



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

**MONITORING AND ANALYSIS  
REPORT OF LABORATORY ANALYSIS**

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**To:** Sumner Wilson  
Monitoring Operations Manager  
Science & Technology Advancement

**Laboratory No.** 2115203-01  
**Requested By** Sumner Wilson

**Rule No.** NA

**Sampling Location**

Eastwood Elementary  
99 Meander  
Irvine, CA 92620

**ST No.** NA

**Report Created** 06/09/2021

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

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)  
Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively  
Identified**

**See attached results and sample information.**

**Reviewed By:** \_\_\_\_\_ **For** \_\_\_\_\_  
Stephen Dutz  
Principal A.Q. Chemist  
Laboratory Services

**Date Reviewed:** \_\_\_\_\_

**Approved By:** \_\_\_\_\_  
Aaron Katzenstein, Ph.D.  
Senior Manager  
Laboratory Services  
(909) 396-2219

**Date Approved:** \_\_\_\_\_





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**Laboratory No.** 2115203-01 - continued  
**Sample Description** 24 Hour, SILCO Canister E4224, AA Asphalt Irvine: Eastwood Elementary School  
**Sample Date 05/28/2021** **Received Date 06/01/2021** **Analyzed Date 06/01/2021**

**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)**

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
cis-1,3-Dichloropropene, ppbv	ND	0.03	0.1	
Cyclohexane, ppbv	J (0.01)	0.01	0.03	0.1
Dibromochloromethane, ppbv	ND	0.03	0.08	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.4	0.03	0.09	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	J (0.02)	0.02	0.06	<0.1
Ethanol, ppbv	1.2 (LJ)	0.3	0.9	7.3
Ethyl Acetate, ppbv	ND (QX)	0.08	0.2	<0.1
Ethylbenzene, ppbv	J (0.02)	0.02	0.07	0.2
Ethylene oxide, ppbv	0.06 (LJ)	0.02	0.06	
Hexachloro-1,3-butadiene, ppbv	ND (QX)	0.07	0.2	
Isopropanol, ppbv	ND (QX)	0.3	0.9	
m+p-Xylene, ppbv	ND	0.04	0.1	0.6
Methyl Isobutyl Ketone (MIBK), ppbv	ND	0.06	0.2	
Methyl Methacrylate, ppbv	ND	0.05	0.2	
Methyl tert-Butyl Ether (MTBE), ppbv	ND	0.02	0.07	
Methylene Chloride, ppbv	0.1	0.02	0.07	0.2
n-Heptane, ppbv	ND	0.04	0.1	0.2
n-Hexane, ppbv	J (0.02)	0.01	0.04	0.1
o-Xylene, ppbv	ND	0.08	0.2	0.2
p-Ethyltoluene, ppbv	ND (QX)	0.02	0.06	
Propylene, ppbv	J (0.05)	0.04	0.1	0.5
Styrene, ppbv	0.07	0.02	0.06	0.1
Tetrachloroethylene, ppbv	ND	0.02	0.06	
Tetrahydrofuran, ppbv	ND	0.03	0.1	<0.1
Toluene, ppbv	J (0.05)	0.03	0.1	1.6
trans-1,2-Dichloroethylene, ppbv	ND	0.02	0.05	
trans-1,3-Dichloropropene, ppbv	ND	0.03	0.08	
Trichloroethylene, ppbv	ND	0.01	0.04	<0.2
Trichlorofluoromethane (Freon 11), ppbv	0.2	0.02	0.06	0.2
Trichlorotrifluoroethane (Freon 113), ppbv	0.06	0.01	0.04	0.1
Vinyl acetate, ppbv	J (0.08)	0.08	0.2	<0.1
Vinyl chloride, ppbv	ND	0.02	0.07	<0.1



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<b>Laboratory No.</b>	<b>2115203-01 - continued</b>	
<b>Sample Description</b>	<b>24 Hour, SILCO Canister E4224, AA Asphalt Irvine: Eastwood Elementary School</b>	
<b>Sample Date 05/28/2021</b>	<b>Received Date 06/01/2021</b>	<b>Analyzed Date 06/01/2021</b>

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**Laboratory No.** 2115203-01 - continued  
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**Sample Date 05/28/2021** **Received Date 06/01/2021** **Analyzed Date 06/02/2021**

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**Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified**

**--TENTATIVELY IDENTIFIED COMPOUNDS--**  
**CONCENTRATIONS ARE APPROXIMATED**

**Analyte, Unit**

**Result**

No TICs Found, ppbv

0.0



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**Laboratory No. 2115203-01**

**DEFINITIONS**

<b>Item</b>	<b>Definition</b>
MDL	Method Detection Limit
MRL	Method Reporting Limit
ND	Non-detect; Value is below MDL.
J	Value is between method detection and reporting limits.
LJ	Identification of Analyte is Acceptable; Reported Value is an Estimate
QX	Does not meet QC criteria.

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

- DISTRICT INFORMATION
- INVOICE SOURCE
- LAP AUDIT

LABORATORY NO 2115203

TO: SCAQMD LAB:  OTHER:

SOURCE NAME: AAA Asphalt I.D. No. \_\_\_\_\_

Source Address: 99 Meander City: Irvine

Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: 92620

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

Analysis Requested by: Sumner Wilson Date: 05/29/21

Approved by: Jason Low Office: \_\_\_\_\_ Budget #: 44716

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

Suspected Violation Rule(s) \_\_\_\_\_ Other  near source monitoring

Sample Collected by: J Caldero Date: 05/29/21 Time: 0945 pst

**REQUESTED ANALYSIS:**

Location	Can#	Start day / time / duration	Start vac	End vac
Eastwood Elementary School	E4224	05/28/21 / 00:00 / 1438 min	-30" Hg	-2"Hg

Relinquished by	Received by	Firm/Agency	Date	Time
J Caldero	shelf	SCAQMD Lab	05/29/21	1100
shelf	R. Lopez	SCAQMD lab	06/01/21	0856

Remarks:  
Sn 209 orifice 399 box#4

AAA Asphalt Irvine: Eastwood Elementary School