



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

**MONITORING AND ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

(Page 1 of 5)

**To:** Victor Yip  
Sr. Enforcement Manager  
Compliance & Enforcement

**Laboratory No.** 1729102-01  
**Requested By** Kraig Morris

**Sampling Location**

Various Sampling Locations  
Manorfield Dr.  
Huntington Beach, CA 92648

**Rule No.** 402  
**ST No.** NA  
**Report Created** 11/07/2017

**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:**

11/07/17

**Approved By:**

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

**Date Approved:**

11/7/17



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

**MONITORING AND ANALYSIS**  
**REPORT OF LABORATORY ANALYSIS**

(Page 2 of 5)

**Laboratory No.** 1729102-01  
**Sample Description** SUMMA Canister 54546  
**Sample Comments** Odor sample collected from private residence. Odor was petroleum gas w/ sulfur smell. Intensity 2/5. Consistent with odor detected outdoors at time of arrival. Unable to collect outdoor sample.

**Sample Date 10/17/2017**

**Received Date 10/18/2017**

**Analyzed Date 10/26/2017**

**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	2400	0.2	0.8	100-700
Total Calibrated, ppbC	2300	0.2	0.8	
Ethane (FID), ppbv	72	0.1	0.4	
Ethylene (FID), ppbv	J (0.2)	0.1	0.4	0.7-4.1
Acetylene (FID), ppbv	J (0.3)	0.1	0.4	
Propane (FID), ppbv	200	0.08	0.2	0.4-5.0
Propylene (FID), ppbv	J (0.09)	0.08	0.2	0.2-0.7
Isobutane (FID), ppbv	47	0.06	0.2	0.2-0.9
n-Butane (FID), ppbv	150	0.06	0.2	0.3-1.7
1-Butene (FID), ppbv	ND	0.06	0.2	0.1-0.3
trans-2-Butene (FID), ppbv	ND	0.06	0.2	
cis-2-Butene (FID), ppbv	ND	0.06	0.2	
Isopentane (FID), ppbv	47	0.05	0.2	
1-Pentene (FID), ppbv	ND	0.05	0.2	
n-Pentane (FID), ppbv	52	0.05	0.2	0.1-0.6
Isoprene (FID), ppbv	0.9	0.05	0.2	
trans-2-Pentene (FID), ppbv	J (0.05)	0.05	0.2	
cis-2-Pentene (FID), ppbv	ND	0.05	0.2	
2,2-Dimethylbutane (FID), ppbv	0.4	0.04	0.1	
Cyclopentane (FID), ppbv	1.6	0.05	0.2	
2,3-Dimethylbutane (FID), ppbv	1.5	0.04	0.1	
2-Methylpentane (FID), ppbv	9.3	0.04	0.1	
3-Methylpentane (FID), ppbv	6.5	0.04	0.1	
1-Hexene (FID), ppbv	ND	0.04	0.1	<0.1-0.1
n-Hexane (FID), ppbv	15	0.04	0.1	0.1-0.2
Methylcyclopentane (FID), ppbv	2.2	0.04	0.1	
2,4-Dimethylpentane (FID), ppbv	0.3	0.04	0.1	
Benzene (FID), ppbv	0.6	0.04	0.1	0.1-0.5
Cyclohexane (FID), ppbv	1.1	0.04	0.1	



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**Laboratory No.** 1729102-01 - continued  
**Sample Description** SUMMA Canister 54546  
**Sample Comments** Odor sample collected from private residence. Odor was petroleum gas w/ sulfur smell. Intensity 2/5. Consistent with odor detected outdoors at time of arrival. Unable to collect outdoor sample.

