

### MONITORING AND ANALYSIS REPORT OF LABORATORY ANALYSIS

		1	(Page 1 of 6)		
To:		ilson g Operations Manager	Laboratory No.	2035301-01	
	Science & Technology Advancement		Requested By	Sumner Wilson	
			Rule No.	NA	
Sam	pling Locat	tion	ST No.	NA	
		_	Report Created	01/05/2021	
	Irvine, CA				
Northwood High School 4515 Portola Pkwy  Report Created 01/05/2021					
			Identified		
		See attached resu	lts and sample information	1.	
Rev	iewed By:		Date	Reviewed:	
110 (	ieweu By.	Stephen Dutz			
		Principal A.Q. Chemist			
		Laboratory Services			
Арр	roved By:		Date	Approved:	
	·	Aaron Katzenstein, Ph.D.			
		Senior Manager			

Laboratory Services (909) 396-2219



### MONITORING AND ANALYSIS REPORT OF LABORATORY ANALYSIS

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**Laboratory No.** 2035301-01

Sample Description 24 Hour, SILCO Canister 54765, AA Asphalt Irvine: Northwood High School Sample Comments Sample qualifier: W (Flow Rate Average out of Spec). Note secondary TO-15

calibration standard was expired at time of analysis.

Sample Date 12/17/2020 Received Date 12/18/2020 Analyzed Date 12/18/2020

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

Analyte, Unit	Result	<b>MDL</b>	<u>MRL</u>	<b>Ambient Avg</b>
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	0.06 (LJ)	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	J (0.02)	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	0.4	0.06	0.2	0.3
2-Hexanone (MBK), ppbv	ND	0.05	0.1	
2-Propenal, ppbv	0.2	0.05	0.2	
Acetone, ppbv	3.6	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	J (0.01)	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	0.06	0.008	0.02	< 0.1



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Laboratory No. 2035301-01 - continued

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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	0.04	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	8.0 (LJ)	0.3	0.9	7.3
Ethyl Acetate, ppbv	ND	0.08	0.2	< 0.1
Ethylbenzene, ppbv	J(0.05)	0.02	0.07	0.2
Ethylene oxide, ppbv	0.07	0.02	0.06	
Hexachloro-1,3-butadiene, ppbv	ND(QX)	0.07	0.2	
Isopropanol, ppbv	J (0.3)	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	0.1	0.02	0.07	0.2
Naphthalene, ppbv	ND (QX)	0.09	0.3	
n-Heptane, ppbv	J(0.06)	0.04	0.1	0.2
n-Hexane, ppbv	0.09	0.01	0.04	0.1
o-Xylene, ppbv	ND	0.08	0.2	0.2
p-Ethyltoluene, ppbv	J(0.03)	0.02	0.06	
Propylene, ppbv	0.1	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 (QX)	0.03	0.1	< 0.1
Toluene, ppbv	0.3	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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Laboratory No. 2035301-01 - continued

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Sample Date 12/17/2020 Received Date 12/18/2020 Analyzed Date 12/18/2020

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

Analyte, Unit	Result	<u>MDL</u>	<u>MRL</u>	Ambient Avg
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	ND	0.08	0.2	<0.1
Vinyl chloride, ppbv	ND	0.02	0.07	<0.1

<sup>\*</sup> J = Value is between method detection and reporting limits.



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Sample Date 12/17/2020 Received Date 12/18/2020 Analyzed Date 12/18/2020

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

--TENTATIVELY IDENTIFIED COMPOUNDS--CONCENTRATIONS ARE APPROXIMATED

Analyte, Unit
No TICs Found, ppbv

Result
0.0

<sup>\*</sup> J = Value is between method detection and reporting limits.

# SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT SAMPLE ANALYSIS REQUEST

X	DISTRICT INFORMATION
	INVOICE SOURCE
	LAP AUDIT

LABORATORY NO 203530

URCE NAME: AA	A Asphalt		I.D. No		
urce Address: 4515 P	ortola Pkwy		City:	Irvine	
Iailing Address:			City:	Zip:	92620
nalysis Requested by:	Sumner V	Vilson	Date:	12/18/20	)
pproved by:Ja	ison Low O	ffice:	B	Budget #:	44716
EASON REQUESTED:	Court/Hearing Board	Permi	t Pending	Hazardous/Toxio	c Spill
Suspected Violation	Rule(s)		Other nea	ar source mon	itoring
ample Collected by:	J Caldero	Date	e: 12/18/20	Time:	1140 pst
	DEOUTS		VCVC		
	REQUES	TED ANAL	YS15:		
Location	Can#	Start da	y / time / duration	n Start vac End	
Northwood High Scho	ool 54765	12/17/20	2/17/20 / 00:00 / 1440 min -30" Hg		- 9"Hg
Relinguished by	Received	by	Firm/Agency	Date	Time
Relinquished by  Jeremi Caldero	Received	by	Firm/Agency SCAQMD Lab	Date 12/18/20	Time
		by		12/18/20	