

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar CA 91765-1482

MONITORING & ANALYSIS  
REPORT OF LABORATORY ANALYSIS

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TO Jason Low  
Atmospheric Measurements Manager  
Science and Technology Advancement

LABORATORY NO 1621737

DATE RECEIVED 08/05/2016

SAMPLE DESCRIBED AS  
24 hour sample  
Canister 54046

FACILITY ID NO NA

REQUESTED BY Sumner Wilson

SAMPLING LOCATION  
Castlebay Elementary School;

ST NO / PROJECT NA


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**Carbon monoxide (CO), methane (CH<sub>4</sub>), carbon dioxide (CO<sub>2</sub>), ethane (C<sub>2</sub>H<sub>6</sub>), and non-methane non-ethane organic carbon (NM/NEOC) in ppmvC by SCAQMD Method 25.1 (TCA FID).**

|                       |              |
|-----------------------|--------------|
| Type                  | Canister     |
| Number                | <u>54046</u> |
| Pressure (Torr)       | 760          |
| CO, ppm               | 4            |
| CH <sub>4</sub> , ppm | 2            |
| CO <sub>2</sub> , ppm | 418          |
| Ethane, ppmvC         | < 1          |
| NM/NEOC, ppmvC        | 4            |

Date Approved: 8/11/16

Approved By:   
Solomon Teffera, Acting Senior Manager  
Laboratory Services  
909-396-2199

*Allen 8/11/16*

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**  
**21865 Copley Drive, Diamond Bar CA 91765-1482**

**MONITORING & ANALYSIS**  
**QUALITY CONTROL SUMMARY**

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|                                  |                      |                      |
|----------------------------------|----------------------|----------------------|
| <b>SAMPLE DESCRIBED AS</b>       | <b>LABORATORY NO</b> | <u>1621737</u>       |
| 24 hour sample<br>Canister 54046 | <b>REQUESTED BY</b>  | <u>Sumner Wilson</u> |

**Carbon monoxide (CO), methane (CH<sub>4</sub>), carbon dioxide (CO<sub>2</sub>), ethane (C<sub>2</sub>H<sub>6</sub>), and non-methane non-ethane organic carbon (NM/NEOC) in ppmvC by SCAQMD Method 25.1 (TCA FID).**

**QUALITY CONTROL -- End of run control recovery**

|                                       |     | Theoretical | Measured | Percent Difference | QC Limit<br>±5% or ± 1 |
|---------------------------------------|-----|-------------|----------|--------------------|------------------------|
| CC106783                              | MDL |             |          |                    |                        |
| CO, ppmvC                             | 0.4 | 1.92        | 2.20     | 14.44              | PASS                   |
| CH <sub>4</sub> , ppmvC               | 0.3 | 2.02        | 1.95     | -3.56              | PASS                   |
| CO <sub>2</sub> , ppmvC               | 0.4 | 1.57        | 9.12     | 481.10             | FAIL                   |
| C <sub>2</sub> H <sub>4</sub> , ppmvC | 0.4 | NA          | NA       | NA                 | NA                     |
| C <sub>2</sub> H <sub>6</sub> , ppmvC | 0.4 | 2.03        | 1.77     | -13.03             | PASS                   |
| NM/NEOC, ppmvC                        | 0.5 | 2.03        | 1.88     | -7.12              | PASS                   |

|                                       |     | Theoretical | Measured | Percent Difference | QC Limit<br>±5% or ± 1 |
|---------------------------------------|-----|-------------|----------|--------------------|------------------------|
| CC12628                               | MDL |             |          |                    |                        |
| CO, ppmvC                             | 0.4 | 1036        | 1043     | 0.72               | PASS                   |
| CH <sub>4</sub> , ppmvC               | 0.3 | 1068        | 1041     | -2.56              | PASS                   |
| CO <sub>2</sub> , ppmvC               | 0.4 | 1022        | 1023     | 0.05               | PASS                   |
| C <sub>2</sub> H <sub>4</sub> , ppmvC | 0.4 | NA          | NA       | NA                 | NA                     |
| C <sub>2</sub> H <sub>6</sub> , ppmvC | 0.4 | 1044        | 1025     | -1.85              | PASS                   |
| NM/NEOC, ppmvC                        | 0.5 | 1024        | 1002     | -2.14              | PASS                   |

|                      |                        |
|----------------------|------------------------|
| <b>DATE ANALYZED</b> | 08/05/2016             |
| <b>REFERENCE NO:</b> | 16QM2AD<br>QM2-101-119 |

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

WO #: 1621737

DIST  
 INVC  
 LAP  
LABOR



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: 8/5/16

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: 8/5/16 Time: 12:00pm

REQUESTED ANALYSIS: PAMS analysis

| City/Location                 | Can#  | Start day / time/ duration | Start vac | End Press |
|-------------------------------|-------|----------------------------|-----------|-----------|
| Porter Ranch / Castlebay Elem | 54046 | 8/4/16 / 00:00 / 24 hours  | -30"      | +13       |
|                               |       |                            |           |           |
|                               |       |                            |           |           |
|                               |       |                            |           |           |
|                               |       |                            |           |           |

| Relinquished by  | Received by        | Firm/Agency | Date     | Time  |
|------------------|--------------------|-------------|----------|-------|
| <i>zhongqian</i> | <i>[Signature]</i> | SCAQMD Lab  | 8/5/2016 | 15:25 |
|                  |                    |             |          |       |
|                  |                    |             |          |       |

Remarks: 1:6 scheduled samples from trailer at Castlebay  
Castlebay Lane Charter School – 19010 Castlebay Ln, Porter Ranch, CA  
Left sampler, sn 3419