



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

**MONITORING AND ANALYSIS  
REPORT OF LABORATORY ANALYSIS**

(Page 1 of 7)

**To:** Rafael Reynosa  
Sr. Enforcement Manager  
Compliance & Enforcement

**Laboratory No.** 2128119-01  
**Requested By** Sumner Wilson  
**Rule No.** NA  
**ST No.** NA  
**Report Created** 10/12/2021

**Sampling Location**

Dominguez Channel  
Channel near Avalon Blvd & 405  
Carson, CA 90746

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**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:** \_\_\_\_\_  
Angela Haar, Ph.D.  
WOC Senior Manager  
Laboratory Services  
(909) 396-2518

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



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Laboratory No. 2128119-01  
Sample Description Grab, 6 L Stainless Steel Canister E3684  
Sample Comments Sampled over channel @ N 33 50.442 W118 15.784  
Sample Date 10/08/2021 Received Date 10/08/2021 Analyzed Date 10/08/2021

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>
1,1,1-Trichloroethane, ppbv	ND	0.01	0.04	0.1
1,1,2,2-Tetrachloroethane, ppbv	ND (QX)	0.01	0.03	<0.1
1,1,2-Trichloroethane, ppbv	ND (QX)	0.02	0.06	<0.1
1,1-Dichloroethane, ppbv	ND	0.009	0.03	<0.1
1,1-Dichloroethylene, ppbv	ND	0.02	0.06	
1,2,4-Trichlorobenzene, ppbv	ND (QX)	0.06	0.2	<0.1
1,2,4-Trimethylbenzene, ppbv	<i>J (0.04)</i>	0.02	0.06	0.1
1,2-Dibromoethane, ppbv	ND (QX)	0.01	0.04	
1,2-Dichlorobenzene, ppbv	ND (QX)	0.01	0.04	
1,2-Dichloroethane, ppbv	ND	0.01	0.03	
1,2-Dichloropropane, ppbv	ND	0.02	0.05	<0.1
1,3,5-Trimethylbenzene, ppbv	<i>J (0.02)</i>	0.01	0.04	0.1
1,3-Butadiene, ppbv	<i>J (0.03)</i>	0.03	0.08	<0.1
1,3-Dichlorobenzene, ppbv	ND (QX)	0.02	0.05	
1,4-Dichlorobenzene, ppbv	ND (QX)	0.02	0.07	
1,4-Dioxane, ppbv	ND (QX)	0.01	0.04	<0.1
2-Butanone (MEK), ppbv	ND	0.2	0.6	0.3
2-Hexanone (MBK), ppbv	ND (QX)	0.09	0.3	
2-Propenal, ppbv	ND	0.04	0.1	
Acetone, ppbv	1.9	0.5	1.6	7.7
Benzene, ppbv	0.09	0.01	0.04	0.6
Benzyl chloride, ppbv	ND (QX)	0.03	0.08	<0.1
Bromodichloromethane, ppbv	ND	0.01	0.03	<0.1
Bromoform, ppbv	ND (QX)	0.009	0.03	<0.1
Bromomethane, ppbv	ND (QX)	0.02	0.07	<0.1
Carbon disulfide, ppbv	ND	0.02	0.07	<0.1
Carbon Tetrachloride, ppbv	0.08	0.02	0.07	0.1
Chlorobenzene, ppbv	ND (QX)	0.01	0.04	<0.1
Chloroethane, ppbv	ND	0.02	0.05	<0.1
Chloroform, ppbv	ND	0.02	0.05	<0.1
Chloromethane, ppbv	0.5	0.02	0.06	0.6



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<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
cis-1,2-Dichloroethylene, ppbv	ND	0.02	0.07	
cis-1,3-Dichloropropene, ppbv	ND (QX)	0.03	0.1	
Cyclohexane, ppbv	ND	0.03	0.08	0.1
Dibromochloromethane, ppbv	ND (QX)	0.01	0.03	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.5	0.02	0.06	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	J (0.02)	0.02	0.05	<0.1
Ethanol, ppbv	ND (QX)	0.6	1.9	7.3
Ethyl Acetate, ppbv	ND	0.08	0.2	<0.1
Ethylbenzene, ppbv	J (0.02)	0.02	0.07	0.2
Ethylene oxide, ppbv	J (0.03)	0.02	0.06	
Hexachloro-1,3-butadiene, ppbv	J (0.01)	0.01	0.04	
Isopropanol, ppbv	1.5 (LJ)	0.04	0.1	
m+p-Xylene, ppbv	0.1 (LJ)	0.03	0.08	0.6
Methyl Isobutyl Ketone (MIBK), ppbv	ND (QX)	0.05	0.1	
Methyl Methacrylate, ppbv	ND (QX)	0.05	0.1	
Methyl tert-Butyl Ether (MTBE), ppbv	ND	0.01	0.04	
Methylene Chloride, ppbv	0.08	0.02	0.07	0.2
n-Heptane, ppbv	ND (QX)	0.03	0.09	0.2
n-Hexane, ppbv	J (0.04)	0.02	0.07	0.1
o-Xylene, ppbv	J (0.03)	0.02	0.06	0.2
p-Ethyltoluene, ppbv	ND (QX)	0.03	0.1	
Propylene, ppbv	0.2	0.02	0.05	0.5
Styrene, ppbv	ND (QX)	0.02	0.06	0.1
Tetrachloroethylene, ppbv	ND (QX)	0.01	0.04	
Tetrahydrofuran, ppbv	ND	0.04	0.1	<0.1
Toluene, ppbv	0.1 (LJ)	0.02	0.07	1.6
trans-1,2-Dichloroethylene, ppbv	ND	0.02	0.07	
trans-1,3-Dichloropropene, ppbv	ND (QX)	0.02	0.07	
Trichloroethylene, ppbv	ND	0.02	0.05	<0.2
Trichlorofluoromethane (Freon 11), ppbv	0.2	0.03	0.08	0.2
Trichlorotrifluoroethane (Freon 113), ppbv	0.07	0.02	0.06	0.1



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**Laboratory No.** 2128119-01 - continued  
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**Sample Date 10/08/2021** **Received Date 10/08/2021** **Analyzed Date 10/08/2021**

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**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>
Vinyl acetate, ppbv	ND	0.07	0.2	<0.1
Vinyl chloride, ppbv	ND	0.01	0.04	<0.1



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**Sample Date 10/08/2021** **Received Date 10/08/2021** **Analyzed Date 10/09/2021**

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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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**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.
QX	Does not meet QC criteria.
LJ	Identification of Analyte is Acceptable; Reported Value is an Estimate

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

- DISTRICT INFORMATION
- INVOICE SOURCE
- LAP AUDIT

LABORATORY NO 2128119

TO: SCAQMD LAB:  OTHER:

SOURCE NAME: Carson I.D. No. \_\_\_\_\_

Source Address: Channel near Avalon blvd & 405 City: Carson

Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: 90746

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

Analysis Requested by: Sumner Wilson Date: \_\_\_\_\_

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.Huff Date: 10/08/21 Time: 12:11

**REQUESTED ANALYSIS:**

Location	Can#	Start day / time / duration	Start vac	End vac
Carson, Avalon-Blvd: bridge over channel	E3684	10/08/2021, 12:11, 1min	-30" Hg	-5"Hg

Relinquished by	Received by	Firm/Agency	Date	Time
<i>S. Huff</i>	<i>Lab Smith</i>	SCAQMD Lab	10/08/21	19:41
	<i>10/08/21</i>			

Can sampled on bridge over channel @ N 33 50.442' W118 15.784'