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

# MONITORING & ANALYSIS REPORT OF LABORATORY ANALYSIS

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TO:	Jason Low, Ph.D.	LABORATORY NO:	1616763
	Atmospheric Measurements Manager		
	Science and Technology Advancement	REFERENCE NO:	MSF-9-75
SAM	PLE DESCRIPTION:	DATE SAMPLED:	06/15/16
	Grab Sample		
	Canister # E0622	DATE RECEIVED:	06/15/16
		DATE ANALYZED:	06/23/16
SAM	PLE LOCATION:	VI	
	Maywood Fire	ANALYZED BY:	Brian Sinajon
		REQUESTED BY:	Larry Israel

## 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:1616763

#### **Location: Maywood Fire**

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# 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	6/15/2016
Canister	E0622
Sampling time	12:15 pm

# Total NMOC, ppbC 24700

Compound	Conc. (ppbv)
acetylene+ethylene	446*
propylene	149
Freon-12	0.49
chloromethane	26
vinyl chloride	2.3
Freon-114	N.D.
1,3-butadiene	34
bromomethane	0.55
chloroethane	2.9
ethanol	1.7
2-propenal	7.8
acetone	8.4
Freon-11	0.28
isopropylalcohol	0.35
1,1-dichloroethylene	0.15
methylene chloride	2.0
carbon disulfide	N.D.
Freon-113	0.09
1,1-dichloroethane	N.D.
methyl tert butyl ether	N.D.
vinyl acetate	N.D.
2-Butanone MEK	6.4
cis-1,2-dichloroethylene	N.D.
n-hexane	16
ethylacetate	N.D.
chloroform	2.8
tetrahydrofuran	19

# LAB NO:1616763

## **Location: Maywood Fire**

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#### 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	6/15/2016
Tedlar Bag	E0622
Sampling time	12:15 pm

Total NMOC, ppbc 24700

- o tim : 11120 0, pp. 0	21,700
Compound	Conc. (ppbv)
1,2-dichloroethane	1.3
1,1,1-trichloroethane	N.D.
benzene	413
carbon tetrachloride	0.73
cyclohexane	1.0
1,2-dichloropropane	0.6
bromodichloromethane	N.D.
trichloroethylene	0.2
1,4-dioxane	N.D.
methyl methacrylate	3.2
n-heptane	13
cis-1,3-dichloropropene	0.1
methyl isobutyl ketone	N.D.
trans-1,3-dichloropropene	N.D.
1,1,2-trichloroethane	N.D.
toluene	60
2-Hexanone MBK	N.D.
dibromochloromethane	N.D.
1,2-dibromoethane	N.D.
tetrachloroethylene	1.2
chlorobenzene	9.3
ethylbenzene	15
m+p-xylene	7.3
bromoform	N.D.
styrene	16
1,1,2,2-tetrachloroethane	2.1
o-xylene	19
p-ethyltoluene	3.7

#### LAB NO:1616763

#### Location: Maywood Fire

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# 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	6/15/2016
Canister	E0622
Sampling time	12:15 pm

Total NMOC, ppbC 24700

Compound	Conc. (ppbv)
1,3,5-trimethylbenzene	1.7
1,2,4-trimethylbenzene	3.8
benzylchloride	0.58
1,3-dichlorobenzene	N.D.
1,4-dichlorobenzene	0.3
1,2-dichlorobenzene	1.2
1,2,4-trichlorobenzene	2.9
naphthalene	13
hexachloro-1,3-butadiene	N.D.

NMOC = Non-Methane Organic Compounds N.D. = Not Detected

<sup>\* =</sup> Exceeded calibration curve

# SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT SAMPLE ANALYSIS REQUEST

	DISTRIC
	INVOICE
	INVOICE LAP AUI
LA	BORAT



Mailing Address:  Contact Person:  Title:  Tel:  Analysis Requested by:  Approved by:  Date:  Approved by:  REASON REQUESTED:  Suspected Violation  Rule(s)  Sample Collected by:  Larry Israe   Date: 6/15/16 Time: 12:15  SAMPLE DESCRIPTION:  May wood Fire E)  Transcribed by SBoddaker Summa Can  See oftachment for details  LA Co Fine dept collected Sample  Relinguished by Received by Firm/Agency Date Time  Larry Israel  Relinguished by Received by Firm/Agency Date Time  Larry Israel  Analysis Requested by:  The Title:  Tel:  Tale:  The County Hearing Board  Permit Pending  Hazardous/Toxic Spill  Hazardous/Toxic Spill  Hazardous/Toxic Spill  Hazardous/Toxic Spill  Time: 12:15  Sample Collected by:  Larry Israel  Sample Collected Sample  Relinguished by Received by Firm/Agency Date Time  Larry Israel  Sample Collected by:  Transcribed Fire (North of fire)  Relinguished by Received by Firm/Agency Date Time  Larry Israel  Larry Israel  Sample Collected by:  Title:  Tel:  Tel:  Tel:  Tel:  Tel:  Tel:  Tel:  Tel:  Tel:  Hazardous/Toxic Spill  Hazardous/Toxic Spill  Time: 12:15  Time: 12:1	Source Address: 3570 truitland Ave City: //laywood 9027  Mailing Address: City: Zip:
Mailing Address:    City:   Zip:   Zi	Mailing Address: S570 truitlend Ave City: Maywood 9027
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)  Sample Collected by: Larry Forge Date: 6/15/16 Time: 12:15  SAMPLE DESCRIPTION: Maywood Fire E)  Transcribed by SBoddaker Summa Can  See office dept collected Sample  Reliance of gray Smoke  15' from fire (North of fire)  REQUESTED ANALYSIS:  Relinquished by Received by Firm/Agency Date Time  Larry Israel Hazardous/Toxic Spill Date:	Mailing Address: City: Zip:
Analysis Requested by:  Approved by:  Approved by:  Budget #:  Approved by:  REASON REQUESTED:  Suspected Violation  Rule(s)  Sample Collected by:  Larry Israe Date:  Other  Transcribed by SBoddoker  Summa Can  See office Budget #:  Hazardous/Toxic Spill Date:  Maywood Fire E)  Transcribed by SBoddoker  Summa Can  See office dept collected sample  Received by Firm/Agency Date Time  Larry Israel Allow  Received by Firm/Agency Date Time  Larry Israel Allow  Received by Firm/Agency Date Time  Larry Israel Allow  Sample Collected Budget  Permit Pending Date:  Budget #:  Hazardous/Toxic Spill Date  Hazardous/Toxic Spill Date  Budget #:  Hazardous/Toxic Spill Date  Hazardous/Toxic Spill Date  Budget #:  Hazardous/Toxic Spill Date  Hazardous/Toxic Spill D	
Approved by:  REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill Suspected Violation Rule(s)  Sample Collected by: Larry Israel Date: 6/15/16 Time: 12:15  SAMPLE DESCRIPTION:  Transcribed by SBoddoker Summa Can See attachment for details  LA Co Fine dept collected Sample  @ 12:15 pat from plume of gray smoke  15' from fire (North of fire)  REQUESTED ANALYSIS:  Relinquished by Received by Firm/Agency Date Time  Larry Israel Stables Spectamorporates (15/16/15:17)	
REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill Suspected Violation Rule(s)  Sample Collected by: Larry Israe Date: 6/15/16 Time: 12:15  SAMPLE DESCRIPTION: May wood Fire E)  Transcribed by SBoddoker Summa Can Stee attachment for details E 0622  LA Co Fine dept collected Sample  @ 12:15 pdt from plume of gray Smoke 15' from fire (North of fire)  REQUESTED ANALYSIS:  Relinquished by Received by Firm/Agency Date Time Larry Israel Stablish Specification (15:17)	Analysis Requested by: Date:
Suspected Violation Rule(s)  Sample Collected by: Larry Israe   Date: 6/15/16 Time: 12:15  SAMPLE DESCRIPTION:  May wood Fire E)  Transcribed by SBoddoker Summa Can See oftachment for details  LA Co Fine dept collected sample  @ 12:15 pdt from plume of gray smoke 15' from fire (North of fire)  REQUESTED ANALYSIS:  Relinquished by Received by Firm/Agency Date Time Larry Israel Substant Specifications 6/15/16 15:17	Approved by: Office: Budget #:
Transcribed by SBoddeker Summa Can See oftenhment for details E0622  LA Co Fine dept collected sample  @ 12:15 pdt from plume of gray smoke 15' from fire (North of fire)  Requested analysis:  Relinquished by Received by Firm/Agency Date Time Larry Israel Ste Boddek Spec Monitoring 6/15/16 15:17	1947 H. M. J. Martin, 1948 M.
Transcribed by SBoddaker Summa Can See oftenhment for details E0622  LA Co Fine dept collected sample  Q 12:15 pdt from plume of gray smoke 15' from fire (North of fire)  REQUESTED ANALYSIS:  Relinquished by Received by Firm/Agency Date Time Larry Israel Star Boddak Spec Monitorina 6/15/16 15:17	Sample Collected by: Larry Israel Date: 6/15/16 Time: 12:15
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LA Co Fine dept collected Sample  @ 12:15 pdt from plume of gray smoke  15' from fire (North of fire)  REQUESTED ANALYSIS:  Relinquished by Received by Firm/Agency Date Time  Larry Iscael Stu Bollow Spec Monitoring 6/15/16 15:17	Transcribed by SBoddaker Summa Con
REQUESTED ANALYSIS:  Relinquished by Received by Firm/Agency Date Time  Larry Iscael Sto Boddow Spec Monitoring 6/15/16 15:17	See attachment for details E0622
REQUESTED ANALYSIS:  Relinquished by Received by Firm/Agency Date Time  Larry Iscael Sto Boldho Spec Monitoring 6/15/16 15:17	@ 12:15 pat from plume of gray smoke
Relinquished by Received by Firm/Agency Date Time Larry Iscael Ste Boddow Spec Monitoring 6/15/16 15:17	15 from the (North of the)
Larry Israel Ster Boddon Spec Monitoring 6/15/16 15:17	REQUESTED ANALYSIS:
	Relinquished by Received by Firm/Agency Date Time
Harboller Shart CAO 6/15/16 18:43	Larry Israel Ste Bollow Spec Monitoring 6/15/16 15:17
	Harboller Sharout CAG 6/15/16 18:43
Remarks:	Remarks:

Summa Conustes # E0622

Collected at 1215 pm 6/15/16

by LACO Fire Depty Firemen Vicente Casas

from plume of groy smoke 15' from

Street inside fire domoged structure

at 3570 Fruitland Ave, May wood

Relinguished to Inspector Lawrence B. Israel at 1230 pm Lawrence B. Impel

1517 ms. reliquimmed to Steve Boddeker