

# Bay Area Air Quality Management District

939 Ellis Street, San Francisco, CA 94109 (415) 749-5014

<b>REPORT OF LABORATORY ANALYSIS</b>	<b>FL-2</b>
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<b>Technical Division</b> <b>Laboratory Services Section</b>	<b>To: J. Gove</b> <b>Person Submitting Sample</b> <b>Enforcement Division</b>
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<b>Lab Method:</b> GC/MS	<b>Lab No:</b> 12-033
<b>Sample Location:</b> Conoco, 1380 San Pablo Avenue, Rodeo	
<b>Sample Type:</b> Upwind ambient air in Canister #13 @ Corner of California St. and San Pablo Avenue	
<b>Source Operation:</b> TK 294	<b>SITE#</b> A 0016
<b>Date Received:</b> 6/18/2012	<b>Date Analyzed:</b> 6/19/2012
<b>Analyst:</b> M. Beacon / H. Amin <i>M. Beacon</i>	<b>Lab Ref:</b> HA4:085

### RESULTS OF GAS CHROMATOGRAPHIC ANALYSIS FOR AIR TOXICS

COMPOUND	Suma Canister #13 (DF= 1.53) CONCENTRATION (ppb)	MDL (PPB)
VINYL CHLORIDE	<MDL	0.006
1,3 BUTADIENE	<MDL	0.009
FREON 11	0.21	0.014
Ethanol	22.27	0.231
2 propenal (Acrolein)	7.20	0.110
FREON 113	0.06	0.018
ACETONE	36.90	0.078
Acetonitrile	<MDL	0.040
Dichloromethane	0.20	0.071
Acrylonitrile	0.06	0.011
MEK	6.38	0.024
Chloroform	0.02	0.012
1,1,1-trichloethane	<MDL	0.006
CARBON TETRACHLORIDE	0.07	0.001
BENZENE	0.11	0.014
1,2 DCE	<MDL	0.008
TCE	<MDL	0.011
TOLUENE	0.20	0.020
PERC	0.010	0.002
1,2-dibromoethane	<MDL	0.005
ET-BENZENE	0.05	0.016
m,p-Xylene	0.14	0.019
o-Xylene	0.06	0.008

\* GC/MS tentatively identified ppb levels of butanal and pentanal in the sample.

### RESULTS FOR SULFUR ANALYSIS

No Residual sulfur odor present in the sample.

<b>V. N. Recommended:</b>  _____ James Hesson Laboratory Services Manager	<input type="checkbox"/> YES      REG. ___ RULE ___ SEC. ___ <input type="checkbox"/> NO <input type="checkbox"/> FURTHER EVALUATION NEEDED <input checked="" type="checkbox"/> FOR INFORMATION ONLY  <div style="text-align: center;">                  _____                  Date             </div>
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Lab Method:	GC-MS	Lab No: 12-034
Sample Location:	Conoco, 1380 San Pablo Avenue, Rodeo	
Sample Type:	Ambient air in Canister #7 @ Corner of Pomona St. & Crockett Blvd.	
Source Operation:	TK 294	SITE# A 0016
Date Received:	6/18/2012	Date Analyzed: 6/19/2012
Analyst:	M. Beacon / H. Amin <i>[Signature]</i>	Lab Ref: HA4:085


### RESULTS OF GAS CHROMATOGRAPHIC ANALYSIS FOR AIR TOXICS

COMPOUND	Suma Canister #7 (DF= 1.59) CONCENTRATION (ppb)	MDL (PPB)
VINYL CHLORIDE	<MDL	0.006
1,3 BUTADIENE	0.18	0.009
FREON 11	0.20	0.014
Ethanol	2.24	0.231
2 propenal (Acrolein)	1.63	0.110
FREON 113	0.05	0.018
ACETONE	4.11	0.078
Acetonitrile	0.81	0.040
Dichloromethane	0.51	0.071
Acrylonitrile	0.21	0.011
MEK	0.62	0.024
Chloroform	0.02	0.012
1,1,1-trichloethane	0.10	0.006
CARBON TETRACHLORIDE	0.08	0.001
BENZENE	0.52	0.014
1,2 DCE	0.02	0.008
TCE	<MDL	0.011
TOLUENE	0.36	0.020
PERC	<MDL	0.002
1,2-dibromoethane	<MDL	0.005
ET-BENZENE	0.04	0.016
m,p-Xylene	0.10	0.019
o-Xylene	0.05	0.008

\* GC/MS tentatively identified ppb levels of isobutane, butane, 2-methylbutane, pentane, hexane and methyl cyclopentane in the sample.

### RESULTS FOR SULFUR ANALYSIS

No Residual sulfur odor present in the sample.

V. N. Recommended:	<input type="checkbox"/> YES      REG. ___ RULE ___ SEC. ___ <input type="checkbox"/> NO <input type="checkbox"/> FURTHER EVALUATION NEEDED <input checked="" type="checkbox"/> FOR INFORMATION ONLY
 _____ James Hesson Laboratory Services Manager	Date <u>6/21/12</u>

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<b>Lab Method:</b> GC-MS <b>Sample Location:</b> Conoco, 1380 San Pablo Avenue, Rodeo <b>Sample Type:</b> Ambient air in Canister SL-8 @ Parking lot EBRPD Bull Valley Staging/ Eckley Pier <b>Source Operation:</b> TK 294 <b>Date Received:</b> 6/18/2012 <b>Analyst:</b> M. Beacon / H. Amin <i>mebeac</i>	<b>Lab No:</b> 12-035  <b>SITE#</b> A 0016 <b>Date Analyzed:</b> 6/19/2012 <b>Lab Ref:</b> HA4:085
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### RESULTS OF GAS CHROMATOGRAPHIC ANALYSIS FOR AIR TOXICS

COMPOUND	Suma Canister SL-8 (DF= 1.61) CONCENTRATION (ppb)	MDL (PPB)
VINYL CHLORIDE	0.01	0.006
1,3 BUTADIENE	<MDL	0.009
FREON 11	0.19	0.014
Ethanol	2.85	0.231
2 propenal (Acrolein)	0.38	0.110
FREON 113	0.03	0.018
ACETONE	1.22	0.078
Acetonitrile	0.09	0.040
Dichloromethane	0.22	0.071
Acrylonitrile	0.03	0.011
MEK	0.03	0.024
Chloroform	0.02	0.012
1,1,1-trichloethane	<MDL	0.006
CARBON TETRACHLORIDE	0.08	0.001
BENZENE	0.10	0.014
1,2 DCE	0.01	0.008
TCE	<MDL	0.011
TOLUENE	0.11	0.020
PERC	0.010	0.002
1,2-dibromoethane	<MDL	0.005
ET-BENZENE	0.02	0.016
m,p-Xylene	0.05	0.019
o-Xylene	0.02	0.008

\* GC/MS tentatively identified ppb levels of isobutane, butane, 2-methylbutane, pentane, hexane and methyl cyclopentane in the sample

### RESULTS FOR SULFUR ANALYSIS

No Residual sulfur odor present in the sample.

V. N. Recommended:

- YES      REG. \_\_\_ RULE \_\_\_ SEC. \_\_\_  
 NO  
 FURTHER EVALUATION NEEDED  
 FOR INFORMATION ONLY

  
 \_\_\_\_\_  
 James Hesson  
 Laboratory Services Manager

6/21/12  
 \_\_\_\_\_  
 Date

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Lab Method:	GC-MS	Lab No:	12-036
Sample Location:	Conoco, 1380 San Pablo Avenue, Rodeo		
Sample Type:	Ambient air in Canister CC-10 from Cummings Skyway @ I-80, time 08.28 am.		
Source Operation:	TK 294	SITE#	A 0016
Date Received:	6/18/2012	Date Analyzed:	6/19/2012
Analyst:	M. Beacon / H. Amin <i>[Signature]</i>	Lab Ref:	HA4:085


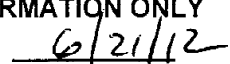
### RESULTS OF GAS CHROMATOGRAPHIC ANALYSIS FOR AIR TOXICS

COMPOUND	Suma Canister CC-10 (DF= 1.59) CONCENTRATION (ppb)	MDL (PPB)
VINYL CHLORIDE	<MDL	0.006
1,3 BUTADIENE	<MDL	0.009
FREON 11	0.17	0.014
Ethanol	3.38	0.231
2 propenal (Acrolein)	0.94	0.110
FREON 113	0.05	0.018
ACETONE	1.08	0.078
Acetonitrile	0.44	0.040
Dichloromethane	0.14	0.071
Acrylonitrile	0.12	0.011
MEK	0.18	0.024
Chloroform	0.02	0.012
1,1,1-trichloethane	<MDL	0.006
CARBON TETRACHLORIDE	0.08	0.001
BENZENE	0.31	0.014
1,2- DCE	0.02	0.008
TCE	<MDL	0.011
TOLUENE	0.34	0.020
PERC	0.010	0.002
1,2-dibromoethane	<MDL	0.005
ET-BENZENE	0.05	0.016
m,p-Xylene	0.14	0.019
o-Xylene	0.06	0.008

\* GC/MS tentatively identified ppb levels of butane, 2-methylbutane, pentane, hexane and cyclohexane in the sample.

### RESULTS FOR SULFUR ANALYSIS

No Residual sulfur odor present in the sample.

<b>V. N. Recommended:</b>   _____ James Hesson Laboratory Services Manager	<input type="checkbox"/> YES      REG. ___ RULE ___ SEC. ___ <input type="checkbox"/> NO <input type="checkbox"/> FURTHER EVALUATION NEEDED <input checked="" type="checkbox"/> FOR INFORMATION ONLY <div style="text-align: right;">                   _____                  Date             </div>
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