

**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: 1607012

REFERENCE NO: GC6-121-79

SAMPLE DESCRIPTION:
24 hour Sample
Canister: 54683

DATE SAMPLED: 03/10/16

DATE RECEIVED: 03/11/16

DATE ANALYZED: 03/11/16

SAMPLE LOCATION:
Porter Ranch
Elementary School

ANALYZED BY: Brian Sinajon

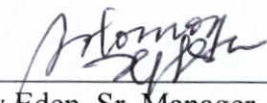
REQUESTED BY: Sumner Wilson

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

Volatile Organic Compounds (VOC) by Gas Chromatography (GC)
and Flame Ionization Detection (FID)

- Note: 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: 3/17/2016

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

Lab Number: 1607012
Location: Porter Ranch

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

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

| | | |
|--------------------------|---------------------------|--------------------|
| Sample Date | 03/10/16 | |
| Canister | 54683 | |
| Sampling Location | Porter Ranch Elem. | Ambient Air |
| Total NMOC, ppbC | 58 | 100-700 |

| <u>Compound</u> | <u>Conc. (ppbv)</u> | <u>Conc. (ppbv)</u> |
|------------------------|----------------------------|----------------------------|
| ethylene | 0.6 | 0.7-4.1 |
| acetylene | 0.6 | ---- |
| propane | 1.8 | 0.4-5 |
| propylene | 0.1 | 0.2-0.7 |
| isobutane | 0.4 | 0.2-0.9 |
| n-butane | 0.7 | 0.3-1.7 |
| 1-butene | <0.1 | 0.1-0.3 |
| trans-2-butene | <0.1 | ---- |
| cis-2-butene | <0.1 | ---- |
| isopentane | 1.4 | ---- |
| 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 |

Lab Number: 1607012
Location: Porter Ranch

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|--------------------------|----------------------------|----------------------------|
| Sample Date | 03/10/16 | |
| Canister | 54683 | |
| Sampling Location | Porter Ranch Elem. | Ambient Air |
| Total NMOC, ppbC | 58 | 100-700 |
| <u>Compound</u> | <u>Conc. (ppbv)</u> | <u>Conc. (ppbv)</u> |
| methylcyclohexane | <0.1 | ---- |
| 2,3,4-trimethylpentane | <0.1 | ---- |
| toluene | 0.2 | 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 | <0.10 |
| n-dodecane | <0.1 | <0.10 |

N.D. = Not Detected

NMOC = Non-Methane Organic Compounds

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

I
 J
 K
L.A.

WO #: 1607012



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: 3/11/16

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: Qian Zhou Date: 3/11/16 Time: 8:45am

REQUESTED ANALYSIS: PAMS analysis

| City/Location | Can# | Start day / time/ duration | Start vac | End Press |
|---|-------|----------------------------|-----------|-----------|
| Porter Ranch Community Elementary School (PRCS)-A | 54057 | 3/10/16 / 00:00 / 24 hours | <-30" | +9.5 |
| Porter Ranch Community Elementary School (PRCS)-B | 54683 | 3/10/16 / 00:00 / 24 hours | <-30" | +8 |
| | | | | |
| | | | | |
| | | | | |

| Relinquished by | Received by | Firm/Agency | Date | Time |
|-----------------|--------------------|-------------|---------|-------|
| <i>Shawice</i> | <i>[Signature]</i> | SCAQMD Lab | 3/11/16 | 11:33 |
| | | | | |
| | | | | |

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)
A: AQMD 0015735; B: AQMD 0015769

TCA
VOC