

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: 1606132

REFERENCE NO: GC6-3-77

SAMPLE DESCRIPTION:
24 hour Sample
Canister: 54646

DATE SAMPLED: 03/01/16

DATE RECEIVED: 03/01/16

DATE ANALYZED: 03/03/16

SAMPLE LOCATION:
Highlands Community
Pool Parking Lot

ANALYZED BY: Yang Song


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)

- Notes:
1. See attached for speciated results.
 2. This is the B sample of a duplicate sample set.
The A sample was submitted for TCA analysis.

Date Approved: 3/8/16

Approved By: 

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

LAB NO: 1606132

Location: Highlands Community

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

Sample Date 03/01/16
Canister 54646
Sampling Location Highlands Community Ambient Air
Total NMOC, ppbC 88 100-700 ppbC

| <u>Compound</u> | <u>Conc. (ppbv)</u> | <u>Conc. (ppbv)</u> |
|------------------------|---------------------|---------------------|
| ethylene | 0.7 | 0.7-4.1 |
| acetylene | 0.6 | |
| propane | 1.8 | 0.4-5.0 |
| propylene | 0.2 | 0.2-0.7 |
| isobutane | 0.4 | 0.2-0.9 |
| n-butane | 0.9 | 0.3-1.7 |
| 1-butene | <0.1 | 0.1-0.3 |
| trans-2-butene | <0.1 | |
| cis-2-butene | <0.1 | |
| isopentane | 2.5 | |
| 1-pentene | <0.1 | |
| n-pentane | 3.1 | 0.1-0.6 |
| isoprene | 0.1 | |
| 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 | 0.1 | |
| 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 | |
| n-heptane | <0.1 | 0.1-0.2 |
| methylcyclohexane | <0.1 | |

LAB NO: 1606132

Location: Highlands Community

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

| | | |
|--------------------------|----------------------------|----------------------------|
| Sample Date | 03/01/16 | |
| Canister | 54646 | |
| Sampling Location | Highlands Community | Ambient Air |
| Total NMOC, ppbC | 88 | 100-700 ppbC |
| <u>Compound</u> | <u>Conc. (ppbv)</u> | <u>Conc. (ppbv)</u> |
| 2,3,4-trimethylpentane | <0.1 | |
| toluene | 0.4 | 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 | <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 | <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**

DISTP
 INVO
 LAP /
LABOR.

WO #: 1606132



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: 3/2/16

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: 3/2/16 Time: 9:15am

REQUESTED ANALYSIS: PAMS analysis

| City/Location | Can# | Start day / time/ duration | Start vac | End vac |
|-----------------------|-------|----------------------------|-----------|---------|
| Highlands Community-A | 54727 | 3-1-16 / 00:00 / 24 hours | -30" | -7" |
| Highlands Community-B | 54646 | 3-1-16 / 00:00 / 24 hours | -30" | -10" |
| | | | | |
| | | | | |
| | | | | |

| Relinquished by | Received by | Firm/Agency | Date | Time |
|-----------------|-------------|-------------|--------|-------|
| <i>Zhouqian</i> | <i>JL</i> | SCAQMD Lab | 3/1/16 | 12:10 |
| | | | | |
| | | | | |

Remarks: 1:3 scheduled samples from trailer

Highlands community pool parking lot. Address: 12378 High Glen Way, Northridge CA 91326 (across from 12377)

A: EPA B18715; B: EPA B18716