



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

MONITORING AND ANALYSIS
REPORT OF LABORATORY ANALYSIS
(Page 1 of 2)

TO: Jason Low, Ph.D.
Atmospheric Measurements Manager
Science & Technology Advancement

LABORATORY NO. 1616627-05 & 07

SAMPLES DESCRIBED AS:

Two Glass Deposition Plates
1616627-05 = Plate 149
1616627-07 = Plate 148

REFERENCE NO.: PE ICPMS-2, 52
AEM-10,117

SUBMITTED ON: 06/14/2016

REQUESTED BY: Jason Low

SAMPLE SOURCE:

Maywood Fire – Emergency Response
3570 Fruitland Ave.
Maywood, CA 90270

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

The samples were collected using Glass Deposition Plates. The sampling durations and locations are as follows.


Sample #5 (plate 149) – 06/14/16 1040, Emergency vehicle 200-ft east of event
Sample #7 (plate 148) – 06/14/16 0940 - 1648, Approximately, 1000-ft NNW of event

Analysis of Metal by Inductively Coupled Plasma - Mass Spectrometry

Deposited material was carefully removed by scraping with a plastic spatula, weighed and digested in a microwave oven using nitric acid. Analysis for metals was performed in accordance with SCAQMD Method #0096, (*Standard Operating Procedure for the Analysis of Metals in Filters by Inductively Coupled Plasma - Mass Spectrometer*).

Results: See page 2 for results.

Date Approved: 6/17/16

Approved By: 
Solomon Teffera, Acting Sr. Manager
Laboratory Services

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Metal	Conc. Unit	Plate 149 (Sample #5)	Plate 148 (Sample #7)
Antimony	µg/g	743	88.2
Arsenic	µg/g	120	14.3
Barium	µg/g	5,420	6,020
Cadmium	µg/g	6.79	7.8
Chromium	µg/g	43.8	83.2
Cobalt	µg/g	14.9	9.2
Copper	µg/g	18,750	4,190
Lead	µg/g	318	273
Magnesium	µg/g	447,000	405,500
Manganese	µg/g	604	1,170
Nickel	µg/g	76.4	135
Selenium	µg/g	79.3	15.3
Silver	µg/g	40.3	32.6
Tin	µg/g	651	1,680
Titanium	µg/g	5,420	6,020

**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:

-01
-02
-03
-04
-05
-06
-07
-08
-09

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

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

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

Relinquished by	Received by	Firm/Agency	Date	Time
Thomas B. Dean	[Signature]	LAB	6/14/16	3:43 pm
[Signature]	[Signature]	LAB	6/14/16	3:43 pm
[Signature]	J. Senechal	SEAMCO 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.



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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): Summer Wilson

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