Table 4
Indoor, Pathway and Ambient Air Analytical Results - December 2012 to April 2013
Buildings 9, 19, 39, C, E, F, and G
Texas Instruments Incorporated
Santa Clara, California
Project: 750620701

Chemical of Concern	Sample Date	Vinyl Chloride	Chloro-ethane	Trichloro-fluro-methane	1,1-DCE	Methylene Chloride	1,1-DCA	cis-1,2-DCE	Chloroform	1,2-DCA	1,1,1-TCA	Chloro-benzene	1,2-DCB	1,4-DCB	1,1,2-TCA	Toluene	TCE	PCE	Ethyl-benzene	Total Xylenes	trans-1,2-DCE	Freon 113
Unit		(µg/m^3)																				
Building 9 with HVAC																						
IA1-9-2012-12-13	12/13/12	< 0.031	< 0.27	1.2	< 0.02	0.47	< 0.41	< 0.4	0.23	0.12	< 0.55	< 0.47	< 0.61	0.066	< 0.098	1.4	0.13	0.1	0.3	1.4	< 0.4	< 0.78
IA2-9-2012-12-13	12/13/12	< 0.031	< 0.27	1.6	< 0.02	0.57	< 0.41	< 0.4	0.26	0.18	< 0.55	< 0.47	< 0.61	0.077	< 0.098	1.6	0.59	0.54	0.36	1.6	< 0.4	< 0.78
IA3-9-2012-12-13	12/13/12	< 0.031	< 0.27	1.4	< 0.02	0.45	< 0.41	< 0.4	0.16	0.094	< 0.55	< 0.47	< 0.61	0.052	< 0.098	1.3	0.12	0.069	0.28	1.3	< 0.4	< 0.78
IA4-9-2012-12-13	12/13/12	< 0.031	< 0.27	1.4	< 0.02	0.67	< 0.41	< 0.4	0.11	0.13	< 0.55	< 0.47	< 0.61	0.052	< 0.098	1.2	0.096	0.084	0.26	1.2	< 0.4	< 0.78
Building 9 without HVAC																						
IA1-9-2012-12-30	12/30/12	< 0.031	< 0.27	1.5	< 0.02	0.38	< 0.41	< 0.4	0.37	0.39	< 0.55	< 0.47	< 0.61	0.071	< 0.098	1.6	1.7	0.46	0.33	1.5	< 0.4	< 0.78
IA2-9-2012-12-30	12/30/12	< 0.031	< 0.27	1.4	< 0.02	0.43	< 0.41	< 0.4	0.21	0.085	< 0.55	< 0.47	< 0.61	0.074	< 0.098	1.1	0.27	0.14	0.22	1.0	< 0.4	< 0.78
IA3-9-2012-12-30	12/30/12	< 0.031	< 0.27	1.8	< 0.02	0.49	< 0.41	< 0.4	0.29	0.43	< 0.55	< 0.47	< 0.61	0.079	< 0.098	2.3	1.8	0.58	0.43	1.9	< 0.4	< 0.78
IA4-9-2012-12-30	12/30/12	< 0.031	< 0.27	1.4	< 0.02	0.37	< 0.41	< 0.4	0.20	**0.66**	< 0.55	< 0.47	< 0.61	0.065	< 0.098	1.7	1.7	0.42	0.36	1.6	< 0.4	< 0.78
Building 19 with HVAC																						
IA1-19-2012-12-13	12/13/12	< 0.031	< 0.27	1.5	< 0.02	0.84	< 0.41	< 0.4	0.18	0.078	< 0.55	< 0.47	< 0.61	0.088	< 0.098	9.1	0.91	0.14	2.0	11	< 0.4	< 0.78
IA2-19-2012-12-13	12/13/12	< 0.031	< 0.27	1.8	< 0.02	0.9	< 0.41	< 0.4	0.24	0.079	< 0.55	< 0.47	< 0.61	0.085	< 0.098	8.1	0.98	0.15	1.8	9.3	< 0.4	< 0.78
IA3-19-2012-12-13	12/13/12	< 0.031	< 0.27	1.7	< 0.02	0.87	< 0.41	< 0.4	0.16	0.081	< 0.55	< 0.47	< 0.61	0.080	< 0.098	11	0.94	0.15	2.4	13	< 0.4	< 0.78
PS1-19-2012-12-13	12/13/12	< 0.031	< 0.27	1.2	< 0.02	0.93	< 0.41	< 0.4	0.17	0.088	< 0.55	< 0.47	< 0.61	0.085	< 0.098	12	1.2	0.16	2.6	13	< 0.4	< 0.78
Building 19 without HVAC																						
IA1-19-2012-12-30	12/30/12	< 0.031	< 0.27	1.8	< 0.02	1.2	< 0.41	< 0.4	0.21	0.11	< 0.55	< 0.47	< 0.61	0.082	< 0.098	10	2.1	0.31	2.0	10	< 0.4	0.88
IA2-19-2012-12-30	12/30/12	< 0.031	< 0.27	1.7	0.039	1.2	< 0.41	< 0.4	0.16	0.099	< 0.55	< 0.47	< 0.61	0.090	< 0.098	9.3	1.3	0.22	1.8	8.9	< 0.4	0.86
IA3-19-2012-12-30	12/30/12	< 0.031	< 0.27	1.7	0.050	1.9	< 0.41	< 0.4	0.17	0.11	1.2	< 0.47	< 0.61	0.095	< 0.098	16	1.8	0.21	3.1	16	< 0.4	0.97
PS1-19-2012-12-30	12/30/12	< 0.031	< 0.27	1.7	0.056	1.2	< 0.41	< 0.4	0.23	0.11	0.56	< 0.47	< 0.61	0.092	< 0.098	10	1.9	0.29	2.0	10	< 0.4	0.92
Building 39 with HVAC																						
IA1-39-2012-12-18	12/18/12	< 0.031	< 0.27	1.3	< 0.02	0.47	< 0.41	< 0.4	0.12	0.080	< 0.55	< 0.47	< 0.61	0.14	< 0.098	1.5	0.31	0.081	0.31	1.4	< 0.4	< 0.78
IA2-39-2012-12-18	12/18/12	< 0.031	< 0.27	1.6	< 0.02	1.0	< 0.41	< 0.4	0.13	0.080	< 0.55	< 0.47	< 0.61	0.062	< 0.098	1.3	0.21	0.079	0.27	1.2	< 0.4	< 0.78
DUP2-2012-12-18	12/18/12	< 0.031	< 0.27	1.6	< 0.02	0.5	< 0.41	< 0.4	0.12	0.078	< 0.55	< 0.47	< 0.61	0.061	< 0.098	1.3	0.22	0.078	0.28	1.3	< 0.4	< 0.78
IA3-39-2012-12-18	12/18/12	< 0.031	< 0.27	1.6	< 0.02	0.42	< 0.41	< 0.4	0.17	0.075	< 0.55	< 0.47	< 0.61	0.083	< 0.098	1.2	0.22	0.086	0.26	1.2	< 0.4	< 0.78
PS1-39-2012-12-18	12/18/12	< 0.031	< 0.27	1.5	< 0.02	0.96	< 0.41	< 0.4	0.28	0.076	< 0.55	< 0.47	< 0.61	0.091	< 0.098	1.4	2.4	0.47	0.30	1.3	< 0.4	1.9
Building 39 without HVAC																						
IA1-39-2013-01-06	01/06/13	< 0.031	< 0.27	1.8	0.053	0.43	< 0.41	< 0.4	0.16	0.130	< 0.55	< 0.47	< 0.61	0.12	< 0.098	1.4	0.96	0.44	0.37	1.6	< 0.4	2.7
IA2-39-2013-01-06	01/06/13	< 0.031	< 0.27	1.7	0.025	0.39	< 0.41	< 0.4	0.16	0.10	< 0.55	< 0.47	< 0.61	0.10	< 0.098	1.2	0.56	0.16	0.29	1.3	< 0.4	1.9
DUP2-2013-01-06	01/06/13	< 0.031	< 0.27	1.7	0.023	0.64	< 0.41	< 0.4	0.20	0.097	< 0.55	< 0.47	< 0.61	0.10	< 0.098	1.2	0.56	0.15	0.29	1.3	< 0.4	1.9
IA3-39-2013-01-06	01/06/13	< 0.031	< 0.27	1.8	< 0.02	0.43	< 0.41	< 0.4	0.18	0.10	< 0.55	< 0.47	< 0.61	0.093	< 0.098	1.4	0.67	0.18	0.29	1.3	< 0.4	2.4
PS1-39-2013-01-06	01/06/13	< 0.031	< 0.27	2.5	0.48	0.39	0.60	2.0	**3.5**	0.074	5.3	< 0.47	< 0.61	0.11	< 0.098	1.2	**27**	**6.2**	0.25	1.1	< 0.4	37
PS1-39-2013-04-28	04/28/13	< 0.026	< 0.053	1.3	0.078	< 0.69	0.21	0.3	**1.6**	0.060	1.7	< 0.092	< 0.12	< 0.12	< 0.11	0.87	**16**	**3.2**	0.14	0.53	< 0.40	7.5
PS2-39-2013-04-28	04/28/13	< 0.026	< 0.053	1.4	< 0.040	< 0.69	< 0.081	< 0.079	0.12	0.072	0.39	< 0.092	< 0.12	< 0.12	< 0.11	0.86	**13**	0.79	0.14	0.54	< 0.40	2.7
Building C with HVAC																						
IA1-C-2013-01-18	01/18/13	< 0.026	< 0.053	1.2	< 0.040	1.1	< 0.081	< 0.079	0.25	0.080	< 0.11	< 0.092	< 0.12	0.23	< 0.11	4.9	0.17	0.44	0.84	3.9	< 0.40	0.48
IA2-C-2013-01-18	01/18/13	< 0.026	< 0.053	1.1	< 0.040	0.93	< 0.081	< 0.079	0.21	0.074	< 0.11	< 0.092	< 0.12	0.21	< 0.11	3.9	0.13	0.31	0.69	3.34	< 0.40	0.47
IA3-C-2013-01-18	01/18/13	< 0.026	0.053	1.0	< 0.040	0.78	< 0.081	< 0.079	0.19	0.07	< 0.11	< 0.092	< 0.12	0.2	< 0.11	3.5	0.12	0.22	0.60	2.94	< 0.40	0.45
IA4-C-2013-01-18	01/18/13	< 0.026	< 0.053	1.4	< 0.040	1.2	< 0.081	< 0.079	0.32	0.12	0.13	< 0.092	< 0.12	0.32	< 0.11	5.7	0.22	0.86	1.0	5.1	< 0.40	0.59
IA5-C-2013-01-18	01/18/13	< 0.026	< 0.053	1.1	< 0.040	0.89	< 0.081	< 0.079	0.21	0.11	0.11	< 0.092	< 0.12	0.22	< 0.11	4.2	0.14	1.1	0.99	3.8	< 0.40	0.48
IA6-C-2013-01-18	01/18/13	< 0.026	< 0.053	1.1	< 0.040	0.86	< 0.081	< 0.079	0.22	0.081	0.22	< 0.092	< 0.12	0.23	< 0.11	4.3	0.16	1.8	0.74	3.5	< 0.40	0.50
DUP4-C-2013-01-18	01/18/13	< 0.026	< 0.053	1.1	< 0.040	1.5	< 0.081	< 0.079	0.24	0.077	0.18	< 0.092	< 0.12	0.16	< 0.11	4.4	0.16	1.5	0.85	3.8	< 0.40	0.49
IA7-C-2013-01-18	01/18/13	< 0.026	< 0.053	1.1	< 0.040	0.97	< 0.081	< 0.079	0.21	0.084	< 0.11	< 0.092	< 0.12	0.26	< 0.11	4.5	0.14	0.23	0.71	3.33	< 0.40	0.48
PS1-C-2013-01-18	01/18/13	< 0.026	< 0.053	1.1	< 0.040	0.86	< 0.081	< 0.079	0.26	0.076	0.13	< 0.092	< 0.12	0.18	0.13	4.3	0.15	1.3	0.75	3.5	< 0.40	0.50
PS2-C-2013-01-18	01/18/13	< 0.026	< 0.053	1.1	< 0.040	1.0	< 0.081	0.12	0.24	0.083	0.14	< 0.092	< 0.12	0.29	0.14	4.3	0.34	1.2	0.75	3.6	< 0.40	0.50

Table 4
Indoor, Pathway and Ambient Air Analytical Results - December 2012 to April 2013
Buildings 9, 19, 39, C, E, F, and G
Texas Instruments Incorporated
Santa Clara, California
Project: 750620701

Chemical of Concern	Sample Date	Vinyl Chloride	Chloro-ethane	Trichloro-fluro-methane	1,1-DCE	Methylene Chloride	1,1-DCA	cis-1,2-DCE	Chloroform	1,2-DCA	1,1,1-TCA	Chloro-benzene	1,2-DCB	1,4-DCB	1,1,2-TCA	Toluene	TCE	PCE	Ethyl-benzene	Total Xylenes	trans-1,2-DCE	Freon 113
Unit		($\mu g/m^3$)																				
Building C without HVAC																						
IA1-C-2013-01-20	01/20/13	< 0.026	< 0.053	2.1	< 0.040	2.5	< 0.081	< 0.079	0.34	0.11	0.28	< 0.092	< 0.12	0.33	< 0.11	7.1	0.19	**2.7**	1.1	4.7	4.7	0.72
IA2-C-2013-01-20	01/20/13	< 0.026	< 0.053	1.7	< 0.040	1.3	< 0.081	< 0.079	0.34	0.12	0.22	< 0.092	< 0.12	0.31	< 0.11	4.9	0.17	1.7	0.94	3.5	1.0	0.68
IA3-C-2013-01-20	01/20/13	< 0.026	< 0.053	1.7	< 0.040	1.3	< 0.081	< 0.079	0.33	0.14	0.23	< 0.092	< 0.12	0.28	< 0.11	5.0	0.17	1.7	0.89	3.6	1.1	0.65
IA4-C-2013-01-20	01/20/13	< 0.026	< 0.053	1.9	< 0.040	1.1	< 0.081	< 0.079	0.5	0.19	0.16	< 0.092	< 0.12	0.4	< 0.11	5.0	0.16	0.83	0.86	3.8	< 0.40	0.85
IA5-C-2013-01-20	01/20/13	< 0.026	< 0.053	1.4	0.041	1.2	< 0.081	0.41	0.39	0.14	1.2	< 0.092	< 0.12	0.31	< 0.11	4.7	0.29	**12**	0.84	3.5	< 0.40	0.76
IA6-C-2013-01-20	01/20/13	< 0.026	< 0.053	1.4	0.054	1.2	0.11	0.63	0.41	0.15	1.9	< 0.092	< 0.12	0.27	< 0.11	4.8	0.37	**18**	0.86	3.6	< 0.40	0.83
DUP4-2013-01-20	01/20/13	< 0.026	< 0.053	1.4	0.05	1.2	0.10	0.57	0.41	0.14	1.8	< 0.092	< 0.12	0.29	< 0.11	4.4	0.33	**16**	0.78	3.24	< 0.40	0.80
IA7-C-2013-01-20	01/20/13	< 0.026	< 0.053	1.5	< 0.04	2.5	< 0.081	0.22	0.4	0.16	0.63	< 0.092	< 0.12	0.21	< 0.11	5.3	0.26	**5.0**	0.77	3.08	0.9	0.68
PS1-C-2013-01-20	01/20/13	< 0.026	< 0.053	1.4	< 0.04	1.2	< 0.081	0.2	0.35	0.13	0.9	< 0.092	< 0.12	0.28	< 0.11	5.0	0.2	**9.8**	0.88	3.9	< 0.40	0.71
PS2-C-2013-01-20	01/20/13	< 0.026	< 0.053	1.5	0.053	1.7	0.12	0.75	0.42	0.16	1.8	< 0.092	< 0.12	0.28	< 0.11	4.9	0.4	**17**	1.0	4.0	< 0.40	0.82
Building E with HVAC																						
IA1-E-2013-01-18	01/18/13	< 0.026	< 0.053	1.3	< 0.040	< 0.69	< 0.081	< 0.079	0.22	0.088	< 0.11	< 0.092	< 0.12	0.2	< 0.11	4.0	0.3	< 0.14	0.67	3.34	< 0.40	0.53
DUP3-E-2013-01-18	01/18/13	< 0.026	< 0.053	1.3	< 0.040	< 0.69	< 0.081	< 0.079	0.22	0.085	< 0.11	< 0.092	< 0.12	0.18	< 0.11	3.9	0.31	< 0.14	0.68	3.2	< 0.40	0.53
IA2-E-2013-01-18	01/18/13	< 0.026	< 0.053	1.4	< 0.040	< 0.69	< 0.081	< 0.079	0.24	0.091	< 0.11	< 0.092	< 0.12	0.2	< 0.11	4.0	0.35	< 0.14	0.67	3.19	< 0.40	0.62
IA3-E-2013-01-18	01/18/13	< 0.026	< 0.053	1.6	< 0.040	< 0.69	< 0.081	< 0.079	0.24	0.089	< 0.11	< 0.092	< 0.12	0.13	< 0.11	3.2	0.2	< 0.14	0.5	2.49	< 0.40	0.67
IA4-E-2013-01-18	01/18/13	< 0.26	< 0.053	1.5	< 0.40	< 0.69	< 0.081	< 0.079	0.27	0.12	< 0.11	< 0.092	< 0.12	0.16	< 0.11	4.3	0.19	< 0.14	0.62	3.21	< 0.40	0.61
IA5-E-2013-01-18	01/18/13	< 0.026	< 0.053	1.2	< 0.040	< 0.69	< 0.081	< 0.079	0.2	0.075	< 0.11	< 0.092	< 0.12	< 0.12	< 0.11	3.6	0.19	< 0.14	0.58	2.8	< 0.40	0.51
IA6-E-2013-01-18	01/18/13	< 0.026	< 0.053	1.3	< 0.040	< 0.69	< 0.081	< 0.079	0.21	0.076	< 0.11	< 0.092	< 0.12	0.14	< 0.11	3.6	0.25	< 0.14	0.62	3.04	< 0.40	0.51
PS1-E-2013-01-18	01/18/13	< 0.026	< 0.053	1.2	< 0.040	< 0.69	< 0.081	< 0.079	0.21	0.076	< 0.11	< 0.092	< 0.12	0.14	< 0.11	3.7	0.25	< 0.14	0.68	3.19	< 0.40	0.48
PS2-E-2013-01-18	01/18/13	< 0.026	< 0.053	1.2	< 0.040	1.8	< 0.081	< 0.079	0.18	0.079	< 0.11	< 0.092	< 0.12	0.12	< 0.11	3.6	0.23	0.22	0.6	2.83	< 0.40	0.5
PS3-E-2013-01-18	01/18/13	< 0.026	< 0.053	1.1	< 0.040	0.82	< 0.081	< 0.079	0.14	0.064	< 0.11	< 0.092	< 0.12	0.13	< 0.11	8.9	0.16	0.15	0.79	3.15	< 0.40	0.47
PS4-E-2013-01-18	01/18/13	< 0.026	< 0.053	1.6	0.059	0.7	0.08	0.96	0.27	0.078	0.51	< 0.092	< 0.12	0.13	< 0.11	3.7	**16**	1.6	0.89	3.9	< 0.40	3.3
Building E without HVAC																						
1A1-E-2013-01-20	01/20/13	< 0.026	< 0.053	2.2	< 0.040	0.81	< 0.081	< 0.079	0.3	0.13	0.12	< 0.092	< 0.12	0.2	< 0.11	3.0	0.36	0.14	0.54	2.24	< 0.40	0.71
DUP3-E-2013-01-20	01/20/13	< 0.026	< 0.053	2.2	< 0.040	0.79	< 0.081	< 0.079	0.3	0.13	0.12	< 0.092	< 0.12	0.18	< 0.11	2.9	0.35	0.14	0.53	2.1	< 0.40	0.71
IA2-E-2013-01-20	01/20/13	< 0.026	< 0.053	2.2	< 0.040	0.78	< 0.081	< 0.079	0.26	0.10	< 0.11	< 0.092	< 0.12	0.17	< 0.11	2.7	0.3	< 0.14	0.45	2.04	< 0.40	0.68
1A3-E-2013-01-20	01/20/13	< 0.026	< 0.053	2.2	< 0.040	< 0.69	< 0.081	< 0.079	0.22	0.086	< 0.11	< 0.092	< 0.12	0.13	< 0.11	1.7	0.12	< 0.14	0.24	1.02	< 0.40	0.64
1A4-E-2013-01-20	01/20/13	< 0.026	0.093	2.5	< 0.040	0.79	< 0.081	< 0.079	0.31	0.11	< 0.11	< 0.092	< 0.12	0.19	< 0.11	3.2	0.14	< 0.14	0.53	2.82	< 0.40	0.69
1A5-E-2013-01-20	01/20/13	< 0.026	< 0.053	2.1	< 0.40	1.0	< 0.081	< 0.079	0.29	0.11	< 0.11	< 0.092	< 0.12	0.2	< 0.11	3.3	0.22	0.15	0.58	2.56	< 0.40	0.63
1A6-E-2013-01-20	01/20/13	< 0.026	< 0.053	1.8	< 0.040	0.7	< 0.081	< 0.079	0.32	0.11	0.15	< 0.092	< 0.12	0.28	< 0.11	3.1	0.3	0.21	0.53	2.38	< 0.40	0.68
PS1-E-2013-01-20	01/20/13	< 0.026	< 0.053	1.9	< 0.040	0.75	< 0.081	< 0.079	0.32	0.17	0.14	0.21	1.3	**1.8**	0.18	3.3	0.42	0.2	0.62	2.78	< 0.40	0.68
PS2-E-2013-01-20	01/20/13	0.031	< 0.053	1.8	< 0.040	< 0.69	< 0.081	0.16	0.26	0.098	< 0.11	< 0.092	< 0.12	0.22	< 0.11	2.9	0.57	0.25	0.48	2.23	< 0.40	0.64
PS3-E-2013-01-20	01/20/13	< 0.026	< 0.053	2.1	< 0.040	0.87	< 0.081	< 0.079	0.34	0.11	< 0.11	< 0.092	< 0.12	0.32	< 0.11	3.3	0.36	0.33	0.57	2.52	< 0.40	0.66
PS4-E-2013-01-20	01/20/13	< 0.026	< 0.053	2.2	0.1	< 0.69	0.11	1.0	0.3	0.11	0.53	< 0.092	< 0.12	0.2	< 0.11	2.3	**18**	1.8	0.74	2.71	< 0.40	3.6
Building F with HVAC																						
IA1-F-2013-01-18	01/18/13	< 0.026	< 0.053	3.9	< 0.040	< 0.69	< 0.081	< 0.079	0.51	0.067	< 0.11	< 0.092	< 0.12	< 0.12	< 0.11	3.1	0.27	< 0.14	0.49	2.19	< 0.40	0.51
IA2-F-2013-01-18	01/18/13	< 0.026	< 0.053	1.7	< 0.040	< 0.69	< 0.081	< 0.079	0.15	0.061	< 0.11	< 0.092	< 0.12	< 0.12	< 0.11	2.4	0.11	< 0.14	0.39	1.92	< 0.40	0.47
Building F without HVAC																						
1A1-F-2013-01-20	01/20/13	< 0.026	< 0.053	5.9	< 0.040	< 0.69	< 0.081	< 0.079	0.47	0.081	< 0.11	< 0.092	< 0.12	0.19	< 0.11	2.6	0.31	0.17	0.47	1.83	< 0.40	0.67
1A2-F-2013-01-20	01/20/13	< 0.026	< 0.053	48	< 0.040	< 0.69	< 0.081	< 0.079	0.3	0.097	< 0.11	< 0.092	< 0.12	0.24	< 0.11	4.1	0.31	0.16	0.73	2.62	< 0.40	0.67
Building G with HVAC																						
IA1-G-2012-12-13	12/13/12	< 0.031	< 0.27	0.68	< 0.02	0.43	< 0.41	< 0.4	0.11	0.064	< 0.55	< 0.47	< 0.61	0.041	< 0.098	1.0	0.13	0.059	0.22	1.0	< 0.4	< 0.78
DUP1-2012-12-13	12/13/12	< 0.031	< 0.27	1.1	< 0.02	0.43	< 0.41	< 0.4	0.12	0.072	< 0.55	< 0.47	< 0.61	0.038	< 0.098	0.95	0.11	0.12	0.21	0.94	< 0.4	< 0.78
IA2-G-2012-12-13	12/13/12	< 0.031	< 0.27	1.6	0.026	0.55	< 0.41	< 0.4	0.16	0.076	< 0.55	< 0.47	< 0.61	0.051	< 0.098	1.2	0.21	0.078	0.27	1.2	< 0.4	< 0.78
IA3-G-2012-12-13	12/13/12	< 0.031	< 0.27	1.5	0.041	1.2	< 0.41	< 0.4	0.32	0.077	< 0.55	< 0.47	< 0.61	0.078	< 0.098	1.8	0.33	0.11	0.39	1.8	< 0.4	< 0.78
IA4-G-2012-12-13	12/13/12	< 0.031	< 0.27	2.7	0.051	0.59	0.71	< 0.4	0.22	0.079	0.8	< 0.47	< 0.61	0.069	< 0.098	1.5	1.4	0.32	0.32	1.4	< 0.4	< 0.78
IA5-G-2012-12-13	12/13/12	< 0.031	< 0.27	1.4	< 0.02	0.53	< 0.41	< 0.4	0.24	0.068	< 0.55	< 0.47	< 0.61	0.043	< 0.098	1.0	0.15	0.065	0.23	1.1	< 0.4	< 0.78
PS1-G-2012-12-13	12/13/12	< 0.031	< 0.27	1.5	0.022	0.74	< 0.41	< 0.4	0.21	0.064	< 0.55	< 0.47	< 0.61	0.045	< 0.098	1.1	0.22	0.084	0.24	1.1	< 0.4	< 0.78
PS2-G-2012-12-13	12/13/12	< 0.031	< 0.27	1.6	0.024	3.8	< 0.41	< 0.4	0.21	0.077	< 0.55	< 0.47	< 0.61	0.058	< 0.098	1.4	0.24	0.084	0.30	1.4	< 0.4	< 0.78
PS3-G-2012-12-13	12/13/12	< 0.031	< 0.27	1.6	< 0.02	0.63	< 0.41	< 0.4	0.24	0.081	< 0.55	< 0.47	< 0.61	0.062	< 0.098	1.5	0.25	0.084	0.31	1.4	< 0.4	< 0.78

Table 4
Indoor, Pathway and Ambient Air Analytical Results - December 2012 to April 2013
Buildings 9, 19, 39, C, E, F, and G
Texas Instruments Incorporated
Santa Clara, California
Project: 750620701

Chemical of Concern	Sample Date	Vinyl Chloride	Chloro-ethane	Trichloro-fluro-methane	1,1-DCE	Methylene Chloride	1,1-DCA	cis-1,2-DCE	Chloroform	1,2-DCA	1,1,1-TCA	Chloro-benzene	1,2-DCB	1,4-DCB	1,1,2-TCA	Toluene	TCE	PCE	Ethyl-benzene	Total Xylenes	trans-1,2-DCE	Freon 113
Unit		($\mu g/m^3$)																				
Building G without HVAC																						
IA1-G-2012-12-30	12/30/12	< 0.031	< 0.27	1.8	0.15	0.38	< 0.41	< 0.4	0.15	0.099	0.71	< 0.47	< 0.61	0.055	< 0.098	1.6	0.67	0.18	0.3	1.4	< 0.4	0.91
DUP1-2012-12-30	12/30/12	< 0.031	< 0.27	1.6	0.11	0.40	< 0.41	< 0.4	0.15	0.089	0.73	< 0.47	< 0.61	0.057	< 0.098	1.6	0.61	0.18	0.29	1.3	< 0.4	0.88
IA2-G-2012-12-30	12/30/12	< 0.031	< 0.27	1.8	0.15	0.39	< 0.41	< 0.4	0.20	0.093	1.1	< 0.47	< 0.61	0.054	< 0.098	1.5	0.83	0.20	0.3	1.4	< 0.4	0.98
IA3-G-2012-12-30	12/30/12	< 0.031	< 0.27	1.7	0.10	0.48	< 0.41	< 0.4	0.21	0.09	0.76	< 0.47	< 0.61	0.057	< 0.098	1.6	0.62	0.18	0.32	1.4	< 0.4	0.97
IA4-G-2012-12-30	12/30/12	0.035	< 0.27	3.0	0.13	0.43	0.70	< 0.4	0.20	0.11	1.0	< 0.47	< 0.61	0.069	< 0.098	1.8	1.3	0.35	0.35	1.4	< 0.4	1.8
IA5-G-2012-12-30	12/30/12	< 0.031	< 0.27	1.7	0.14	0.40	< 0.41	< 0.4	0.17	0.09	0.81	< 0.47	< 0.61	0.057	< 0.098	1.7	0.71	0.20	0.33	1.4	< 0.4	0.95
PS1-G-2012-12-30	12/30/12	< 0.031	< 0.27	2.0	0.16	0.51	0.43	< 0.4	0.21	0.10	1.2	< 0.47	< 0.61	0.061	< 0.098	1.8	0.88	0.23	0.36	1.6	< 0.4	1.1
PS2-G-2012-12-30	12/30/12	0.034	< 0.27	1.9	0.26	0.75	< 0.41	< 0.4	0.23	0.10	0.75	< 0.47	< 0.61	0.064	< 0.098	1.9	0.86	0.22	0.36	1.6	< 0.4	1.2
PS3-G_2012-12-30	12/30/12	0.035	< 0.27	2.0	0.24	0.47	< 0.41	< 0.4	0.19	0.11	0.70	< 0.47	< 0.61	0.075	< 0.098	2.0	0.89	0.22	0.37	1.7	< 0.4	1.1
Laboratory Reporting Limit		0.013	0.014	0.29	0.02	0.18	0.021	0.02	0.025	0.021	0.028	0.024	0.031	0.031	0.028	0.019	0.028	0.035	0.022	0.066	0.02	0.39
Comparison to Background/Outdoor Ambient																						
Background (outdoor ambient for Buildings 9, 19 and G) AA1-19-2012-12-13	12/13/12	0.048	< 0.27	1.1	< 0.02	0.41	< 0.41	< 0.4	0.17	0.077	< 0.55	< 0.47	< 0.61	0.033	< 0.098	0.85	0.058	0.065	0.2	0.88	< 0.4	< 0.78
Background (outdoor ambient for Building 39) AA1-39-2012-12-18	12/18/12	< 0.031	< 0.27	1.6	< 0.02	1.7	< 0.41	< 0.4	0.086	0.073	< 0.55	< 0.47	< 0.61	< 0.031	< 0.098	0.88	0.035	0.039	0.46	2.1	< 0.4	< 0.78
Background (outdoor ambient for Buildings 9, 19 and G) AA1-19-2012-12-30	12/30/12	0.071	< 0.27	2.1	0.12	0.72	< 0.41	< 0.4	0.24	0.20	< 0.55	< 0.47	< 0.61	0.21	0.17	4.0	0.17	0.33	0.6	2.4	< 0.4	0.98
Background (outdoor ambient for Building 39) AA1-39-2013-01-06	01/06/13	< 0.031	< 0.27	1.6	< 0.02	0.52	< 0.41	< 0.4	0.21	0.099	< 0.55	< 0.47	< 0.61	0.042	< 0.098	1.4	0.072	0.052	0.29	1.3	< 0.4	< 0.78
Background (outdoor ambient for Buildings C, E, and F) AA1-F-2013-01-18	01/18/13	< 0.026	< 0.053	1.2	< 0.040	2.2	< 0.081	< 0.079	0.14	0.066	< 0.11	< 0.092	< 0.12	< 0.12	< 0.11	3.4	0.17	0.28	0.62	3.1	< 0.40	0.45
Background (outdoor ambient for Buildings C,E, and F) AA1F-2013-01-20	01/20/13	< 0.026	0.061	1.4	< 0.040	< 0.69	< 0.081	< 0.079	0.17	0.092	< 0.11	< 0.092	< 0.12	0.13	< 0.11	2.0	0.089	< 0.14	0.39	1.7	< 0.40	0.61
Comparison to Short-Term Health Based Screening Criteria[1]																						
Acute Exposure MRL[2]		1,278	39,583	NE	NE	NE	NE	810	488	NE	10,914	NE	NE	12,025	NE	3,768	NE	1,357	21,710	8,685	810	NE
Intermediate Exposure MRL[3]		77	NE	NE	79	NE	NE	810	244	NE	3,820	NE	NE	1,203	NE	NE	NE	NE	8,684	2,605	810	NE
USEPA Regional Screening Levels [4]																						
Residential Screening Level [5]		0.16	10,000	730	210	96	1.5	NE	0.11	0.094	5,200	52	210	0.22	0.15	5,200	0.43	9.4	0.97	100	63	31,000
Industrial/Commercial Screening Level [6]		2.8	44,000	3,100	880	1,200	7.7	NE	0.53	0.47	22,000	220	880	1.1	0.77	22,000	3	47	4.9	440	260	130,000
RWQCB Environmental Screening Level [7]																						
Residential		0.031	31,000	NE	210	5.2	1.5	7.3	0.46	0.12	5,200	1,000	210	0.22	0.15	310	0.59	0.41	0.97	100	63	NE
Commercial or Industrial		0.16	130,000	NE	880	26	7.7	31	2.3	0.58	22,000	4,400	880	1.1	0.77	1,300	3.0	2.1	4.9	440	260	NE

Notes:
Units in micrograms per cubic meter ($\mu g/m^3$) at 25° Celsius and 1 atmosphere.
Bold values indicate an exceedance of the commercial/industrial Residential Screening Level (RSL) or the Environmental Screening Level (ESL).
Samples identified with 'IA' were collected from areas of buildings normally occupied whereas, samples identified with 'PS' were collected from areas not occupied for 8-hours a day.
[1] - Short-term health risk based screening criteria obtained from the Agency for Toxic Substances & Disease Registry (ATSDR), Minimal Risk Levels (MRLs) for hazardous substances (July 2013)
[2] - Acute screening levels (Acute MRSs) are derived for exposure durations of 1 to 14 days.
[3] - Intermediate MRLs are derived for exposure durations of >14 to 364 days
[4] - Long-term health risk based screening criteria obtained from the United States Environmental Protection Agency (USEPA), RSLs for chemical contaminants, THQ=1.0 (November 2013).
http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/docs/master_sl_table_run_NOV2013.pdf
[5] - Residential screening levels (Residential Air RSLs) are derived for exposure durations of 350 days per year and 30 years.
[6] - Commercial/Industrial screening levels (Industrial Air RSLs) are derived for exposure durations of 8 hours per day, 250 days per year and 25 years.
[7] - Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) indoor air from Table E-3, December 2013.
USEPA recommends the use of Interim TCE Indoor Air Short-Term Response Action Levels for TCE Inhalation exposure from subsurface vapor intrusion at South Bay National Priority List Sites. Commercial/Industrial prompt response action levels are calculated as the time-weighted average from the RfC - 9 $\mu g/m^3$ for an 8-hour workday; 7 $\mu g/m^3$ for a 10-hour workday. Based on input from commercial building owners and tenants, EPA Region 9 recommends use of the 10-hour workday for determining the appropriate response action levels for Commercial/Industrial buildings at the South Bay Sites. Time-weighted adjustments can be made as needed for workplaces with longer work schedules.

1,1,1-TCA - 1,1,1-trichloroethane
1,1,2_TCA - 1,1,2-trichloroethane
1,1-DCA - 1,1-dichloroethane
1,1-DCE - 1,1-dichloroethene
1,2-DCB - 1,2-dichlorobenzene
1, 2-DCA - 1,2-dichloroethane
1, 4-DCB - 1,4-dichlorobenzene
Freon 113 - trichlorotrifluoroethane
chloroethane - ethyl chloride
cis-1,2-DCE - cis-1,2-dichloroethene
Methylene Choride - Dichloromethane
PCE - tetrachloroethene
Freon 11 - trichlorofluoromethane
trans-1,2-DCE - trans-1,2-dichloroethene
TCE - trichloroethene
NE = Not established

Table 5
Sub-Slab Analytical Results - December 2012
Buildings 9, 19, 39, C, E, F, and G
Texas Instruments Incorporated
Santa Clara, California
Project: 750620701

Chemical of Concern	Sample Date	Helium	Chloro-benzene	Chloro-ethane	Chloroform	1,2-DCB	1,4-DCB	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Ethyl-benzene	Freon 113	Methylene Chloride	PCE	Toluene	1,1,1-TCA	1,1,2-TCA	TCE	Trichloro-fluoro-methane	Vinyl Chloride	Xylenes Total
Unit		%	(µg/m³)																				
Building 9																							
SS1-9-2012-12-14	12/14/12	0.12	< 9.4	< 5.4	3.9	< 12	< 4.4	< 8.2	< 1.9	< 8.1	< 8.1	< 1.9	< 8.8	< 16	< 7.1	95	15	19	< 3.0	**1,900**	< 11	< 1.3	< 27
DUP2-2012-12-14	12/14/12	0.048	< 9.4	< 5.4	3.5	< 12	< 4.4	< 8.2	< 1.9	< 8.1	< 8.1	< 1.9	< 8.8	< 16	< 7.1	94	14	18	< 3.0	**1,800**	< 11	< 1.3	< 27
SS2-9-2012-12-14	12/14/12	0.079	< 9.4	< 5.4	10	< 12	< 4.4	< 8.2	< 1.9	< 8.1	16	3.4	< 8.8	< 16	< 7.1	**380**	18	27	< 3.0	**2,500**	< 11	< 1.3	< 27
Building 19																							
SS1-19-2012-12-14	12/14/12	0.12	< 9.4	< 5.4	7.8	< 12	< 4.4	17	< 1.9	110	42	5.3	< 8.8	1,400	< 7.1	**230**	12	1,000	< 3.0	**5,300**	31	< 1.3	< 27
SS2-19-2012-12-14	12/14/12	0.28	< 9.4	< 5.4	5.5	< 12	< 4.4	< 8.2	< 1.9	14	9.2	< 1.9	< 8.8	400	< 7.1	92	< 7.7	930	< 3.0	**2,400**	13	< 1.3	< 27
Building 39																							
SS1-39-2012-12-13	12/13/12	0.028	< 9.4	< 5.4	5.0	< 12	< 4.4	110	< 1.9	37	81	6.3	< 8.8	2,500	< 7.1	210	< 7.7	300	< 3.0	**1,000**	< 11	< 1.3	< 27
DUP1-2012-12-13	12/13/12	0.026	< 9.4	< 5.4	4.9	< 12	< 4.4	110	< 1.9	37	83	6.3	< 8.8	2,800	< 7.1	210	< 7.7	300	< 3.0	**1,000**	< 11	< 1.3	< 27
SS2-39-2012-12-13	12/13/12	0.019	< 9.4	< 5.4	< 2.2	< 12	< 4.4	< 8.2	< 1.9	< 8.1	< 8.1	< 1.9	< 8.8	150	< 7.1	11	< 7.7	< 11	< 3.0	82	< 11	< 1.3	< 27
SS3-39-2012-12-13	12/13/12	0.042	< 9.4	< 5.4	< 2.2	< 12	< 4.4	9.1	< 1.9	< 8.1	55	4.7	< 8.8	540	< 7.1	54	< 7.7	33	< 3.0	**510**	< 11	< 1.3	< 27
Building C																							
SS1-C-2012-12-15	12/15/12	0.031	< 9.4	< 5.4	< 2.2	< 12	< 4.4	< 8.2	< 1.9	< 8.1	< 8.1	< 1.9	< 8.8	69	< 7.1	**5,200**	17	850	< 3.0	< 11	< 11	< 1.3	< 27
SS2-C-2012-12-15	12/15/12	< 0.005	< 9.4	< 5.4	< 2.2	< 12	< 4.4	< 8.2	< 1.9	< 8.1	< 8.1	< 1.9	< 8.8	69	< 7.1	110	< 7.7	24	< 3.0	69	24	< 1.3	< 27
SS3-C-2012-12-15	12/15/12	0.019	< 9.4	< 5.4	< 2.2	< 12	< 4.4	< 8.2	< 1.9	< 8.1	< 8.1	< 1.9	< 8.8	69	< 7.1	23	52	21	< 3.0	< 11	< 11	< 1.3	< 27
SS4-C-2012-12-15	12/15/12	< 0.005	< 9.4	< 5.4	< 2.2	< 12	< 4.4	< 8.2	< 1.9	< 8.1	< 8.1	< 1.9	< 8.8	69	< 7.1	< 8.2	36	< 11	< 3.0	< 11	< 11	< 1.3	< 27
Building E																							
SS1-E-2012-12-15	12/15/12	< 0.005	< 9.4	< 5.4	< 2.2	< 12	< 4.4	< 8.2	< 1.9	< 8.1	< 8.1	< 1.9	< 8.8	< 16	< 7.1	< 8.2	< 7.7	< 11	< 3.0	< 11	< 11	< 1.3	< 27
SS2-E_2012-12-15	12/15/12	< 0.005	< 9.4	< 5.4	8.7	< 12	< 4.4	< 8.2	< 1.9	< 8.1	< 8.1	< 1.9	< 8.8	190	< 7.1	81	8.7	46	< 3.0	**800**	38	< 1.3	< 27
Building F																							
SS1-F-2012-12-15	12/15/12	0.017	< 9.4	< 5.4	< 2.2	< 12	< 4.4	< 8.2	< 1.9	< 8.1	< 8.1	< 1.9	< 8.8	< 16	< 7.1	< 8.2	9.4	< 11	< 3.0	< 11	< 11	< 1.3	< 27
Building G																							
SS1-G-2012-12-14	12/14/12	0.016	< 9.4	< 5.4	< 2.2	< 12	< 4.4	< 8.2	< 1.9	< 8.1	< 8.1	< 1.9	< 8.8	< 16	< 7.1	< 8.2	< 7.7	< 11	< 3.0	< 11	< 11	< 1.3	< 27
SS2-G-2012-12-14	12/14/12	< 0.005	< 9.4	< 5.4	< 2.2	< 12	< 4.4	< 8.2	< 1.9	< 8.1	< 8.1	< 1.9	< 8.8	47	< 7.1	**250**	< 7.7	83	< 3.0	**660**	< 11	< 1.3	< 27
SS3-G-2012-12-14	12/14/12	0.028	< 9.4	< 5.4	< 2.2	< 12	< 4.4	< 8.2	< 1.9	< 8.1	< 8.1	< 1.9	< 8.8	< 16	< 7.1	11	< 7.7	28	< 3.0	110	< 11	< 1.3	< 27
RSLs [1]																							
Industrial/Commercial Screening Level			220	44,000	0.53	880	1.1	7.7	0.47	880	NE	260	4.9	130,000	1,200	47	22,000	22,000	0.77	3	3,100	2.8	440
RWQCB ESLs [2]																							
Commercial			4,400	130,000	2.3	880	1.1	7.7	0.58	880	31	260	4.9	NE	26	2.1	1,300	22,000	0.77	3	NE	0.16	440
Commercial RSL Corrected using 0.01 Slab Attenuation Factor [3]			22,000	4,400,000	53	88,000	110	770	47	88,000	NE	26,000	490	13,000,000	120,000	4,700	2,200,000	2,200,000	77	300	310,000	280	44,000
Commercial ESL Corrected using 0.01 Slab Attenuation Factor [3]			440,000	13,000,000	230	88,000	110	770	58	88,000	3,100	26,000	490	NE	2,600	210	130,000	2,200,000	77	300	NE	16	44,000

Notes:
Bold values indicate an exceedance of the Commercial/Industrial ESL or RSL corrected using a 0.01 slab attenuation factor.
[1] - Commercial/Industrial screening levels (Industrial Air RSLs) are derived for exposure durations of 8 hours per day, 250 days per year and 25 years.
[2] - Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) indoor air from Table E-3, December 2013.
RWQCB ESLs can be access at: http://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/esl.shtml
[3] - Indoor air screening levels have been adjusted using an assumed attenuation factor of 0.01 for commercial buildings based on an evaluation of the data presented in the USEPA's Vapor Intrusion Database: Evaluation and Characterization of Attenuation Factors for Chlorinated Volatile Organic Compounds and Residential Buildings. EPA 530-R-10-002. March 16.
USEPA RSL = United States Environmental Protection Agency, Regional Screening Levels
ESL = Environmental Screening Level
RWQCB = Regional Water Quality Control Board, San Francisco Bay Region

1,1,1-TCA - 1,1,1-trichloroethane
1,1,2_TCA - 1,1,2-trichloroethane
1,1-DCA - 1,1-dichloroethane
1,1-DCE - 1,1-dichloroethene
1,2-DCB - 1,2-dichlorobenzene
1, 2-DCA - 1,2-dichloroethane
1, 4-DCB - 1,4-dichlorobenzene

chloroethane - ethyl chloride
cis-1,2-DCE - cis-1,2-dichloroethene
Methylene Choride - Dichloromethane
PCE - tetrachloroethene
Freon 11 - trichlorofluoromethane
trans-1,2-DCE - trans-1,2-dichloroethene
TCE - trichloroethene

Freon 113 - trichlorotrifluoroethane
NE = Not established