



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. 1619015-04 to 06

SAMPLES DESCRIBED AS:
Three 47mm Teflon (PTFE) filters

REFERENCE NO.: XRF2-4-96

SUBMITTED ON: 07/19/2016

SAMPLE SOURCE:
Maywood Fire – Post Clean-up
3570 Fruitland Ave.
Maywood, CA 90270

REQUESTED BY: Jason Low

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

The samples were collected using PTFE filters for Metals on TSP samplers over a 24-hour period. The sampling date and locations are as follows:

Sample #1 (1619015-04) – 07/17/2016, 3567 E 52nd St

Sample #2 (1619015-05) – 07/17/2016, Vernon Fire Station #1

Sample #3 (1619015-06) – 07/17/2016, Fishburn Elementary

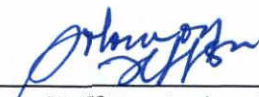
Metals Analysis by EDXRF:

The submitted PTFE filter samples were analyzed using the PANalytical PW 5000 Epsilon 5[®] Energy Dispersive XRF (ED-XRF) Spectrometer. Analysis for metals was performed in accordance with SCAQMD Method #00004, (*Standard Operating Procedure for the Analysis of PM_{2.5} Filter Samples by Energy Dispersive X-Ray Fluorescence Spectrometry*).

Results: See page 2 for results.

Date Approved: 8/2/16

Approved By: _____


Solomon Teffera, Acting Sr. Manager
Laboratory Services

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
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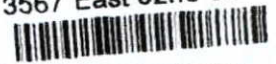
MONITORING AND ANALYSIS
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 (Page 2 of 2)

Analyte	Conc.	1619015-04 3567 East 52nd St (Sample #1)	1619015-05 Vernon Fire Station #1 (Sample #2)	1619015-06 Fishburn Elementary (Sample #3)	Acute REL
Aluminum	ng/m ³	412	402	454	(a)
Antimony	ng/m ³	ND	ND	ND	(a)
Arsenic	ng/m ³	ND	ND	ND	200
Barium	ng/m ³	ND	ND	46	(a)
Bromine	ng/m ³	7	8	7	(a)
Cadmium	ng/m ³	ND	ND	ND	(a)
Calcium	ng/m ³	462	485	576	(a)
Chlorine	ng/m ³	739	782	711	210,000
Chromium	ng/m ³	ND	3	ND	(a)
Cobalt	ng/m ³	ND	ND	ND	(a)
Copper	ng/m ³	15	13	16	100,000
Iron	ng/m ³	541	577	667	(a)
Lead	ng/m ³	ND	ND	ND	(a)
Magnesium	ng/m ³	271	257	290	(a)
Manganese	ng/m ³	12	13	12	(a)
Molybdenum	ng/m ³	ND	ND	ND	(a)
Nickel	ng/m ³	ND	ND	ND	200
Phosphorus	ng/m ³	66	66	72	(a)
Potassium	ng/m ³	221	224	260	(a)
Selenium	ng/m ³	ND	ND	ND	(a)
Sulfur	ng/m ³	1330	1320	1310	(a)
Tin	ng/m ³	ND	ND	ND	(a)
Titanium	ng/m ³	54	54	71	(a)
Vanadium	ng/m ³	ND	ND	ND	30,000
Zinc	ng/m ³	27	25	28	(a)

(a) No acute REL available

1619015-04 A | 07/17/2016

AQMD Emergency Response
Maywood Fire
3567 East 52nd St



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

- DISTRICT INFORMATION
- INVOICE SOURCE
- LAP AUDIT

LABORATORY NO 1619015-04

TO: SCAQMD LAB: OTHER:

SOURCE NAME: _____ I.D. No. _____

Source Address: _____ City: _____

Mailing Address: _____ City: _____ Zip: _____

Contact Person: _____ Title: _____ Tel: _____

Analysis Requested by: _____ Date: _____

Approved by: _____ Office: _____ Budget #: _____

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

Suspected Violation Rule(s) _____ Other

Sample Collected by: S Boddeker Date: 7-19-16 Time: 12:05 pst

SAMPLE DESCRIPTION: Maywood ER Fire site
Teflon Post-Clean-up
3567 E 52nd St
immediately adjacent (south) of fire
SN T4675921

Flow (lpm) | Volume (m³)

(Volume size)	16.70	16.2403 ✓
Actual	16.70	16.70
Std	16.62	23.93

Flow: 755 nm³/h
Temp: 24.3°C
Run date: 07-17-16 ✓
00:00 to 2400

REQUESTED ANALYSIS:

Relinquished by	Received by	Firm/Agency	Date	Time
<u>S Boddeker</u>	<u>J Juarez</u>	<u>SCAQMD Lab</u>	<u>7-19-16</u>	<u>1626</u>

Remarks:

AQMD Emergency Response
 Maywood Fire
 Vernon Fire Station #1



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

- DISTRICT INFORMATION
- INVOICE SOURCE
- LAP AUDIT

LABORATORY NO 1619015-05

TO: SCAQMD LAB: OTHER:

SOURCE NAME: _____ I.D. No. _____

Source Address: _____ City: _____

Mailing Address: _____ City: _____ Zip: _____

Contact Person: _____ Title: _____ Tel: _____

Analysis Requested by: _____ Date: _____

Approved by: _____ Office: _____ Budget #: _____

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

Suspected Violation Rule(s) _____ Other

Sample Collected by: S Boddiker Date: 7-19-16 Time: 12:30 pst

SAMPLE DESCRIPTION: Maywood ER Fire Site: Vernon Fire Station #1

Teflon Post-Clean-up

SN: T4675922

	Flow (lpm)	Volume (m ³)
Actual (Volumetric)	16.66	23.99 ✓
Standard	16.70	24.05

Run date 07-17-16

P_{ave} 753 mmHg T_{ave} 21.8°C 0000 to 2400

REQUESTED ANALYSIS:

Relinquished by	Received by	Firm/Agency	Date	Time
<u>S Boddiker</u>	<u>J Saucedo</u>	<u>SCAQMD Lab</u>	<u>7-19-16</u>	<u>11624</u>

Remarks:

AQMD Emergency Response
 Maywood Fire
 Fishburn Elementary



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

- DISTRICT INFORMATION
- INVOICE SOURCE
- LAP AUDIT

LABORATORY NO 1619015-06

TO: SCAQMD LAB: OTHER:

SOURCE NAME: _____ I.D. No. _____

Source Address: _____ City: _____

Mailing Address: _____ City: _____ Zip: _____

Contact Person: _____ Title: _____ Tel: _____

Analysis Requested by: _____ Date: _____

Approved by: _____ Office: _____ Budget #: _____

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

Suspected Violation Rule(s) _____ Other

Sample Collected by: S Boddeker Date: 7-19-16 Time: 13:00 pst

SAMPLE DESCRIPTION: Maywood ER Fire Site
Teflon Post-Clean-up Fishburn Elementary
 Sn T4675923 ✓

	Flow (lpm)	Volume (m ³)	
Actual (Volumetric)	16.66	23.99 ✓	Pan 754 mmHg
Standard	16.68	24.02	Tave 22.4°C

Run date 07-17-16 ✓
 00:00 to 24:00
 Load @ 7-15-16 @ 12:20pst

REQUESTED ANALYSIS:

Relinquished by	Received by	Firm/Agency	Date	Time
<u>[Signature]</u>	<u>[Signature]</u>	SCAQMD Lab	7-19-16	1626

Remarks: