

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

MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS

TO: Cher Snyder
Assistant DEO
Engineering and Compliance

LABORATORY NO: 1536509

REFERENCE NO: GC7-2-98

SAMPLE DESCRIPTION:
Canister 54038

DATE SAMPLED: 12/29/15

DATE RECEIVED: 12/31/15

SAMPLE LOCATION:
Highlands Community
Pool Parking Lot

DATE ANALYZED: 01/09/15

ANALYZED BY: Daniel Iha

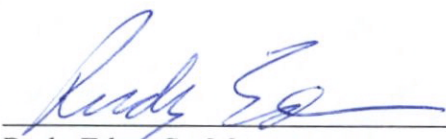
REQUESTED BY: Sumner Wilson

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: 1/14/16

Approved By: 

Rudy Eden, Sr. Manager
Laboratory Services Branch
(909) 396-2391

LAB NO: 1536509

Location: Highlands Pool

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Sample Date	12/29/15	
Canister	54038	Ambient Air
Sampling Location	Highlands Pool	
Total NMOC, ppbC*	2100	100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
ethylene	3.0	0.7-4.1
acetylene	0.8	
propane	57	0.4-5.0
propylene	0.2	0.2-0.7
isobutane	6.6	0.2-0.9
n-butane	7.3	0.3-1.7
1-butene	<0.1	0.1-0.3
trans-2-butene	<0.1	
cis-2-butene	N.D.	
isopentane	3.8	
1-pentene	N.D.	
n-pentane	8.0	0.1-0.6
isoprene	N.D.	
trans-2-pentene	N.D.	
cis-2-pentene	N.D.	
2,2-dimethylbutane	<0.1	
cyclopentane	0.2	
2,3-dimethylbutane	0.1	
2-methylpentane	0.5	
3-methylpentane	0.3	
1-hexene	N.D.	<0.1-0.1
n-hexane	0.5	0.1-0.2
methylcyclopentane	0.5	
2,4-dimethylpentane	<0.1	
benzene	0.3	0.1-0.5
cyclohexane	0.4	
2-methylhexane	0.1	
2,3-dimethylpentane	<0.1	
3-methylhexane	0.3	
2,2,4-trimethylpentane	0.2	

LAB NO: 1536509

Location: Highlands Pool

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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Sample Date	12/29/15	
Canister	54038	Ambient Air
Sampling Location	Highlands Pool	
Total NMOC, ppbC*	2100	100-700 ppbC

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
n-heptane	0.2	0.1-0.2
methylcyclohexane	0.5	
2,3,4-trimethylpentane	<0.1	
toluene	1.0	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	0.2	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	<0.1	
m-ethyltoluene	<0.1	
p-ethyltoluene	<0.1	
1,3,5-trimethylbenzene	<0.1	
o-ethyltoluene	<0.1	
1,2,4-trimethylbenzene	<0.1	
n-decane	<0.1	<0.1-0.1
1,2,3-trimethylbenzene	<0.1	
m-diethylbenzene	N.D.	
p-diethylbenzene	<0.1	
n-undecane	<0.1	<0.1
n-dodecane	N.D.	<0.1

NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

* NMOC consists mostly of ethane.

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
SAMPLE ANALYSIS REQUEST**

DISTRICT
 INVOICE
 LAP AUD
 LABORATORY

WO #: 1536509



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: 12/31/15
 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: Mike Koch Date: 12/31/15 Time: 14:30

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End vac
Highlands Community	54038	12-29-15/19:30/5 min	-30	0

Relinquished by	Received by	Firm/Agency	Date	Time
Mike Koch	<i>[Signature]</i>	SCAQMD Lab	12/31/15	2:00

Remarks: Samples collected by passive sampling via the XonTech 912 triggered by the Thermo 55i NMHC.
 Trigger is set to 20ppm
 Highlands community pool parking lot