

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

**MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS**

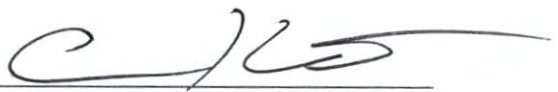
TO: Jason C. Low, Ph.D. Assistant Deputy Executive Officer Science and Technology Advancement	LABORATORY NO: <u>1706145</u>
	REFERENCE NO: <u>MSJ-146-52</u>
SAMPLE DESCRIPTION: Summa Canister Canister # E5115	DATE SAMPLED: <u>03/01/17</u>
	DATE RECEIVED: <u>03/02/17</u>
	DATE ANALYZED: <u>03/02/17</u>
SAMPLE LOCATION: Building Interior Stairwell 4352 Pickwick Huntington Beach, CA 92649	ANALYZED BY: <u>Brian Sinajon</u>
	REQUESTED BY: <u>Kraig Morris</u>

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS AND RESULTS

Qualitative Analysis and Quantitation of Toxic Organic Compounds by
Gas Chromatography (GC) with Mass Spectrometry (MS)

Note: See attached for speciated results.

Date Approved: 3-15-17

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

Lab Number: 1706145
Location: Huntington Beach

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Sample Date	03/01/17	Typical Ambient Air
Canister	E5115	
Sampling Location	Building Interior Stairwell	
NMOC, ppbC	N/A	100-700

<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc.(ppbv)</u>
1,2-Dichlorobenzene	N.D.	<0.1
1,2-Dichloropropane	N.D.	<0.1
1,3-Butadiene	N.D.	<0.1-0.2
1,4-Dichlorobenzene	N.D.	<0.1
2-Propenal	N.D.	0.1-0.4
Acetone	20	3.7-13.7
Benzene	0.6	0.3-1.3
Carbon tetrachloride	<0.1	0.1
Chloroform	<0.1	<0.1
Ethylbenzene	<0.1	0.1-0.5
m+p-Xylene	0.2	0.3-1.5
Methyl t-butyl ether	<0.1	
Methylene chloride	0.1	0.1-0.4
o-Xylene	<0.1	0.1-0.6
Styrene	<0.1	<0.1-0.2
Tetrachloroethylene	<0.1	<0.1-0.1
Toluene	0.9	0.8-4.1
Trichloroethylene	N.D.	<0.1-0.1
Vinyl chloride	N.D.	<0.1
1,1,1-Trichloroethane	<0.1	
1,1,2-Trichloroethane	N.D.	
1,1-Dichloroethane	<0.1	
1,1-Dichloroethylene	N.D.	
1,2,4-Trichlorobenzene	0.1	
1,2,4-Trimethylbenzene	<0.1	
1,2-Dibromoethane	N.D.	0.0
1,2-Dichloroethane	<0.1	<0.1

N.D.=Not Detected

NMOC=Non-Methane Organic Compounds

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<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc.(ppbv)</u>
1,3,5-Trimethylbenzene	<0.1	
1,3-Dichlorobenzene	N.D.	
1,4-Dioxane	N.D.	
2-Butanone (MEK)	0.3	
2-Hexanone (MBK)	N.D.	
Benzyl chloride	N.D.	
Bromodichloromethane	N.D.	
Bromoform	<0.1	
Bromomethane	<0.1	
c-1,2-Dichloroethylene	N.D.	
c-1,3-Dichloropropene	N.D.	
Carbon disulfide	<0.1	
Chlorobenzene	N.D.	
Chloroethane	N.D.	
Chloromethane	0.6	
Cyclohexane	0.9	
Dibromochloromethane	N.D.	
Ethanol	21	0.0
Ethyl acetate	<0.1	
Freon-11	0.2	
Freon-113	<0.1	
Freon-114	N.D.	
Freon-12	0.4	
Hexachloro-1,3-butadiene	<0.1	
Isopropanol	0.4	
Methyl isobutyl ketone	N.D.	
Methyl methacrylate	N.D.	

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<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc.(ppbv)</u>
Naphthalene	N.D.	
n-Heptane	3.6	0.1-0.6
n-Hexane	12	0.2-1.0
p-Ethyltoluene	<0.1	
Propylene	N.D.	0.5-2.0
t-1,2-Dichloroethylene	N.D.	
t-1,3-Dichloropropene	N.D.	
Tetrachloroethane	N.D.	
Tetrahydrofuran	N.D.	
Vinyl acetate	N.D.	
1,2,3-Trimethylbenzene	N.D.	
1-Butene	<0.1	0.1-0.3
1-Hexene	N.D.	<0.1-0.1
1-Pentene	<0.1	
2,2,4-Trimethylpentane	<0.1	
2,2-Dimethylbutane	0.2	
2,3,4-Trimethylpentane	<0.1	
2,3-Dimethylbutane	0.8	
2,3-Dimethylpentane	0.2	
2,4-Dimethylpentane	<0.1	
2-Methylheptane	0.1	
2-Methylhexane	0.8	
2-Methylpentane	5.5	
3-Methylheptane	<0.1	
3-Methylhexane	0.8	
3-Methylpentane	3.3	
Acetylene	6.0	

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<u>Compound</u>	<u>Conc. (ppbv)</u>	<u>Conc.(ppbv)</u>
Acetylene+ethylene	N/A	1.4-8.3
cis-2-Butene	N.D.	
cis-2-Pentene	N.D.	
Cyclopentane	1.0	
Ethane	N.D.	1.0-5.0
Ethylene	N.D.	
Isobutane	29	0.8-3.7
Isopentane	<9	
Isoprene	1.0	0.0
Isopropylbenzene	N.D.	
m-Diethylbenzene	N.D.	
Methylcyclohexane	0.3	
Methylcyclopentane	0.9	
m-Ethyltoluene	<0.1	
n-Butane	49	1.2-6.8
n-Decane	<0.1	<0.1-0.1
n-Dodecane	N.D.	<0.1
n-Nonane	<0.1	<0.1-0.1
n-Octane	0.3	<0.1-0.3
n-Pentane	32	0.6-2.9
n-Propylbenzene	N.D.	
n-Undecane	<0.1	<0.1
o-Ethyltoluene	<0.1	
p-Diethylbenzene	N.D.	
Propane	75	1.3-16.0
trans-2-Butene	N.D.	
trans-2-Pentene	N.D.	

N.D.=Not Detected

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Additional Compounds

Menthol	1.0	
2-[(Trimethylsilyl)oxy]-2-{4- [(trimethylsilyl)oxy]phenyl}etha namine	11	

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
SAMPLE ANALYSIS REQUEST

DISTRICT
 INVOICE
 LAP AUD
LABORATC

1706145



TO: SCAQMD LAB: OTHER:

SOURCE NAME: Building at location I.D. No. _____

Source Address: 4352 Pickwick City: Huntington Beach

Mailing Address: _____ City: _____ Zip: _____

Contact Person: DARRIN WITT Title: FIRE CAPTAIN Tel: (714) 536-5928

Analysis Requested by: Kraig Morris Date: 3/2/17

Approved by: [Signature] Office: C&E Budget #: 50-375

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

Suspected Violation Rule(s) _____ Other

Sample Collected by: DARRIN WITT Date: 3/1/17 Time: 15:30

SAMPLE DESCRIPTION:
ODOR WAS CONSISTENT WITH "ODOR" FROM "OFF SHORE"
THAT MOVES THROUGH HUNTINGTON BEACH. "ROTTEN EGG"
TYPE SMELL. ODOR WAS INTENSE INSIDE BUILDING, 4 OUT OF 5.
SAMPLE COLLECTED INSIDE INTERIOR STAIRWELL
AT 4352 PICKWICK HUNT. BCH. 92649

ID#E5115
OW
RD
3/9/15

REQUESTED ANALYSIS: VOC

Relinquished by	Received by	Firm/Agency	Date	Time
Kraig Morris	DARRIN WITT	HUNT. BCH. F.D.	2/23/17	1515
DARRIN WITT	Kraig Morris	SCAQMD	3/2/17	0905
Kraig Morris	[Signature]	Laboratory	3/2/17	1055am

Remarks: