

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

**MONITORING & ANALYSIS  
REPORT OF LABORATORY ANALYSIS**

|   |   |
|---|---|
| <b>TO:</b> Jason Low, Ph.D.<br>Atmospheric Measurements Manager<br>Science and Technology Advancement | <b>LABORATORY NO:</b> <u>1612732</u>      |
|   | <b>REFERENCE NO:</b> <u>GC6-3-93</u>      |
| <b>SAMPLE DESCRIPTION:</b><br>24 hour Sample<br>Canister # 54113                                      | <b>DATE SAMPLED:</b> <u>05/06/16</u>      |
|   | <b>DATE RECEIVED:</b> <u>05/07/16</u>     |
|   | <b>DATE ANALYZED:</b> <u>05/08/16</u>     |
| <b>SAMPLE LOCATION:</b><br>Reseda Station<br>18328 Gault St.<br>Los Angeles, CA 91335                 | <b>ANALYZED BY:</b> <u>Yang Song</u>      |
|   | <b>REQUESTED BY:</b> <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: 5/11/16 Approved By:   
Solomon Teffera, Acting Sr. Manager  
Laboratory Services Branch  
(909) 396-2199

**LAB NO: 1612732**  
**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              | 05/06/16                   |                            |
| Canister                 | 54113                      |                            |
| <b>Sampling Location</b> | <b>Reseda Station</b>      | <b>Ambient Air</b>         |
| <b>Total NMOC, ppbC</b>  | 80                         | 100-700 ppbC               |
| <b><u>Compound</u></b>   | <b><u>Conc. (ppbv)</u></b> | <b><u>Conc. (ppbv)</u></b> |
| ethylene                 | 1.0                        | 0.7-4.1                    |
| acetylene                | 0.6                        |                            |
| propane                  | 1.4                        | 0.4-5.0                    |
| propylene                | 0.3                        | 0.2-0.7                    |
| isobutane                | 0.3                        | 0.2-0.9                    |
| n-butane                 | 0.5                        | 0.3-1.7                    |
| 1-butene                 | <0.1                       | 0.1-0.3                    |
| trans-2-butene           | <0.1                       |                            |
| cis-2-butene             | <0.1                       |                            |
| isopentane               | 2.3                        |                            |
| 1-pentene                | <0.1                       |                            |
| n-pentane                | 0.2                        | 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: 1612732**  
**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              | 05/06/16                   |                            |
| Canister                 | 54113                      |                            |
| <b>Sampling Location</b> | <b>Reseda Station</b>      | <b>Ambient Air</b>         |
| <b>Total NMOC, ppbC</b>  | 80                         | 100-700 ppbC               |
| <b><u>Compound</u></b>   | <b><u>Conc. (ppbv)</u></b> | <b><u>Conc. (ppbv)</u></b> |
| 2,3,4-trimethylpentane   | <0.1                       |                            |
| toluene                  | 0.4                        | 0.1-0.6                    |
| 2-methylheptane          | <0.1                       |                            |
| 3-methylheptane          | <0.1                       |                            |
| n-octane                 | 0.2                        | <0.1-0.3                   |
| ethylbenzene             | <0.1                       | 0.1-0.2                    |
| m+p-xylenes              | 0.3                        | 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**

E  
 H  
 I  
LAB

WO #: 1612732



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: 5/7/16  
 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: 5/7/16 Time: 10:40pm

**REQUESTED ANALYSIS: PAMS analysis**

| City/Location  | Can#  | Start day / time/ duration | Start vac | End Press |
|----------------|-------|----------------------------|-----------|-----------|
| Reseda Station | 54113 | 5/6/16 / 00:00 / 24 hours  | <-30"     | +10.5     |
|                |       |                            |           |           |
|                |       |                            |           |           |
|                |       |                            |           |           |
|                |       |                            |           |           |

| Relinquished by  | Received by        | Firm/Agency | Date   | Time  |
|------------------|--------------------|-------------|--------|-------|
| <i>zhangqian</i> | <i>Chen J. Dui</i> | SCAQMD Lab  | 5/7/16 | 12:27 |
|                  |                    |             |        |       |
|                  |                    |             |        |       |

Remarks: 1:3 scheduled samples from station at Reseda  
 Reseda Station - 18328 Gault St, Los Angeles, CA 91335  
 GPS (34.199225, -118.532743)