



**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. 2115202-01
Requested By Sumner Wilson

Rule No. NA

Sampling Location

Orchard Hills
New Point Rd./Roscomare Rd.
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. 2115202-01 - continued
Sample Description 24 Hour, SILCO Canister E3707, AA Asphalt Irvine: Orchard Hills
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 (0.02)	0.01	0.03	0.1
Dibromochloromethane, ppbv	ND	0.03	0.08	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.5	0.03	0.09	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	J (0.02)	0.02	0.06	<0.1
Ethanol, ppbv	2.2 (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	J (0.04)	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 (0.03)	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	J (0.02)	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 (0.07)	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 (0.1)	0.08	0.2	<0.1
Vinyl chloride, ppbv	ND	0.02	0.07	<0.1



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Laboratory No.	2115202-01 - continued		
Sample Description	24 Hour, SILCO Canister E3707, AA Asphalt Irvine: Orchard Hills		
Sample Date 05/28/2021	Received Date 06/01/2021		Analyzed Date 06/01/2021



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Laboratory No. 2115202-01 - continued
Sample Description 24 Hour, SILCO Canister E3707, AA Asphalt Irvine: Orchard Hills
Sample Date 05/28/2021 **Received Date 06/01/2021** **Analyzed Date 06/02/2021**

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. 2115202-01

DEFINITIONS

Item	Definition
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 2115202

TO: SCAQMD LAB: OTHER:

SOURCE NAME: AAA Asphalt I.D. No. _____

Source Address: New Point 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: 0923 pst

REQUESTED ANALYSIS:

Location	Can#	Start day / time / duration	Start vac	End vac
Orchard Hills	E3707	05/28/21 / 00:00 / 1438 min	-30" Hg	-4"Hg

Relinquished by	Received by	Firm/Agency	Date	Time
J Caldero	shelf	SCAQMD Lab	05/29/21	11:00
shelf	R. Lopez	SCAQMD Lab	06/01/21	08:51

Remarks:

SN #585 Office 274 box #3
Coordinates: 33.736748, -117.737820

AAA Asphalt Irvine: Orchard Hills