3.1	
2,3,4-trimethylpentane	<0.1	
toluene	1.8	0.1-0.6
2-methylheptane	0.3	
3-methylheptane	0.2	
n-octane	0.5	<0.1-0.3
ethylbenzene	0.2	0.1-0.2
m+p-xylenes	1.1	0.1-0.2
styrene	<0.1	<0.1-0.2
o-xylene	0.2	0.1-0.2
n-nonane	0.3	<0.1-0.1
isopropylbenzene	<0.1	
n-propylbenzene	N.D.	
m-ethyltoluene	0.2	
p-ethyltoluene	<0.1	
1,3,5-trimethylbenzene	<0.1	
o-ethyltoluene	N.D.	
1,2,4-trimethylbenzene	0.2	
n-decane	0.2	<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

X DISTRICT INFOR  
INVOICE SOURCE  
LABORATORY N

SAMPLE ANALYSIS REQUEST

TO: SCAQMD LAB:  OTHER:

SOURCE NAME: SO CAL GAS COMPANY (ALISO CANYON) I.D. No. 800128

Source Address: 12801 TAMPA AVENUE City: NORTHRIDGE

Mailing Address: 12801 TAMPA AVENUE City: NORTHRIDGE Zip: 91326

Contact Person: JILL TRACY Title: DIR OF ENVIRONMENTAL SERVICES Tel: (619) 929-1764

Analysis Requested by: LAURANCE B. ISRAEL Date: NOVEMBER 25, 2015

Approved by: Melissa Hernandez Office: AIR TOXICS BR Budget #: 50375

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

Suspected Violation  Rule(s) 402 Other CalifH & S 41700

Sample Collected by: LAURANCE B. ISRAEL Date: NOV 22, 2015 Time: 2048 hrs.

Specify the description and location where the sample was collected:

SUMMA CANISTER #E4224 - collected at 2048 hrs, on residential street in front of 19410 Kilfinen, Porter Ranch (Highlands Residential Community).

Analysis Requested: GCMS/odors

Relinquished by	Received by	Firm/Agency	Date	Time
<i>Laurance B. Israel</i>	<i>[Signature]</i>	SCAAMD	11/25/2015	1345
<i>[Signature]</i>	<i>[Signature]</i>	SCAAMD Lab	11/25/2015	1645

Remarks: Please expedite and send laboratory analysis results to Cher Snyder, Assistant Deputy Executive Officer, Compliance.