

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

**MONITORING & ANALYSIS  
REPORT OF LABORATORY ANALYSIS**

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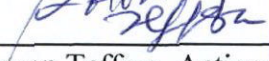
<b>TO</b>	Jason Low Atmospheric Measurements Manager Science and Technology Advancement	<b>LABORATORY NO</b>	<u>1616627</u>
<b>SAMPLE DESCRIBED AS</b>	Maywood Fire Canister 54766, E0301, 54322, E5734	<b>DATE RECEIVED</b>	<u>06/14/2016</u>
<b>SAMPLING LOCATION</b>	Emergency Response Various Maywood, CA 90270	<b>FACILITY ID NO</b>	<u>NA</u>
		<b>REQUESTED BY</b>	<u>Jason Low</u>
		<b>ST NO / PROJECT</b>	<u>NA</u>

**Hydrocarbon speciation, excluding aromatic compounds, by cryo GC FID  
(normalized to NM/NEOC)**

Type	Canister	Canister	Canister	Canister
Number	<u>54766</u>	<u>E0301</u>	<u>54322</u>	<u>E5734</u>
Pressure (Torr)	760	760	760	760
C <sub>3</sub> , ppmv	0.2	< 0.1	< 0.1	< 0.1
C <sub>4</sub> , ppmv	0.1	< 0.1	< 0.1	< 0.1
C <sub>5</sub> , ppmv	< 0.1	< 0.1	< 0.1	< 0.1
C <sub>6</sub> , ppmv	< 0.1	< 0.1	< 0.1	< 0.1
C <sub>7</sub> , ppmv	0.3	< 0.1	< 0.1	< 0.1
C <sub>8</sub> , ppmv	0.1	< 0.1	< 0.1	< 0.1
C <sub>9</sub> -C <sub>12</sub> , ppmv	0.4	< 0.1	< 0.1	< 0.1

Note: The reported values include BTEX (benzene, toluene, ethylbenzene and xylenes).

Date Approved: 6/16/16

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

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<b>SAMPLE DESCRIBED AS</b>	<b>LABORATORY NO</b>	<u>1616627</u>
Maywood Fire Canister 54766, E0301, 54322, E5734	<b>REQUESTED BY</b>	<u>Jason Low</u>

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**Benzene, Toluene, Ethylbenzene, and Xylenes, by cryo GC FID**  
**(normalized to NM/NEOC)**

Type	Canister	Canister	Canister	Canister
Number	<u>54766</u>	<u>E0301</u>	<u>54322</u>	<u>E5734</u>
Pressure (Torr)	760	760	760	760
Benzene, ppmv	0.2	< 0.1	< 0.1	< 0.1
Toluene, ppmv	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene, ppmv	< 0.1	< 0.1	< 0.1	< 0.1
m+p-Xylenes, ppmv	< 0.1	< 0.1	< 0.1	< 0.1
o-Xylene, ppmv	< 0.1	< 0.1	< 0.1	< 0.1



**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**  
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**MONITORING & ANALYSIS**  
**QUALITY CONTROL SUMMARY**

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<b>SAMPLE DESCRIBED AS</b>	<b>LABORATORY NO</b>	<u>1616627</u>
Maywood Fire Canister 54766, E0301, 54322, E5734	<b>REQUESTED BY</b>	<u>Jason Low</u>

**Hydrocarbon speciation and benzene, toluene and xylenes by cryo GC FID,  
normalized to NM/NEOC.**

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

CA02738	MDL	Theoretical	Measured	Percent Difference	QC Limit ±7.5%
Methane, ppmv	0.5	NA	NA	NA	NA
Ethylene, ppmv	0.2	516	514	-0.36	PASS
Ethane, ppmv	0.2	NA	NA	NA	NA
Propane, ppmv	0.1	364	360	-1.18	PASS
Isobutane, ppmv	0.1	281.5	276	-2.02	PASS
n-Butane, ppmv	0.1	267.2	267	-0.20	PASS
Isopentane, ppmv	0.1	194.1	194	0.10	PASS
n-Pentane, ppmv	0.1	200	197	-1.71	PASS
Hexane, ppmv	0.1	199.3	195	-2.14	PASS
Heptane, ppmv	0.1	112.5	111	-1.24	PASS
Octane, ppmv	0.1	26.9	26.2	-2.65	PASS

*Note: QC limit for heptane and octane is 15%*

CLM007749		Theoretical	Measured	Percent Difference	QC Limit ±7.5%
Benzene, ppmv	0.2	31.7	32	2.21	PASS
Toluene, ppmv	0.0	10	9.9	-1.50	PASS
Ethylbenzene, ppmv	0.1	10	9.7	-3.26	PASS
m+p-Xylene, ppmv	0.1	10	9.7	-3.11	PASS
o-Xylene, ppmv	0.1	10	9.7	-3.04	PASS

**DATE ANALYZED** 6/15/2016  
**REFERENCE NO:** 16FI4AB  
FI4-62-129

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

DISTRICT INFORMATION  
 INVOICE SOURCE  
 LABORATORY NO. **1616627**

TO: : OTHER:  \_\_\_\_\_  
 SOURCE NAME: Maywood Fire I.D. No. \_\_\_\_\_  
 Source Address: \_\_\_\_\_ City: Maywood  
 Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: 90270  
 Contact Person: Solomon Teffera Title: Acting Senior Manager Tel: 909-396-2180

Analysis Requested by: Jason Low Date: 6/14/16  
 Approved by: Jason Low Office: Emergency Response Budget #: \_\_\_\_\_  
 REASON REQUESTED: Court/Hearing Board  Permit Pending  Hazardous/Toxic Spill   
 Suspected Violation Rule(s) \_\_\_\_\_ Other  Emergency Response \_\_\_\_\_

Sample Collected by: Various, see sample description Date: 6/14/16 Time: See sample description

Sample Description:

Container	#	Collection Date/ Time	Collected By	Comments
-01 SUMMA Canister	54766	6/14/16 8:45am	Terry Wilkinson	Plume in front of 3570 Fruitland Ave, Maywood
-02 SUMMA Canister	E0301	6/14/16 10:25am	Larry Israel	3550 52 <sup>nd</sup> St, Maywood
-03 SUMMA Canister	54322	6/14/16 9:42 am	Robert Wimmer	1000 ft NNW of event
-04 SUMMA Canister	E5734	6/14/16 11:35am	Robert Wimmer	60 ft east of event
-05 Glass Plate	PM 149	6/14/16 10:40am	Robert Wimmer	Emergency vehicle 200 ft east of event
-06 Glass Plate	PM 149 Box	6/14/16 10:40am	Robert Wimmer	Emergency vehicle 200 ft east of event
-07 Glass Plate	PM 148	6/14/16 9:40am to 16:48	Robert Wimmer	Approximately 1000 ft NNW of event. Plate was exposed during event
-08 Glass Plate	PM 148 Box	6/14/16 9:40am to 16:48	Robert Wimmer	Approximately 1000 ft NNW of event. Plate was exposed during event
-09 Glass Plate	PM 150	6/14/16 10:55am to 17:20	Larry Israel	3555 52 <sup>nd</sup> St, Maywood. Cinder block fence adj to driveway on west side of residence

Analysis Requested: SUMMA Canisters For TGNMNEOC, Toxics, and TO-15  
 Glass Plate For Metals

-01, -02  
-03, 04, 05  
-07, 08  
09

Relinquished by	Received by	Firm/Agency	Date	Time
Frank B. [Signature]	[Signature]	LAB	6/14/16	3:43 PM
[Signature]	[Signature]	LAB	6/14/16	3:43 PM
[Signature]	[Signature]	SUMMA LAB	6/14/16	6:55 PM

Remarks: Please send report to: Jason Low x. 2269

SUMMA Canister E5734 is invalid. The valve was open and the brass cap was loose.

Glass Plate PM 150 is invalid. Insufficient sample on glass plate.



AQMD

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Dr., Diamond Bar, CA 91765-4182

Monitoring & Analysis

Chain-of-Custody Record for Sampling Equipment

Type: Glass Plates - Metals (Aerosol)

Identification Number: PM148, PM149, PM150, PM151, PM152

Requested by (print name): Sumner Wilson

Relinquished by	Received by	Firm/Agency	Date	Time
Sally	Sumner Wilson	SCAQMD	4-20-16	0900
He Beddha PM151 PM152	Kelly Vans	CARB	6/15/16	6:30 PM (151 & 152)
He Beddha PM148 PM149 PM150	Jessie	Lab	6/14/16	6:55 pm