**Sample Date 10/17/2017**

**Received Date 10/18/2017**

**Analyzed Date 10/26/2017**

**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-Methylhexane (FID), ppbv	0.6	0.04	0.1	
2,3-Dimethylpentane (FID), ppbv	1.6	0.04	0.1	
3-Methylhexane (FID), ppbv	1.9	0.04	0.1	
2,2,4-Trimethylpentane (FID), ppbv	0.4	0.03	0.09	
n-Heptane (FID), ppbv	3.9	0.04	0.1	0.1-0.2
Methylcyclohexane (FID), ppbv	0.9	0.04	0.1	
2,3,4-Trimethylpentane (FID), ppbv	J (0.03)	0.03	0.09	
Toluene (FID), ppbv	0.8	0.04	0.1	0.1-0.6
2-Methylheptane (FID), ppbv	0.5	0.03	0.09	
3-Methylheptane (FID), ppbv	0.4	0.03	0.09	
n-Octane (FID), ppbv	0.9	0.03	0.09	<0.1-0.3
Ethylbenzene (FID), ppbv	0.2	0.03	0.09	0.1-0.2
m+p-Xylene (FID), ppbv	0.5	0.03	0.09	0.1-0.2
Styrene (FID), ppbv	J (0.03)	0.03	0.09	<0.1-0.2
o-Xylene (FID), ppbv	0.3	0.03	0.09	0.1-0.2
n-Nonane (FID), ppbv	0.3	0.03	0.08	<0.1-0.1
Isopropylbenzene (FID), ppbv	ND	0.03	0.08	
n-Propylbenzene (FID), ppbv	ND	0.03	0.08	
m-Ethyltoluene (FID), ppbv	J (0.07)	0.03	0.08	
p-Ethyltoluene (FID), ppbv	J (0.04)	0.03	0.08	
1,3,5-Trimethylbenzene (FID), ppbv	J (0.05)	0.03	0.08	
o-Ethyltoluene (FID), ppbv	J (0.03)	0.03	0.08	
1,2,4-Trimethylbenzene (FID), ppbv	J (0.08)	0.03	0.08	
n-Decane (FID), ppbv	J (0.08)	0.02	0.08	<0.1-0.1
1,2,3-Trimethylbenzene (FID), ppbv	J (0.03)	0.03	0.08	
m-Diethylbenzene (FID), ppbv	ND	0.02	0.08	
p-Diethylbenzene (FID), ppbv	J (0.02)	0.02	0.08	
n-Undecane (FID), ppbv	J (0.02)	0.02	0.07	<0.1
n-Dodecane (FID), ppbv	ND	0.02	0.06	<0.1

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

- DISTRICT INFORMATION  
 INVOICE SOURCE  
 LAP AUDIT

LABORATORY NO 1729102-01

TO: SCAQMD LAB:  OTHER:

SOURCE NAME: Sample collected @ 6022 Manorfield, HB I.D. No. \_\_\_\_\_

Source Address: 18591 Edwards St. HB Fire station #6 City: Huntington Beach

Mailing Address: 2000 Main St. City: Huntington Beach Zip: 92647

Contact Person: Captain Culhane Title: Fire Captain Tel: (714) 625-6606

Analysis Requested by: Kraig Morris Date: 10/18/17

Approved by: [Signature] Office: \_\_\_\_\_ Budget #: \_\_\_\_\_

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

Suspected Violation Rule(s) 402 Other

Sample Collected by: Capt. Culhane Date: 10/17/17 Time: 1703

**SAMPLE DESCRIPTION:**

odor sample was collected from upstairs room of private residence @ 6022 Manorfield, Huntington Beach

odor was petroleum gas w/ sulfur smell. Intensity was 2 out of 5. This odor indoors was consistent with odor detected outdoors at time of arrival.

Unable to collect outdoor sample.

REQUESTED ANALYSIS: VOC analysis sample ID# 54546

Relinquished by	Received by	Firm/Agency	Date	Time
<u>Joshua Hyink</u>	<u>Kraig Morris</u>	<u>SCAQMD</u>	<u>10/18/17</u>	<u>0800</u>
<u>Kraig Morris</u>	<u>H Phillipson</u>	<u>SCAQMD Lab</u>	<u>10/18/17</u>	<u>1105</u>

Remarks:

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

- DISTRICT INFORMATION  
 INVOICE SOURCE  
 LAP AUDIT

LABORATORY NO 1729102-02

TO: SCAQMD LAB:  OTHER:

SOURCE NAME: sample collected @ 6022 Manorfield, HB I.D. No. \_\_\_\_\_

Source Address: 18591 Edwardst. HB Five City: Huntington Beach

Mailing Address: 2000 Main st. City: Huntington Beach Zip: 92647

Contact Person: Captain Culhane Title: Fire Captain Tel: (714)625-6606

Analysis Requested by: Kraig Morris Date: 10/18/17

Approved by: [Signature] Office: \_\_\_\_\_ Budget #: \_\_\_\_\_

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

Suspected Violation Rule(s) 402 Other

Sample Collected by: Capt. Culhane Date: 10/17/17 Time: 1703

**SAMPLE DESCRIPTION:**

odor sample was collected from upstairs room of private residence @ 6022 Manorfield, Huntington Beach. Odor was petroleum gas w/ sulfur smell. Intensity was 2 out of 5. This odor indoors was consistent with odor detected outdoors at time of arrival. Unable to collect outdoor sample.

**REQUESTED ANALYSIS:** Sulfur Analysis sample ID# NX3236

Relinquished by	Received by	Firm/Agency	Date	Time
<u>Joshua Hyak</u>	<u>Kraig Morris</u>	<u>SCAQMD</u>	<u>10/18/17</u>	<u>0800</u>
<u>Kraig Morris</u>	<u>HPhillipson</u>	<u>SCAQMD Lab</u>	<u>10/18/17</u>	<u>1105</u>

Remarks: