Cupertino Toxic Gasses and Metals Sampling Data with Comparison to San Jose

Compound	09/05/2010	09/11/2010	09/17/2010*	09/23/2010	09/29/2010	10/06/2010	10/11/2010	10/17/2010	10/23/2010	10/29/2010
GASSES										
Benzene (ppb)	0.11	0.11	0.07	0.12	0.25	0.13	0.16	0.15	0.06	0.14
Vinyl Chloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
1,3 Butadiene (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Acetone (ppb)	0.8	2.2	0.5	0.8	2.0	2.0	2.0	1.5	7.6	1.9
Methyl Ethyl Ketone (ppb)	0.19	0.32	<MDL	<MDL	0.29	0.33	0.12	0.12	0.89	0.17
Toluene (ppb)	0.42	0.3	0.11	0.33	0.7	0.28	0.32	0.31	<MDL	0.29
Ethylbenzene (ppb)	0.06	<MDL	<MDL	<MDL	0.06	<MDL	0.06	0.05	<MDL	<MDL
M&P Xylene (ppb)	0.27	0.15	0.05	0.15	0.23	0.13	0.2	0.17	0.13	0.13
O Xylene (ppb)	0.14	0.06	<MDL	0.06	0.1	0.05	0.09	0.07	<MDL	0.06
Trichlorofluoromethane (ppb)	0.19	0.17	0.18	0.18	0.16	0.15	0.15	0.17	0.16	0.17
Methylene Chloride (ppb)	0.25	<MDL	0.26	<MDL	0.31	0.11	<MDL	0.11	0.12	<MDL
12_Trichlorotrifluoroethane (ppb)	0.06	0.07	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07
Chloroform (ppb)	0.02	0.02	<MDL	<MDL	0.01	<MDL	0.01	0.02	0.01	0.01
Ethylene Dichloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Methyl Chloroform (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Carbon Tetrachloride (ppb)	0.1	0.11	0.1	0.09	0.11	0.08	0.11	0.09	0.12	0.12
Trichloroethylene (ppb)	0.02	0.01	0.02	0.02	0.03	0.02	0.02	0.02	0.01	0.01
Ethylene Dibromide (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Perchloroethylene (ppb)	0.005	<MDL	<MDL	<MDL	0.013	0.01	0.009	0.014	0.005	0.011
Formaldehyde (μg/m3)	2.97	3.12	1.56	2.42	5.67	1.91	3.25	1.27	0.75	1.64
Acetaldehyde (μg/m3)	1.62	1.56	0.82	1.32	3.20	1.17	1.63	0.84	0.41	1.08
METALS										
Aluminum (ng/m^3)	28.06	26.04	14.92	25.97	48.34	39.49	77.84	6.11	2.85	33.24
Silicon (ng/m^3)	92.33	89.74	54.87	88.52	159.09	144.93	278.42	23.54	14.04	111.67
Phosphorus (ng/m^3)	<MDL	1.19	0.75	1.14	2.28	0.36	2.23	<MDL	<MDL	1.47
Sulfur (ng/m^3)	91.51	28.54	45.79	39.94	36.46	41.12	24.92	40.71	13.15	23.71
Chlorine (ng/m^3)	344.52	18.25	12.92	26.57	45.21	127.78	35.51	185.08	74.14	16.56
Potassium (ng/m^3)	27.68	13.28	7.56	14.67	24.09	24.74	37.20	13.15	5.24	18.72
Calcium (ng/m^3)	50.31	58.68	51.42	70.83	133.98	80.26	100.21	26.77	18.96	88.73
Titanium (ng/m^3)	4.38	4.01	2.68	4.43	7.93	6.68	10.47	1.23	0.67	4.98
Vanadium (ng/m^3)	0.46	0.25	0.16	0.22	0.69	0.33	0.48	0.11	0.05	0.29
Chromium (ng/m^3)	0.25	0.23	0.17	0.27	0.53	0.31	0.52	0.10	0.05	0.24
Manganese (ng/m^3)	1.01	0.76	0.54	0.79	1.65	1.42	2.48	0.28	0.18	1.06
Iron (ng/m^3)	49.40	43.56	30.97	49.33	128.86	69.64	109.86	15.91	7.43	53.15
Cobalt (ng/m^3)	0.32	0.31	0.20	0.24	0.75	0.32	0.76	0.05	<MDL	0.32
Nickel (ng/m^3)	0.23	0.10	0.11	0.11	0.30	0.17	0.31	0.06	<MDL	0.10
Copper (ng/m^3)	0.91	0.71	0.60	0.75	1.72	0.82	0.68	0.54	0.16	0.77
Zinc (ng/m^3)	1.27	1.25	0.96	1.64	2.47	1.52	1.46	1.08	0.27	1.43
Arsenic (ng/m^3)	0.03	0.05	<MDL	0.04	0.02	0.03	0.02	0.04	<MDL	<MDL
Selenium (ng/m^3)	0.12	0.05	<MDL	0.03	0.06	0.04	0.04	0.03	<MDL	0.05
Bromine (ng/m^3)	0.86	0.31	0.12	0.30	0.48	0.37	0.20	0.65	0.06	0.30
Rubidium (ng/m^3)	0.07	0.02	0.03	0.03	0.07	0.10	0.17	<MDL	<MDL	0.07
Strontium (ng/m^3)	0.72	0.37	0.28	0.41	0.81	0.57	0.73	0.34	0.13	0.49
Yttrium (ng/m^3)	<MDL	<MDL	<MDL	<MDL	0.07	0.05	<MDL	<MDL	<MDL	0.05
Molybdenum (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Tin (ng/m^3)	<MDL	<MDL	<MDL	<MDL	0.20	<MDL	0.36	<MDL	<MDL	<MDL
Antimony (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	0.37	<MDL	0.29	<MDL	<MDL
Barium (ng/m^3)	2.16	2.14	1.85	2.38	4.62	2.75	3.93	1.07	0.73	2.45
Mercury (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lead (ng/m^3)	0.21	0.21	0.14	0.21	0.41	0.11	0.22	0.13	<MDL	0.20
Total Atmospheric Mercury (μg/m3)	N/A	0.003	0.002	0.002	0.003	0.002	0.005	0.002	0.002	0.002

*Gaseous Sample Collected on 9/21/2010

<MDL indicates less than Method Detection Limit. In order to calculate averages, 1/2 the MDL is used

Cupertino Toxic Gasses and Metals Sampling Data with Comparison to San Jose

Compound	11/4/2010	11/10/2010	11/16/2010	11/22/2010	11/28/2010†	12/4/2010	12/10/2010	12/16/2010	12/22/2010	12/28/2010	1/3/2011
GASSES											
Benzene (ppb)	0.31	0.12	0.21	0.14	0.35	0.24	0.23	0.31	0.16	0.22	0.22
Vinyl Chloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
1,3 Butadiene (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Acetone (ppb)	1.7	1.4	1.4	7.6	2.7	2.3	1.0	1.86	1.41	0.41	0.62
Methyl Ethyl Ketone (ppb)	0.34	0.12	0.12	0.84	0.20	0.13	0.11	0.13	0.14	<MDL	<MDL
Toluene (ppb)	0.67	0.24	0.48	0.30	0.58	0.48	0.43	0.49	0.18	0.22	0.27
Ethylbenzene (ppb)	0.10	<MDL	0.08	<MDL	0.09	0.08	0.06	0.08	<MDL	<MDL	0.04
M&P Xylene (ppb)	0.30	0.15	0.28	0.16	0.30	0.27	0.22	0.26	0.08	0.11	0.12
O Xylene (ppb)	0.14	0.07	0.12	0.07	0.13	0.12	0.09	0.12	<MDL	0.04	0.05
Trichlorofluoromethane (ppb)	0.08	0.14	0.17	0.15	0.24	0.20	0.15	0.18	0.16	0.16	0.16
Methylene Chloride (ppb)	0.18	0.13	0.13	<MDL	0.15	0.15	<MDL	0.13	<MDL	<MDL	<MDL
12_Trichlorotrifluoroethane (ppb)	0.04	0.04	0.04	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06
Chloroform (ppb)	0.03	0.06	0.06	0.04	0.04	0.04	0.03	0.04	0.03	0.03	0.02
Ethylene Dichloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Methyl Chloroform (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Carbon Tetrachloride (ppb)	0.12	0.10	0.12	0.11	0.11	0.12	0.10	0.13	0.11	0.12	0.10
Trichloroethylene (ppb)	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Ethylene Dibromide (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Perchloroethylene (ppb)	0.021	0.01	0.01	<MDL	0.013	0.015	0.016	0.020	0.006	0.012	0.012
Formaldehyde (μg/m3)	4.57	0.92	1.99	0.69	0.82	1.38	1.6	1.43	0.71	0.95	0.92
Acetaldehyde (μg/m3)	2.95	0.49	1.28	0.36	0.45	0.77	1.24	0.92	0.44	0.54	0.60
METALS											
Aluminum (ng/m^3)	35.64	4.43	19.63	2.57	2.90	5.57	17.80	16.41	1.40	5.69	11.59
Silicon (ng/m^3)	130.76	17.70	67.25	12.73	13.00	23.28	68.33	60.82	9.05	22.95	39.21
Phosphorus (ng/m^3)	3.04	<MDL	1.35	<MDL	<MDL	0.66	2.48	1.45	0.98	0.71	1.50
Sulfur (ng/m^3)	27.07	12.81	18.94	13.96	16.65	17.75	23.12	22.25	3.34	13.08	19.33
Chlorine (ng/m^3)	4.15	126.28	11.50	80.60	111.37	1.74	6.58	21.69	11.45	26.42	1.52
Potassium (ng/m^3)	21.00	6.83	10.80	5.18	5.64	6.35	12.11	12.29	4.06	6.21	8.15
Calcium (ng/m^3)	91.53	19.58	80.43	23.82	16.46	14.52	54.74	71.99	14.00	29.57	23.88
Titanium (ng/m^3)	5.94	0.85	3.43	0.59	0.96	1.10	4.65	3.56	0.51	1.40	1.96
Vanadium (ng/m^3)	0.30	0.07	0.25	0.06	<MDL	0.08	0.20	0.18	<MDL	0.09	0.11
Chromium (ng/m^3)	0.30	0.06	0.17	0.06	0.04	0.08	0.26	0.27	0.04	0.06	0.10
Manganese (ng/m^3)	1.50	0.18	0.73	0.14	0.14	0.24	0.80	0.89	0.11	0.26	0.39
Iron (ng/m^3)	67.81	10.41	35.11	9.45	7.51	13.22	52.66	40.56	6.31	15.13	22.13
Cobalt (ng/m^3)	0.38	0.07	0.23	0.05	0.06	0.06	0.33	0.33	<MDL	0.08	0.06
Nickel (ng/m^3)	0.15	<MDL	0.10	<MDL	0.07	<MDL	0.11	0.14	<MDL	<MDL	<MDL
Copper (ng/m^3)	1.28	0.27	0.47	0.25	0.20	0.48	1.51	0.98	0.23	0.40	0.52
Zinc (ng/m^3)	2.15	0.35	1.00	0.27	0.37	0.72	2.29	1.59	0.29	0.60	0.77
Arsenic (ng/m^3)	0.05	<MDL	<MDL	<MDL	<MDL	<MDL	0.02	<MDL	<MDL	<MDL	0.02
Selenium (ng/m^3)	0.06	<MDL	0.03	<MDL	0.03	0.05	<MDL	0.08	<MDL	<MDL	0.02
Bromine (ng/m^3)	0.38	0.25	0.13	0.17	0.33	0.20	0.16	0.22	0.03	0.10	0.09
Rubidium (ng/m^3)	0.09	<MDL	0.03	<MDL	<MDL	<MDL	0.05	0.04	<MDL	<MDL	0.03
Strontium (ng/m^3)	0.54	0.18	0.28	0.15	0.18	0.14	0.36	0.33	0.08	0.17	0.18
Yttrium (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.05	<MDL	<MDL	<MDL
Molybdenum (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Tin (ng/m^3)	0.38	0.27	<MDL	<MDL	<MDL	<MDL	0.21	0.32	<MDL	<MDL	<MDL
Antimony (ng/m^3)	0.69	0.28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Barium (ng/m^3)	3.52	0.88	2.41	0.96	0.63	1.00	3.02	2.97	0.58	1.08	1.14
Mercury (ng/m^3)	<MDL	<MDL	0.03	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lead (ng/m^3)	0.32	0.05	0.16	<MDL	0.06	0.16	0.17	0.21	<MDL	0.05	0.26
Total Atmospheric Mercury (μg/m3)	0.004	0.003	0.002	0.001	0.002	0.002	0.003	0.002	0.002	0.002	0.002

†Gaseous Sample Collected on 11/29/2010

<MDL indicates less than Method Detection Limit. In order to calculate averages, 1/2 the MDL is used

Cupertino Toxic Gasses and Metals Sampling Data with Comparison to San Jose

Compound	1/9/2011	1/15/2011	1/21/2011	1/27/2011	2/2/2011	2/8/2011	2/14/2011	2/20/2011	2/26/2011	3/4/2011
GASSES										
Benzene (ppb)	0.27	0.25	0.27	0.28	0.22	0.21	0.14	0.22	0.20	0.20
Vinyl Chloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
1,3 Butadiene (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Acetone (ppb)	1.10	0.78	1.47	4.08	8.70	1.97	0.46	0.85	1.62	0.83
Methyl Ethyl Ketone (ppb)	0.12	0.10	0.19	0.33	0.78	0.18	0.15	<MDL	0.13	<MDL
Toluene (ppb)	0.28	0.39	0.42	0.90	0.32	0.33	0.12	0.20	0.15	0.30
Ethylbenzene (ppb)	0.05	0.06	0.07	0.10	<MDL	0.05	<MDL	<MDL	<MDL	0.05
M&P Xylene (ppb)	0.12	0.19	0.22	0.39	0.14	0.17	0.05	0.10	0.05	0.14
O Xylene (ppb)	0.05	0.08	0.08	0.16	0.05	0.08	<MDL	0.04	<MDL	0.06
Trichlorofluoromethane (ppb)	0.22	0.20	0.21	0.22	0.23	0.21	0.18	0.21	0.22	0.18
Methylene Chloride (ppb)	<MDL	0.12	0.15	0.20	0.11	<MDL	<MDL	<MDL	<MDL	<MDL
12_Trichlorotrifluoroethane (ppb)	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.07	0.07	0.07
Chloroform (ppb)	0.01	0.01	0.01	0.01	0.01	0.08	0.01	0.01	<MDL	0.02
Ethylene Dichloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Methyl Chloroform (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Carbon Tetrachloride (ppb)	0.12	0.10	0.11	0.12	0.13	0.12	0.09	0.10	0.10	0.09
Trichloroethylene (ppb)	0.01	0.01	0.01	0.01	0.01	0.01	<MDL	0.01	<MDL	0.02
Ethylene Dibromide (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Perchloroethylene (ppb)	0.011	0.017	0.017	0.017	0.008	0.011	0.006	0.007	0.006	0.010
Formaldehyde (μg/m3)	1.06	1.80	1.90	2.03	1.16	0.79	0.68	0.69	0.65	1.31
Acetaldehyde (μg/m3)	0.69	1.11	1.53	1.69	0.83	0.38	0.38	0.40	0.37	0.80
METALS										
Aluminum (ng/m^3)	2.71	9.53	21.60	22.48	9.95	11.15	2.76	1.30	0.64	8.54
Silicon (ng/m^3)	13.72	35.76	76.41	82.62	41.23	45.94	14.41	9.05	8.25	37.53
Phosphorus (ng/m^3)	0.29	1.70	1.75	3.04	0.60	0.09	<MDL	<MDL	<MDL	0.72
Sulfur (ng/m^3)	22.00	14.17	38.95	26.34	11.72	8.32	20.58	14.95	10.35	14.25
Chlorine (ng/m^3)	11.45	3.37	3.22	4.93	4.33	43.28	52.32	67.63	50.44	8.78
Potassium (ng/m^3)	4.82	7.80	14.32	15.10	7.10	7.04	4.84	4.56	3.59	6.95
Calcium (ng/m^3)	7.45	58.89	83.84	115.42	43.20	25.56	9.33	27.86	18.05	59.98
Titanium (ng/m^3)	0.75	1.76	3.53	4.19	1.59	1.92	0.65	0.45	3.41	1.86
Vanadium (ng/m^3)	<MDL	0.24	0.25	0.34	0.09	0.09	0.09	0.11	0.09	0.18
Chromium (ng/m^3)	0.06	0.13	0.27	0.26	0.10	0.10	0.04	0.04	<MDL	0.13
Manganese (ng/m^3)	0.13	0.35	0.68	0.87	0.34	0.43	0.13	0.08	0.07	0.33
Iron (ng/m^3)	8.71	23.94	41.59	51.16	18.33	22.50	7.09	5.99	5.12	23.70
Cobalt (ng/m^3)	0.06	0.12	0.24	0.26	0.07	0.12	0.05	<MDL	0.06	0.14
Nickel (ng/m^3)	<MDL	0.07	0.10	0.12	<MDL	0.06	<MDL	<MDL	<MDL	<MDL
Copper (ng/m^3)	0.47	0.71	1.03	1.10	0.31	0.36	0.16	0.18	0.15	0.51
Zinc (ng/m^3)	0.68	0.95	2.11	1.92	0.60	0.71	0.26	0.28	0.38	0.85
Arsenic (ng/m^3)	<MDL	0.03	0.03	<MDL	0.02	<MDL	<MDL	<MDL	<MDL	<MDL
Selenium (ng/m^3)	0.06	0.07	0.07	0.06	<MDL	<MDL	<MDL	0.04	<MDL	0.03
Bromine (ng/m^3)	0.16	0.14	0.22	0.28	0.07	0.16	0.16	0.24	0.21	0.12
Rubidium (ng/m^3)	<MDL	0.02	0.06	0.05	<MDL	0.02	<MDL	<MDL	<MDL	0.02
Strontium (ng/m^3)	0.10	0.30	0.50	0.47	0.29	0.19	0.12	0.20	0.11	0.28
Yttrium (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Molybdenum (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Tin (ng/m^3)	<MDL	<MDL	0.37	0.50	0.21	0.36	<MDL	<MDL	<MDL	<MDL
Antimony (ng/m^3)	<MDL	0.31	<MDL	<MDL	<MDL	<MDL	0.32	<MDL	0.26	<MDL
Barium (ng/m^3)	0.64	1.66	2.58	3.24	1.27	1.18	0.59	0.74	0.84	1.79
Mercury (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lead (ng/m^3)	0.12	0.21	0.24	0.29	0.14	0.08	<MDL	<MDL	0.06	0.17
Total Atmospheric Mercury (μg/m3)	0.002	0.003	0.004	0.005	0.003	0.002	0.002	0.003	0.003	0.003

<MDL indicates less than Method Detection Limit. In order to calculate averages, 1/2 the MDL is used

Cupertino Toxic Gasses and Metals Sampling Data with Comparison to San Jose

Compound	3/10/2011	3/16/2011	3/22/2011	3/28/2011	4/3/2011	4/9/2011	4/15/2011	4/21/2011	4/27/2011	5/3/2011
GASSES										
Benzene (ppb)	0.20	0.14	0.15	0.13	0.13	0.14	0.13	0.08	0.10	0.07
Vinyl Chloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
1,3 Butadiene (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Acetone (ppb)	5.03	1.23	0.83	0.78	1.0	0.8	0.9	7.91	1.40	9.43
Methyl Ethyl Ketone (ppb)	0.60	0.13	<MDL	<MDL	<MDL	<MDL	0.10	0.54	0.15	0.58
Toluene (ppb)	0.30	0.20	0.09	0.12	0.16	0.36	0.16	0.09	0.14	0.10
Ethylbenzene (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
M&P Xylene (ppb)	0.12	0.07	0.04	0.05	0.07	0.09	0.06	0.11	0.06	0.12
O Xylene (ppb)	0.07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.04	<MDL	0.04
Trichlorofluoromethane (ppb)	0.19	0.18	0.17	0.15	0.17	0.18	0.26	0.24	0.25	0.26
Methylene Chloride (ppb)	0.13	0.10	<MDL	<MDL	<MDL	<MDL	0.15	<MDL	0.17	<MDL
12_Trichlorotrifluoroethane (ppb)	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Chloroform (ppb)	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Ethylene Dichloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Methyl Chloroform (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Carbon Tetrachloride (ppb)	0.11	0.09	0.08	0.09	0.10	0.09	0.10	0.11	0.11	0.10
Trichloroethylene (ppb)	0.01	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Ethylene Dibromide (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Perchloroethylene (ppb)	0.009	0.006	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.005
Formaldehyde (μg/m3)	0.93	0.76	0.55	0.87	1.29	1.03	1.49	1.13	1.30	2.17
Acetaldehyde (μg/m3)	0.69	0.92	0.33	0.68	0.91	0.75	1.28	0.81	0.73	1.33
METALS										
Aluminum (ng/m^3)	9.07	7.08	3.94	4.83	12.01	5.11	15.70	10.19	20.11	26.17
Silicon (ng/m^3)	38.37	24.98	16.70	22.74	46.60	22.18	54.68	36.15	65.10	75.04
Phosphorus (ng/m^3)	0.69	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Sulfur (ng/m^3)	27.18	34.24	16.81	15.89	21.68	34.51	42.55	23.50	24.59	30.57
Chlorine (ng/m^3)	29.73	126.08	101.52	95.35	112.88	182.14	40.13	68.35	164.05	57.22
Potassium (ng/m^3)	8.40	10.66	6.46	7.91	13.94	8.93	10.88	8.27	12.25	12.49
Calcium (ng/m^3)	73.56	33.27	11.83	29.85	65.16	23.19	40.53	25.28	51.77	33.84
Titanium (ng/m^3)	1.65	1.06	0.63	1.02	1.86	1.12	2.38	1.42	2.97	3.23
Vanadium (ng/m^3)	0.19	0.10	0.06	0.05	0.13	0.12	0.10	0.10	0.25	0.16
Chromium (ng/m^3)	0.13	0.06	0.04	0.06	0.07	0.04	0.08	0.05	0.16	0.15
Manganese (ng/m^3)	0.27	0.24	0.11	0.18	0.50	0.24	0.56	0.32	0.55	0.66
Iron (ng/m^3)	20.91	11.57	7.66	12.02	18.60	9.17	24.80	12.93	28.34	34.86
Cobalt (ng/m^3)	0.12	0.08	0.05	0.06	0.04	<MDL	0.06	<MDL	0.07	0.04
Nickel (ng/m^3)	0.07	0.05	<MDL	<MDL	0.08	0.05	0.07	0.06	0.22	0.10
Copper (ng/m^3)	0.42	0.16	0.18	0.29	0.33	0.18	0.48	0.25	0.49	0.55
Zinc (ng/m^3)	0.88	0.54	0.30	0.44	0.39	0.22	1.03	0.16	0.61	1.30
Arsenic (ng/m^3)	<MDL	<MDL	<MDL	<MDL	0.01	0.03	<MDL	<MDL	<MDL	0.02
Selenium (ng/m^3)	0.03	0.02	<MDL	0.03	0.04	0.04	<MDL	<MDL	0.03	0.04
Bromine (ng/m^3)	0.13	0.20	0.19	0.20	0.28	0.42	0.28	0.22	0.28	0.22
Rubidium (ng/m^3)	0.03	0.03	<MDL	<MDL	<MDL	<MDL	<MDL	0.04	<MDL	<MDL
Strontium (ng/m^3)	0.32	0.23	0.16	0.21	0.29	0.23	0.29	0.21	0.40	0.31
Yttrium (ng/m^3)	<MDL	<MDL	<MDL	<MDL	0.06	<MDL	0.05	<MDL	<MDL	<MDL
Molybdenum (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Tin (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.52
Antimony (ng/m^3)	<MDL	0.26	<MDL	<MDL	<MDL	<MDL	0.44	<MDL	<MDL	<MDL
Barium (ng/m^3)	2.07	0.96	0.61	0.85	<MDL	<MDL	<MDL	<MDL	<MDL	0.92
Mercury (ng/m^3)	<MDL	0.04	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lead (ng/m^3)	0.19	0.21	<MDL	0.07	0.09	0.10	0.22	0.13	0.16	0.22
Total Atmospheric Mercury (μg/m3)	0.004	0.002	0.002	0.003	0.002	0.002	0.003	0.002	0.002	0.002

<MDL indicates less than Method Detection Limit. In order to calculate averages, 1/2 the MDL is used

In April, the BAAQMD began analysis of metals with an associated change in MDL

Cupertino Toxic Gasses and Metals Sampling Data with Comparison to San Jose

Compound	5/9/2011	5/15/2011	5/21/2011	5/27/2011	6/2/2011	6/8/2011	6/14/2011	6/20/2011	6/26/2011	7/2/2011
GASSES										
Benzene (ppb)	0.12	0.07	0.08	0.06	0.06	0.07	0.11	0.10	0.08	0.10
Vinyl Chloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
1,3 Butadiene (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Acetone (ppb)	1.82	1.59	1.27	1.14	2.27	0.67	0.53	1.65	0.72	1.18
Methyl Ethyl Ketone (ppb)	0.10	<MDL	0.13	0.11	0.31	<MDL	0.10	0.16	0.11	0.26
Toluene (ppb)	0.21	0.12	0.12	0.09	0.04	0.10	0.24	0.29	0.16	0.29
Ethylbenzene (ppb)	0.04	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.05	<MDL	<MDL
M&P Xylene (ppb)	0.12	0.08	0.05	0.04	0.06	0.04	0.10	0.16	0.07	0.08
O Xylene (ppb)	0.04	<MDL	<MDL	<MDL	0.04	<MDL	0.04	0.05	<MDL	0.06
Trichlorofluoromethane (ppb)	0.18	0.18	0.17	0.16	0.15	0.16	0.18	0.09	0.08	0.09
Methylene Chloride (ppb)	0.12	<MDL	<MDL	0.10	<MDL	<MDL	0.12	0.10	<MDL	0.13
12_Trichlorotrifluoroethane (ppb)	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.05
Chloroform (ppb)	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03
Ethylene Dichloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Methyl Chloroform (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Carbon Tetrachloride (ppb)	0.08	0.09	0.09	0.08	0.09	0.09	0.08	0.09	0.09	0.09
Trichloroethylene (ppb)	0.01	<MDL	0.01	0.01	0.01	<MDL	0.01	0.02	0.01	0.01
Ethylene Dibromide (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Perchloroethylene (ppb)	0.006	<MDL	0.005	<MDL	<MDL	<MDL	0.009	0.007	0.005	0.010
Formaldehyde (μg/m3)	1.19	0.62	1.21	0.88	0.81	1.28	2.76	4.21	2.03	3.60
Acetaldehyde (μg/m3)	0.72	0.38	0.71	0.43	0.44	0.60	2.03	1.94	1.05	1.81
METALS										
Aluminum (ng/m^3)	18.08	6.53	14.17	13.47	13.52	20.72	22.49	28.12	7.23	18.24
Silicon (ng/m^3)	49.92	8.68	34.78	31.73	33.01	52.72	62.42	81.64	15.78	49.31
Phosphorus (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.66	<MDL	<MDL
Sulfur (ng/m^3)	15.20	12.26	30.23	29.08	17.11	40.24	30.51	20.64	26.50	38.24
Chlorine (ng/m^3)	96.23	50.00	141.37	125.33	38.80	197.55	156.48	51.61	138.79	180.93
Potassium (ng/m^3)	9.27	3.07	9.47	7.27	4.76	11.99	12.65	11.56	8.85	13.93
Calcium (ng/m^3)	46.01	7.04	31.87	34.04	50.74	41.58	46.70	80.69	25.48	40.72
Titanium (ng/m^3)	2.35	0.34	1.68	1.36	1.56	2.83	3.23	3.52	1.48	2.51
Vanadium (ng/m^3)	0.12	<MDL	0.07	0.12	0.13	0.12	0.12	0.23	0.13	0.12
Chromium (ng/m^3)	0.09	0.03	0.10	0.07	0.07	0.08	0.23	0.17	0.08	0.12
Manganese (ng/m^3)	0.44	0.10	0.30	0.27	0.25	0.44	0.63	0.76	0.24	0.43
Iron (ng/m^3)	21.96	2.84	14.47	13.54	16.25	23.72	36.45	39.46	15.99	24.72
Cobalt (ng/m^3)	<MDL	<MDL	<MDL	0.04	<MDL	0.04	<MDL	0.06	0.05	0.06
Nickel (ng/m^3)	0.07	<MDL	0.07	0.04	0.05	0.07	0.10	0.10	0.06	0.06
Copper (ng/m^3)	0.25	0.11	0.27	0.20	0.18	0.39	0.87	0.75	0.45	0.67
Zinc (ng/m^3)	0.95	0.22	0.52	0.46	0.50	0.79	1.24	1.19	0.59	1.10
Arsenic (ng/m^3)	<MDL	<MDL	0.01	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.03
Selenium (ng/m^3)	0.02	<MDL	0.02	0.02	0.02	0.04	0.06	0.06	0.05	0.08
Bromine (ng/m^3)	0.24	0.10	0.32	0.20	0.11	0.48	0.42	0.25	0.39	0.52
Rubidium (ng/m^3)	0.06	<MDL	<MDL	<MDL	0.03	0.05	0.05	0.06	0.02	0.02
Strontium (ng/m^3)	0.29	0.08	0.28	0.22	0.22	0.40	0.44	0.46	0.30	0.42
Yttrium (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	0.04	0.03	0.03	<MDL	<MDL
Molybdenum (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Tin (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Antimony (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Barium (ng/m^3)	0.75	<MDL	0.54	0.59	0.71	0.79	1.52	1.58	0.52	0.87
Mercury (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lead (ng/m^3)	0.12	<MDL	0.10	0.05	<MDL	0.11	0.31	0.34	0.13	0.12
Total Atmospheric Mercury (μg/m3)	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003

<MDL indicates less than Method Detection Limit. In order to calculate averages, 1/2 the MDL is used

In April, the BAAQMD began analysis of metals with an associated change in MDL

July 26, 2011 Total Atmoshperic Mercury sample could not be analyzed due to laboratory error

Cupertino Toxic Gasses and Metals Sampling Data with Comparison to San Jose

Compound	7/8/2011	7/14/2011	7/20/2011	7/26/2011	8/1/2011	8/7/2011††	8/13/2011	8/19/2011	8/25/2011	8/31/2011
GASSES										
Benzene (ppb)	0.12	0.04	0.11	0.08	0.05	0.11	0.11	0.10	0.10	0.11
Vinyl Chloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
1,3 Butadiene (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	0.11	0.07	<MDL	<MDL	0.09
Acetone (ppb)	2.20	3.67	0.84	0.60	0.41	2.67	5.94	3.02	1.15	1.06
Methyl Ethyl Ketone (ppb)	0.17	0.44	0.10	<MDL	<MDL	0.27	0.59	0.15	0.16	0.14
Toluene (ppb)	0.31	0.17	0.20	0.20	0.08	0.30	0.38	0.34	0.22	0.26
Ethylbenzene (ppb)	0.05	<MDL	<MDL	<MDL	<MDL	0.04	<MDL	<MDL	<MDL	0.04
M&P Xylene (ppb)	0.12	0.05	0.05	0.05	<MDL	0.14	0.11	0.09	0.09	0.11
O Xylene (ppb)	0.05	<MDL	<MDL	<MDL	<MDL	0.04	<MDL	<MDL	0.16	0.06
Trichlorofluoromethane (ppb)	0.17	0.18	0.09	0.07	0.08	0.25	0.28	0.28	0.26	0.26
Methylene Chloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	0.10	<MDL	<MDL	<MDL	<MDL
12_Trichlorotrifluoroethane (ppb)	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.07	0.06
Chloroform (ppb)	0.04	0.04	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01
Ethylene Dichloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Methyl Chloroform (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Carbon Tetrachloride (ppb)	0.09	0.11	0.10	0.10	0.09	0.09	0.10	0.10	0.11	0.09
Trichloroethylene (ppb)	0.02	0.01	0.01	0.01	<MDL	0.01	0.01	0.01	0.01	<MDL
Ethylene Dibromide (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Perchloroethylene (ppb)	0.016	<MDL	<MDL	<MDL	<MDL	0.008	0.006	0.006	0.012	0.009
Formaldehyde (μg/m3)	3.12	0.93	3.04	1.97	1.93	1.52	2.46	1.95	2.1	2.09
Acetaldehyde (μg/m3)	4.73	1.15	1.52	1.65	0.86	0.78	1.8	1.26	1.21	1.8
METALS										
Aluminum (ng/m^3)	26.15	16.30	29.10	23.59	21.48	12.67	18.62	47.75	27.08	30.82
Silicon (ng/m^3)	78.12	41.84	85.47	66.58	57.22	29.06	53.79	145.29	78.27	88.54
Phosphorus (ng/m^3)	<MDL	<MDL	<MDL	<MDL	0.93	<MDL	<MDL	<MDL	1.47	<MDL
Sulfur (ng/m^3)	39.59	25.03	27.15	26.60	62.87	56.96	46.79	60.44	25.48	50.25
Chlorine (ng/m^3)	170.37	51.53	100.30	68.00	15.73	66.23	133.32	106.04	16.77	104.08
Potassium (ng/m^3)	16.63	5.98	13.16	10.72	8.52	6.78	12.63	19.40	9.92	13.67
Calcium (ng/m^3)	52.98	39.46	100.63	39.85	29.57	17.51	34.48	132.00	43.59	62.15
Titanium (ng/m^3)	4.09	2.50	4.29	3.14	2.86	1.35	2.72	8.13	3.95	4.86
Vanadium (ng/m^3)	0.18	0.14	0.30	0.20	0.20	0.05	0.14	0.37	0.22	0.19
Chromium (ng/m^3)	0.22	0.11	0.20	0.19	0.17	0.09	0.15	0.20	0.15	0.26
Manganese (ng/m^3)	0.81	0.33	0.81	0.57	0.54	0.28	0.47	1.48	0.77	0.89
Iron (ng/m^3)	45.94	20.16	50.01	34.05	28.83	14.72	28.18	69.43	43.98	49.34
Cobalt (ng/m^3)	0.07	0.05	<MDL	0.06	<MDL	<MDL	0.04	0.09	0.05	0.06
Nickel (ng/m^3)	0.11	0.05	0.14	0.10	0.12	0.04	0.08	0.14	0.12	0.13
Copper (ng/m^3)	0.99	0.19	0.90	0.70	0.54	0.35	0.64	0.67	0.85	0.73
Zinc (ng/m^3)	1.62	0.57	1.46	1.06	0.83	0.93	0.96	2.07	1.43	1.29
Arsenic (ng/m^3)	<MDL	<MDL	0.01	0.01	<MDL	0.02	<MDL	<MDL	<MDL	<MDL
Selenium (ng/m^3)	0.10	0.03	0.05	0.02	0.02	0.06	0.08	0.07	0.02	0.03
Bromine (ng/m^3)	0.52	0.15	0.35	0.34	0.24	0.28	0.44	0.48	0.19	0.27
Rubidium (ng/m^3)	0.04	<MDL	0.04	0.04	0.03	0.02	0.03	0.09	0.05	0.02
Strontium (ng/m^3)	0.60	0.26	0.58	0.35	0.27	0.15	0.37	0.68	0.36	0.44
Yttrium (ng/m^3)	0.04	<MDL	0.03	<MDL	<MDL	<MDL	<MDL	0.03	0.03	0.04
Molybdenum (ng/m^3)	<MDL	<MDL	<MDL	0.06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Tin (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.36
Antimony (ng/m^3)	<MDL	0.50	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.56
Barium (ng/m^3)	1.81	0.52	2.18	1.33	0.82	0.51	0.98	2.28	1.35	1.62
Mercury (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lead (ng/m^3)	0.26	<MDL	0.14	0.18	0.17	0.06	0.16	0.23	0.17	0.17
Total Atmospheric Mercury (μg/m3)	0.003	0.002	0.003	N/A	0.002	0.002	0.002	0.002	0.002	0.002

