

**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: 1622337

REFERENCE NO: GC6-121-107

SAMPLE DESCRIPTION:
24 hr Sample
Canister # 22479

DATE SAMPLED: 08/10/16

DATE RECEIVED: 08/11/16

DATE ANALYZED: 08/12/16

SAMPLE LOCATION:
Porter Ranch Community School

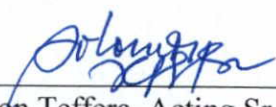
ANALYZED BY: Yang Song

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: 9/14/16

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

LAB NO: 1622337

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 08/10/16
Canister 22479
Sampling Location Porter Ranch Community School Ambient Air
Total NMOC, ppbC 64 100-700 ppbC

| <u>Compound</u> | <u>Conc. (ppbv)</u> | <u>Conc. (ppbv)</u> |
|------------------------|---------------------|---------------------|
| ethylene | 0.8 | 0.7-4.1 |
| acetylene | 0.7 | |
| propane | 1.7 | 0.4-5.0 |
| propylene | 0.1 | 0.2-0.7 |
| isobutane | 0.4 | 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 | 2.1 | |
| 1-pentene | <0.1 | |
| n-pentane | 0.3 | 0.1-0.6 |
| isoprene | <0.1 | |
| trans-2-pentene | <0.1 | |
| cis-2-pentene | N.D. | |
| 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: 1622337

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 | 08/10/16 | |
| Canister | 22479 | |
| Sampling Location | Porter Ranch Community School | Ambient Air |
| Total NMOC, ppbC | 64 | 100-700 ppbC |
| <u>Compound</u> | <u>Conc. (ppbv)</u> | <u>Conc. (ppbv)</u> |
| 2,3,4-trimethylpentane | <0.1 | |
| toluene | 0.3 | 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**

DIS
 IN
 LA
LABC

WO #: 1622337



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: 8/11/16
 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: Bo Vongphachanh Date: 8/11/16 Time: 11:40am

REQUESTED ANALYSIS: PAMS analysis

| City/Location | Can# | Start day / time/ duration | Start vac | End Press |
|---|-------|----------------------------|-----------|-----------|
| Porter Ranch Community Elementary School (PRCS) | 22479 | 8/10/16 / 00:00 / 24 hours | -26" | +21.5 |
| | | | | |
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| | | | | |
| | | | | |

| Relinquished by | Received by | Firm/Agency | Date | Time |
|-----------------|-------------|-------------|-----------|-------|
| | | SCAQMD Lab | 8/11/2016 | 12:41 |
| | | | | |

Remarks: 1:6 scheduled samples from trailer at PRCS
 Porter Ranch Community School Elementary – 12450 Mason Ave, Porter Ranch, CA 91326
 GPS (34.293369, -118.580505)
 Right Sampler, sn 3900