

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

**MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS**

TO: Jason Low, Ph.D.
Atmospheric Measurements Manager
Science and Technology Advancement

LABORATORY NO: 1617617

REFERENCE NO: GC6-121-101

SAMPLE DESCRIPTION:
24 hour Sample
Canister # 53393

DATE SAMPLED: 06/23/16

DATE RECEIVED: 06/24/16

DATE ANALYZED: 06/24/16

SAMPLE LOCATION:
Porter Ranch Community School

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)

Note: See attached for speciated results.

Date Approved: 6/29/16

Approved By: 
Solomon Teffera, Acting Sr. Manager
Laboratory Services Branch
(909) 396-2199

LAB NO: 1617617

Location: Porter Ranch Community School

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

| | | |
|--------------------------|--------------------------------------|----------------------------|
| Sample Date | 06/23/16 | |
| Canister | 53393 | |
| Sampling Location | Porter Ranch Community School | Ambient Air |
| Total NMOC, ppbC | 90 | 100-700 ppbC |
| <u>Compound</u> | <u>Conc. (ppbv)</u> | <u>Conc. (ppbv)</u> |
| ethylene | 1.3 | 0.7-4.1 |
| acetylene | 1.2 | |
| propane | 2.8 | 0.4-5.0 |
| propylene | 0.3 | 0.2-0.7 |
| isobutane | 0.6 | 0.2-0.9 |
| n-butane | 0.8 | 0.3-1.7 |
| 1-butene | <0.1 | 0.1-0.3 |
| trans-2-butene | <0.1 | |
| cis-2-butene | <0.1 | |
| isopentane | 2.8 | |
| 1-pentene | <0.1 | |
| n-pentane | 0.4 | 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 | 0.3 | |
| 3-methylpentane | 0.2 | |
| 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 | 0.2 | 0.1-0.5 |
| cyclohexane | <0.1 | |
| 2-methylhexane | <0.1 | |
| 2,3-dimethylpentane | 0.1 | |
| 3-methylhexane | <0.1 | |
| 2,2,4-trimethylpentane | 0.2 | |
| n-heptane | <0.1 | 0.1-0.2 |
| methylcyclohexane | <0.1 | |

LAB NO: 1617617

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| Sample Date | 06/23/16 | |
| Canister | 53393 | |
| Sampling Location | Porter Ranch Community School | Ambient Air |
| Total NMOC, ppbC | 90 | 100-700 ppbC |
| <u>Compound</u> | <u>Conc. (ppbv)</u> | <u>Conc. (ppbv)</u> |
| 2,3,4-trimethylpentane | <0.1 | |
| toluene | 0.5 | 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 | <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 INFORMATION
 INVOICE SOURCE
 LAP AUDIT
 LABORATORY 1617617

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: 6/24/16

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: 6/24/16 Time: 11:45am

REQUESTED ANALYSIS: PAMS analysis

| City/Location | Can# | Start day / time/ duration | Start vac | End Press |
|---|-------|----------------------------|-----------|-----------|
| Porter Ranch Community Elementary School (PRCS) | 53393 | 6/23/16 / 00:00 / 24 hours | <-30" | +13 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| Relinquished by | Received by | Firm/Agency | Date | Time |
|------------------|------------------------|-------------|---------|-------|
| <i>Zhongjian</i> | <i>Alan McLaughlin</i> | SCAQMD Lab | 6/24/16 | 14:56 |
| | | | | |
| | | | | |

Remarks: 1:3 scheduled samples from trailer at PRCS
 Porter Ranch Community School Elementary – 12450 Mason Ave, Porter Ranch, CA 91326
 GPS (34.293369, -118.580505)
 Left sampler, sn 4083