

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 1621608 - 02

DATE RECEIVED 08/03/2016

SAMPLE DESCRIBED AS
Grab sample
Canister 54560

FACILITY ID NO NA

REQUESTED BY Sumner Wilson

SAMPLING LOCATION
Firmin Drill Site
318 Firmin Street
Los Angeles 90026

ST NO / PROJECT NA

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>54560</u>
Pressure (Torr)	760
CO, ppm	< 3
CH ₄ , ppm	3
CO ₂ , ppm	432
Ethane, ppmvC	< 1
NM/NEOC, ppmvC	< 1

Date Approved: 08/26/16

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

24
8-15-16

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

MONITORING & ANALYSIS
QUALITY CONTROL SUMMARY

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SAMPLE DESCRIBED AS	LABORATORY NO	<u>1621608</u>
24 hour sample Canister 54560	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
CC106783	MDL				
CO, ppmvC	0.4	1.92	2.13	10.66	PASS
CH ₄ , ppmvC	0.3	2.02	1.96	-3.01	PASS
CO ₂ , ppmvC	0.4	1.57	2.35	49.76	PASS
C ₂ H ₄ , ppmvC	0.4	NA	NA	NA	NA
C ₂ H ₆ , ppmvC	0.4	2.03	1.83	-9.82	PASS
NM/NEOC, ppmvC	0.5	2.03	2.12	4.71	PASS

		Theoretical	Measured	Percent Difference	QC Limit ±5% or ± 1
CC12628	MDL				
CO, ppmvC	0.4	1036	1064	2.71	PASS
CH ₄ , ppmvC	0.3	1068	1061	-0.67	PASS
CO ₂ , ppmvC	0.4	1022	1044	2.17	PASS
C ₂ H ₄ , ppmvC	0.4	NA	NA	NA	NA
C ₂ H ₆ , ppmvC	0.4	1044	1044	-0.02	PASS
NM/NEOC, ppmvC	0.5	1024	1018	-0.58	PASS

DATE ANALYZED	08/04/2016
REFERENCE NO:	16QM2AD
	QM2-101-118

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

DISTRICT
 INVOICE S
 LAP AUDI
 LABORATO

1621608



TO: SCAQMD LAB: OTHER:

SOURCE NAME: Firmin Drill site I.D. No. _____

Source Address: 323 Firmin Street City: Loa Angeles

Mailing Address: _____ City: _____ Zip: 90026

Contact Person: _____ Title: _____ Tel: _____

Analysis Requested by: Sumner Wilson Date: 08/3/2016

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: Robert Wimmer Date: 08/3/2016 Time: 07:36, 08:01

REQUESTED ANALYSIS: VOC - PAMS

City/Location	Can#	Start day / duration	Start vac	End vac
313 Firmin St (street level) 34.063844, -118.254611	54633	08-3-16 7:36 3 min	-30"	-1
*318 Firmin St(backyard of residence) 34.063750, -118.254247	54560	08-3-16 8:01 3 min	-30"	-1

Relinquished by	Received by	Firm/Agency	Date	Time
R Wimmer		SCAQMD Lab	8/3/2016	14:13

Remarks: Requested samples representing background levels. No drilling or diesel activity during sampling.
 *Can # 54560 taken at request of resident at 317 Firmin St due to slight petrol odor in area. However, no obvious source was visible during sampling.