



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

MONITORING AND ANALYSIS
REPORT OF LABORATORY ANALYSIS

(Page 1 of 3)

To: Victor Yip
Sr. Enforcement Manager
Compliance & Enforcement

Laboratory No. 1819301-01
Requested By Kraig Morris
Rule No. R402
ST No. NA
Report Created 08/23/2018

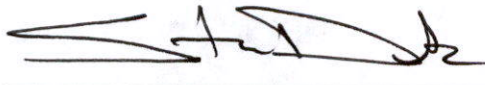
Sampling Location

Huntington Beach Fire Station #8
5891 Heil Ave
Huntington Beach, CA 92649

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS, AND RESULTS

Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID

See attached results and sample information.

Reviewed By: 

Stephen Dutz
Principal A.Q. Chemist
Laboratory Services

Date Reviewed: 08/24/18

Approved By: 

Aaron Katzenstein, Ph.D.
Senior Manager
Laboratory Services
(909) 396-2219

Date Approved: 8/24/18



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Laboratory No. 1819301-01
 Sample Description SUMMA Canister 54656
 Sample Comments Strong odor (rotten egg) at 0939 hours. Samples collected in front of driveway of HB Fire Station #8. Odor was 4 out of 5. The wind was from SW at 5mph.
 Sample Date 07/11/2018 Received Date 07/12/2018 Analyzed Date 07/12/2018

Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
Total NMOC, ppbC	400	0.1	0.3	100-700
Total Calibrated, ppbC	380	0.1	0.3	
Ethane (FID), ppbv	2.0	0.05	0.2	
Ethylene (FID), ppbv	0.4	0.05	0.2	0.7-4.1
Acetylene (FID), ppbv	0.3	0.05	0.2	
Propane (FID), ppbv	20	0.03	0.1	0.4-5.0
Propylene (FID), ppbv	<i>J (0.09)</i>	0.03	0.1	0.2-0.7
Isobutane (FID), ppbv	5.7	0.02	0.08	0.2-0.9
n-Butane (FID), ppbv	25	0.02	0.08	0.3-1.7
1-Butene (FID), ppbv	<i>J (0.02)</i>	0.02	0.08	0.1-0.3
trans-2-Butene (FID), ppbv	ND	0.02	0.08	
cis-2-Butene (FID), ppbv	ND	0.02	0.08	
Isopentane (FID), ppbv	9.4	0.02	0.06	
1-Pentene (FID), ppbv	<i>J (0.02)</i>	0.02	0.06	
n-Pentane (FID), ppbv	12	0.02	0.06	0.1-0.6
Isoprene (FID), ppbv	0.4	0.02	0.06	
trans-2-Pentene (FID), ppbv	<i>J (0.02)</i>	0.02	0.06	
cis-2-Pentene (FID), ppbv	ND	0.02	0.06	
2,2-Dimethylbutane (FID), ppbv	0.06	0.02	0.05	
Cyclopentane (FID), ppbv	0.4	0.02	0.06	
2,3-Dimethylbutane (FID), ppbv	0.3	0.02	0.05	
2-Methylpentane (FID), ppbv	2.2	0.02	0.05	
3-Methylpentane (FID), ppbv	1.4	0.02	0.05	
1-Hexene (FID), ppbv	ND	0.02	0.05	<0.1-0.1
n-Hexane (FID), ppbv	3.7	0.02	0.05	0.1-0.2
Methylcyclopentane (FID), ppbv	0.6	0.02	0.05	
2,4-Dimethylpentane (FID), ppbv	0.08	0.01	0.04	
Benzene (FID), ppbv	0.3	0.02	0.05	0.1-0.5
Cyclohexane (FID), ppbv	0.3	0.02	0.05	
2-Methylhexane (FID), ppbv	0.2	0.01	0.04	



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Laboratory No. 1819301-01 - continued
Sample Description SUMMA Canister 54656
Sample Comments Strong odor (rotten egg) at 0939 hours. Samples collected in front of driveway of HB Fire Station #8. Odor was 4 out of 5. The wind was from SW at 5mph.
Sample Date 07/11/2018 **Received Date 07/12/2018** **Analyzed Date 07/12/2018**

Volatile Organic Compounds (VOCs) in Ambient Air by GC/FID

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
2,3-Dimethylpentane (FID), ppbv	0.4	0.01	0.04	
3-Methylhexane (FID), ppbv	0.5	0.01	0.04	
2,2,4-Trimethylpentane (FID), ppbv	0.1	0.01	0.04	
n-Heptane (FID), ppbv	1.1	0.01	0.04	0.1-0.2
Methylcyclohexane (FID), ppbv	0.2	0.01	0.04	
2,3,4-Trimethylpentane (FID), ppbv	J (0.02)	0.01	0.04	
Toluene (FID), ppbv	0.3	0.01	0.04	0.1-0.6
2-Methylheptane (FID), ppbv	0.2	0.01	0.04	
3-Methylheptane (FID), ppbv	0.1	0.01	0.04	
n-Octane (FID), ppbv	0.3	0.01	0.04	<0.1-0.3
Ethylbenzene (FID), ppbv	0.06	0.01	0.04	0.1-0.2
m+p-Xylene (FID), ppbv	0.1	0.01	0.04	0.1-0.2
Styrene (FID), ppbv	J (0.01)	0.01	0.04	<0.1-0.2
o-Xylene (FID), ppbv	0.05	0.01	0.04	0.1-0.2
n-Nonane (FID), ppbv	0.08	0.01	0.03	<0.1-0.1
Isopropylbenzene (FID), ppbv	J (0.01)	0.01	0.03	
n-Propylbenzene (FID), ppbv	J (0.01)	0.01	0.03	
m-Ethyltoluene (FID), ppbv	J (0.03)	0.01	0.03	
p-Ethyltoluene (FID), ppbv	J (0.02)	0.01	0.03	
1,3,5-Trimethylbenzene (FID), ppbv	J (0.02)	0.01	0.03	
o-Ethyltoluene (FID), ppbv	J (0.02)	0.01	0.03	
1,2,4-Trimethylbenzene (FID), ppbv	J (0.03)	0.01	0.03	
n-Decane (FID), ppbv	J (0.03)	0.01	0.03	<0.1-0.1
1,2,3-Trimethylbenzene (FID), ppbv	J (0.03)	0.01	0.03	
m-Diethylbenzene (FID), ppbv	ND	0.01	0.03	
p-Diethylbenzene (FID), ppbv	J (0.02)	0.01	0.03	
n-Undecane (FID), ppbv	J (0.02)	0.009	0.03	<0.1
n-Dodecane (FID), ppbv	J (0.02)	0.008	0.02	<0.1

* 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 1819301

TO: SCAQMD LAB: OTHER:

SOURCE NAME: Huntington Beach Fire Station #8 I.D. No. _____

Source Address: 5891 Heil Ave City: Huntington Beach

Mailing Address: 2000 Main St. City: Huntington Beach Zip: 92649

Contact Person: Firefighter Defries Title: Paramedic Tel: (714) 536-5464

Analysis Requested by: Kraig Morris Date: 7/12/18

Approved by: _____ Office: C/E Budget #: 60375

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

Suspected Violation Rule(s) 402 Other

Sample Collected by: Firefighter Defries Date: 7/11/18 Time: 0939

SAMPLE DESCRIPTION:

Strong odor (rotten egg) @ 0939 hrs. Samples collected in front driveway of #8 Fire station #8 at 5891 Heil Ave. in Huntington Beach. odor was a 4 out of 5. The wind was from the SW @ 5 mph.

Summa CANID# 54656
 VOC ANALYSIS
 Tedlar bag ID# NX3232
 Sulfur ANALYSIS

REQUESTED ANALYSIS:

Relinquished by	Received by	Firm/Agency	Date	Time
Defries	Kraig Morris	SCAQMD	7/11/18	1540
Kraig Morris	Illiana Garcia	SCAQMD	7/12/18	0710

Remarks: