



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

MONITORING AND ANALYSIS
REPORT OF LABORATORY ANALYSIS

(Page 1 of 4)

To: Victor Yip
Sr. Enforcement Manager
Compliance & Enforcement

Laboratory No. 1800302-01

Requested By Kraig Morris

Sampling Location

Huntington Beach Fire Station #7
3831 Warner Ave.
Huntington Beach, CA 92649

Rule No. R402

ST No. NA

Report Created 01/18/2018

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:

01/18/18

Approved By:

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

Date Approved:

1/18/18



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Laboratory No. 1800302-01
Sample Description SUMMA Canister 54556, Strong odor (petroleum) at 3831 Warner Ave. Fire Station #7. Wind 3 mph NW. Odor was 4 out of 5. There were multiple calls to the station.
Sample Comments High concentration analytes should be viewed as estimates.
Sample Date 12/29/2017 **Received Date 01/03/2018** **Analyzed Date 01/05/2018**

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	5900	0.1	0.3	100-700
Total Calibrated, ppbC	5700	0.1	0.3	
Ethane (FID), ppbv	240	0.05	0.2	
Ethylene (FID), ppbv	3.6	0.05	0.2	0.7-4.1
Acetylene (FID), ppbv	2.8	0.05	0.2	
Propane (FID), ppbv	550	0.03	0.1	0.4-5.0
Propylene (FID), ppbv	0.8	0.03	0.1	0.2-0.7
Isobutane (FID), ppbv	110	0.02	0.08	0.2-0.9
n-Butane (FID), ppbv	330	0.02	0.08	0.3-1.7
1-Butene (FID), ppbv	ND	0.02	0.08	0.1-0.3
trans-2-Butene (FID), ppbv	<i>J (0.06)</i>	0.02	0.08	
cis-2-Butene (FID), ppbv	<i>J (0.06)</i>	0.02	0.08	
Isopentane (FID), ppbv	100	0.02	0.06	
1-Pentene (FID), ppbv	0.08	0.02	0.06	
n-Pentane (FID), ppbv	110	0.02	0.06	0.1-0.6
Isoprene (FID), ppbv	1.3	0.02	0.06	
trans-2-Pentene (FID), ppbv	0.1	0.02	0.06	
cis-2-Pentene (FID), ppbv	<i>J (0.04)</i>	0.02	0.06	
2,2-Dimethylbutane (FID), ppbv	0.8	0.02	0.05	
Cyclopentane (FID), ppbv	3.2	0.02	0.06	
2,3-Dimethylbutane (FID), ppbv	3.4	0.02	0.05	
2-Methylpentane (FID), ppbv	19	0.02	0.05	
3-Methylpentane (FID), ppbv	14	0.02	0.05	
1-Hexene (FID), ppbv	<i>J (0.03)</i>	0.02	0.05	<0.1-0.1
n-Hexane (FID), ppbv	30	0.02	0.05	0.1-0.2
Methylcyclopentane (FID), ppbv	4.7	0.02	0.05	
2,4-Dimethylpentane (FID), ppbv	0.8	0.01	0.04	
Benzene (FID), ppbv	1.6	0.02	0.05	0.1-0.5
Cyclohexane (FID), ppbv	2.3	0.02	0.05	
2-Methylhexane (FID), ppbv	1.6	0.01	0.04	



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Laboratory No. 1800302-01 - continued
Sample Description SUMMA Canister 54556, Strong odor (petroleum) at 3831 Warner Ave. Fire Station #7. Wind 3 mph NW. Odor was 4 out of 5. There were multiple calls to the station.
Sample Comments High concentration analytes should be viewed as estimates.
Sample Date 12/29/2017 **Received Date 01/03/2018** **Analyzed Date 01/05/2018**

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	3.5	0.01	0.04	
3-Methylhexane (FID), ppbv	4.2	0.01	0.04	
2,2,4-Trimethylpentane (FID), ppbv	1.6	0.01	0.04	
n-Heptane (FID), ppbv	8.1	0.01	0.04	0.1-0.2
Methylcyclohexane (FID), ppbv	2.2	0.01	0.04	
2,3,4-Trimethylpentane (FID), ppbv	0.3	0.01	0.04	
Toluene (FID), ppbv	5.3	0.01	0.04	0.1-0.6
2-Methylheptane (FID), ppbv	1.3	0.01	0.04	
3-Methylheptane (FID), ppbv	0.9	0.01	0.04	
n-Octane (FID), ppbv	2.2	0.01	0.04	<0.1-0.3
Ethylbenzene (FID), ppbv	0.3	0.01	0.04	0.1-0.2
m+p-Xylene (FID), ppbv	1.6	0.01	0.04	0.1-0.2
Styrene (FID), ppbv	0.1	0.01	0.04	<0.1-0.2
o-Xylene (FID), ppbv	0.3	0.01	0.04	0.1-0.2
n-Nonane (FID), ppbv	0.8	0.01	0.03	<0.1-0.1
Isopropylbenzene (FID), ppbv	0.07	0.01	0.03	
n-Propylbenzene (FID), ppbv	0.05	0.01	0.03	
m-Ethyltoluene (FID), ppbv	0.2	0.01	0.03	
p-Ethyltoluene (FID), ppbv	0.1	0.01	0.03	
1,3,5-Trimethylbenzene (FID), ppbv	0.2	0.01	0.03	
o-Ethyltoluene (FID), ppbv	0.08	0.01	0.03	
1,2,4-Trimethylbenzene (FID), ppbv	0.3	0.01	0.03	
n-Decane (FID), ppbv	0.4	0.01	0.03	<0.1-0.1
1,2,3-Trimethylbenzene (FID), ppbv	0.1	0.01	0.03	
m-Diethylbenzene (FID), ppbv	0.04	0.01	0.03	
p-Diethylbenzene (FID), ppbv	0.07	0.01	0.03	
n-Undecane (FID), ppbv	0.2	0.009	0.03	<0.1
n-Dodecane (FID), ppbv	0.09	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
 INVOICE
 LAP AU
LABORATORY

1800302



TO: SCAQMD LAB: OTHER:

SOURCE NAME: Huntington Beach Fire Station #7 I.D. No. _____

Source Address: 3831 Warner Ave City: Huntington Beach

Mailing Address: 2000 Main St. City: Huntington Beach Zip: 92648

Contact Person: Rex Rysewyk Title: CAPTAIN Tel: (760) 468-1241

Analysis Requested by: Kraig Morris Date: 1/3/18

Approved by: [Signature] Office: CEE Budget #: 60375

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

Suspected Violation Rule(s) 402 Other

Sample Collected by: Rex Rysewyk Date: 12/29/17 Time: 2234

SAMPLE DESCRIPTION:

Strong odor (petroleum) @ 3831 Warner Ave Fire station #7
wind 3 mph NW. odor was 4 out of 5.
there were multiple calls to the station.

REQUESTED ANALYSIS:

VOC Analysis sample can ID# 54556

Relinquished by	Received by	Firm/Agency	Date	Time
Rex Rysewyk	Kraig Morris	SCAQMD	1/3/18	0745
Kraig Morris	Kimbal de Leon	SCAQMD	1/3/18	1019

Remarks: