



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. 1815302-01
Requested By Kraig Morris
Rule No. R402
ST No. NA
Report Created 06/13/2018

Sampling Location

Odor Plume
Edwards St. & Talbert Ave.
Huntington Beach, CA 92648

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:

06/13/18

Approved By:

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

Date Approved:

6/13/18



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Laboratory No. 1815302-01
Sample Description SILCO Canister E5187
Sample Comments Report of natural gas smell near intersection reported. Smell was very strong with petroleum scent. Winds mild & from the SW during dusk. Scent was 9/10 during sample collection.

Sample Date 06/01/2018

Received Date 06/02/2018

Analyzed Date 06/06/2018

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 NMOG, ppbC	100000	0.4	1.2	100-700
Total Calibrated, ppbC	100000	0.4	1.2	
Ethane (FID), ppbv	8600	0.2	0.6	
Ethylene (FID), ppbv	19	0.2	0.6	0.7-4.1
Acetylene (FID), ppbv	4.0	0.2	0.6	
Propane (FID), ppbv	10000	0.1	0.4	0.4-5.0
Propylene (FID), ppbv	19	0.1	0.4	0.2-0.7
Isobutane (FID), ppbv	1500	0.1	0.3	0.2-0.9
n-Butane (FID), ppbv	4600	0.1	0.3	0.3-1.7
1-Butene (FID), ppbv	9.8	0.1	0.3	0.1-0.3
trans-2-Butene (FID), ppbv	3.9	0.1	0.3	
cis-2-Butene (FID), ppbv	3.9	0.1	0.3	
Isopentane (FID), ppbv	1400	0.08	0.2	
1-Pentene (FID), ppbv	2.5	0.08	0.2	
n-Pentane (FID), ppbv	1700	0.08	0.2	0.1-0.6
Isoprene (FID), ppbv	1.6	0.08	0.2	
trans-2-Pentene (FID), ppbv	2.5	0.08	0.2	
cis-2-Pentene (FID), ppbv	1.3	0.08	0.2	
2,2-Dimethylbutane (FID), ppbv	10	0.07	0.2	
Cyclopentane (FID), ppbv	76	0.08	0.2	
2,3-Dimethylbutane (FID), ppbv	55	0.07	0.2	
2-Methylpentane (FID), ppbv	340	0.07	0.2	
3-Methylpentane (FID), ppbv	220	0.07	0.2	
1-Hexene (FID), ppbv	0.8	0.07	0.2	<0.1-0.1
n-Hexane (FID), ppbv	510	0.07	0.2	0.1-0.2
Methylcyclopentane (FID), ppbv	120	0.07	0.2	
2,4-Dimethylpentane (FID), ppbv	12	0.06	0.2	
Benzene (FID), ppbv	36	0.07	0.2	0.1-0.5
Cyclohexane (FID), ppbv	59	0.07	0.2	



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Laboratory No. 1815302-01 - continued
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Sample Date 06/01/2018

Received Date 06/02/2018

Analyzed Date 06/06/2018

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-Methylhexane (FID), ppbv	29	0.06	0.2	
2,3-Dimethylpentane (FID), ppbv	59	0.06	0.2	
3-Methylhexane (FID), ppbv	74	0.06	0.2	
2,2,4-Trimethylpentane (FID), ppbv	24	0.05	0.2	
n-Heptane (FID), ppbv	150	0.06	0.2	0.1-0.2
Methylcyclohexane (FID), ppbv	55	0.06	0.2	
2,3,4-Trimethylpentane (FID), ppbv	1.7	0.05	0.2	
Toluene (FID), ppbv	28	0.06	0.2	0.1-0.6
2-Methylheptane (FID), ppbv	24	0.05	0.2	
3-Methylheptane (FID), ppbv	14	0.05	0.2	
n-Octane (FID), ppbv	40	0.05	0.2	<0.1-0.3
Ethylbenzene (FID), ppbv	3.6	0.05	0.2	0.1-0.2
m+p-Xylene (FID), ppbv	14	0.05	0.2	0.1-0.2
Styrene (FID), ppbv	0.6	0.05	0.2	<0.1-0.2
o-Xylene (FID), ppbv	2.7	0.05	0.2	0.1-0.2
n-Nonane (FID), ppbv	9.9	0.04	0.1	<0.1-0.1
Isopropylbenzene (FID), ppbv	0.8	0.04	0.1	
n-Propylbenzene (FID), ppbv	0.6	0.04	0.1	
m-Ethyltoluene (FID), ppbv	1.4	0.04	0.1	
p-Ethyltoluene (FID), ppbv	0.5	0.04	0.1	
1,3,5-Trimethylbenzene (FID), ppbv	1.1	0.04	0.1	
o-Ethyltoluene (FID), ppbv	0.7	0.04	0.1	
1,2,4-Trimethylbenzene (FID), ppbv	1.3	0.04	0.1	
n-Decane (FID), ppbv	2.2	0.04	0.1	<0.1-0.1
1,2,3-Trimethylbenzene (FID), ppbv	0.7	0.04	0.1	
m-Diethylbenzene (FID), ppbv	0.2	0.04	0.1	
p-Diethylbenzene (FID), ppbv	0.2	0.04	0.1	
n-Undecane (FID), ppbv	0.5	0.04	0.1	<0.1
n-Dodecane (FID), ppbv	0.1	0.03	0.1	<0.1

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

- DISTRICT INFORMATION
- INVOICE SOURCE
- LAP AUDIT

LABORATORY NO 1815302

TO: SCAQMD LAB: OTHER:

SOURCE NAME: Odor Plume / SUMMA I.D. No. 1815302 H1808633

Source Address: Edwards X Talbert City: HB

Mailing Address: 18591 Edwards St. City: Huntington Beach Zip: 92648

Contact Person: Bob Culhane Title: Fire Captain Tel: 7143758400

Analysis Requested by: Kraig Morris Date: 6/2/18

Approved by: _____ Office: C&E Budget #: _____

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

Suspected Violation Rule(s) 402 Other

Sample Collected by: J. Hynek Date: 6/1/18 Time: 9:05 pm



SAMPLE DESCRIPTION:

Report of natural gas smell near intersection reported. Smell was very strong with petroleum scent. Winds were mild and from the southwest during dusk. Scent was 9/10 during sample collection.

petroleum
smell

REQUESTED ANALYSIS:

VOC Analysis
CAN ID# ES187

Relinquished by	Received by	Firm/Agency	Date	Time
	<u>Kraig Morris</u>	SCAQMD	<u>6/1/18</u>	<u>1003</u>
	<u>M-11</u>	SCAQMD	<u>6/2/18</u>	<u>10:58</u>

Remarks: