

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

**MONITORING & ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

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<b>TO</b> Jason Low Atmospheric Measurements Manager Science and Technology Advancement	<b>LABORATORY NO</b>	<u>1620110</u>
<b>SAMPLE DESCRIBED AS</b> Grab Sample Canister 53392	<b>DATE RECEIVED</b>	<u>07/19/2016</u>
<b>SAMPLING LOCATION</b> Firmin Drill site 323 Firmin Street Los Angeles 90026	<b>FACILITY ID NO</b>	<u>NA</u>
	<b>REQUESTED BY</b>	<u>Sumner Wilson</u>
	<b>ST NO / PROJECT</b>	<u>NA</u>

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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>53392</u>
Pressure (Torr)	760
CO, ppm	6
CH <sub>4</sub> , ppm	2
CO <sub>2</sub> , ppm	419
Ethane, ppmvC	< 1
NM/NEOC, ppmvC	< 1

Date Approved: 08/19/16

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

*102*  
*8-19-16*

**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>1620110</u>
Grab Sample Canister 54534	<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**

	MDL	Theoretical	Measured	Percent Difference	QC Limit	±5% or ± 1
CC106783	0.4	1.92	1.87	-2.69	PASS	
CO, ppmvC	0.3	2.02	1.87	-7.82	PASS	
CH <sub>4</sub> , ppmvC	0.4	1.57	2.31	47.51	PASS	
CO <sub>2</sub> , ppmvC	0.4	NA	NA	NA	NA	
C <sub>2</sub> H <sub>4</sub> , ppmvC	0.4	2.03	1.89	-6.74	PASS	
C <sub>2</sub> H <sub>6</sub> , ppmvC	0.5	2.03	1.97	-2.92	PASS	
NM/NEOC, ppmvC						

	MDL	Theoretical	Measured	Percent Difference	QC Limit
CC12628	0.4	1036	1059	2.23	PASS
CO, ppmvC	0.3	1068	1056	-1.15	PASS
CH <sub>4</sub> , ppmvC	0.4	1022	1039	1.71	PASS
CO <sub>2</sub> , ppmvC	0.4	NA	NA	NA	NA
C <sub>2</sub> H <sub>4</sub> , ppmvC	0.4	1044	1041	-0.26	PASS
C <sub>2</sub> H <sub>6</sub> , ppmvC	0.5	1024	1019	-0.42	PASS
NM/NEOC, ppmvC					

<b>DATE ANALYZED</b>	07/19/2016
<b>REFERENCE NO:</b>	16QM2AD
	QM2-101-116

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

DISTRICT  
 INVOICE  
 LAP AU



LABORATORY NO 1010012

TO: SCAQMD LAB:  OTHER:  \_\_\_\_\_  
SOURCE NAME: Firmin Drill site I.D. No. \_\_\_\_\_  
Source Address: 323 Firmin Street City: Los Angeles  
Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: 90026  
Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_ Tel: \_\_\_\_\_

Analysis Requested by: Sumner Wilson Date: 07/19/2016

Approved by: Jason Low Office: \_\_\_\_\_ Budget #: 44716

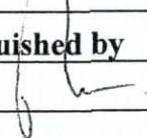
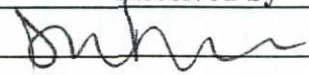
REASON REQUESTED: Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill

Suspected Violation Rule(s) \_\_\_\_\_ Other  \_\_\_\_\_

Sample Collected by: Robert Wimmer Date: 07/15/2016 Time: 08:01, 16:30

**REQUESTED ANALYSIS: VOC - PAMS**

City/Location	Can#	Start day / duration	Start vac	End vac
<del>Los Angeles/Firmin St Drill Site (near bore hole)</del>	<del>54534</del>	<del>07-15-16 8:01 3 min</del>	<del>-30"</del>	<del>0</del>
Los Angeles/Firmin St Drill Site (near extracted earth)	53392	07-15-16 16:30 3 min	-30"	-9" -02

Relinquished by	Received by	Firm/Agency	Date	Time
R Wimmer 		SCAQMD Lab	7-19-16	1030

Remarks: