



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

**MONITORING AND ANALYSIS
REPORT OF LABORATORY ANALYSIS**

(Page 1 of 6)

To: Sumner Wilson
Monitoring Operations Manager
Science & Technology Advancement

Laboratory No. 2034324-01
Requested By Sumner Wilson

Rule No. NA

Sampling Location

Canyon View Elementary School
12025 Yale Ct
Irvine, CA

ST No. NA

Report Created 12/17/2020

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: _____

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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(Page 2 of 6)

Laboratory No. 2034324-01
Sample Description 24 Hour, SILCO Canister E3842, AA Asphalt - 12025 Yale Ct (Canyon View Elem)
Sample Comments Nutech timer #018. Bond Fires nearby started on 12/3/20. Note secondary TO-15 calibration standard was expired at time of analysis.
Sample Date 12/02/2020 **Received Date 12/08/2020** **Analyzed Date 12/09/2020**

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>
1,1,1-Trichloroethane, ppbv	ND	0.009	0.03	0.1
1,1,2,2-Tetrachloroethane, ppbv	ND	0.02	0.07	<0.1
1,1,2-Trichloroethane, ppbv	ND	0.03	0.09	<0.1
1,1-Dichloroethane, ppbv	ND	0.01	0.04	<0.1
1,1-Dichloroethylene, ppbv	ND	0.03	0.09	
1,2,4-Trichlorobenzene, ppbv	ND (QX)	0.08	0.2	<0.1
1,2,4-Trimethylbenzene, ppbv	0.08	0.02	0.05	0.1
1,2-Dibromoethane, ppbv	ND	0.02	0.08	
1,2-Dichlorobenzene, ppbv	ND (QX)	0.04	0.1	
1,2-Dichloroethane, ppbv	<i>J (0.02)</i>	0.01	0.04	
1,2-Dichloropropane, ppbv	ND	0.01	0.03	<0.1
1,3,5-Trimethylbenzene, ppbv	ND	0.03	0.1	0.1
1,3-Butadiene, ppbv	ND	0.03	0.08	<0.1
1,3-Dichlorobenzene, ppbv	ND (QX)	0.03	0.1	
1,4-Dichlorobenzene, ppbv	ND (QX)	0.04	0.1	
1,4-Dioxane, ppbv	ND (QX)	0.04	0.1	<0.1
2-Butanone (MEK), ppbv	0.5	0.06	0.2	0.3
2-Hexanone (MBK), ppbv	<i>J (0.07)</i>	0.05	0.1	
2-Propenal, ppbv	<i>J (0.1)</i>	0.05	0.2	
Acetone, ppbv	6.4 (EH)	0.3	0.9	7.7
Benzene, ppbv	0.2	0.01	0.03	0.6
Benzyl chloride, ppbv	ND (QX)	0.03	0.08	<0.1
Bromodichloromethane, ppbv	<i>J (0.02)</i>	0.01	0.04	<0.1
Bromoform, ppbv	ND (QX)	0.04	0.1	<0.1
Bromomethane, ppbv	ND	0.03	0.08	<0.1
Carbon disulfide, ppbv	ND	0.04	0.1	<0.1
Carbon Tetrachloride, ppbv	0.08	0.009	0.03	0.1
Chlorobenzene, ppbv	ND	0.02	0.05	<0.1
Chloroethane, ppbv	ND	0.02	0.06	<0.1
Chloroform, ppbv	0.1	0.008	0.02	<0.1



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(Page 3 of 6)

Laboratory No. 2034324-01 - continued
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<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
Chloromethane, ppbv	0.6	0.03	0.08	0.6
cis-1,2-Dichloroethylene, ppbv	ND	0.01	0.04	
cis-1,3-Dichloropropene, ppbv	ND	0.03	0.1	
Cyclohexane, ppbv	0.08	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	ND	0.02	0.06	<0.1
Ethanol, ppbv	20 (LJ)	0.3	0.9	7.3
Ethyl Acetate, ppbv	ND	0.08	0.2	<0.1
Ethylbenzene, ppbv	0.1 (LJ)	0.02	0.07	0.2
Ethylene oxide, ppbv	J (0.05)	0.02	0.06	
Hexachloro-1,3-butadiene, ppbv	ND (QX)	0.07	0.2	
Isopropanol, ppbv	1.6 (LJ)	0.3	0.9	
m+p-Xylene, ppbv	0.2	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	0.2	0.02	0.07	0.2
Naphthalene, ppbv	ND (QX)	0.09	0.3	
n-Heptane, ppbv	J (0.09)	0.04	0.1	0.2
n-Hexane, ppbv	0.1	0.01	0.04	0.1
o-Xylene, ppbv	ND	0.08	0.2	0.2
p-Ethyltoluene, ppbv	0.06 (LJ)	0.02	0.06	
Propylene, ppbv	0.2	0.04	0.1	0.5
Styrene, ppbv	J (0.03)	0.02	0.06	0.1
Tetrachloroethylene, ppbv	ND	0.02	0.06	
Tetrahydrofuran, ppbv	J (0.03)	0.03	0.1	<0.1
Toluene, ppbv	0.4	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	



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(Page 4 of 6)

Laboratory No. 2034324-01 - continued
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<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
Trichloroethylene, ppbv	<i>J (0.01)</i>	0.01	0.04	<0.2
Trichlorofluoromethane (Freon 11), ppbv	0.2	0.02	0.06	0.2
Trichlorotrifluoroethane (Freon 113), ppbv	0.07	0.01	0.04	0.1
Vinyl acetate, ppbv	<i>J (0.09)</i>	0.08	0.2	<0.1
Vinyl chloride, ppbv	ND	0.02	0.07	<0.1

* *J* = Value is between method detection and reporting limits.

EH = Exceeds Upper Range, *LJ* = Identification of Analyte is Acceptable; Reported Value is an Estimate, *QX* = Does not meet QC criteria.



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(Page 5 of 6)

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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**

<u>Analyte, Unit</u>	<u>Result</u>
No TICs Found, ppbv	0.0

* J = Value is between method detection and reporting limits.

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

DISTRICT INFORMATION
 INVOICE SOURCE
 LAP AUDIT
 LABORATORY NO 2034324-01

TO: SCAQMD LAB: OTHER: _____
 SOURCE NAME: AAA Asphalt I.D. No. _____
 Source Address: 12025 Yale Ct (Canyon View Elem) City: Irvine, 92620
 Mailing Address: _____ City: _____ Zip: _____
 Contact Person: _____ Title: _____ Tel: _____

Analysis Requested by: Sumner Wilson Date: 12/3/20
 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: T Mac Date: 12/3/20 Time: 1043

REQUESTED ANALYSIS:

Location	Can#	Start day / time/ duration	Start vac	End vac
12025 Yale Ct Irvine, CA 92620	E3842	12/2/20/0:01/23:58	-30	-2

Relinquished by	Received by	Firm/Agency	Date	Time
Tom Mac	<i>[Signature]</i>	SCAQMD	12/8/20	1113
	R. Lopez	SCAQMD	12/8/20	1113

Remarks: Nutec tower # 018
Bowl Fire nearby start on 12/3/20 (TM)