††Gaseous Sample Collected on 8/9/2011

<MDL indicates less than Method Detection Limit. In order to calculate averages, 1/2 the MDL is used

In April, the BAAQMD began analysis of metals with an associated change in MDL

Cupertino Toxic Gasses and Metals Sampling Data with Comparison to San Jose

Compound	9/6/2011	9/12/2011	9/18/2011	9/24/2011	9/30/2011	10/6/2011	10/12/2011	10/18/2011	10/24/2011[#]	10/30/2011
GASSES										
Benzene (ppb)	0.14	0.08	0.14	0.07	0.08	0.08	0.12	0.16	0.16	0.21
Vinyl Chloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
1,3 Butadiene (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Acetone (ppb)	1.34	1.55	3.89	2.32	1.42	0.95	3.85	1.61	1.33	1.76
Methyl Ethyl Ketone (ppb)	0.17	0.16	0.48	0.15	0.16	0.10	0.47	0.16	0.21	0.16
Toluene (ppb)	0.35	0.19	0.41	0.15	0.20	0.17	0.40	0.34	0.32	0.31
Ethylbenzene (ppb)	0.05	<MDL	0.05	<MDL	<MDL	<MDL	<MDL	0.05	0.05	0.05
M&P Xylene (ppb)	0.14	0.09	0.17	0.06	0.08	0.08	0.13	0.15	0.13	0.12
O Xylene (ppb)	0.08	<MDL	0.06	<MDL	<MDL	<MDL	0.12	0.06	0.05	0.05
Trichlorofluoromethane (ppb)	0.24	0.29	0.22	0.20	0.20	0.19	0.24	0.26	0.26	0.16
Methylene Chloride (ppb)	<MDL	0.14	0.18	<MDL	<MDL	<MDL	0.25	0.18	0.10	<MDL
12_Trichlorotrifluoroethane (ppb)	0.07	0.07	0.06	0.07	0.07	0.07	0.08	0.08	0.08	0.05
Chloroform (ppb)	<MDL	0.02	0.04	0.03	0.03	0.02	<MDL	<MDL	0.01	0.02
Ethylene Dichloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Methyl Chloroform (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Carbon Tetrachloride (ppb)	0.09	0.11	0.09	0.09	0.08	0.09	0.10	0.11	0.09	0.07
Trichloroethylene (ppb)	0.01	0.01	0.01	<MDL	0.01	<MDL	0.01	0.01	0.01	0.01
Ethylene Dibromide (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Perchloroethylene (ppb)	0.010	0.006	0.011	0.005	0.006	<MDL	0.006	0.012	0.010	0.006
Formaldehyde (μg/m3)	3.58	2.05	3.64	2.03	1.83	0.91	2.73	2.41	3.31	3.67
Acetaldehyde (μg/m3)	2.56	1.17	1.82	1.13	1.29	0.64	2.82	2.29	1.93	2.15
METALS										
Aluminum (ng/m^3)	96.33	28.39	30.00	26.02	27.19	7.40	19.47	27.68	29.44	30.61
Silicon (ng/m^3)	353.76	79.06	83.78	67.94	73.07	12.78	51.60	79.68	86.06	85.92
Phosphorus (ng/m^3)	14.51	1.47	2.47	1.19	2.15	<MDL	3.59	2.81	1.07	3.78
Sulfur (ng/m^3)	71.76	101.97	32.94	17.12	55.02	11.96	19.80	42.25	45.56	28.76
Chlorine (ng/m^3)	9.79	18.62	28.04	19.66	8.81	78.07	6.40	16.12	47.45	5.10
Potassium (ng/m^3)	37.77	12.90	13.21	9.45	10.19	5.18	9.83	11.71	14.13	13.30
Calcium (ng/m^3)	400.16	43.61	91.74	42.76	51.52	9.31	34.81	54.78	70.91	90.39
Titanium (ng/m^3)	19.35	3.86	3.84	3.39	3.72	0.63	3.17	6.54	4.04	3.59
Vanadium (ng/m^3)	0.71	0.23	0.32	0.17	0.19	<MDL	0.15	0.30	0.30	0.23
Chromium (ng/m^3)	0.80	0.12	0.17	0.13	0.17	0.04	0.11	0.22	0.18	0.18
Manganese (ng/m^3)	3.19	0.75	0.78	0.64	0.69	0.16	0.53	0.88	0.81	0.90
Iron (ng/m^3)	170.77	41.19	47.02	32.87	36.28	7.97	28.46	47.86	47.17	41.87
Cobalt (ng/m^3)	0.39	<MDL	0.06	0.04	<MDL	<MDL	0.03	<MDL	0.06	<MDL
Nickel (ng/m^3)	0.48	0.12	0.15	0.08	0.14	0.06	0.06	0.16	0.22	0.11
Copper (ng/m^3)	1.40	0.69	0.71	0.64	0.40	0.40	0.53	0.95	1.01	0.74
Zinc (ng/m^3)	4.08	1.18	0.93	0.90	0.83	0.51	1.23	2.20	3.19	1.07
Arsenic (ng/m^3)	0.08	0.03	<MDL	0.02	0.03	<MDL	0.02	0.04	0.02	0.02
Selenium (ng/m^3)	0.10	0.09	0.03	0.02	0.04	0.02	0.08	0.11	0.07	0.05
Bromine (ng/m^3)	0.30	0.26	0.26	0.15	0.17	0.19	0.15	0.27	0.46	0.29
Rubidium (ng/m^3)	0.25	0.07	0.06	0.03	0.06	<MDL	0.07	0.03	0.04	0.03
Strontium (ng/m^3)	1.81	0.37	0.49	0.32	0.37	0.13	0.28	0.40	0.51	0.48
Yttrium (ng/m^3)	0.14	<MDL	0.03	<MDL	<MDL	<MDL	<MDL	0.04	0.03	<MDL
Molybdenum (ng/m^3)	<MDL	<MDL	0.08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Tin (ng/m^3)	<MDL	0.47	0.45	<MDL	<MDL	<MDL	<MDL	0.48	<MDL	<MDL
Antimony (ng/m^3)	<MDL	0.47	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Barium (ng/m^3)	8.77	1.37	1.45	1.15	1.27	0.30	1.00	1.68	1.92	1.55
Mercury (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lead (ng/m^3)	0.60	0.08	0.20	0.07	0.12	0.05	0.09	0.19	0.20	0.27
Total Atmospheric Mercury (μg/m3)	0.002	0.002	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.002

[#]Gaseous Sample Collected on 10/27/11

<MDL indicates less than Method Detection Limit. In order to calculate averages, 1/2 the MDL is used

In April, the BAAQMD began analysis of metals with an associated change in MDL

Cupertino Toxic Gasses and Metals Sampling Data with Comparison to San Jose

Compound	11/5/2011	11/11/2011	11/17/2011	11/23/2011	11/29/2011	12/5/2011	12/11/2011	12/17/2011	12/23/2011	12/29/2011
GASSES										
Benzene (ppb)	0.13	0.14	0.11	0.10	0.36	0.20	0.20	0.16	0.18	0.12
Vinyl Chloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
1,3 Butadiene (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Acetone (ppb)	1.80	1.53	1.75	1.61	1.63	1.49	1.65	2.36	0.66	0.98
Methyl Ethyl Ketone (ppb)	0.21	0.16	0.10	0.18	0.15	0.13	0.18	0.24	<MDL	<MDL
Toluene (ppb)	0.16	0.15	0.21	0.15	0.70	0.29	0.28	0.26	0.25	0.22
Ethylbenzene (ppb)	<MDL	<MDL	<MDL	0.04	0.10	0.05	0.04	0.05	0.04	0.04
M&P Xylene (ppb)	0.05	0.07	0.10	0.05	0.36	0.13	0.11	0.10	0.13	0.11
O Xylene (ppb)	<MDL	<MDL	0.04	<MDL	0.14	0.05	0.05	0.04	0.05	0.04
Trichlorofluoromethane (ppb)	0.19	0.19	0.18	0.18	0.28	0.20	0.25	0.24	0.23	0.22
Methylene Chloride (ppb)	0.10	<MDL	<MDL	<MDL	0.24	0.18	0.15	0.14	0.13	<MDL
12_Trichlorotrifluoroethane (ppb)	0.06	0.06	0.05	0.05	0.07	0.06	0.06	0.06	0.06	0.06
Chloroform (ppb)	0.02	0.02	0.01	0.01	0.02	0.01	0.03	0.01	0.01	0.01
Ethylene Dichloride (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Methyl Chloroform (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Carbon Tetrachloride (ppb)	0.09	0.08	0.07	0.07	0.12	0.09	0.10	0.10	0.09	0.09
Trichloroethylene (ppb)	0.01	0.01	0.01	<MDL	0.01	0.01	0.01	0.01	0.01	0.01
Ethylene Dibromide (ppb)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Perchloroethylene (ppb)	0.005	0.007	0.005	<MDL	0.021	0.006	0.009	0.008	0.007	0.007
Formaldehyde (μg/m3)	0.72	1.21	1.06	0.73	1.80	1.66	1.64	1.80	1.68	1.38
Acetaldehyde (μg/m3)	0.67	0.68	1.00	0.50	1.90	1.33	1.34	1.82	1.32	1.26
METALS										
Aluminum (ng/m^3)	7.94	14.29	17.41	11.14	16.91	33.30	17.17	19.50	25.06	18.32
Silicon (ng/m^3)	15.40	33.39	47.09	25.97	45.18	98.38	44.33	52.25	70.41	52.62
Phosphorus (ng/m^3)	<MDL	0.87	1.17	<MDL	3.36	4.05	<MDL	2.96	3.95	3.11
Sulfur (ng/m^3)	13.85	25.48	18.88	13.93	53.65	14.26	33.26	11.68	10.30	27.80
Chlorine (ng/m^3)	102.77	8.07	17.75	35.53	9.62	9.01	27.08	4.30	7.77	14.44
Potassium (ng/m^3)	5.90	6.78	6.49	4.68	7.85	14.37	11.42	9.59	9.32	7.38
Calcium (ng/m^3)	26.36	18.07	53.46	19.83	73.70	104.52	26.49	79.25	120.45	104.83
Titanium (ng/m^3)	0.68	1.37	2.36	1.17	2.11	4.21	1.88	2.27	3.02	2.77
Vanadium (ng/m^3)	<MDL	0.06	0.16	0.10	0.24	0.20	0.07	0.22	0.18	0.18
Chromium (ng/m^3)	0.03	0.10	0.08	0.09	0.17	0.19	0.12	0.12	0.19	0.21
Manganese (ng/m^3)	0.16	0.31	0.44	0.24	0.60	0.93	0.47	0.56	0.65	0.59
Iron (ng/m^3)	7.64	15.82	28.86	14.28	31.81	46.02	23.85	29.38	37.78	34.48
Cobalt (ng/m^3)	<MDL	0.03	0.03	0.04	0.06	0.05	0.06	0.08	0.08	0.07
Nickel (ng/m^3)	0.03	0.07	0.06	0.13	0.14	0.14	0.07	0.09	0.16	0.13
Copper (ng/m^3)	0.26	0.46	0.61	0.28	0.86	0.54	0.70	0.61	0.70	0.88
Zinc (ng/m^3)	0.42	0.53	1.06	0.56	1.61	1.48	1.19	0.87	1.01	1.39
Arsenic (ng/m^3)	<MDL	0.02	<MDL	<MDL	0.05	0.03	0.03	0.01	<MDL	0.05
Selenium (ng/m^3)	<MDL	0.02	0.02	<MDL	0.17	0.03	0.08	0.03	0.06	0.02
Bromine (ng/m^3)	0.37	0.21	0.18	0.09	0.32	0.19	0.42	0.21	0.14	0.37
Rubidium (ng/m^3)	<MDL	0.03	0.02	<MDL	0.03	0.05	<MDL	0.05	0.03	0.03
Strontium (ng/m^3)	0.19	0.11	0.46	0.14	0.36	0.47	0.26	0.42	0.54	0.53
Yttrium (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	0.06	<MDL	0.05	<MDL	0.03
Molybdenum (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Tin (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Antimony (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Barium (ng/m^3)	0.36	0.76	1.12	0.50	1.67	1.57	1.13	1.42	1.49	1.58
Mercury (ng/m^3)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lead (ng/m^3)	0.05	0.15	0.05	0.06	0.20	0.28	0.20	0.21	0.27	0.13
Total Atmospheric Mercury (μg/m3)	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.002

<MDL indicates less than Method Detection Limit. In order to calculate averages, 1/2 the MDL is used

In April, the BAAQMD began analysis of metals with an associated change in MDL

Cupertino Toxic Gasses and Metals Sampling Data with Comparison to San Jose

Compound	MDL[1]	Cupertino 9/2010-12/2011 Max	Cupertino 9/2010-12/2011 Min	Cupertino 9/2010-12/2011 Avg.	San Jose 2009 Max	San Jose 2009 Min	San Jose 2009 Avg.
GASSES							
Benzene (ppb)	0.02	0.36	0.04	0.15	1.2	0.07	0.332
Vinyl Chloride (ppb)	0.10	<MDL	<MDL	0.05	N/A	N/A	N/A
1,3 Butadiene (ppb)	0.06	0.11	<MDL	0.03	0.37	0.02	0.08
Acetone (ppb)	0.10	9.43	0.41	2.03	12	2.1	5.65
Methyl Ethyl Ketone (ppb)	0.10	0.89	<MDL	0.20	0.2	0.05	0.09
Toluene (ppb)	0.04	0.90	<MDL	0.27	3.6	0.1	0.9
Ethylbenzene (ppb)	0.04	0.10	<MDL	0.04	0.5	0.1	0.17
M&P Xylene (ppb)	0.04	0.39	<MDL	0.13	2.1	0.1	0.53
O Xylene (ppb)	0.04	0.16	<MDL	0.05	0.7	0.05	0.2
Trichlorofluoromethane (ppb)	0.01	0.29	0.07	0.19	N/A	N/A	N/A
Methylene Chloride (ppb)	0.10	0.31	<MDL	0.10	0.4	0.05	0.15
12_Trichlorotrifluoroethane (ppb)	0.01	0.08	0.04	0.06	N/A	N/A	N/A
Chloroform (ppb)	0.01	0.08	<MDL	0.02	0.05	0.01	0.023
Ethylene Dichloride (ppb)	0.10	<MDL	<MDL	0.05	N/A	N/A	N/A
Methyl Chloroform (ppb)	0.03	<MDL	<MDL	0.02	0.03	0.01	0.014
Carbon Tetrachloride (ppb)	0.01	0.13	0.07	0.10	N/A	N/A	N/A
Trichloroethylene (ppb)	0.01	0.03	<MDL	0.01	0.05	0.01	0.013
Ethylene Dibromide (ppb)	0.01	<MDL	<MDL	0.01	N/A	N/A	N/A
Perchloroethylene (ppb)	0.005	0.02	<MDL	0.01	0.16	0.005	0.036
Formaldehyde (μg/m3)	0.04	5.67	0.55	1.77	6.83	0.27	2.34
Acetaldehyde (μg/m3)	0.02	4.73	0.33	1.19	4.91	0.39	1.57
METALS							
Aluminum (ng/m^3)	0.31	96.33	0.64	19.15	N/A	N/A	N/A
Silicon (ng/m^3)	0.23	353.76	8.25	60.40	N/A	N/A	N/A
Phosphorus (ng/m^3)	0.10	14.51	0.03	1.08	N/A	N/A	N/A
Sulfur (ng/m^3)	0.08	101.97	3.34	29.12	1100	81	445
Chlorine (ng/m^3)	0.06	344.52	1.52	61.74	N/A	N/A	N/A
Potassium (ng/m^3)	0.05	37.77	3.07	11.02	N/A	N/A	N/A
Calcium (ng/m^3)	0.06	400.16	7.04	54.72	N/A	N/A	N/A
Titanium (ng/m^3)	0.04	19.35	0.34	2.99	21	4.5	7.6
Vanadium (ng/m^3)	0.03	0.71	<MDL	0.18	2.8	0.75	1.07
Chromium (ng/m^3)	0.03	0.80	0.02	0.15	5	1.5	2.5
Manganese (ng/m^3)	0.02	3.19	0.07	0.59	22	0.75	6.63
Iron (ng/m^3)	0.05	170.77	2.84	32.01	840	75	337
Cobalt (ng/m^3)	0.03	0.76	<MDL	0.11	0.75	0.75	0.75
Nickel (ng/m^3)	0.03	0.48	<MDL	0.10	36	4.5	5.7
Copper (ng/m^3)	0.05	1.72	0.11	0.58	26	3.2	10
Zinc (ng/m^3)	0.05	4.08	0.16	1.04	62	4.5	27
Arsenic (ng/m^3)	0.01	0.08	<MDL	0.02	0.75	0.75	0.75
Selenium (ng/m^3)	0.02	0.17	<MDL	0.04	0.75	0.75	0.75
Bromine (ng/m^3)	0.04	0.86	0.03	0.26	N/A	N/A	N/A
Rubidium (ng/m^3)	0.02	0.25	0.01	0.04	N/A	N/A	N/A
Strontium (ng/m^3)	0.03	1.81	0.08	0.35	7.8	0.75	4.41
Yttrium (ng/m^3)	0.03	0.14	<MDL	0.02	N/A	N/A	N/A
Molybdenum (ng/m^3)	0.06	0.08	<MDL	0.04	0.75	0.75	0.75
Tin (ng/m^3)	0.33	0.52	0.10	0.18	3.1	1.5	1.6
Antimony (ng/m^3)	0.43	0.69	0.13	0.21	5	1.5	1.8
Barium (ng/m^3)	0.12	8.77	0.06	1.43	N/A	N/A	N/A
Mercury (ng/m^3)	0.10	0.05	0.02	0.04	N/A	N/A	N/A
Lead (ng/m^3)	0.04	0.60	<MDL	0.15	9.6	0.75	4.13
Total Atmospheric Mercury (μg/m3)	0.00036	0.005	0.000	0.002	N/A	N/A	N/A

[1]MDL is the Method Dectection Limit

<MDL indicates less than Method Detection Limit. In order to calculate averages, 1/2 the MDL is used

In April, the BAAQMD began analysis of metals with an associated change in MDL