

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	Cher Snyder, Assistant DEO Engineering & Compliance	LABORATORY NO	<u>1607010</u>
		DATE RECEIVED	<u>03/11/2016</u>
SAMPLE DESCRIBED AS	24 hour sample Canister # 54535	FACILITY ID NO	<u>NA</u>
		REQUESTED BY	<u>Sumner Wilson</u>
SAMPLING LOCATION	Castlebay Elementary School Porter Ranch, CA 91326	ST NO / PROJECT	<u>NA</u>

Carbon monoxide (CO), methane (CH₄), carbon dioxide (CO₂), ethane (C₂H₆), and non-methane non-ethane organic carbon (NM/NEOC) in ppmvC by SCAQMD Method 25.1 (TCA FID).

Type	Canister
Number	<u>54535</u>
Pressure (Torr)	740
CO, ppm	< 3
CH ₄ , ppm	2
CO ₂ , ppm	402
Ethane, ppmvC	NR
NM/NEOC, ppmvC	NR

NR: Not reported. Results may be biased low. Methane data not affected.

Date Approved: 3/24/16

Approved By: _____

Rudy Eden, Senior Manager
Laboratory Services
909-396-2391

Handwritten: JW 3-23-16

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MONITORING & ANALYSIS
QUALITY CONTROL SUMMARY

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SAMPLE DESCRIBED AS	LABORATORY NO	<u>1607010</u>
24 hour sample Canister # 54535	REQUESTED BY	<u>Sumner Wilson</u>

Carbon monoxide (CO), methane (CH₄), carbon dioxide (CO₂), ethane (C₂H₆), 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 ±5% or ± 1
CC135067	MDL				
CO, ppmvC	0.3	10100	9534	-5.60	FAIL
CH ₄ , ppmvC	0.3	9950	10082	1.33	PASS
CO ₂ , ppmvC	0.4	10100	9572	-5.23	FAIL
C ₂ H ₄ , ppmvC	0.4	NA	NA	NA	NA
C ₂ H ₆ , ppmvC	0.2	9940	9261	-6.83	FAIL
NM/NEOC, ppmvC	0.2	10000	NA	NA	FAIL

		Theoretical	Measured	Percent Difference	QC Limit ±5% or ± 1
CC91340	MDL				
CO, ppmvC	0.3	10.40	9.72	-6.58	PASS
CH ₄ , ppmvC	0.3	10.17	10.39	2.15	PASS
CO ₂ , ppmvC	0.4	10.38	10.43	0.51	PASS
C ₂ H ₄ , ppmvC	0.4	NA	NA	NA	NA
C ₂ H ₆ , ppmvC	0.2	11.00	7.99	-27.38	FAIL
NM/NEOC, ppmvC	0.2	10.64	NA	NA	FAIL

QC Comment: Instrument passed pre-run quality control check, but marginally failed post-run for several compounds, not including methane. Problem was traced to an oven which does not affect methane results.

DATE ANALYZED 03/11/2016
REFERENCE NO: 16QM2AA
 QM2-101-87

WO #: 1607010

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

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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: 9:00am

REQUESTED ANALYSIS: PAMS analysis

City/Location	Can#	Start day / time/ duration	Start vac	End Press
Porter Ranch / Castlebay Elem-A	54535	3/10/16 / 00:00 / 24 hours	-30"	+11
Porter Ranch / Castlebay Elem-B	54629	3/10/16 / 00:00 / 24 hours	-30"	>+15

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

Remarks: 1:3 scheduled samples from trailer at Castlebay
Castlebay Lane Charter School – 19010 Castlebay Ln, Porter Ranch, CA
A: AQMD 0013772; B: AQMD 0016503

Note - Gauge pagged out on can 54629