

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

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

Page 1 of 4

<b>TO:</b> Jason Low, Ph.D. Atmospheric Measurements Manager Science and Technology Advancement	<b>LABORATORY NO:</b> <u>1616812</u>
	<b>REFERENCE NO:</b> <u>MSF-9-75</u>
<b>SAMPLE DESCRIPTION:</b> Grab Samples Canister #s 54709 54119	<b>DATE SAMPLED:</b> <u>06/16/16</u>
	<b>DATE RECEIVED:</b> <u>06/16/16</u>
	<b>DATE ANALYZED:</b> <u>06/23/16</u>
<b>SAMPLE LOCATION:</b> Maywood Fire	<b>ANALYZED BY:</b> <u>Brian Sinajon</u>
	<b>REQUESTED BY:</b> <u>Sumner Wilson</u>

---

**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

Qualitative Analysis and Quantitation of Toxic Organics by Gas Chromatography(GC) -  
Mass Spectrometry(MS) and Flame Ionization Detection(FID)

Note: See attached for speciated results.

Date Approved: 6/24/16

Approved By: 

Solomon Teffera, Acting Sr. Manager  
Laboratory Services Branch  
(909) 396-2199

**LAB NO:1616812**

**Location: Maywood Fire**

Page 2 of 4

**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

Qualitative Analysis and Quantitation of Toxic Organics by Gas Chromatography(GC) -  
Mass Spectrometry(MS) and Flame Ionization Detection(FID)

Sample Date	6/16/2016	6/16/2016
Canister	<b>54709</b>	<b>54119</b>
Sampling time	0700	0700
<b>Total NMOC, ppbC</b>	<b>857</b>	<b>764</b>

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc. (ppbv)</u>
acetylene+ethylene	54	43
propylene	11	8.9
Freon-12	0.6	0.58
chloromethane	1.1	1.1
vinyl chloride	N.D.	N.D.
Freon-114	N.D.	N.D.
1,3-butadiene	2.2	1.6
bromomethane	N.D.	N.D.
chloroethane	N.D.	N.D.
ethanol	4.3	5.8
2-propenal	0.76	N.D.
acetone	7.9	8.9
Freon-11	0.31	0.31
isopropylalcohol	N.D.	N.D.
1,1-dichloroethylene	N.D.	N.D.
methylene chloride	0.18	0.20
carbon disulfide	N.D.	N.D.
Freon-113	1.7	0.06
1,1-dichloroethane	N.D.	N.D.
methyl tert butyl ether	N.D.	N.D.
vinyl acetate	N.D.	N.D.
2-Butanone MEK	0.59	0.59
cis-1,2-dichloroethylene	N.D.	N.D.
n-hexane	0.36	0.34
ethylacetate	0.19	0.18
chloroform	N.D.	N.D.
tetrahydrofuran	0.56	N.D.

**LAB NO:1616812**

**Location: Maywood Fire**

Page 3 of 4

---

---

**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

Qualitative Analysis and Quantitation of Toxic Organics by Gas Chromatography(GC) -  
Mass Spectrometry(MS) and Flame Ionization Detection(FID)

Sample Date	6/16/2016	6/16/2016
Tedlar Bag	10/13/2049	3/2/2048
Sampling time	0700	0700
<b>Total NMOC, ppbc</b>	<b>857</b>	<b>764</b>

<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
1,2-dichloroethane	N.D.	N.D.
1,1,1-trichloroethane	N.D.	N.D.
benzene	7.5	5.5
carbon tetrachloride	0.10	0.10
cyclohexane	0.14	0.12
1,2-dichloropropane	N.D.	N.D.
bromodichloromethane	N.D.	N.D.
trichloroethylene	N.D.	N.D.
1,4-dioxane	N.D.	N.D.
methyl methacrylate	1.3	1.1
n-heptane	0.29	0.29
cis-1,3-dichloropropene	N.D.	N.D.
methyl isobutyl ketone	N.D.	N.D.
trans-1,3-dichloropropene	N.D.	N.D.
1,1,2-trichloroethane	N.D.	N.D.
toluene	4.1	3.2
2-Hexanone MBK	N.D.	N.D.
dibromochloromethane	N.D.	N.D.
1,2-dibromoethane	N.D.	N.D.
tetrachloroethylene	N.D.	N.D.
chlorobenzene	0.11	0.08
ethylbenzene	1.9	1.5
m+p-xylene	0.88	0.69
bromoform	N.D.	N.D.
styrene	11	9.3
1,1,2,2-tetrachloroethane	N.D.	N.D.
o-xylene	0.37	0.34
p-ethyltoluene	N.D.	N.D.

**LAB NO:1616812**

**Location: Maywood Fire**

Page 4 of 4

---

---

**ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS**

Qualitative Analysis and Quantitation of Toxic Organics by Gas Chromatography(GC) -  
Mass Spectrometry(MS) and Flame Ionization Detection(FID)

Sample Date	6/16/2016	6/16/2016
Canister	10/13/2049	3/2/2048
Sampling time	0700	0700
<b>Total NMOC, ppbC</b>	<b>857</b>	<b>764</b>

<b><u>Compound</u></b>	<b><u>Conc. (ppbv)</u></b>	<b><u>Conc. (ppbv)</u></b>
1,3,5-trimethylbenzene	0.14	0.08
1,2,4-trimethylbenzene	0.33	N.D.
benzylchloride	N.D.	N.D.
1,3-dichlorobenzene	N.D.	N.D.
1,4-dichlorobenzene	N.D.	N.D.
1,2-dichlorobenzene	N.D.	N.D.
1,2,4-trichlorobenzene	N.D.	0.12
naphthalene	0.99	1.0
hexachloro-1,3-butadiene	0.15	N.D.

NMOC = Non-Methane Organic Compounds

N.D. = Not Detected

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

DISTRICT INFORMATION

INVOICE SOURCE

LAP AUDIT

LABORATORY NO 1616812

TO: SCAQMD LAB:  OTHER:

SOURCE NAME: Maywood Fire I.D. No. \_\_\_\_\_

Source Address: 3570 Fruitland Ave City: Maywood

Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_ Tel: \_\_\_\_\_

Analysis Requested by: Sumner Wilson Date: 06/16/2016

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: Bo Vongphachanh / SB Date: 06/16/2016 Time: 0720-0730 pdt

**REQUESTED ANALYSIS: TO-15**

City/Location	Can#	Start day / duration	Start vac	End vac
Maywood	54709	06-16-16 3 min	-30"	-4"
Maywood	54119	06-16-16 3 min	-30"	-4"

Relinquished by	Received by	Firm/Agency	Date	Time
S Boddeker <i>[Signature]</i>	Lindsay McElwain <i>[Signature]</i>	SCAQMD Lab	06/16/16	1120

Remarks: summa cans collect following flare before arrival on site at 0700 pdt (0600 pst)

Both summa cans collected with 10 ft of each other  
@(33.996480, -118.200625)