



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: Marian Coleman
Assistant Deputy Executive Officer
Compliance & Enforcement


Laboratory No. 1717005-01
Requested By Kraig Morris

Sampling Location
Private Residence
16581 Trudy Ln.
Huntington Beach, CA 92648


Rule No. 402
ST No. NA
Report Created 08/30/2017

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: 08/30/17

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

Date Approved: 8/30/17



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REPORT OF LABORATORY ANALYSIS

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Laboratory No. 1717005-01
Sample Description Stainless Steel Canister PAMS Can ID#54562
Sample Comments Strong sulfur smell. Wind was from north 2mph. Smell intensity was a 3 on a scale of 0-5. Duration of event was approx. 15 min.
Sample Date 06/19/2017 **Received Date** 06/19/2017 **Analyzed Date** 06/23/2017

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	4100	5.9	18	100-700
Total Calibrated, ppbC	3900	5.9	18	
Ethane (FID), ppbv	170	3.0	8.9	
Ethylene (FID), ppbv	0.3	0.05	0.2	0.7-4.1
Acetylene (FID), ppbv	<i>J (0.2)</i>	0.05	0.2	
Propane (FID), ppbv	380	2.0	5.9	0.4-5.0
Propylene (FID), ppbv	<i>J (0.1)</i>	0.03	0.1	0.2-0.7
Isobutane (FID), ppbv	72	1.5	4.5	0.2-0.9
n-Butane (FID), ppbv	210	1.5	4.5	0.3-1.7
1-Butene (FID), ppbv	ND	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	61	1.2	3.6	
1-Pentene (FID), ppbv	<i>J (0.02)</i>	0.02	0.06	
n-Pentane (FID), ppbv	66	1.2	3.6	0.1-0.6
Isoprene (FID), ppbv	0.09	0.02	0.06	
trans-2-Pentene (FID), ppbv	0.07	0.02	0.06	
cis-2-Pentene (FID), ppbv	ND	0.02	0.06	
2,2-Dimethylbutane (FID), ppbv	0.6	0.02	0.05	
Cyclopentane (FID), ppbv	2.5	0.02	0.06	
2,3-Dimethylbutane (FID), ppbv	2.3	0.02	0.05	
2-Methylpentane (FID), ppbv	11	1.0	3.0	
3-Methylpentane (FID), ppbv	8.6	1.0	3.0	
1-Hexene (FID), ppbv	<i>J (0.02)</i>	0.02	0.05	<0.1-0.1
n-Hexane (FID), ppbv	17	1.0	3.0	0.1-0.2
Methylcyclopentane (FID), ppbv	3.5	0.02	0.05	
2,4-Dimethylpentane (FID), ppbv	0.4	0.01	0.04	
Benzene (FID), ppbv	0.9	0.02	0.05	0.1-0.5
Cyclohexane (FID), ppbv	1.8	0.02	0.05	
2-Methylhexane (FID), ppbv	0.9	0.01	0.04	



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Laboratory No. 1717005-01 - continued
Sample Description Stainless Steel Canister PAMS Can ID#54562
Sample Comments Strong sulfur smell. Wind was from north 2mph. Smell intensity was a 3 on a scale of 0-5. Duration of event was approx. 15 min.
Sample Date 06/19/2017 **Received Date** 06/19/2017 **Analyzed Date** 06/21/2017

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>
2,3-Dimethylpentane (FID), ppbv	2.3	0.01	0.04	
3-Methylhexane (FID), ppbv	2.8	0.01	0.04	
2,2,4-Trimethylpentane (FID), ppbv	0.6	0.01	0.04	
n-Heptane (FID), ppbv	4.5	0.8	2.5	0.1-0.2
Methylcyclohexane (FID), ppbv	1.6	0.01	0.04	
2,3,4-Trimethylpentane (FID), ppbv	0.05	0.01	0.04	
Toluene (FID), ppbv	1.0	0.01	0.04	0.1-0.6
2-Methylheptane (FID), ppbv	0.8	0.01	0.04	
3-Methylheptane (FID), ppbv	0.5	0.01	0.04	
n-Octane (FID), ppbv	1.3	0.01	0.04	<0.1-0.3
Ethylbenzene (FID), ppbv	0.1	0.01	0.04	0.1-0.2
m+p-Xylene (FID), ppbv	0.4	0.01	0.04	0.1-0.2
Styrene (FID), ppbv	J (0.02)	0.01	0.04	<0.1-0.2
o-Xylene (FID), ppbv	0.09	0.01	0.04	0.1-0.2
n-Nonane (FID), ppbv	0.3	0.01	0.03	<0.1-0.1
Isopropylbenzene (FID), ppbv	J (0.03)	0.01	0.03	
n-Propylbenzene (FID), ppbv	J (0.02)	0.01	0.03	
m-Ethyltoluene (FID), ppbv	0.05	0.01	0.03	
p-Ethyltoluene (FID), ppbv	J (0.03)	0.01	0.03	
1,3,5-Trimethylbenzene (FID), ppbv	0.04	0.01	0.03	
o-Ethyltoluene (FID), ppbv	J (0.03)	0.01	0.03	
1,2,4-Trimethylbenzene (FID), ppbv	0.1	0.01	0.03	
n-Decane (FID), ppbv	0.1	0.01	0.03	<0.1-0.1
1,2,3-Trimethylbenzene (FID), ppbv	J (0.01)	0.01	0.03	
m-Diethylbenzene (FID), ppbv	ND	0.01	0.03	
p-Diethylbenzene (FID), ppbv	ND	0.01	0.03	
n-Undecane (FID), ppbv	J (0.03)	0.009	0.03	<0.1
n-Dodecane (FID), ppbv	J (0.009)	0.008	0.02	<0.1

* J = Value is between method detection and reporting limits.

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



TO: SCAQMD LAB: OTHER:

SOURCE NAME: Residence I.D. No. _____

Source Address: 16581 Trudy Ln. City: Huntington Beach

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

Contact Person: Paul Fredericks Title: Fire Captain Tel: (714) 271-5756

Analysis Requested by: Kraig Morris Date: 6/19/17

Approved by: _____ Office: _____ Budget #: _____

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

Suspected Violation Rule(s) 402 Other

Sample Collected by: Paul Fredericks Date: 6/18/17 Time: 2226

SAMPLE DESCRIPTION:

Strong sulfur smell. Wind was from North 2 mph.
Smell intensity was a 3 on a scale of 0-5.
Duration of event was approx. 15 min.
Sample was collected & stored overnight in secure location
at Fire Dept. #8 and Fire Personnel Mr. Kyle Kramer who
Relinquished the sample to Inspector Kraig Morris
the morning of 6/19/17.

PAMS CAN
ID# 54562

REQUESTED ANALYSIS:

Relinquished by	Received by	Firm/Agency	Date	Time
Kyle Kramer	Kraig Morris	SCAQMD	0951	6/19/17
Kraig Morris	Scott Bartels	SCAQMD	6/19/17	11:15am

Remarks: