



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

MONITORING AND ANALYSIS
REPORT OF LABORATORY ANALYSIS

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To: Victor Yip
Sr. Enforcement Manager
Compliance & Enforcement

Laboratory No. 1725404-01
Requested By Kraig Morris

Sampling Location

Outside Residence
Ronda Circle
Huntington Beach, CA 92648

Rule No. 402
ST No. NA
Report Created 09/19/2017

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:

David Derry for Stephen Dutz
Stephen Dutz
Principal A.Q. Chemist
Laboratory Services

Date Reviewed:

9/19/17

Approved By:

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

Date Approved:

9/19/17



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Laboratory No. 1725404-01

Sample Description SUMMA Canister 54596, Ronda Circle

Sample Date 09/10/2017

Received Date 09/11/2017

Analyzed Date 09/13/2017

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	11000	0.1	0.3	100-700
Total Calibrated, ppbC	10000	0.1	0.3	
Ethane (FID), ppbv	410	0.05	0.2	
Ethylene (FID), ppbv	0.3	0.05	0.2	0.7-4.1
Acetylene (FID), ppbv	0.5	0.05	0.2	
Propane (FID), ppbv	950	0.03	0.1	0.4-5.0
Propylene (FID), ppbv	<i>J (0.1)</i>	0.03	0.1	0.2-0.7
Isobutane (FID), ppbv	190	0.02	0.08	0.2-0.9
n-Butane (FID), ppbv	620	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 (0.02)</i>	0.02	0.08	
cis-2-Butene (FID), ppbv	ND	0.02	0.08	
Isopentane (FID), ppbv	190	0.02	0.06	
1-Pentene (FID), ppbv	ND	0.02	0.06	
n-Pentane (FID), ppbv	220	0.02	0.06	0.1-0.6
Isoprene (FID), ppbv	0.2	0.02	0.06	
trans-2-Pentene (FID), ppbv	<i>J (0.03)</i>	0.02	0.06	
cis-2-Pentene (FID), ppbv	ND	0.02	0.06	
2,2-Dimethylbutane (FID), ppbv	1.4	0.02	0.05	
Cyclopentane (FID), ppbv	7.2	0.02	0.06	
2,3-Dimethylbutane (FID), ppbv	7.4	0.02	0.05	
2-Methylpentane (FID), ppbv	42	0.02	0.05	
3-Methylpentane (FID), ppbv	33	0.02	0.05	
1-Hexene (FID), ppbv	ND	0.02	0.05	<0.1-0.1
n-Hexane (FID), ppbv	65	0.02	0.05	0.1-0.2
Methylcyclopentane (FID), ppbv	9.7	0.02	0.05	
2,4-Dimethylpentane (FID), ppbv	1.2	0.01	0.04	
Benzene (FID), ppbv	2.7	0.02	0.05	0.1-0.5
Cyclohexane (FID), ppbv	5.0	0.02	0.05	
2-Methylhexane (FID), ppbv	3.0	0.01	0.04	
2,3-Dimethylpentane (FID), ppbv	7.3	0.01	0.04	
3-Methylhexane (FID), ppbv	9.1	0.01	0.04	



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Laboratory No. 1725404-01 - continued
Sample Description SUMMA Canister 54596, Ronda Circle
Sample Date 09/10/2017 **Received Date 09/11/2017** **Analyzed Date 09/13/2017**

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>
2,2,4-Trimethylpentane (FID), ppbv	1.8	0.01	0.04	
n-Heptane (FID), ppbv	17	0.01	0.04	0.1-0.2
Methylcyclohexane (FID), ppbv	4.0	0.01	0.04	
2,3,4-Trimethylpentane (FID), ppbv	0.1	0.01	0.04	
Toluene (FID), ppbv	2.7	0.01	0.04	0.1-0.6
2-Methylheptane (FID), ppbv	2.5	0.01	0.04	
3-Methylheptane (FID), ppbv	1.8	0.01	0.04	
n-Octane (FID), ppbv	4.2	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	1.5	0.01	0.04	0.1-0.2
Styrene (FID), ppbv	<i>J (0.03)</i>	0.01	0.04	<0.1-0.2
o-Xylene (FID), ppbv	0.2	0.01	0.04	0.1-0.2
n-Nonane (FID), ppbv	1.1	0.01	0.03	<0.1-0.1
Isopropylbenzene (FID), ppbv	0.08	0.01	0.03	
n-Propylbenzene (FID), ppbv	0.05	0.01	0.03	
m-Ethyltoluene (FID), ppbv	0.1	0.01	0.03	
p-Ethyltoluene (FID), ppbv	0.07	0.01	0.03	
1,3,5-Trimethylbenzene (FID), ppbv	0.1	0.01	0.03	
o-Ethyltoluene (FID), ppbv	0.08	0.01	0.03	
1,2,4-Trimethylbenzene (FID), ppbv	0.1	0.01	0.03	
n-Decane (FID), ppbv	0.3	0.01	0.03	<0.1-0.1
1,2,3-Trimethylbenzene (FID), ppbv	0.05	0.01	0.03	
m-Diethylbenzene (FID), ppbv	<i>J (0.01)</i>	0.01	0.03	
p-Diethylbenzene (FID), ppbv	<i>J (0.01)</i>	0.01	0.03	
n-Undecane (FID), ppbv	0.08	0.009	0.03	<0.1
n-Dodecane (FID), ppbv	<i>J (0.01)</i>	0.008	0.02	<0.1

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

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

DIST
 INV
 LAP
LABOF

WO #: 1725404



TO: SCAQMD LAB: OTHER:
 SOURCE NAME: outside Residence I.D. No. _____
 Source Address: 21271 Ronda Cir City: Huntington Beach
 Mailing Address: _____ City: _____ Zip: _____
 Contact Person: Capt. Ponder Title: CAPTAIN Tel: _____

Analysis Requested by: Kraig Morris Date: 9/11/17
 Approved by: _____ Office: _____ Budget #: _____
 REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill
 Suspected Violation Rule(s) 402 Other

Sample Collected by: Fire personnel Date: 9/10/17 Time: 1250

Dimento (HBFD)
 SAMPLE DESCRIPTION: Station #5 → 530 Lake st. HB

Sample collected at residence that called in ~~and~~ a gas odor complaint. Smelled the gas petroleum odor when arrived at residence at 21271 Ronda Cir in Huntington Beach. Collected can sample outside residence. wind direction NW. smell ongoing 3 out of 5.

PAMS CANID# 54596
 VOC Analysis

REQUESTED ANALYSIS:

Relinquished by	Received by	Firm/Agency	Date	Time
Fire personnel Dimento	Capt. Ponder	HO Fire Dept	9/10/17	0100
Capt. Ponder	Kraig Morris	SCAQMD	9/11/17	1020
<i>[Signature]</i>	<i>[Signature]</i>	SCAQMD	9/11/17	1130

Remarks: