Attachment 3
Detailed Risk and Hazard Results for Vapor Intrusion Evaluation

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Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

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Table 3-1
Exposure Assumptions
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

	Reasonable Maximum Exposure (RME) Scenario							
Exposure Parameter	**Parameter Code**	**Units**	**Adult Industrial Worker**	**Source**	**Adult Future Resident**	**Source**	**Child Future Resident**	**Source**
Exposure Frequency	EF	days/yr	250	Site Specific	350	EPA, 1989	350	EPA, 1989
Exposure Time for inhalation of volatiles	ET_i	hr/day	8	CalEPA, 2005	24	EPA, 1991	24	EPA, 1991
Exposure Duration	ED	years	25	CalEPA, 2005	24	EPA, 1989	6	EPA, 1989
Body Weight	BW	kg	70	EPA, 1989	70	EPA, 1989	15	EPA, 1989
Averaging Time for carcinogens	ATc	yr	70	EPA, 1989	70	EPA, 1989	70	EPA, 1989
Averaging Time for noncarcinogens	ATnc	yr	25	CalEPA, 2005	24	EPA, 1989	6	EPA, 1989
Conversion Factor 1	CF1	mg/ug	0.001		0.001		0.001	
Constituent Specific Permeability Constant	Kp	cm/hr	Chemical Specific	EPA, 2004a	Chemical Specific	EPA, 2004a	Chemical Specific	EPA, 2004a

Notes:
ATc = 70 years x 365 days/year
ATnc = ED (years) x 365 days/year

Sources:
CalEPA, DTSC, HERD, 2005. Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Military Facilities.
EPA, 1989: Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A).
EPA, 1991: Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part B, Development of Risk-Based Preliminary Remediation Goals). USEPA OERR.
EPA, 2004a: Risk Assessment Guidance for Superfund: Volume I Human Health Evaluation Manual. (Part E, Supplemental Guidance for Dermal Risk Assessment, Final). July.

Table 3-2
Summary Statistics for Crawlspace and Ambient Air Data from Properties Near and On Former AMCO Facility
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Address	Matrix	Parameter	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value	Minimum DL for Non-detects	Maximum DL for Non-detects	Location of Maximum Detected Concentration	Qualifier of Maximum Detected Concentration	Arithmetic Mean Value	Standard Deviation	Recommended UCL	Recommended UCL Basis	Smaller of UCL or Maximum Detect	Smaller of UCL or Maximum Detect Basis
1414 3rd St	CA	1,1,1-Trichloroethane	µg/m3	16	16	100	0.14	25	NA	NA	1414CAa		8.37	8.9	15.8	95% Approximate Gamma UCL	15.8	95% Approximate Gamma UCL
1414 3rd St	CA	1,1,2-Trichloroethane	µg/m3	1	16	6	0.041	0.041	0.076	0.49	CMI-CA01	J	0.0737	0.0592	0.138	Too Few Unique Detected Values *	0.041	Maximum Result
1414 3rd St	CA	1,1-Dichloroethane	µg/m3	16	16	100	0.16	33	NA	NA	1414CAa		11.3	12.1	21.3	95% Approximate Gamma UCL	21.3	95% Approximate Gamma UCL
1414 3rd St	CA	1,1-Dichloroethene	µg/m3	13	16	81	0.048	1.6	0.064	0.065	1414CAa		0.471	0.525	1.05	95% KM (Chebyshev) UCL	1.05	95% KM (Chebyshev) UCL
1414 3rd St	CA	1,2,4-Trimethylbenzene	µg/m3	16	16	100	0.16	9.6	NA	NA	1414CAa		1.26	2.26	2.14	95% H-UCL	2.14	95% H-UCL
1414 3rd St	CA	1,2-Dibromoethane	µg/m3	1	16	6	0.11	0.11	0.21	1.5	1414CAa	J	0.272	0.243	0.537	Too Few Unique Detected Values *	0.11	Maximum Result
1414 3rd St	CA	1,2-Dichloroethane	µg/m3	12	16	75	0.033	1.5	0.13	0.43	1414CAc		0.324	0.438	0.802	95% KM (Chebyshev) UCL	0.802	95% KM (Chebyshev) UCL
1414 3rd St	CA	1,2-Dichloropropane	µg/m3	4	16	25	0.034	0.14	0.064	0.89	1414CAc		0.117	0.135	0.0619	95% KM (t) UCL	0.0619	95% KM (t) UCL
1414 3rd St	CA	1,3,5-Trimethylbenzene	µg/m3	12	16	75	0.06	1	0.05	0.94	1414CAa		0.296	0.242	0.364	95% KM (Percentile Bootstrap) UCL	0.364	95% KM (Percentile Bootstrap) UCL
1414 3rd St	CA	1,4-Dichlorobenzene	µg/m3	5	16	31	0.26	0.96	0.049	1.2	1414CAc		0.275	0.268	0.417	95% KM (t) UCL	0.417	95% KM (t) UCL
1414 3rd St	CA	1,4-Dioxane (p-dioxane)	µg/m3	1	16	6	1.3	1.3	0.024	2	1414CAa	J	0.371	0.324	0.724	Too Few Unique Detected Values *	0.724	Too Few Unique Detected Values *
1414 3rd St	CA	Benzene	µg/m3	16	16	100	0.28	1.3	NA	NA	1414CAa	J	0.584	0.292	0.724	95% Approximate Gamma UCL	0.724	95% Approximate Gamma UCL
1414 3rd St	CA	Bromomethane	µg/m3	9	16	56	0.04	0.4	0.27	1.7	CMI-CA01	J	0.256	0.224	0.189	95% KM (t) UCL	0.189	95% KM (t) UCL
1414 3rd St	CA	Carbon tetrachloride	µg/m3	16	16	100	0.38	17	NA	NA	1414CAa		1.56	4.12	6.05	95% Chebyshev (Mean, Sd) UCL	6.05	95% Chebyshev (Mean, Sd) UCL
1414 3rd St	CA	Chlorobenzene	µg/m3	6	16	38	0.031	0.19	0.018	0.88	1414CAa		0.144	0.154	0.0878	95% KM (t) UCL	0.0878	95% KM (t) UCL
1414 3rd St	CA	Chloroethane	µg/m3	11	16	69	0.074	0.96	0.22	0.51	1414CAa		0.286	0.267	0.384	95% KM (Percentile Bootstrap) UCL	0.384	95% KM (Percentile Bootstrap) UCL
1414 3rd St	CA	Chloroform	µg/m3	15	16	94	0.13	3	0.94	0.94	1414CAa		0.597	0.693	1.35	95% KM (Chebyshev) UCL	1.35	95% KM (Chebyshev) UCL
1414 3rd St	CA	Chloromethane	µg/m3	14	16	88	0.59	46	0.39	0.4	1414CAb		5.07	12.2	24.2	97.5% KM (Chebyshev) UCL	24.2	97.5% KM (Chebyshev) UCL
1414 3rd St	CA	cis-1,2-Dichloroethene	µg/m3	16	16	100	0.67	440	NA	NA	1414CAa		132	158	272	95% Approximate Gamma UCL	272	95% Approximate Gamma UCL
1414 3rd St	CA	cis-1,3-Dichloropropene	µg/m3	2	16	13	0.056	0.056	0.13	0.87	1414CAc	J	0.159	0.144	0.635	95% KM (Chebyshev) UCL	0.056	Maximum Result
1414 3rd St	CA	Ethylbenzene	µg/m3	16	16	100	0.18	1.8	NA	NA	1414CAa		0.885	0.512	1.11	95% Student's-t UCL	1.11	95% Student's-t UCL
1414 3rd St	CA	Freon 11	µg/m3	16	16	100	1.2	4.8	NA	NA	1414CAa		2.19	1.12	2.68	95% Student's-t UCL	2.68	95% Student's-t UCL
1414 3rd St	CA	Freon 113	µg/m3	16	16	100	0.35	0.76	NA	NA	1414CAb		0.626	0.112	0.675	95% Student's-t UCL	0.675	95% Student's-t UCL
1414 3rd St	CA	Freon 12	µg/m3	16	16	100	1.6	13	NA	NA	1414CAb		3.05	2.69	4.23	95% Student's-t UCL	4.23	95% Student's-t UCL
1414 3rd St	CA	Methyl tert-butyl ether	µg/m3	6	16	38	0.014	0.14	0.58	2	1414CAc	J	0.292	0.297	0.0777	95% KM (t) UCL	0.0777	95% KM (t) UCL
1414 3rd St	CA	Methylene chloride	µg/m3	5	16	31	0.37	1.6	0.45	3.7	1414CAb		0.711	0.557	0.801	95% KM (t) UCL	0.801	95% KM (t) UCL
1414 3rd St	CA	Naphthalene	µg/m3	3	16	19	0.41	0.98	0.18	15	1414CAa	J	1.62	1.83	0.638	95% KM (t) UCL	0.638	95% KM (t) UCL
1414 3rd St	CA	Styrene	µg/m3	9	16	56	0.13	0.64	0.083	0.82	1414CAa		0.254	0.208	0.347	95% KM (t) UCL	0.347	95% KM (t) UCL
1414 3rd St	CA	Tetrachloroethene	µg/m3	16	16	100	1.2	19	NA	NA	1414CAa		6.35	5.36	9.47	95% Approximate Gamma UCL	9.47	95% Approximate Gamma UCL
1414 3rd St	CA	Toluene	µg/m3	16	16	100	1.2	16	NA	NA	1414CAc		7.39	4.36	9.3	95% Student's-t UCL	9.3	95% Student's-t UCL
1414 3rd St	CA	trans-1,2-Dichloroethene	µg/m3	12	16	75	0.048	1.1	0.021	0.65	1414CAa	J	0.304	0.317	0.635	95% KM (Chebyshev) UCL	0.635	95% KM (Chebyshev) UCL
1414 3rd St	CA	trans-1,3-Dichloropropene	µg/m3	2	16	13	0.051	0.057	0.13	0.87	1414CAa	J	0.159	0.144	0.0593	95% KM (t) UCL	0.057	Maximum Result
1414 3rd St	CA	Trichloroethene	µg/m3	16	16	100	0.49	28	NA	NA	CMI-CA01		8.46	8.62	13.6	95% Approximate Gamma UCL	13.6	95% Approximate Gamma UCL
1414 3rd St	CA	Vinyl chloride	µg/m3	10	16	63	0.021	7.6	0.042	0.14	1414CAb		0.719	1.89	1.61	95% KM (BCA) UCL	1.61	95% KM (BCA) UCL
1414 3rd St	CA	Xylenes, m & p	µg/m3	16	16	100	0.6	6.9	NA	NA	1414CAc		3.04	1.87	3.86	95% Student's-t UCL	3.86	95% Student's-t UCL
1414 3rd St	CA	Xylenes, o	µg/m3	16	16	100	0.22	1.5	NA	NA	1414CAa		0.796	0.433	0.985	95% Student's-t UCL	0.985	95% Student's-t UCL
1428 3rd St	AA	1,1,1-Trichloroethane	µg/m3	10	11	91	0.051	0.12	0.18	0.18	1428-OA01	J	0.0847	0.0194	0.0941	95% KM (t) UCL	0.0941	95% KM (t) UCL
1428 3rd St	AA	1,1,2,2-Tetrachloroethane	µg/m3	2	11	18	0.15	0.18	0.18	0.23	1428AA	J	0.118	0.0258	0.159	95% KM (t) UCL	0.159	95% KM (t) UCL
1428 3rd St	AA	1,2,4-Trimethylbenzene	µg/m3	11	11	100	0.13	23	NA	NA	1428AA		2.65	6.78	4.74	95% Chebyshev (MVUE) UCL	4.74	95% Chebyshev (MVUE) UCL
1428 3rd St	AA	1,2-Dichloroethane	µg/m3	8	11	73	0.033	0.27	0.12	0.13	1428AA		0.0912	0.076	0.126	95% KM (Percentile Bootstrap) UCL	0.126	95% KM (Percentile Bootstrap) UCL
1428 3rd St	AA	1,2-Dichloropropane	µg/m3	2	11	18	0.046	0.057	0.062	0.79	1428AA	J	0.109	0.141	0.0513	95% KM (t) UCL	0.0513	95% KM (t) UCL
1428 3rd St	AA	1,3,5-Trimethylbenzene	µg/m3	8	11	73	0.047	8	0.046	0.84	1428AA		0.987	2.34	4.09	95% KM (Chebyshev) UCL	4.09	95% KM (Chebyshev) UCL
1428 3rd St	AA	1,3-Dichlorobenzene	µg/m3	2	11	18	0.052	51	0.016	1	1428AA	J	4.78	15.3	66.8	99% KM (Chebyshev) UCL	51	Maximum Result
1428 3rd St	AA	1,4-Dichlorobenzene	µg/m3	3	11	27	0.17	3.5	0.031	1	1428AA	J	0.503	1.01	1.14	95% KM (t) UCL	1.14	95% KM (t) UCL
1428 3rd St	AA	Benzene	µg/m3	11	11	100	0.31	5.6	NA	NA	1428AA	J	1.14	1.57	3.2	95% Chebyshev (Mean, Sd) UCL	3.2	95% Chebyshev (Mean, Sd) UCL
1428 3rd St	AA	Bromomethane	µg/m3	8	11	73	0.075	0.4	0.3	0.31	1428-OA01	J	0.194	0.111	0.244	95% KM (t) UCL	0.244	95% KM (t) UCL
1428 3rd St	AA	Carbon tetrachloride	µg/m3	11	11	100	0.42	0.7	NA	NA	1428AA		0.517	0.088	0.565	95% Student's-t UCL	0.565	95% Student's-t UCL
1428 3rd St	AA	Chlorobenzene	µg/m3	2	11	18	0.022	0.3	0.017	0.79	1428AA		0.137	0.147	0.31	97.5% KM (Chebyshev) UCL	0.3	Maximum Result
1428 3rd St	AA	Chloroethane	µg/m3	4	11	36	0.03	0.11	0.19	0.45	1428AA	J	0.113	0.06	0.089	95% KM (t) UCL	0.089	95% KM (t) UCL
1428 3rd St	AA	Chloroform	µg/m3	8	11	73	0.087	0.38	0.16	0.83	1428AA		0.201	0.132	0.208	95% KM (Percentile Bootstrap) UCL	0.208	95% KM (Percentile Bootstrap) UCL
1428 3rd St	AA	Chloromethane	µg/m3	11	11	100	0.87	1.5	NA	NA	1428AA		1.17	0.21	1.28	95% Student's-t UCL	1.28	95% Student's-t UCL
1428 3rd St	AA	cis-1,3-Dichloropropene	µg/m3	1	11	9	0.052	0.052	0.12	0.78	1428AA	J	0.124	0.129	0.294	Too Few Unique Detected Values *	0.052	Maximum Result
1428 3rd St	AA	Ethylbenzene	µg/m3	11	11	100	0.16	12	NA	NA	1428AA		1.6	3.49	12.1	99% Chebyshev (Mean, Sd) UCL	12	Maximum Result
1428 3rd St	AA	Freon 11	µg/m3	11	11	100	1.1	3.8	NA	NA	1428AA		1.67	0.74	2.08	95% Student's-t UCL	2.08	95% Student's-t UCL
1428 3rd St	AA	Freon 113	µg/m3	11	11	100	0.43	0.8	NA	NA	1428AA		0.613	0.109	0.672	95% Student's-t UCL	0.672	95% Student's-t UCL
1428 3rd St	AA	Freon 114	µg/m3	1	4	25	0.13	0.13	0.23	1.2	1428AA	J	0.361	0.276	NA	Fewer Than Five Samples	0.13	Maximum Result
1428 3rd St	AA	Freon 12	µg/m3	11	11	100	2	3.4	NA	NA	1428AA		2.45	0.461	2.71	95% Student's-t UCL	2.71	95% Student's-t UCL
1428 3rd St	AA	Methyl tert-butyl ether	µg/m3	2	11	18	0.0099	0.023	0.48	0.62	1428AA	J	0.236	0.11	0.0283	95% KM (t) UCL	0.023	Maximum Result
1428 3rd St	AA	Methylene chloride	µg/m3	4	11	36	0.31	21	0.31	1.2	1428AA		2.54	6.21	6.26	95% KM (t) UCL	6.26	95% KM (t) UCL
1428 3rd St	AA	Naphthalene	µg/m3	4	10	40	0.12	16	3.5	4.4	1428AA	J	2.92	4.65	5.18	95% KM (t) UCL	5.18	95% KM (t) UCL
1428 3rd St	AA	Styrene	µg/m3	8	11	73	0.047	6.8	0.031	0.72	1428AA		0.771	2	6.9	99% KM (Chebyshev) UCL	6.8	Maximum Result

Address	Matrix	Parameter	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value	Minimum DL for Non-detects	Maximum DL for Non-detects	Location of Maximum Detected Concentration	Qualifier of Maximum Detected Concentration	Arithmetic Mean Value	Standard Deviation	Recommended UCL	Recommended UCL Basis	Smaller of UCL or Maximum Detect	Smaller of UCL or Maximum Detect Basis
1428 3rd St	AA	Tetrachloroethene	µg/m3	11	11	100	0.074	2.2	NA	NA	1428AA		0.338	0.622	1.16	95% Chebyshev (Mean, Sd) UCL	1.16	95% Chebyshev (Mean, Sd) UCL
1428 3rd St	AA	Toluene	µg/m3	11	11	100	1	32	NA	NA	1428AA		5.95	9.17	12.5	95% Chebyshev (MVUE) UCL	12.5	95% Chebyshev (MVUE) UCL
1428 3rd St	AA	trans-1,2-Dichloroethene	µg/m3	1	11	9	0.042	0.042	0.013	0.68	1428AA	J	0.262	0.12	0.419	Too Few Unique Detected Values *	0.042	Maximum Result
1428 3rd St	AA	trans-1,3-Dichloropropene	µg/m3	1	11	9	0.041	0.041	0.12	0.78	1428AA	J	0.123	0.13	0.294	Too Few Unique Detected Values *	0.041	Maximum Result
1428 3rd St	AA	Trichloroethene	µg/m3	10	11	91	0.025	0.44	0.032	0.032	1428AA		0.106	0.118	0.261	95% KM (Chebyshev) UCL	0.261	95% KM (Chebyshev) UCL
1428 3rd St	AA	Vinyl chloride	µg/m3	1	11	9	0.058	0.058	0.034	0.044	1428AA		0.023	0.0117	0.0385	Too Few Unique Detected Values *	0.0385	Too Few Unique Detected Values *
1428 3rd St	AA	Xylenes, m & p	µg/m3	11	11	100	0.43	44	NA	NA	1428AA		5.85	12.8	44.4	99% Chebyshev (Mean, Sd) UCL	44	Maximum Result
1428 3rd St	AA	Xylenes, o	µg/m3	11	11	100	0.13	18	NA	NA	1428AA		2.18	5.28	18	99% Chebyshev (Mean, Sd) UCL	18	Maximum Result
1428 3rd St	CA	1,1,1-Trichloroethane	µg/m3	17	20	85	0.074	0.15	0.2	8.8	1428CAc	J	0.321	0.96	0.114	95% KM (t) UCL	0.114	95% KM (t) UCL
1428 3rd St	CA	1,1,2,2-Tetrachloroethane	µg/m3	1	20	5	0.074	0.074	0.06	11	1428CAd	J	0.37	1.21	1.55	Too Few Unique Detected Values *	0.074	Maximum Result
1428 3rd St	CA	1,1,2-Trichloroethane	µg/m3	1	20	5	0.065	0.065	0.077	8.8	1428CAd	J	0.275	0.971	1.22	Too Few Unique Detected Values *	0.065	Maximum Result
1428 3rd St	CA	1,1-Dichloroethane	µg/m3	2	20	10	0.015	0.026	0.11	6.5	1428CAa	J	0.22	0.713	0.03	95% KM (t) UCL	0.026	Maximum Result
1428 3rd St	CA	1,2,4-Trimethylbenzene	µg/m3	19	20	95	0.065	57	0.12	0.12	1428-CA01		4.68	13	33.5	99% KM (Chebyshev) UCL	33.5	99% KM (Chebyshev) UCL
1428 3rd St	CA	1,2-Dibromoethane	µg/m3	1	20	5	0.034	0.034	0.22	62	1428CAe	J	1.69	6.9	8.41	Too Few Unique Detected Values *	0.034	Maximum Result
1428 3rd St	CA	1,2-Dichloroethane	µg/m3	12	20	60	0.01	2.9	0.12	6.5	1428CAd		0.46	0.996	2.1	99% KM (Chebyshev) UCL	2.1	99% KM (Chebyshev) UCL
1428 3rd St	CA	1,2-Dichloropropane	µg/m3	5	20	25	0.021	0.3	0.065	37	1428CAd		1.01	4.12	0.0906	95% KM (t) UCL	0.0906	95% KM (t) UCL
1428 3rd St	CA	1,3,5-Trimethylbenzene	µg/m3	17	20	85	0.018	15	0.033	0.16	1428-CA01	J	1.41	3.6	9.46	99% KM (Chebyshev) UCL	9.46	99% KM (Chebyshev) UCL
1428 3rd St	CA	1,4-Dichlorobenzene	µg/m3	10	20	50	0.25	2	0.082	48	1428CAd		1.54	5.3	0.565	95% KM (t) UCL	0.565	95% KM (t) UCL
1428 3rd St	CA	Benzene	µg/m3	19	20	95	0.14	2.4	13	13	1428-CA02		0.878	1.42	1.1	95% KM (Chebyshev) UCL	1.1	95% KM (Chebyshev) UCL
1428 3rd St	CA	Bromomethane	µg/m3	3	20	15	0.13	0.45	0.27	31	1428-CA02	J	0.948	3.43	0.185	95% KM (t) UCL	0.185	95% KM (t) UCL
1428 3rd St	CA	Carbon tetrachloride	µg/m3	19	20	95	0.4	0.63	10	10	1428CAc	J	0.701	1.01	0.501	95% KM (BCA) UCL	0.501	95% KM (BCA) UCL
1428 3rd St	CA	Chlorobenzene	µg/m3	5	20	25	0.02	0.047	0.03	37	1428CAa	J	0.998	4.12	0.0372	95% KM (t) UCL	0.0372	95% KM (t) UCL
1428 3rd St	CA	Chloroethane	µg/m3	9	20	45	0.02	0.63	0.2	21	1428CAc		0.666	2.32	0.178	95% KM (BCA) UCL	0.178	95% KM (BCA) UCL
1428 3rd St	CA	Chloroform	µg/m3	19	20	95	0.19	6.6	39	39	1428CAd		1.98	4.36	2.53	95% KM (Chebyshev) UCL	2.53	95% KM (Chebyshev) UCL
1428 3rd St	CA	Chloromethane	µg/m3	19	20	95	0.2	19	17	17	1428CAc		2.63	4.93	8.88	97.5% KM (Chebyshev) UCL	8.88	97.5% KM (Chebyshev) UCL
1428 3rd St	CA	Ethylbenzene	µg/m3	20	20	100	0.11	4	NA	NA	1428-CA01	J	0.86	0.924	1.26	95% Approximate Gamma UCL	1.26	95% Approximate Gamma UCL
1428 3rd St	CA	Freon 11	µg/m3	19	20	95	1.2	4.7	45	45	1428CAc		3.04	4.67	2.95	95% KM (Chebyshev) UCL	2.95	95% KM (Chebyshev) UCL
1428 3rd St	CA	Freon 113	µg/m3	19	20	95	0.51	0.8	62	62	1428CAc		2.14	6.79	0.654	95% KM (t) UCL	0.654	95% KM (t) UCL
1428 3rd St	CA	Freon 12	µg/m3	19	20	95	1.7	3.1	40	40	1428CAc		3.28	3.95	2.54	95% KM (t) UCL	2.54	95% KM (t) UCL
1428 3rd St	CA	Methylene chloride	µg/m3	7	20	35	0.34	8.2	0.34	56	1428CAc		2.73	6.24	2.17	95% KM (t) UCL	2.17	95% KM (t) UCL
1428 3rd St	CA	Naphthalene	µg/m3	3	16	19	0.58	3	0.11	210	1428-CA02	J	7.99	25.9	1.09	95% KM (t) UCL	1.09	95% KM (t) UCL
1428 3rd St	CA	Styrene	µg/m3	18	20	90	0.04	0.78	0.13	34	1428CAd		1.1	3.75	0.498	95% KM (Chebyshev) UCL	0.498	95% KM (Chebyshev) UCL
1428 3rd St	CA	Tetrachloroethene	µg/m3	20	20	100	0.23	4.8	NA	NA	1428CAc		0.737	1.03	1.74	95% Chebyshev (Mean, Sd) UCL	1.74	95% Chebyshev (Mean, Sd) UCL
1428 3rd St	CA	Toluene	µg/m3	20	20	100	0.46	33	NA	NA	1428-CA01		8.42	8.51	12.6	95% Approximate Gamma UCL	12.6	95% Approximate Gamma UCL
1428 3rd St	CA	trans-1,3-Dichloropropene	µg/m3	1	20	5	0.018	0.018	0.13	36	1428CAe	J	0.983	4.01	4.89	Too Few Unique Detected Values *	0.018	Maximum Result
1428 3rd St	CA	Trichloroethene	µg/m3	20	20	100	0.056	4.2	NA	NA	1428CAd		0.727	1.19	3.37	99% Chebyshev (Mean, Sd) UCL	3.37	99% Chebyshev (Mean, Sd) UCL
1428 3rd St	CA	Vinyl chloride	µg/m3	4	20	20	0.034	10	0.037	2	1428CAc		0.645	2.24	1.58	95% KM (t) UCL	1.58	95% KM (t) UCL
1428 3rd St	CA	Xylenes, m & p	µg/m3	20	20	100	0.15	18	NA	NA	1428-CA01		3.51	4.24	5.49	95% Approximate Gamma UCL	5.49	95% Approximate Gamma UCL
1428 3rd St	CA	Xylenes, o	µg/m3	20	20	100	0.068	11	NA	NA	1428-CA01		1.53	2.72	3.43	95% Chebyshev (MVUE) UCL	3.43	95% Chebyshev (MVUE) UCL
1430 3rd St	AA	1,1,1-Trichloroethane	µg/m3	1	1	100	0.051	0.051	NA	NA	1430-OA01	J	0.051	NA	NA	Fewer Than Five Samples	0.051	Maximum Result
1430 3rd St	AA	1,2,4-Trimethylbenzene	µg/m3	1	1	100	0.3	0.3	NA	NA	1430-OA01	J	0.3	NA	NA	Fewer Than Five Samples	0.3	Maximum Result
1430 3rd St	AA	1,2-Dichloroethane	µg/m3	1	1	100	0.066	0.066	NA	NA	1430-OA01	J	0.066	NA	NA	Fewer Than Five Samples	0.066	Maximum Result
1430 3rd St	AA	Benzene	µg/m3	1	1	100	0.34	0.34	NA	NA	1430-OA01		0.34	NA	NA	Fewer Than Five Samples	0.34	Maximum Result
1430 3rd St	AA	Bromomethane	µg/m3	1	1	100	0.31	0.31	NA	NA	1430-OA01	J	0.31	NA	NA	Fewer Than Five Samples	0.31	Maximum Result
1430 3rd St	AA	Carbon tetrachloride	µg/m3	1	1	100	0.42	0.42	NA	NA	1430-OA01		0.42	NA	NA	Fewer Than Five Samples	0.42	Maximum Result
1430 3rd St	AA	Chloromethane	µg/m3	1	1	100	1	1	NA	NA	1430-OA01		1	NA	NA	Fewer Than Five Samples	1	Maximum Result
1430 3rd St	AA	Ethylbenzene	µg/m3	1	1	100	0.24	0.24	NA	NA	1430-OA01		0.24	NA	NA	Fewer Than Five Samples	0.24	Maximum Result
1430 3rd St	AA	Freon 11	µg/m3	1	1	100	1.3	1.3	NA	NA	1430-OA01		1.3	NA	NA	Fewer Than Five Samples	1.3	Maximum Result
1430 3rd St	AA	Freon 113	µg/m3	1	1	100	0.43	0.43	NA	NA	1430-OA01	J	0.43	NA	NA	Fewer Than Five Samples	0.43	Maximum Result
1430 3rd St	AA	Freon 12	µg/m3	1	1	100	2.1	2.1	NA	NA	1430-OA01		2.1	NA	NA	Fewer Than Five Samples	2.1	Maximum Result
1430 3rd St	AA	Methylene chloride	µg/m3	1	1	100	0.31	0.31	NA	NA	1430-OA01	J	0.31	NA	NA	Fewer Than Five Samples	0.31	Maximum Result
1430 3rd St	AA	Tetrachloroethene	µg/m3	1	1	100	0.086	0.086	NA	NA	1430-OA01	J	0.086	NA	NA	Fewer Than Five Samples	0.086	Maximum Result
1430 3rd St	AA	Toluene	µg/m3	1	1	100	1.7	1.7	NA	NA	1430-OA01		1.7	NA	NA	Fewer Than Five Samples	1.7	Maximum Result
1430 3rd St	AA	Trichloroethene	µg/m3	1	1	100	0.025	0.025	NA	NA	1430-OA01	J	0.025	NA	NA	Fewer Than Five Samples	0.025	Maximum Result
1430 3rd St	AA	Xylenes, m & p	µg/m3	1	1	100	0.79	0.79	NA	NA	1430-OA01		0.79	NA	NA	Fewer Than Five Samples	0.79	Maximum Result
1430 3rd St	AA	Xylenes, o	µg/m3	1	1	100	0.27	0.27	NA	NA	1430-OA01		0.27	NA	NA	Fewer Than Five Samples	0.27	Maximum Result
1432 3rd St	AA	1,1,1-Trichloroethane	µg/m3	10	11	91	0.04	0.11	0.18	0.18	1432AA	J	0.0729	0.0211	0.0823	95% KM (t) UCL	0.0823	95% KM (t) UCL
1432 3rd St	AA	1,2,4-Trimethylbenzene	µg/m3	10	11	91	0.087	1.6	0.81	0.81	1432AA		0.423	0.429	0.983	95% KM (Chebyshev) UCL	0.983	95% KM (Chebyshev) UCL
1432 3rd St	AA	1,2-Dichlorobenzene	µg/m3	1	11	9	0.13	0.13	0.015	0.99	1432AA	J	0.163	0.167	0.382	Too Few Unique Detected Values *	0.13	Maximum Result
1432 3rd St	AA	1,2-Dichloroethane	µg/m3	9	11	82	0.028	0.069	0.13	0.14	1432AA	J	0.051	0.016	0.0557	95% KM (t) UCL	0.0557	95% KM (t) UCL
1432 3rd St	AA	1,2-Dichloropropane	µg/m3	2	11	18	0.025	0.064	0.065	0.76	1432AA	J	0.108	0.136	0.0438	95% KM (t) UCL	0.0438	95% KM (t) UCL
1432 3rd St	AA	1,3,5-Trimethylbenzene	µg/m3	8	11	73	0.035	0.6	0.16	0.81	1432AA		0.196	0.187	0.354	95% KM (Chebyshev) UCL	0.354	95% KM (Chebyshev) UCL
1432 3rd St	AA	1,3-Dichlorobenzene	µg/m3	1	11	9	0.092	0.092	0.17	0.99	1432AA	J	0.167	0.162	0.38	Too Few Unique Detected Values *	0.092	Maximum Result
1432 3rd St	AA	1,4-Dichlorobenzene	µg/m3	1	11	9	0.25	0.25	0.042	0.99	1432AA	J	0.162	0.176	0.394	Too Few Unique Detected Values *	0.25	Maximum Result
1432 3rd St	AA	Benzene	µg/m3	11	11	100	0.24	1.6	NA	NA	1432AA		0.586	0.405	0.852	95% Approximate Gamma UCL	0.852	95% Approximate Gamma UCL
1432 3rd St	AA	Bromomethane	µg/m3	8	11	73	0.057	1.8	0.27	0.35	1432-OA01	J	0.412	0.579	1.18	95% KM (Chebyshev) UCL	1.18	95% KM (Chebyshev) UCL

Address	Matrix	Parameter	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value	Minimum DL for Non-detects	Maximum DL for Non-detects	Location of Maximum Detected Concentration	Qualifier of Maximum Detected Concentration	Arithmetic Mean Value	Standard Deviation	Recommended UCL	Recommended UCL Basis	Smaller of UCL or Maximum Detect	Smaller of UCL or Maximum Detect Basis
1432 3rd St	AA	Carbon tetrachloride	µg/m3	11	11	100	0.42	0.6	NA	NA	1432AA		0.491	0.0627	0.525	95% Student's-t UCL	0.525	95% Student's-t UCL
1432 3rd St	AA	Chlorobenzene	µg/m3	1	11	9	0.022	0.022	0.019	0.76	1432AA	J	0.117	0.132	0.291	Too Few Unique Detected Values *	0.022	Maximum Result
1432 3rd St	AA	Chloroethane	µg/m3	3	11	27	0.048	0.12	0.19	0.43	1432AA	J	0.119	0.0514	0.0991	95% KM (t) UCL	0.0991	95% KM (t) UCL
1432 3rd St	AA	Chloroform	µg/m3	9	11	82	0.088	0.36	0.8	0.8	1432AA		0.219	0.122	0.234	95% KM (t) UCL	0.234	95% KM (t) UCL
1432 3rd St	AA	Chloromethane	µg/m3	11	11	100	0.6	1.8	NA	NA	1432AA		1.03	0.319	1.21	95% Student's-t UCL	1.21	95% Student's-t UCL
1432 3rd St	AA	cis-1,3-Dichloropropene	µg/m3	1	11	9	0.051	0.051	0.13	0.74	1432AA	J	0.124	0.122	0.284	Too Few Unique Detected Values *	0.051	Maximum Result
1432 3rd St	AA	Ethylbenzene	µg/m3	11	11	100	0.1	1.5	NA	NA	1432AA		0.373	0.41	0.642	95% Approximate Gamma UCL	0.642	95% Approximate Gamma UCL
1432 3rd St	AA	Freon 11	µg/m3	11	11	100	1.1	3.8	NA	NA	1432AA		1.64	0.761	2.05	95% Student's-t UCL	2.05	95% Student's-t UCL
1432 3rd St	AA	Freon 113	µg/m3	11	11	100	0.38	0.72	NA	NA	1432AA		0.588	0.105	0.645	95% Student's-t UCL	0.645	95% Student's-t UCL
1432 3rd St	AA	Freon 114	µg/m3	1	4	25	0.13	0.13	0.22	1.1	1432AA	J	0.335	0.248	NA	Fewer Than Five Samples	0.13	Maximum Result
1432 3rd St	AA	Freon 12	µg/m3	11	11	100	1.5	2.9	NA	NA	1432AA		2.3	0.395	2.52	95% Student's-t UCL	2.52	95% Student's-t UCL
1432 3rd St	AA	Methyl tert-butyl ether	µg/m3	1	11	9	0.019	0.019	0.51	0.64	1432AA	J	0.264	0.0839	0.375	Too Few Unique Detected Values *	0.019	Maximum Result
1432 3rd St	AA	Methylene chloride	µg/m3	4	11	36	0.21	4.5	0.27	1.2	1432AA		0.955	1.47	1.78	95% KM (t) UCL	1.78	95% KM (t) UCL
1432 3rd St	AA	Naphthalene	µg/m3	4	10	40	0.27	0.74	3.7	4.3	1432AA	J	1.42	0.768	0.749	95% KM (t) UCL	0.74	Maximum Result
1432 3rd St	AA	Styrene	µg/m3	6	11	55	0.032	0.4	0.038	0.7	1432AA		0.148	0.145	0.193	95% KM (t) UCL	0.193	95% KM (t) UCL
1432 3rd St	AA	Tetrachloroethene	µg/m3	10	11	91	0.035	0.38	0.2	0.2	1432AA		0.172	0.124	0.239	95% KM (t) UCL	0.239	95% KM (t) UCL
1432 3rd St	AA	Toluene	µg/m3	11	11	100	0.48	9.9	NA	NA	1432AA		2.18	2.74	3.96	95% Approximate Gamma UCL	3.96	95% Approximate Gamma UCL
1432 3rd St	AA	trans-1,3-Dichloropropene	µg/m3	1	11	9	0.046	0.046	0.13	0.74	1432AA	J	0.124	0.122	0.284	Too Few Unique Detected Values *	0.046	Maximum Result
1432 3rd St	AA	Trichloroethene	µg/m3	7	11	64	0.02	0.23	0.023	0.18	1432AA		0.0695	0.0636	0.102	95% KM (t) UCL	0.102	95% KM (t) UCL
1432 3rd St	AA	Xylenes, m & p	µg/m3	11	11	100	0.29	5.2	NA	NA	1432AA		1.18	1.43	2.12	95% Approximate Gamma UCL	2.12	95% Approximate Gamma UCL
1432 3rd St	AA	Xylenes, o	µg/m3	11	11	100	0.088	1.7	NA	NA	1432AA		0.397	0.468	0.704	95% Approximate Gamma UCL	0.704	95% Approximate Gamma UCL
1432 3rd St	CA	1,1,1-Trichloroethane	µg/m3	10	11	91	0.046	0.12	0.18	0.18	1432CA	J	0.0835	0.026	0.0961	95% KM (t) UCL	0.0961	95% KM (t) UCL
1432 3rd St	CA	1,2,4-Trimethylbenzene	µg/m3	11	11	100	0.066	31	NA	NA	1432CA		3.25	9.21	30.9	99% Chebyshev (Mean, Sd) UCL	30.9	99% Chebyshev (Mean, Sd) UCL
1432 3rd St	CA	1,2-Dichlorobenzene	µg/m3	1	11	9	0.16	0.16	0.0094	1.1	1432CA	J	0.165	0.183	0.405	Too Few Unique Detected Values *	0.16	Maximum Result
1432 3rd St	CA	1,2-Dichloroethane	µg/m3	9	11	82	0.03	0.91	0.13	0.14	1432CA		0.138	0.258	0.627	97.5% KM (Chebyshev) UCL	0.627	97.5% KM (Chebyshev) UCL
1432 3rd St	CA	1,2-Dichloropropane	µg/m3	3	11	27	0.03	0.11	0.067	0.86	1432CA		0.119	0.146	0.0615	95% KM (t) UCL	0.0615	95% KM (t) UCL
1432 3rd St	CA	1,3,5-Trimethylbenzene	µg/m3	9	11	82	0.047	11	0.16	0.82	1432CA		1.17	3.27	11.1	99% KM (Chebyshev) UCL	11	Maximum Result
1432 3rd St	CA	1,3-Dichlorobenzene	µg/m3	3	11	27	0.12	63	0.023	1	1432CA		5.88	18.9	72.3	99% KM (Chebyshev) UCL	63	Maximum Result
1432 3rd St	CA	1,4-Dichlorobenzene	µg/m3	4	11	36	0.29	4.8	0.059	1.1	1432CA		0.709	1.41	1.63	95% KM (t) UCL	1.63	95% KM (t) UCL
1432 3rd St	CA	1,4-Dioxane (p-dioxane)	µg/m3	1	11	9	0.26	0.26	0.025	0.67	1432CA	J	0.262	0.0854	0.374	Too Few Unique Detected Values *	0.26	Maximum Result
1432 3rd St	CA	Benzene	µg/m3	11	11	100	0.19	16	NA	NA	1432CA	J	2.03	4.67	16	99% Chebyshev (Mean, Sd) UCL	16	Maximum Result
1432 3rd St	CA	Bromomethane	µg/m3	6	11	55	0.041	0.78	0.28	0.73	1432CA		0.261	0.213	0.33	95% KM (t) UCL	0.33	95% KM (t) UCL
1432 3rd St	CA	Carbon tetrachloride	µg/m3	11	11	100	0.43	0.58	NA	NA	1432CA		0.501	0.0545	0.531	95% Student's-t UCL	0.531	95% Student's-t UCL
1432 3rd St	CA	Chlorobenzene	µg/m3	3	11	27	0.029	0.4	0.021	0.86	1432CA		0.144	0.169	0.146	95% KM (t) UCL	0.146	95% KM (t) UCL
1432 3rd St	CA	Chloroethane	µg/m3	5	11	45	0.032	0.37	0.19	0.44	1432CA		0.144	0.105	0.166	95% KM (t) UCL	0.166	95% KM (t) UCL
1432 3rd St	CA	Chloroform	µg/m3	9	11	82	0.18	0.65	0.82	0.91	1432CA		0.34	0.142	0.389	95% KM (t) UCL	0.389	95% KM (t) UCL
1432 3rd St	CA	Chloromethane	µg/m3	11	11	100	0.43	7.2	NA	NA	1432CA		1.57	2	3.07	95% H-UCL	3.07	95% H-UCL
1432 3rd St	CA	cis-1,3-Dichloropropene	µg/m3	1	11	9	0.036	0.036	0.12	0.85	1432CA	J	0.127	0.137	0.307	Too Few Unique Detected Values *	0.036	Maximum Result
1432 3rd St	CA	Ethylbenzene	µg/m3	11	11	100	0.046	20	NA	NA	1432CA		2.23	5.91	20	99% Chebyshev (Mean, Sd) UCL	20	99% Chebyshev (Mean, Sd) UCL
1432 3rd St	CA	Freon 11	µg/m3	11	11	100	1.2	3.7	NA	NA	1432CA		1.78	0.682	2.16	95% Student's-t UCL	2.16	95% Student's-t UCL
1432 3rd St	CA	Freon 113	µg/m3	11	11	100	0.56	0.74	NA	NA	1432CA		0.643	0.06	0.676	95% Student's-t UCL	0.676	95% Student's-t UCL
1432 3rd St	CA	Freon 114	µg/m3	1	4	25	0.23	0.23	0.23	1.3	1432CA		0.399	0.266	NA	Fewer Than Five Samples	0.23	Maximum Result
1432 3rd St	CA	Freon 12	µg/m3	11	11	100	1.6	2.8	NA	NA	1432CA		2.34	0.367	2.54	95% Student's-t UCL	2.54	95% Student's-t UCL
1432 3rd St	CA	Methyl tert-butyl ether	µg/m3	1	11	9	0.019	0.019	0.53	0.67	1432CA	J	0.266	0.0841	0.376	Too Few Unique Detected Values *	0.019	Maximum Result
1432 3rd St	CA	Methylene chloride	µg/m3	4	11	36	0.3	3.3	0.35	1.2	1432CA		0.79	1.01	1.37	95% KM (t) UCL	1.37	95% KM (t) UCL
1432 3rd St	CA	Naphthalene	µg/m3	2	9	22	0.71	0.92	0.42	4.9	1432CA	J	1.42	0.893	0.882	95% KM (t) UCL	0.882	95% KM (t) UCL
1432 3rd St	CA	Styrene	µg/m3	8	11	73	0.05	11	0.14	0.8	1432CA		1.23	3.25	5.56	95% KM (Chebyshev) UCL	5.56	95% KM (Chebyshev) UCL
1432 3rd St	CA	Tetrachloroethene	µg/m3	10	11	91	0.06	3.2	0.2	0.2	1432CA		0.494	0.906	2.21	97.5% KM (Chebyshev) UCL	2.21	97.5% KM (Chebyshev) UCL
1432 3rd St	CA	Toluene	µg/m3	11	11	100	0.17	77	NA	NA	1432CA		11.6	22.5	30.6	95% Approximate Gamma UCL	30.6	95% Approximate Gamma UCL
1432 3rd St	CA	trans-1,3-Dichloropropene	µg/m3	1	11	9	0.04	0.04	0.12	0.85	1432CA	J	0.128	0.137	0.307	Too Few Unique Detected Values *	0.04	Maximum Result
1432 3rd St	CA	Trichloroethene	µg/m3	10	11	91	0.033	1.5	0.036	0.036	1432CA		0.304	0.441	0.886	95% KM (Chebyshev) UCL	0.886	95% KM (Chebyshev) UCL
1432 3rd St	CA	Vinyl chloride	µg/m3	6	11	55	0.032	2.8	0.037	0.042	1432CA		0.294	0.832	2.9	99% KM (Chebyshev) UCL	2.8	Maximum Result
1432 3rd St	CA	Xylenes, m & p	µg/m3	11	11	100	0.1	94	NA	NA	1432CA		9.97	27.9	93.7	99% Chebyshev (Mean, Sd) UCL	93.7	99% Chebyshev (Mean, Sd) UCL
1432 3rd St	CA	Xylenes, o	µg/m3	11	11	100	0.059	33	NA	NA	1432CA		3.39	9.83	32.9	99% Chebyshev (Mean, Sd) UCL	32.9	99% Chebyshev (Mean, Sd) UCL
1436 3rd St	AA	1,1,1-Trichloroethane	µg/m3	5	6	83	0.055	0.11	0.17	0.17	1436AA	J	0.0837	0.0188	0.099	95% KM (t) UCL	0.099	95% KM (t) UCL
1436 3rd St	AA	1,2,4-Trimethylbenzene	µg/m3	6	6	100	0.15	2.4	NA	NA	1436AA		0.853	0.891	1.59	95% Student's-t UCL	1.59	95% Student's-t UCL
1436 3rd St	AA	1,2-Dichlorobenzene	µg/m3	1	6	17	0.1	0.1	0.17	1	1436AA	J	0.161	0.166	0.457	Too Few Unique Detected Values *	0.1	Maximum Result
1436 3rd St	AA	1,2-Dichloroethane	µg/m3	4	6	67	0.029	0.061	0.11	0.13	1436AA	J	0.0522	0.0127	0.061	95% KM (t) UCL	0.061	95% KM (t) UCL
1436 3rd St	AA	1,3,5-Trimethylbenzene	µg/m3	6	6	100	0.062	0.86	NA	NA	1436AA		0.286	0.305	0.537	95% Student's-t UCL	0.537	95% Student's-t UCL
1436 3rd St	AA	1,3-Dichlorobenzene	µg/m3	1	6	17	0.074	0.074	0.17	1	1436AA	J	0.157	0.168	0.456	Too Few Unique Detected Values *	0.074	Maximum Result
1436 3rd St	AA	1,4-Dichlorobenzene	µg/m3	2	6	33	0.14	0.23	0.19	1	1436AA		0.199	0.155	0.204	95% KM (t) UCL	0.204	95% KM (t) UCL
1436 3rd St	AA	1,4-Dioxane (p-dioxane)	µg/m3	1	6	17	0.22	0.22	0.5	0.6	1436AA	J	0.271	0.0299	0.324	Too Few Unique Detected Values *	0.22	Maximum Result
1436 3rd St	AA	Benzene	µg/m3	6	6	100	0.24	1.8	NA	NA	1436AA		0.862	0.561	1.32	95% Student's-t UCL	1.32	95% Student's-t UCL
1436 3rd St	AA	Bromomethane	µg/m3	4	6	67	0.051	0.34	0.31	0.65	1436AA		0.23	0.119	0.295	95% KM (t) UCL	0.295	95% KM (t) UCL
1436 3rd St	AA	Carbon tetrachloride	µg/m3	6	6	100	0.46	0.63	NA	NA	1436AA		0.515	0.0641	0.568	95% Student's-t UCL	0.568	95% Student's-t UCL
1436 3rd St	AA	Chlorobenzene	µg/m3	3	6	50	0.022	0.048	0.14	0.77	1436AA	J	0.104	0.139	0.0485	95% KM (t) UCL	0.048	Maximum Result

Address	Matrix	Parameter	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value	Minimum DL for Non-detects	Maximum DL for Non-detects	Location of Maximum Detected Concentration	Qualifier of Maximum Detected Concentration	Arithmetic Mean Value	Standard Deviation	Recommended UCL	Recommended UCL Basis	Smaller of UCL or Maximum Detect	Smaller of UCL or Maximum Detect Basis
1436 3rd St	AA	Chloroethane	µg/m3	4	6	67	0.039	0.07	0.21	0.44	1436AA	J	0.09	0.0679	0.0689	95% KM (t) UCL	0.0689	95% KM (t) UCL
1436 3rd St	AA	Chloroform	µg/m3	5	6	83	0.09	0.39	0.82	0.82	1436AA		0.217	0.144	0.274	95% KM (BCA) UCL	0.274	95% KM (BCA) UCL
1436 3rd St	AA	Chloromethane	µg/m3	6	6	100	0.95	8	NA	NA	1436AA	J	2.26	2.82	7.27	95% Chebyshev (Mean, Sd) UCL	7.27	95% Chebyshev (Mean, Sd) UCL
1436 3rd St	AA	Ethylbenzene	µg/m3	6	6	100	0.13	2.2	NA	NA	1436AA		0.837	0.89	1.57	95% Student's-t UCL	1.57	95% Student's-t UCL
1436 3rd St	AA	Freon 11	µg/m3	6	6	100	1.3	2.4	NA	NA	1436AA		1.62	0.436	1.98	95% Student's-t UCL	1.98	95% Student's-t UCL
1436 3rd St	AA	Freon 113	µg/m3	6	6	100	0.58	0.74	NA	NA	1436AA		0.64	0.0636	0.692	95% Student's-t UCL	0.692	95% Student's-t UCL
1436 3rd St	AA	Freon 114	µg/m3	1	3	33	0.14	0.14	0.22	1.2	1436AA	J	0.283	0.275	NA	Fewer Than Five Samples	0.14	Maximum Result
1436 3rd St	AA	Freon 12	µg/m3	6	6	100	2.3	3	NA	NA	1436AA		2.58	0.271	2.81	95% Student's-t UCL	2.81	95% Student's-t UCL
1436 3rd St	AA	Methylene chloride	µg/m3	4	6	67	0.22	11	1.1	1.1	1436AA		3.44	4.13	6.99	95% KM (t) UCL	6.99	95% KM (t) UCL
1436 3rd St	AA	Naphthalene	µg/m3	2	5	40	0.069	0.62	3.6	4.4	1436AA	J	1.35	0.947	2.07	97.5% KM (Chebyshev) UCL	0.62	Maximum Result
1436 3rd St	AA	Styrene	µg/m3	4	6	67	0.037	0.34	0.13	0.72	1436AA		0.2	0.162	0.314	95% KM (t) UCL	0.314	95% KM (t) UCL
1436 3rd St	AA	Tetrachloroethene	µg/m3	4	6	67	0.065	0.31	0.21	0.21	1436AA		0.171	0.0972	0.252	95% KM (t) UCL	0.252	95% KM (t) UCL
1436 3rd St	AA	Toluene	µg/m3	6	6	100	0.68	14	NA	NA	1436AA		5.36	6.32	16.3	95% Chebyshev (MVUE) UCL	14	Maximum Result
1436 3rd St	AA	Trichloroethene	µg/m3	3	6	50	0.058	0.26	0.025	0.18	1436AA		0.102	0.0961	0.189	95% KM (t) UCL	0.189	95% KM (t) UCL
1436 3rd St	AA	Vinyl chloride	µg/m3	1	6	17	0.7	0.7	0.039	0.043	1436AA	J	0.134	0.278	0.627	Too Few Unique Detected Values *	0.627	Too Few Unique Detected Values *
1436 3rd St	AA	Xylenes, m & p	µg/m3	6	6	100	0.34	7.9	NA	NA	1436AA		2.81	3.26	9.67	95% Approximate Gamma UCL	7.9	Maximum Result
1436 3rd St	AA	Xylenes, o	µg/m3	6	6	100	0.11	2.5	NA	NA	1436AA		0.847	0.98	1.65	95% Student's-t UCL	1.65	95% Student's-t UCL
320 Center St	AA	1,1,1-Trichloroethane	µg/m3	5	5	100	0.053	0.096	NA	NA	320AA	J	0.0716	0.0159	0.0868	95% Student's-t UCL	0.0868	95% Student's-t UCL
320 Center St	AA	1,2,4-Trimethylbenzene	µg/m3	5	5	100	0.13	2.4	NA	NA	320AA		0.808	0.954	1.72	95% Student's-t UCL	1.72	95% Student's-t UCL
320 Center St	AA	1,2-Dichloroethane	µg/m3	5	5	100	0.031	0.09	NA	NA	320AA	J	0.0548	0.0249	0.0785	95% Student's-t UCL	0.0785	95% Student's-t UCL
320 Center St	AA	1,3,5-Trimethylbenzene	µg/m3	5	5	100	0.045	0.83	NA	NA	320AA		0.264	0.333	1.12	95% Approximate Gamma UCL	0.83	Maximum Result
320 Center St	AA	1,4-Dichlorobenzene	µg/m3	1	5	20	0.19	0.19	0.039	1.1	320AA		0.187	0.216	0.608	Too Few Unique Detected Values *	0.19	Maximum Result
320 Center St	AA	Benzene	µg/m3	5	5	100	0.26	1.8	NA	NA	320AA		0.74	0.641	1.35	95% Student's-t UCL	1.35	95% Student's-t UCL
320 Center St	AA	Bromomethane	µg/m3	3	5	60	0.047	0.18	0.3	0.7	320AA	J	0.177	0.109	0.189	95% KM (t) UCL	0.18	Maximum Result
320 Center St	AA	Carbon tetrachloride	µg/m3	5	5	100	0.47	0.56	NA	NA	320AA		0.508	0.0396	0.546	95% Student's-t UCL	0.546	95% Student's-t UCL
320 Center St	AA	Chlorobenzene	µg/m3	1	5	20	0.02	0.02	0.013	0.82	320AA	J	0.118	0.166	0.443	Too Few Unique Detected Values *	0.02	Maximum Result
320 Center St	AA	Chloroform	µg/m3	4	5	80	0.12	0.35	0.87	0.87	320AA		0.243	0.143	0.311	95% KM (t) UCL	0.311	95% KM (t) UCL
320 Center St	AA	Chloromethane	µg/m3	5	5	100	0.78	1.1	NA	NA	320AA		0.976	0.137	1.11	95% Student's-t UCL	1.1	Maximum Result
320 Center St	AA	cis-1,3-Dichloropropene	µg/m3	1	5	20	0.046	0.046	0.14	0.81	320AA	J	0.139	0.15	0.431	Too Few Unique Detected Values *	0.046	Maximum Result
320 Center St	AA	Ethylbenzene	µg/m3	5	5	100	0.13	1.8	NA	NA	320AA		0.604	0.701	1.27	95% Student's-t UCL	1.27	95% Student's-t UCL
320 Center St	AA	Freon 11	µg/m3	5	5	100	1.3	3.5	NA	NA	320AA		1.86	0.932	3.09	95% Approximate Gamma UCL	3.09	95% Approximate Gamma UCL
320 Center St	AA	Freon 113	µg/m3	4	5	80	0.56	0.8	1.4	1.4	320AA		0.654	0.101	0.736	95% KM (t) UCL	0.736	95% KM (t) UCL
320 Center St	AA	Freon 12	µg/m3	5	5	100	2.2	2.8	NA	NA	320AA		2.42	0.249	2.66	95% Student's-t UCL	2.66	95% Student's-t UCL
320 Center St	AA	Methylene chloride	µg/m3	3	5	60	0.3	4.2	0.36	0.43	320AA		1.2	1.72	3.01	95% KM (t) UCL	3.01	95% KM (t) UCL
320 Center St	AA	Naphthalene	µg/m3	1	5	20	1.9	1.9	0.17	4.8	320-OA01	J	1.02	1.06	3.08	Too Few Unique Detected Values *	1.9	Maximum Result
320 Center St	AA	Styrene	µg/m3	4	5	80	0.053	0.35	0.76	0.76	320AA		0.208	0.155	0.315	95% KM (t) UCL	0.315	95% KM (t) UCL
320 Center St	AA	Tetrachloroethene	µg/m3	5	5	100	0.063	0.27	NA	NA	320AA		0.15	0.105	0.348	95% Approximate Gamma UCL	0.27	Maximum Result
320 Center St	AA	Toluene	µg/m3	5	5	100	0.91	11	NA	NA	320AA		4.42	4.49	8.71	95% Student's-t UCL	8.71	95% Student's-t UCL
320 Center St	AA	trans-1,3-Dichloropropene	µg/m3	1	5	20	0.037	0.037	0.14	0.81	320AA	J	0.137	0.151	0.432	Too Few Unique Detected Values *	0.037	Maximum Result
320 Center St	AA	Trichloroethene	µg/m3	5	5	100	0.028	0.1	NA	NA	320AA		0.0572	0.0391	0.133	95% Chebyshev (Mean, Sd) UCL	0.1	Maximum Result
320 Center St	AA	Xylenes, m & p	µg/m3	5	5	100	0.41	6.4	NA	NA	320AA		2.04	2.5	7.68	95% Approximate Gamma UCL	6.4	Maximum Result
320 Center St	AA	Xylenes, o	µg/m3	5	5	100	0.14	2.2	NA	NA	320AA		0.702	0.851	2.56	95% Approximate Gamma UCL	2.2	Maximum Result
320 Center St	CA	1,1,1-Trichloroethane	µg/m3	6	6	100	0.052	0.14	NA	NA	320-CA01	J	0.089	0.0338	0.117	95% Student's-t UCL	0.117	95% Student's-t UCL
320 Center St	CA	1,2,4-Trimethylbenzene	µg/m3	6	6	100	0.22	2	NA	NA	320CA		0.64	0.672	1.94	95% H-UCL	1.94	95% H-UCL
320 Center St	CA	1,2-Dichloroethane	µg/m3	6	6	100	0.037	1.2	NA	NA	320CA		0.32	0.447	1.17	95% Approximate Gamma UCL	1.17	95% Approximate Gamma UCL
320 Center St	CA	1,2-Dichloropropane	µg/m3	1	6	17	0.14	0.14	0.061	0.84	320CA		0.171	0.177	0.486	Too Few Unique Detected Values *	0.14	Maximum Result
320 Center St	CA	1,3,5-Trimethylbenzene	µg/m3	6	6	100	0.069	0.74	NA	NA	320CA		0.232	0.251	0.678	95% Chebyshev (Mean, Sd) UCL	0.678	95% Chebyshev (Mean, Sd) UCL
320 Center St	CA	1,4-Dichlorobenzene	µg/m3	3	6	50	0.34	1.4	0.058	0.12	320CA		0.372	0.525	0.916	95% KM (t) UCL	0.916	95% KM (t) UCL
320 Center St	CA	Benzene	µg/m3	6	6	100	0.3	2	NA	NA	320CA		0.813	0.621	1.32	95% Student's-t UCL	1.32	95% Student's-t UCL
320 Center St	CA	Bromomethane	µg/m3	5	6	83	0.087	0.49	0.3	0.3	320-CA01	J	0.231	0.148	0.353	95% KM (t) UCL	0.353	95% KM (t) UCL
320 Center St	CA	Carbon tetrachloride	µg/m3	6	6	100	0.37	0.6	NA	NA	320CA		0.463	0.0896	0.537	95% Student's-t UCL	0.537	95% Student's-t UCL
320 Center St	CA	Chlorobenzene	µg/m3	1	6	17	0.032	0.032	0.016	0.84	320CA	J	0.159	0.183	0.485	Too Few Unique Detected Values *	0.032	Maximum Result
320 Center St	CA	Chloroethane	µg/m3	1	6	17	0.029	0.029	0.2	0.48	320CA	J	0.13	0.0792	0.271	Too Few Unique Detected Values *	0.029	Maximum Result
320 Center St	CA	Chloroform	µg/m3	4	6	67	0.14	0.56	0.77	0.89	320CA		0.307	0.181	0.353	95% KM (BCA) UCL	0.353	95% KM (BCA) UCL
320 Center St	CA	Chloromethane	µg/m3	6	6	100	0.83	1.1	NA	NA	320-CA01		0.957	0.0969	1.04	95% Student's-t UCL	1.04	95% Student's-t UCL
320 Center St	CA	cis-1,3-Dichloropropene	µg/m3	1	6	17	0.053	0.053	0.12	0.83	320CA	J	0.171	0.168	0.471	Too Few Unique Detected Values *	0.053	Maximum Result
320 Center St	CA	Ethylbenzene	µg/m3	6	6	100	0.36	1.8	NA	NA	320CA		0.698	0.545	1.67	95% Chebyshev (Mean, Sd) UCL	1.67	95% Chebyshev (Mean, Sd) UCL
320 Center St	CA	Freon 11	µg/m3	6	6	100	1.2	3.5	NA	NA	320CA		1.82	0.868	2.71	95% Approximate Gamma UCL	2.71	95% Approximate Gamma UCL
320 Center St	CA	Freon 113	µg/m3	6	6	100	0.43	0.72	NA	NA	320CA		0.55	0.11	0.64	95% Student's-t UCL	0.64	95% Student's-t UCL
320 Center St	CA	Freon 12	µg/m3	6	6	100	1.9	2.7	NA	NA	320CA		2.25	0.308	2.5	95% Student's-t UCL	2.5	95% Student's-t UCL
320 Center St	CA	Methyl tert-butyl ether	µg/m3	1	6	17	0.022	0.022	0.56	0.66	320CA	J	0.246	0.112	0.445	Too Few Unique Detected Values *	0.022	Maximum Result
320 Center St	CA	Methylene chloride	µg/m3	3	6	50	0.51	4.4	0.41	0.57	320CA		1.04	1.65	4.4	95% KM (BCA) UCL	4.4	95% KM (BCA) UCL
320 Center St	CA	Styrene	µg/m3	6	6	100	0.074	0.51	NA	NA	320CA		0.309	0.186	0.462	95% Student's-t UCL	0.462	95% Student's-t UCL
320 Center St	CA	Tetrachloroethene	µg/m3	6	6	100	0.14	0.71	NA	NA	320CA		0.292	0.214	0.539	95% Approximate Gamma UCL	0.539	95% Approximate Gamma UCL
320 Center St	CA	Toluene	µg/m3	6	6	100	3	17	NA	NA	320CA		8.82	6.43	14.1	95% Student's-t UCL	14.1	95% Student's-t UCL
320 Center St	CA	trans-1,3-Dichloropropene	µg/m3	1	6	17	0.047	0.047	0.12	0.83	320CA	J	0.17	0.169	0.472	Too Few Unique Detected Values *	0.047	Maximum Result

Address	Matrix	Parameter	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value	Minimum DL for Non-detects	Maximum DL for Non-detects	Location of Maximum Detected Concentration	Qualifier of Maximum Detected Concentration	Arithmetic Mean Value	Standard Deviation	Recommended UCL	Recommended UCL Basis	Smaller of UCL or Maximum Detect	Smaller of UCL or Maximum Detect Basis
320 Center St	CA	Trichloroethene	µg/m3	6	6	100	0.051	1.8	NA	NA	320CA		0.618	0.695	1.19	95% Student's-t UCL	1.19	95% Student's-t UCL
320 Center St	CA	Vinyl chloride	µg/m3	2	6	33	0.019	0.021	0.034	0.04	320-CA01	J	0.0195	0.00138	0.0202	95% KM (t) UCL	0.0202	95% KM (t) UCL
320 Center St	CA	Xylenes, m & p	µg/m3	6	6	100	1.3	6.3	NA	NA	320CA		2.3	1.97	5.8	95% Chebyshev (Mean, Sd) UCL	5.8	95% Chebyshev (Mean, Sd) UCL
320 Center St	CA	Xylenes, o	µg/m3	6	6	100	0.25	2.2	NA	NA	320CA		0.69	0.744	2.02	95% Chebyshev (Mean, Sd) UCL	2.02	95% Chebyshev (Mean, Sd) UCL
326 Center St	AA	1,1,1-Trichloroethane	µg/m3	7	8	88	0.059	0.1	0.19	0.19	326AA	J	0.0789	0.0151	0.0861	95% KM (t) UCL	0.0861	95% KM (t) UCL
326 Center St	AA	1,2,4-Trimethylbenzene	µg/m3	8	8	100	0.11	1.1	NA	NA	326AA		0.338	0.322	0.612	95% Approximate Gamma UCL	0.612	95% Approximate Gamma UCL
326 Center St	AA	1,2-Dichlorobenzene	µg/m3	1	8	13	0.083	0.083	0.17	0.21	326AA	J	0.0929	0.00831	0.106	Too Few Unique Detected Values *	0.083	Maximum Result
326 Center St	AA	1,2-Dichloroethane	µg/m3	7	8	88	0.028	0.062	0.14	0.14	326AA	J	0.0464	0.0157	0.0526	95% KM (t) UCL	0.0526	95% KM (t) UCL
326 Center St	AA	1,3,5-Trimethylbenzene	µg/m3	7	8	88	0.032	0.71	0.17	0.17	326AA		0.163	0.224	0.511	95% KM (Chebyshev) UCL	0.511	95% KM (Chebyshev) UCL
326 Center St	AA	1,3-Dichlorobenzene	µg/m3	1	8	13	0.047	0.047	0.035	0.21	326AA	J	0.0787	0.0306	0.126	Too Few Unique Detected Values *	0.047	Maximum Result
326 Center St	AA	1,4-Dichlorobenzene	µg/m3	2	8	25	0.077	0.85	0.031	0.17	326AA		0.139	0.289	0.972	97.5% KM (Chebyshev) UCL	0.85	Maximum Result
326 Center St	AA	Benzene	µg/m3	8	8	100	0.25	1.8	NA	NA	326AA		0.605	0.505	1.01	95% Approximate Gamma UCL	1.01	95% Approximate Gamma UCL
326 Center St	AA	Bromomethane	µg/m3	5	8	63	0.06	0.58	0.3	0.34	326AA		0.176	0.171	0.269	95% KM (BCA) UCL	0.269	95% KM (BCA) UCL
326 Center St	AA	Carbon tetrachloride	µg/m3	8	8	100	0.43	0.56	NA	NA	326AA		0.485	0.0463	0.516	95% Student's-t UCL	0.516	95% Student's-t UCL
326 Center St	AA	Chlorobenzene	µg/m3	1	8	13	0.015	0.015	0.026	0.16	326AA	J	0.0566	0.0268	0.0979	Too Few Unique Detected Values *	0.015	Maximum Result
326 Center St	AA	Chloroethane	µg/m3	3	8	38	0.026	0.064	0.16	0.23	326AA	J	0.0795	0.0358	0.0629	95% KM (t) UCL	0.0629	95% KM (t) UCL
326 Center St	AA	Chloroform	µg/m3	7	8	88	0.07	0.33	0.17	0.17	326AA		0.123	0.0852	0.255	95% KM (Chebyshev) UCL	0.255	95% KM (Chebyshev) UCL
326 Center St	AA	Chloromethane	µg/m3	7	8	88	0.95	1.4	0.13	0.13	326AA		0.973	0.395	1.19	95% KM (t) UCL	1.19	95% KM (t) UCL
326 Center St	AA	cis-1,3-Dichloropropene	µg/m3	1	8	13	0.052	0.052	0.13	0.16	326AA	J	0.069	0.00859	0.0822	Too Few Unique Detected Values *	0.052	Maximum Result
326 Center St	AA	Ethylbenzene	µg/m3	8	8	100	0.11	1.5	NA	NA	326AA		0.496	0.539	1.06	95% Approximate Gamma UCL	1.06	95% Approximate Gamma UCL
326 Center St	AA	Freon 11	µg/m3	8	8	100	1.2	1.7	NA	NA	326AA		1.45	0.193	1.58	95% Student's-t UCL	1.58	95% Student's-t UCL
326 Center St	AA	Freon 113	µg/m3	8	8	100	0.54	0.68	NA	NA	326AA		0.625	0.0515	0.66	95% Student's-t UCL	0.66	95% Student's-t UCL
326 Center St	AA	Freon 12	µg/m3	7	8	88	2.1	2.7	0.12	0.12	326AA		2.18	0.883	2.61	95% KM (t) UCL	2.61	95% KM (t) UCL
326 Center St	AA	Methyl tert-butyl ether	µg/m3	2	8	25	0.01	0.023	0.45	0.63	326AA	J	0.217	0.126	0.0288	95% KM (t) UCL	0.023	Maximum Result
326 Center St	AA	Methylene chloride	µg/m3	1	8	13	4.5	4.5	0.31	1.2	326AA		0.863	1.48	3.14	Too Few Unique Detected Values *	3.14	Too Few Unique Detected Values *
326 Center St	AA	Naphthalene	µg/m3	1	7	14	0.036	0.036	3.3	4.4	326AA		1.68	0.754	2.93	Too Few Unique Detected Values *	0.036	Maximum Result
326 Center St	AA	Styrene	µg/m3	4	8	50	0.026	0.16	0.053	0.15	326AA		0.0606	0.0442	0.0831	95% KM (t) UCL	0.0831	95% KM (t) UCL
326 Center St	AA	Tetrachloroethene	µg/m3	6	8	75	0.084	0.41	0.19	0.24	326AA		0.18	0.12	0.26	95% KM (t) UCL	0.26	95% KM (t) UCL
326 Center St	AA	Toluene	µg/m3	8	8	100	0.7	10	NA	NA	326AA		2.98	3.47	10.5	95% H-UCL	10	Maximum Result
326 Center St	AA	trans-1,3-Dichloropropene	µg/m3	1	8	13	0.048	0.048	0.13	0.16	326AA	J	0.0685	0.00975	0.0835	Too Few Unique Detected Values *	0.048	Maximum Result
326 Center St	AA	Trichloroethene	µg/m3	4	8	50	0.022	0.15	0.022	0.03	326AA		0.0396	0.0471	0.0761	95% KM (t) UCL	0.0761	95% KM (t) UCL
326 Center St	AA	Xylenes, m & p	µg/m3	8	8	100	0.32	6.6	NA	NA	326AA		1.71	2.19	3.99	95% Approximate Gamma UCL	3.99	95% Approximate Gamma UCL
326 Center St	AA	Xylenes, o	µg/m3	8	8	100	0.098	2.3	NA	NA	326AA		0.569	0.741	1.31	95% Approximate Gamma UCL	1.31	95% Approximate Gamma UCL
326 Center St	CA	1,1,1-Trichloroethane	µg/m3	8	9	89	0.052	0.11	0.18	0.18	326CA	J	0.0774	0.0173	0.0864	95% KM (t) UCL	0.0864	95% KM (t) UCL
326 Center St	CA	1,1,2,2-Tetrachloroethane	µg/m3	1	9	11	0.58	0.58	0.18	0.26	326CA		0.161	0.158	0.39	Too Few Unique Detected Values *	0.39	Too Few Unique Detected Values *
326 Center St	CA	1,1,2-Trichloroethane	µg/m3	1	9	11	0.076	0.076	0.073	0.2	326CA	J	0.0628	0.0247	0.0986	Too Few Unique Detected Values *	0.076	Maximum Result
326 Center St	CA	1,1-Dichloroethane	µg/m3	1	9	11	0.015	0.015	0.11	0.15	326CA	J	0.0594	0.0178	0.0852	Too Few Unique Detected Values *	0.015	Maximum Result
326 Center St	CA	1,2,4-Trimethylbenzene	µg/m3	9	9	100	0.069	1.4	NA	NA	326CA		0.516	0.521	1.08	95% Approximate Gamma UCL	1.08	95% Approximate Gamma UCL
326 Center St	CA	1,2-Dichlorobenzene	µg/m3	1	9	11	0.13	0.13	0.013	1.1	326CA	J	0.131	0.162	0.366	Too Few Unique Detected Values *	0.13	Maximum Result
326 Center St	CA	1,2-Dichloroethane	µg/m3	8	9	89	0.03	1.9	0.13	0.13	326CA		0.298	0.608	1.57	97.5% KM (Chebyshev) UCL	1.57	97.5% KM (Chebyshev) UCL
326 Center St	CA	1,2-Dichloropropane	µg/m3	3	9	33	0.027	0.18	0.062	0.86	326CA		0.112	0.129	0.102	95% KM (t) UCL	0.102	95% KM (t) UCL
326 Center St	CA	1,3,5-Trimethylbenzene	µg/m3	7	9	78	0.04	0.39	0.16	0.92	326CA		0.175	0.157	0.22	95% KM (t) UCL	0.22	95% KM (t) UCL
326 Center St	CA	1,3-Dichlorobenzene	µg/m3	1	9	11	0.096	0.096	0.022	1.1	326CA	J	0.112	0.168	0.357	Too Few Unique Detected Values *	0.096	Maximum Result
326 Center St	CA	1,4-Dichlorobenzene	µg/m3	6	9	67	0.088	6	0.082	0.19	326CA		1.01	1.92	2.5	95% KM (BCA) UCL	2.5	95% KM (BCA) UCL
326 Center St	CA	1,4-Dioxane (p-dioxane)	µg/m3	1	9	11	0.18	0.18	0.11	0.67	326CA	J	0.255	0.0877	0.382	Too Few Unique Detected Values *	0.18	Maximum Result
326 Center St	CA	Benzene	µg/m3	9	9	100	0.28	1.7	NA	NA	326CA		0.707	0.437	0.978	95% Student's-t UCL	0.978	95% Student's-t UCL
326 Center St	CA	Bromomethane	µg/m3	6	9	67	0.047	0.38	0.29	0.73	326CA		0.174	0.127	0.204	95% KM (t) UCL	0.204	95% KM (t) UCL
326 Center St	CA	Carbon tetrachloride	µg/m3	9	9	100	0.42	0.55	NA	NA	326CA		0.49	0.0469	0.519	95% Student's-t UCL	0.519	95% Student's-t UCL
326 Center St	CA	Chlorobenzene	µg/m3	3	9	33	0.026	0.035	0.048	0.86	326CA	J	0.092	0.129	0.033	95% KM (t) UCL	0.033	95% KM (t) UCL
326 Center St	CA	Chloroethane	µg/m3	4	9	44	0.023	0.074	0.2	0.49	326CA	J	0.092	0.0687	0.0607	95% KM (t) UCL	0.0607	95% KM (t) UCL
326 Center St	CA	Chloroform	µg/m3	7	9	78	0.091	0.53	0.16	0.91	326CA		0.218	0.177	0.272	95% KM (BCA) UCL	0.272	95% KM (BCA) UCL
326 Center St	CA	Chloromethane	µg/m3	9	9	100	0.73	1.3	NA	NA	326CA		0.941	0.193	1.06	95% Student's-t UCL	1.06	95% Student's-t UCL
326 Center St	CA	cis-1,2-Dichloroethene	µg/m3	1	9	11	0.018	0.018	0.12	0.15	326CA	J	0.0598	0.0164	0.0837	Too Few Unique Detected Values *	0.018	Maximum Result
326 Center St	CA	cis-1,3-Dichloropropene	µg/m3	1	9	11	0.039	0.039	0.12	0.85	326CA	J	0.107	0.12	0.281	Too Few Unique Detected Values *	0.039	Maximum Result
326 Center St	CA	Ethylbenzene	µg/m3	9	9	100	0.11	1.5	NA	NA	326CA		0.702	0.483	1	95% Student's-t UCL	1	95% Student's-t UCL
326 Center St	CA	Freon 11	µg/m3	9	9	100	1.2	3.4	NA	NA	326CA		1.7	0.686	2.14	95% Approximate Gamma UCL	2.14	95% Approximate Gamma UCL
326 Center St	CA	Freon 113	µg/m3	9	9	100	0.53	0.7	NA	NA	326CA		0.629	0.0633	0.668	95% Student's-t UCL	0.668	95% Student's-t UCL
326 Center St	CA	Freon 114	µg/m3	1	3	33	0.11	0.11	0.23	1.3	326CA	J	0.292	0.31	NA	Fewer Than Five Samples	0.11	Maximum Result
326 Center St	CA	Freon 12	µg/m3	9	9	100	2.1	3.4	NA	NA	326CA		2.59	0.398	2.84	95% Student's-t UCL	2.84	95% Student's-t UCL
326 Center St	CA	Hexachlorobutadiene	µg/m3	1	9	11	0.68	0.68	1.4	10	326CA	J	1.28	1.4	3.31	Too Few Unique Detected Values *	0.68	Maximum Result
326 Center St	CA	Methyl tert-butyl ether	µg/m3	2	9	22	0.015	0.016	0.48	0.67	326CA	J	0.229	0.124	0.0164	95% KM (t) UCL	0.016	Maximum Result
326 Center St	CA	Methylene chloride	µg/m3	3	9	33	0.3	5.4	0.79	1.2	326CA		1.04	1.64	2.12	95% KM (t) UCL	2.12	95% KM (t) UCL
326 Center St	CA	Styrene	µg/m3	6	9	67	0.1	1.2	0.13	0.8	326CA		0.319	0.363	0.508	95% KM (BCA) UCL	0.508	95% KM (BCA) UCL
326 Center St	CA	Tetrachloroethene	µg/m3	8	9	89	0.075	0.73	0.23	0.23	326CA		0.328	0.229	0.469	95% KM (t) UCL	0.469	95% KM (t) UCL
326 Center St	CA	Toluene	µg/m3	9	9	100	1	28	NA	NA	326CA		10.1	9.78	16.2	95% Student's-t UCL	16.2	95% Student's-t UCL
326 Center St	CA	Trichloroethene	µg/m3	7	9	78	0.07	2.5	0.027	0.042	326CA		0.537	0.78	1.69	95% KM (Chebyshev) UCL	1.69	95% KM (Chebyshev) UCL

Address	Matrix	Parameter	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value	Minimum DL for Non-detects	Maximum DL for Non-detects	Location of Maximum Detected Concentration	Qualifier of Maximum Detected Concentration	Arithmetic Mean Value	Standard Deviation	Recommended UCL	Recommended UCL Basis	Smaller of UCL or Maximum Detect	Smaller of UCL or Maximum Detect Basis
326 Center St	CA	Vinyl chloride	µg/m3	3	9	33	0.022	0.061	0.038	0.044	326CA		0.0257	0.0133	0.0357	95% KM (t) UCL	0.0357	95% KM (t) UCL
326 Center St	CA	Xylenes, m & p	µg/m3	9	9	100	0.16	6.8	NA	NA	326CA		2.52	2.04	3.78	95% Student's-t UCL	3.78	95% Student's-t UCL
326 Center St	CA	Xylenes, o	µg/m3	9	9	100	0.046	1.5	NA	NA	326CA		0.588	0.524	0.913	95% Student's-t UCL	0.913	95% Student's-t UCL
339 Center St	AA	1,1,1-Trichloroethane	µg/m3	1	1	100	0.062	0.062	NA	NA	339-OA01	J	0.062	NA	NA	Fewer Than Five Samples	0.062	Maximum Result
339 Center St	AA	1,1,2,2-Tetrachloroethane	µg/m3	1	1	100	0.18	0.18	NA	NA	339-OA01	J	0.18	NA	NA	Fewer Than Five Samples	0.18	Maximum Result
339 Center St	AA	1,1,2-Trichloroethane	µg/m3	1	1	100	0.033	0.033	NA	NA	339-OA01	J	0.033	NA	NA	Fewer Than Five Samples	0.033	Maximum Result
339 Center St	AA	1,2,4-Trimethylbenzene	µg/m3	1	1	100	0.37	0.37	NA	NA	339-OA01	J	0.37	NA	NA	Fewer Than Five Samples	0.37	Maximum Result
339 Center St	AA	1,2-Dichlorobenzene	µg/m3	1	1	100	0.22	0.22	NA	NA	339-OA01	J	0.22	NA	NA	Fewer Than Five Samples	0.22	Maximum Result
339 Center St	AA	1,2-Dichloroethane	µg/m3	1	1	100	0.067	0.067	NA	NA	339-OA01	J	0.067	NA	NA	Fewer Than Five Samples	0.067	Maximum Result
339 Center St	AA	1,3,5-Trimethylbenzene	µg/m3	1	1	100	0.16	0.16	NA	NA	339-OA01	J	0.16	NA	NA	Fewer Than Five Samples	0.16	Maximum Result
339 Center St	AA	1,3-Dichlorobenzene	µg/m3	1	1	100	0.19	0.19	NA	NA	339-OA01	J	0.19	NA	NA	Fewer Than Five Samples	0.19	Maximum Result
339 Center St	AA	1,4-Dichlorobenzene	µg/m3	1	1	100	0.24	0.24	NA	NA	339-OA01	J	0.24	NA	NA	Fewer Than Five Samples	0.24	Maximum Result
339 Center St	AA	Benzene	µg/m3	1	1	100	0.38	0.38	NA	NA	339-OA01		0.38	NA	NA	Fewer Than Five Samples	0.38	Maximum Result
339 Center St	AA	Bromomethane	µg/m3	1	1	100	0.41	0.41	NA	NA	339-OA01	J	0.41	NA	NA	Fewer Than Five Samples	0.41	Maximum Result
339 Center St	AA	Carbon tetrachloride	µg/m3	1	1	100	0.4	0.4	NA	NA	339-OA01		0.4	NA	NA	Fewer Than Five Samples	0.4	Maximum Result
339 Center St	AA	Chloromethane	µg/m3	1	1	100	0.92	0.92	NA	NA	339-OA01		0.92	NA	NA	Fewer Than Five Samples	0.92	Maximum Result
339 Center St	AA	Ethylbenzene	µg/m3	1	1	100	0.21	0.21	NA	NA	339-OA01		0.21	NA	NA	Fewer Than Five Samples	0.21	Maximum Result
339 Center St	AA	Freon 11	µg/m3	1	1	100	1.1	1.1	NA	NA	339-OA01		1.1	NA	NA	Fewer Than Five Samples	1.1	Maximum Result
339 Center St	AA	Freon 113	µg/m3	1	1	100	0.45	0.45	NA	NA	339-OA01	J	0.45	NA	NA	Fewer Than Five Samples	0.45	Maximum Result
339 Center St	AA	Freon 12	µg/m3	1	1	100	2	2	NA	NA	339-OA01		2	NA	NA	Fewer Than Five Samples	2	Maximum Result
339 Center St	AA	Methyl tert-butyl ether	µg/m3	1	1	100	0.03	0.03	NA	NA	339-OA01	J	0.03	NA	NA	Fewer Than Five Samples	0.03	Maximum Result
339 Center St	AA	Methylene chloride	µg/m3	1	1	100	0.46	0.46	NA	NA	339-OA01	J	0.46	NA	NA	Fewer Than Five Samples	0.46	Maximum Result
339 Center St	AA	Naphthalene	µg/m3	1	1	100	1.1	1.1	NA	NA	339-OA01	J	1.1	NA	NA	Fewer Than Five Samples	1.1	Maximum Result
339 Center St	AA	Tetrachloroethene	µg/m3	1	1	100	0.096	0.096	NA	NA	339-OA01	J	0.096	NA	NA	Fewer Than Five Samples	0.096	Maximum Result
339 Center St	AA	Toluene	µg/m3	1	1	100	1.2	1.2	NA	NA	339-OA01		1.2	NA	NA	Fewer Than Five Samples	1.2	Maximum Result
339 Center St	AA	Trichloroethene	µg/m3	1	1	100	0.13	0.13	NA	NA	339-OA01	J	0.13	NA	NA	Fewer Than Five Samples	0.13	Maximum Result
339 Center St	AA	Xylenes, m & p	µg/m3	1	1	100	0.67	0.67	NA	NA	339-OA01		0.67	NA	NA	Fewer Than Five Samples	0.67	Maximum Result
339 Center St	AA	Xylenes, o	µg/m3	1	1	100	0.28	0.28	NA	NA	339-OA01		0.28	NA	NA	Fewer Than Five Samples	0.28	Maximum Result
356 Center St	AA	1,1,1-Trichloroethane	µg/m3	1	1	100	0.065	0.065	NA	NA	356-OA01	J	0.065	NA	NA	Fewer Than Five Samples	0.065	Maximum Result
356 Center St	AA	1,2,4-Trimethylbenzene	µg/m3	1	1	100	0.79	0.79	NA	NA	356-OA01	J	0.79	NA	NA	Fewer Than Five Samples	0.79	Maximum Result
356 Center St	AA	1,2-Dichloroethane	µg/m3	1	1	100	0.054	0.054	NA	NA	356-OA01	J	0.054	NA	NA	Fewer Than Five Samples	0.054	Maximum Result
356 Center St	AA	1,3,5-Trimethylbenzene	µg/m3	1	1	100	0.19	0.19	NA	NA	356-OA01	J	0.19	NA	NA	Fewer Than Five Samples	0.19	Maximum Result
356 Center St	AA	1,4-Dichlorobenzene	µg/m3	1	1	100	0.62	0.62	NA	NA	356-OA01	J	0.62	NA	NA	Fewer Than Five Samples	0.62	Maximum Result
356 Center St	AA	1,4-Dioxane (p-dioxane)	µg/m3	1	1	100	0.89	0.89	NA	NA	356-OA01		0.89	NA	NA	Fewer Than Five Samples	0.89	Maximum Result
356 Center St	AA	Benzene	µg/m3	1	1	100	0.41	0.41	NA	NA	356-OA01		0.41	NA	NA	Fewer Than Five Samples	0.41	Maximum Result
356 Center St	AA	Bromomethane	µg/m3	1	1	100	0.36	0.36	NA	NA	356-OA01	J	0.36	NA	NA	Fewer Than Five Samples	0.36	Maximum Result
356 Center St	AA	Carbon tetrachloride	µg/m3	1	1	100	0.5	0.5	NA	NA	356-OA01	J	0.5	NA	NA	Fewer Than Five Samples	0.5	Maximum Result
356 Center St	AA	Chloromethane	µg/m3	1	1	100	0.98	0.98	NA	NA	356-OA01		0.98	NA	NA	Fewer Than Five Samples	0.98	Maximum Result
356 Center St	AA	cis-1,2-Dichloroethene	µg/m3	1	1	100	0.031	0.031	NA	NA	356-OA01	J	0.031	NA	NA	Fewer Than Five Samples	0.031	Maximum Result
356 Center St	AA	Ethylbenzene	µg/m3	1	1	100	0.53	0.53	NA	NA	356-OA01		0.53	NA	NA	Fewer Than Five Samples	0.53	Maximum Result
356 Center St	AA	Freon 11	µg/m3	1	1	100	1.2	1.2	NA	NA	356-OA01		1.2	NA	NA	Fewer Than Five Samples	1.2	Maximum Result
356 Center St	AA	Freon 113	µg/m3	1	1	100	0.68	0.68	NA	NA	356-OA01	J	0.68	NA	NA	Fewer Than Five Samples	0.68	Maximum Result
356 Center St	AA	Freon 12	µg/m3	1	1	100	2.4	2.4	NA	NA	356-OA01		2.4	NA	NA	Fewer Than Five Samples	2.4	Maximum Result
356 Center St	AA	Methylene chloride	µg/m3	1	1	100	0.6	0.6	NA	NA	356-OA01	J	0.6	NA	NA	Fewer Than Five Samples	0.6	Maximum Result
356 Center St	AA	Naphthalene	µg/m3	1	1	100	1.9	1.9	NA	NA	356-OA01	J	1.9	NA	NA	Fewer Than Five Samples	1.9	Maximum Result
356 Center St	AA	Tetrachloroethene	µg/m3	1	1	100	0.12	0.12	NA	NA	356-OA01	J	0.12	NA	NA	Fewer Than Five Samples	0.12	Maximum Result
356 Center St	AA	Toluene	µg/m3	1	1	100	2.1	2.1	NA	NA	356-OA01		2.1	NA	NA	Fewer Than Five Samples	2.1	Maximum Result
356 Center St	AA	Trichloroethene	µg/m3	1	1	100	0.034	0.034	NA	NA	356-OA01	J	0.034	NA	NA	Fewer Than Five Samples	0.034	Maximum Result
356 Center St	AA	Xylenes, m & p	µg/m3	1	1	100	1.2	1.2	NA	NA	356-OA01		1.2	NA	NA	Fewer Than Five Samples	1.2	Maximum Result
356 Center St	AA	Xylenes, o	µg/m3	1	1	100	0.57	0.57	NA	NA	356-OA01		0.57	NA	NA	Fewer Than Five Samples	0.57	Maximum Result
360 Center St	AA	1,1,1-Trichloroethane	µg/m3	5	6	83	0.048	0.12	0.2	0.2	360AA	J	0.0857	0.0242	0.103	95% KM (t) UCL	0.103	95% KM (t) UCL
360 Center St	AA	1,2,4-Trimethylbenzene	µg/m3	6	6	100	0.083	5.8	NA	NA	360AA		1.57	2.21	6.54	95% Approximate Gamma UCL	5.8	Maximum Result
360 Center St	AA	1,2-Dichloroethane	µg/m3	3	6	50	0.034	0.15	0.12	0.15	360-OA01		0.0758	0.0391	0.106	95% KM (t) UCL	0.106	95% KM (t) UCL
360 Center St	AA	1,3,5-Trimethylbenzene	µg/m3	5	6	83	0.03	1.9	0.18	0.18	360AA		0.518	0.725	1.12	95% KM (t) UCL	1.12	95% KM (t) UCL
360 Center St	AA	1,4-Dichlorobenzene	µg/m3	3	6	50	0.16	0.28	0.2	1.1	360AA	J	0.237	0.166	0.243	95% KM (t) UCL	0.243	95% KM (t) UCL
360 Center St	AA	1,4-Dioxane (p-dioxane)	µg/m3	1	6	17	0.36	0.36	0.55	0.67	360-OA01	J	0.31	0.0327	0.368	Too Few Unique Detected Values *	0.36	Maximum Result
360 Center St	AA	Benzene	µg/m3	5	6	83	0.28	2	0.59	0.59	360AA		0.889	0.697	1.47	95% KM (t) UCL	1.47	95% KM (t) UCL
360 Center St	AA	Bromomethane	µg/m3	3	6	50	0.043	0.5	0.3	0.36	360-OA01	J	0.203	0.154	0.311	95% KM (t) UCL	0.311	95% KM (t) UCL
360 Center St	AA	Carbon tetrachloride	µg/m3	6	6	100	0.41	0.83	NA	NA	360AA		0.543	0.149	0.666	95% Student's-t UCL	0.666	95% Student's-t UCL
360 Center St	AA	Chlorobenzene	µg/m3	2	6	33	0.031	0.052	0.14	0.82	360AA	J	0.121	0.143	0.0627	95% KM (t) UCL	0.052	Maximum Result
360 Center St	AA	Chloroethane	µg/m3	3	6	50	0.029	0.075	0.2	0.47	360AA	J	0.0983	0.0762	0.0752	95% KM (t) UCL	0.075	Maximum Result
360 Center St	AA	Chloroform	µg/m3	4	6	67	0.078	0.37	0.18	0.87	360AA		0.204	0.158	0.272	95% KM (t) UCL	0.272	95% KM (t) UCL
360 Center St	AA	Chloromethane	µg/m3	6	6	100	0.86	1.2	NA	NA	360AA		1.07	0.134	1.18	95% Student's-t UCL	1.18	95% Student's-t UCL
360 Center St	AA	Ethylbenzene	µg/m3	6	6	100	0.089	3.5	NA	NA	360AA		1.13	1.43	4.23	95% Approximate Gamma UCL	3.5	Maximum Result
360 Center St	AA	Freon 11	µg/m3	6	6	100	1.1	1.7	NA	NA	360AA		1.4	0.276	1.63	95% Student's-t UCL	1.63	95% Student's-t UCL
360 Center St	AA	Freon 113	µg/m3	6	6	100	0.45	0.63	NA	NA	360AA		0.573	0.0641	0.626	95% Student's-t UCL	0.626	95% Student's-t UCL

Address	Matrix	Parameter	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value	Minimum DL for Non-detects	Maximum DL for Non-detects	Location of Maximum Detected Concentration	Qualifier of Maximum Detected Concentration	Arithmetic Mean Value	Standard Deviation	Recommended UCL	Recommended UCL Basis	Smaller of UCL or Maximum Detect	Smaller of UCL or Maximum Detect Basis
360 Center St	AA	Freon 114	µg/m3	1	3	33	0.12	0.12	0.26	1.2	360AA	J	0.283	0.274	NA	Fewer Than Five Samples	0.12	Maximum Result
360 Center St	AA	Freon 12	µg/m3	6	6	100	1.7	2.6	NA	NA	360AA		2.32	0.407	2.65	95% Student's-t UCL	2.6	Maximum Result
360 Center St	AA	Methylene chloride	µg/m3	3	6	50	0.42	5.1	1.1	1.3	360AA		1.59	1.84	3.25	95% KM (t) UCL	3.25	95% KM (t) UCL
360 Center St	AA	Naphthalene	µg/m3	1	5	20	0.041	0.041	0.82	4.7	360AA		1.45	1.13	3.65	Too Few Unique Detected Values *	0.041	Maximum Result
360 Center St	AA	Styrene	µg/m3	5	6	83	0.028	0.55	0.16	0.16	360AA		0.22	0.212	0.397	95% KM (t) UCL	0.397	95% KM (t) UCL
360 Center St	AA	Tetrachloroethene	µg/m3	4	6	67	0.093	0.4	0.23	0.25	360AA		0.212	0.129	0.322	95% KM (t) UCL	0.322	95% KM (t) UCL
360 Center St	AA	Toluene	µg/m3	6	6	100	0.54	34	NA	NA	360AA		9.46	13	36.2	95% Approximate Gamma UCL	34	Maximum Result
360 Center St	AA	Trichloroethene	µg/m3	3	6	50	0.026	0.23	0.027	0.032	360AA		0.0684	0.0875	0.151	95% KM (t) UCL	0.151	95% KM (t) UCL
360 Center St	AA	Xylenes, m & p	µg/m3	6	6	100	0.23	12	NA	NA	360AA		3.86	5.08	16.1	95% Approximate Gamma UCL	12	Maximum Result
360 Center St	AA	Xylenes, o	µg/m3	6	6	100	0.084	3.4	NA	NA	360AA		1.23	1.54	4.86	95% Approximate Gamma UCL	3.4	Maximum Result
366 Center St	AA	1,1,1-Trichloroethane	µg/m3	1	1	100	0.051	0.051	NA	NA	366-OA01	J	0.051	NA	NA	Fewer Than Five Samples	0.051	Maximum Result
366 Center St	AA	1,2,4-Trimethylbenzene	µg/m3	1	1	100	0.32	0.32	NA	NA	366-OA01	J	0.32	NA	NA	Fewer Than Five Samples	0.32	Maximum Result
366 Center St	AA	1,2-Dichloroethane	µg/m3	1	1	100	0.11	0.11	NA	NA	366-OA01	J	0.11	NA	NA	Fewer Than Five Samples	0.11	Maximum Result
366 Center St	AA	1,3,5-Trimethylbenzene	µg/m3	1	1	100	0.11	0.11	NA	NA	366-OA01	J	0.11	NA	NA	Fewer Than Five Samples	0.11	Maximum Result
366 Center St	AA	Benzene	µg/m3	1	1	100	0.42	0.42	NA	NA	366-OA01		0.42	NA	NA	Fewer Than Five Samples	0.42	Maximum Result
366 Center St	AA	Carbon tetrachloride	µg/m3	1	1	100	0.48	0.48	NA	NA	366-OA01		0.48	NA	NA	Fewer Than Five Samples	0.48	Maximum Result
366 Center St	AA	Chloromethane	µg/m3	1	1	100	1.2	1.2	NA	NA	366-OA01		1.2	NA	NA	Fewer Than Five Samples	1.2	Maximum Result
366 Center St	AA	Ethylbenzene	µg/m3	1	1	100	0.74	0.74	NA	NA	366-OA01		0.74	NA	NA	Fewer Than Five Samples	0.74	Maximum Result
366 Center St	AA	Freon 11	µg/m3	1	1	100	1.1	1.1	NA	NA	366-OA01		1.1	NA	NA	Fewer Than Five Samples	1.1	Maximum Result
366 Center St	AA	Freon 113	µg/m3	1	1	100	0.52	0.52	NA	NA	366-OA01	J	0.52	NA	NA	Fewer Than Five Samples	0.52	Maximum Result
366 Center St	AA	Freon 12	µg/m3	1	1	100	2	2	NA	NA	366-OA01		2	NA	NA	Fewer Than Five Samples	2	Maximum Result
366 Center St	AA	Methylene chloride	µg/m3	1	1	100	0.78	0.78	NA	NA	366-OA01	J	0.78	NA	NA	Fewer Than Five Samples	0.78	Maximum Result
366 Center St	AA	Styrene	µg/m3	1	1	100	0.23	0.23	NA	NA	366-OA01	J	0.23	NA	NA	Fewer Than Five Samples	0.23	Maximum Result
366 Center St	AA	Tetrachloroethene	µg/m3	1	1	100	0.26	0.26	NA	NA	366-OA01		0.26	NA	NA	Fewer Than Five Samples	0.26	Maximum Result
366 Center St	AA	Toluene	µg/m3	1	1	100	2	2	NA	NA	366-OA01		2	NA	NA	Fewer Than Five Samples	2	Maximum Result
366 Center St	AA	Trichloroethene	µg/m3	1	1	100	0.045	0.045	NA	NA	366-OA01	J	0.045	NA	NA	Fewer Than Five Samples	0.045	Maximum Result
366 Center St	AA	Xylenes, m & p	µg/m3	1	1	100	2.5	2.5	NA	NA	366-OA01		2.5	NA	NA	Fewer Than Five Samples	2.5	Maximum Result
366 Center St	AA	Xylenes, o	µg/m3	1	1	100	0.85	0.85	NA	NA	366-OA01		0.85	NA	NA	Fewer Than Five Samples	0.85	Maximum Result
Prescott Park	AA	1,1,1-Trichloroethane	µg/m3	6	6	100	0.045	0.11	NA	NA	PP-AA	J	0.0783	0.0243	0.0983	95% Student's-t UCL	0.0983	95% Student's-t UCL
Prescott Park	AA	1,1,2,2-Tetrachloroethane	µg/m3	1	6	17	0.024	0.024	0.21	0.25	PP-AA	J	0.0973	0.0367	0.163	Too Few Unique Detected Values *	0.024	Maximum Result
Prescott Park	AA	1,2,4-Trimethylbenzene	µg/m3	5	6	83	0.11	0.91	0.84	0.84	PP-AA		0.485	0.344	0.751	95% KM (t) UCL	0.751	95% KM (t) UCL
Prescott Park	AA	1,2-Dichloroethane	µg/m3	3	6	50	0.052	0.29	0.12	0.13	PP-BGA02		0.0988	0.0938	0.183	95% KM (t) UCL	0.183	95% KM (t) UCL
Prescott Park	AA	1,3,5-Trimethylbenzene	µg/m3	5	6	83	0.04	0.27	0.84	0.84	PP-AA		0.195	0.145	0.245	95% KM (t) UCL	0.245	95% KM (t) UCL
Prescott Park	AA	1,4-Dioxane (p-dioxane)	µg/m3	1	6	17	0.96	0.96	0.56	0.66	PP-AA		0.409	0.271	0.891	Too Few Unique Detected Values *	0.891	Too Few Unique Detected Values *
Prescott Park	AA	Benzene	µg/m3	6	6	100	0.23	1.3	NA	NA	PP-AA		0.61	0.397	0.937	95% Student's-t UCL	0.937	95% Student's-t UCL
Prescott Park	AA	Bromomethane	µg/m3	4	6	67	0.062	2	0.3	0.31	PP-BGA03	J	0.485	0.751	1.12	95% KM (t) UCL	1.12	95% KM (t) UCL
Prescott Park	AA	Carbon tetrachloride	µg/m3	6	6	100	0.43	0.64	NA	NA	PP-AA		0.515	0.0756	0.577	95% Student's-t UCL	0.577	95% Student's-t UCL
Prescott Park	AA	Chlorobenzene	µg/m3	2	6	33	0.024	0.034	0.14	0.84	PP-AA	J	0.169	0.186	0.0391	95% KM (t) UCL	0.034	Maximum Result
Prescott Park	AA	Chloroethane	µg/m3	4	6	67	0.021	0.1	0.45	0.48	PP-AA	J	0.109	0.0995	0.0833	95% KM (t) UCL	0.0833	95% KM (t) UCL
Prescott Park	AA	Chloroform	µg/m3	4	6	67	0.093	0.51	0.83	0.89	PP-AA		0.319	0.162	0.373	95% KM (t) UCL	0.373	95% KM (t) UCL
Prescott Park	AA	Chloromethane	µg/m3	6	6	100	0.62	1.2	NA	NA	PP-AA		1.07	0.235	1.26	95% Student's-t UCL	1.2	Maximum Result
Prescott Park	AA	cis-1,2-Dichloroethene	µg/m3	1	6	17	0.038	0.038	0.12	0.14	PP-AA	J	0.0597	0.0117	0.0805	Too Few Unique Detected Values *	0.038	Maximum Result
Prescott Park	AA	Ethylbenzene	µg/m3	6	6	100	0.084	0.86	NA	NA	PP-AA		0.396	0.31	0.651	95% Student's-t UCL	0.651	95% Student's-t UCL
Prescott Park	AA	Freon 11	µg/m3	6	6	100	1	2	NA	NA	PP-AA		1.55	0.356	1.84	95% Student's-t UCL	1.84	95% Student's-t UCL
Prescott Park	AA	Freon 113	µg/m3	6	6	100	0.45	0.73	NA	NA	PP-AA		0.63	0.108	0.719	95% Student's-t UCL	0.719	95% Student's-t UCL
Prescott Park	AA	Freon 12	µg/m3	6	6	100	1.9	3	NA	NA	PP-AA		2.43	0.45	2.8	95% Student's-t UCL	2.8	95% Student's-t UCL
Prescott Park	AA	Methyl tert-butyl ether	µg/m3	1	6	17	0.0097	0.0097	0.56	0.66	PP-AA	J	0.249	0.119	0.461	Too Few Unique Detected Values *	0.0097	Maximum Result
Prescott Park	AA	Methylene chloride	µg/m3	2	6	33	0.24	0.4	0.84	1.1	PP-BGA02	J	0.452	0.124	0.481	95% KM (t) UCL	0.4	Maximum Result
Prescott Park	AA	Styrene	µg/m3	5	6	83	0.048	0.24	0.73	0.73	PP-AA		0.184	0.121	0.231	95% KM (t) UCL	0.231	95% KM (t) UCL
Prescott Park	AA	Tetrachloroethene	µg/m3	6	6	100	0.046	0.42	NA	NA	PP-AA		0.195	0.144	0.314	95% Student's-t UCL	0.314	95% Student's-t UCL
Prescott Park	AA	Toluene	µg/m3	6	6	100	0.39	4.4	NA	NA	PP-AA		2.15	1.58	3.45	95% Student's-t UCL	3.45	95% Student's-t UCL
Prescott Park	AA	Trichloroethene	µg/m3	4	6	67	0.056	0.13	0.03	0.18	PP-AA		0.076	0.0384	0.105	95% KM (t) UCL	0.105	95% KM (t) UCL
Prescott Park	AA	Xylenes, m & p	µg/m3	6	6	100	0.26	2.7	NA	NA	PP-AA		1.15	0.988	1.96	95% Student's-t UCL	1.96	95% Student's-t UCL
Prescott Park	AA	Xylenes, o	µg/m3	6	6	100	0.091	0.92	NA	NA	PP-AA		0.404	0.346	0.688	95% Student's-t UCL	0.688	95% Student's-t UCL
Combined Background	AA	1,1,1-Trichloroethane	µg/m3	16	18	89	0.04	0.1	0.19	0.2	Background2	J	0.0759	0.0172	0.0797	95% KM (t) UCL	0.0797	95% KM (t) UCL
Combined Background	AA	1,1-Dichloroethane	µg/m3	1	18	6	0.011	0.011	0.1	0.15	Background1	J	0.0628	0.0146	0.0778	Too Few Unique Detected Values *	0.011	Maximum Result
Combined Background	AA	1,1-Dichloroethene	µg/m3	1	18	6	0.052	0.052	0.05	0.074	Background2	J	0.0331	0.00591	0.0392	Too Few Unique Detected Values *	0.0392	Too Few Unique Detected Values *
Combined Background	AA	1,2,4-Trimethylbenzene	µg/m3	18	18	100	0.098	1.4	NA	NA	Background1		0.404	0.384	0.639	95% H-UCL	0.639	95% H-UCL
Combined Background	AA	1,2-Dichloroethane	µg/m3	11	18	61	0.03	0.068	0.13	0.15	Background1	J	0.0558	0.016	0.0535	95% KM (t) UCL	0.0535	95% KM (t) UCL
Combined Background	AA	1,2-Dichloropropane	µg/m3	3	18	17	0.025	0.12	0.059	0.86	Background1		0.0899	0.115	0.0448	95% KM (t) UCL	0.0448	95% KM (t) UCL
Combined Background	AA	1,3,5-Trimethylbenzene	µg/m3	15	18	83	0.035	0.52	0.17	0.92	Background1		0.171	0.155	0.272	95% KM (Chebyshev) UCL	0.272	95% KM (Chebyshev) UCL
Combined Background	AA	1,4-Dichlorobenzene	µg/m3	3	18	17	0.069	0.19	0.027	1.1	Background2	J	0.117	0.152	0.0948	95% KM (t) UCL	0.0948	95% KM (t) UCL
Combined Background	AA	1,4-Dioxane (p-dioxane)	µg/m3	1	18	6	0.46	0.46	0.021	0.67	Background2	J	0.273	0.107	0.383	Too Few Unique Detected Values *	0.383	Too Few Unique Detected Values *
Combined Background	AA	Benzene	µg/m3	18	18	100	0.26	1.5	NA	NA	Background1		0.629	0.365	0.8	95% Approximate Gamma UCL	0.8	95% Approximate Gamma UCL
Combined Background	AA	Bromomethane	µg/m3	13	18	72	0.056	1.8	0.29	0.36	Background4	J	0.279	0.399	0.682	95% KM (Chebyshev) UCL	0.682	95% KM (Chebyshev) UCL
Combined Background	AA	Carbon tetrachloride	µg/m3	18	18	100	0.43	0.62	NA	NA	Background1		0.502	0.0583	0.526	95% Student's-t UCL	0.526	95% Student's-t UCL

Address	Matrix	Parameter	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value	Minimum DL for Non-detects	Maximum DL for Non-detects	Location of Maximum Detected Concentration	Qualifier of Maximum Detected Concentration	Arithmetic Mean Value	Standard Deviation	Recommended UCL	Recommended UCL Basis	Smaller of UCL or Maximum Detect	Smaller of UCL or Maximum Detect Basis
Combined Background	AA	Chlorobenzene	µg/m3	2	18	11	0.019	0.029	0.017	0.86	Background1	J	0.0966	0.113	0.0268	95% KM (t) UCL	0.0268	95% KM (t) UCL
Combined Background	AA	Chloroethane	µg/m3	8	18	44	0.019	0.12	0.17	0.49	Background1	J	0.0924	0.0631	0.0484	95% KM (t) UCL	0.0484	95% KM (t) UCL
Combined Background	AA	Chloroform	µg/m3	15	18	83	0.064	0.32	0.17	0.91	Background1		0.16	0.112	0.154	95% KM (BCA) UCL	0.154	95% KM (BCA) UCL
Combined Background	AA	Chloromethane	µg/m3	18	18	100	0.56	1.4	NA	NA	Background1		1.08	0.193	1.16	95% Student's-t UCL	1.16	95% Student's-t UCL
Combined Background	AA	cis-1,2-Dichloroethene	µg/m3	1	18	6	0.025	0.025	0.1	0.15	Background1	J	0.0622	0.0119	0.0745	Too Few Unique Detected Values *	0.025	Maximum Result
Combined Background	AA	cis-1,3-Dichloropropene	µg/m3	2	18	11	0.057	0.06	0.12	0.85	Background1	J	0.107	0.105	0.0593	95% KM (t) UCL	0.0593	95% KM (t) UCL
Combined Background	AA	Ethylbenzene	µg/m3	18	18	100	0.12	1.5	NA	NA	Background1		0.401	0.365	0.582	95% H-UCL	0.582	95% H-UCL
Combined Background	AA	Freon 11	µg/m3	18	18	100	1	3.2	NA	NA	Background1		1.65	0.595	1.89	95% Student's-t UCL	1.89	95% Student's-t UCL
Combined Background	AA	Freon 113	µg/m3	18	18	100	0.46	0.8	NA	NA	Background3	J	0.636	0.0944	0.674	95% Student's-t UCL	0.674	95% Student's-t UCL
Combined Background	AA	Freon 114	µg/m3	2	6	33	0.12	0.12	0.25	1.3	Background2	J	0.282	0.249	2.56	95% Student's-t UCL	0.12	Maximum Result
Combined Background	AA	Freon 12	µg/m3	18	18	100	2	3.1	NA	NA	Background1		2.43	0.312	2.56	95% Student's-t UCL	2.56	95% Student's-t UCL
Combined Background	AA	Methyl tert-butyl ether	µg/m3	3	18	17	0.007	0.25	0.52	0.67	Background1	J	0.267	0.0947	0.23	95% KM (t) UCL	0.23	95% KM (t) UCL
Combined Background	AA	Methylene chloride	µg/m3	2	18	11	0.2	0.28	0.32	1.3	Background3	J	0.393	0.199	0.233	95% KM (t) UCL	0.233	95% KM (t) UCL
Combined Background	AA	Naphthalene	µg/m3	3	16	19	0.043	0.7	0.13	4.9	Background1	J	1.39	0.947	0.376	95% KM (t) UCL	0.376	95% KM (t) UCL
Combined Background	AA	Styrene	µg/m3	12	18	67	0.035	0.46	0.052	0.8	Background2		0.152	0.149	0.182	95% KM (BCA) UCL	0.182	95% KM (BCA) UCL
Combined Background	AA	Tetrachloroethene	µg/m3	16	18	89	0.05	0.76	0.2	0.24	Background1		0.215	0.177	0.286	95% KM (BCA) UCL	0.286	95% KM (BCA) UCL
Combined Background	AA	Toluene	µg/m3	18	18	100	0.56	9.4	NA	NA	Background1		2.29	2.16	3.31	95% H-UCL	3.31	95% H-UCL
Combined Background	AA	trans-1,3-Dichloropropene	µg/m3	2	18	11	0.051	0.056	0.12	0.85	Background1	J	0.106	0.105	0.0578	95% KM (t) UCL	0.056	Maximum Result
Combined Background	AA	Trichloroethene	µg/m3	12	18	67	0.016	0.22	0.023	0.2	Background2		0.0674	0.0612	0.089	95% KM (t) UCL	0.089	95% KM (t) UCL
Combined Background	AA	Xylenes, m & p	µg/m3	18	18	100	0.36	5.1	NA	NA	Background1		1.24	1.23	2.5	95% Chebyshev (Mean, Sd) UCL	2.5	95% Chebyshev (Mean, Sd) UCL
Combined Background	AA	Xylenes, o	µg/m3	18	18	100	0.13	1.7	NA	NA	Background1		0.422	0.419	0.853	95% Chebyshev (Mean, Sd) UCL	0.853	95% Chebyshev (Mean, Sd) UCL
1428/1430 3rd St	AA	1,1,1-Trichloroethane	µg/m3	10	11	91	0.051	0.12	0.18	0.18	1428-OA01	J	0.0847	0.0194	0.0941	95% KM (t) UCL	0.0941	95% KM (t) UCL
1428/1430 3rd St	AA	1,1,2,2-Tetrachloroethane	µg/m3	2	11	18	0.15	0.18	0.18	0.23	1428AA	J	0.118	0.0258	0.159	95% KM (t) UCL	0.159	95% KM (t) UCL
1428/1430 3rd St	AA	1,2,4-Trimethylbenzene	µg/m3	11	11	100	0.13	23	NA	NA	1428AA		2.65	6.78	4.74	95% Chebyshev (MVUE) UCL	4.74	95% Chebyshev (MVUE) UCL
1428/1430 3rd St	AA	1,2-Dichloroethane	µg/m3	8	11	73	0.033	0.27	0.12	0.13	1428AA		0.0912	0.076	0.126	95% KM (Percentile Bootstrap) UCL	0.126	95% KM (Percentile Bootstrap) UCL
1428/1430 3rd St	AA	1,2-Dichloropropane	µg/m3	2	11	18	0.046	0.057	0.062	0.79	1428AA	J	0.109	0.141	0.0513	95% KM (t) UCL	0.0513	95% KM (t) UCL
1428/1430 3rd St	AA	1,3,5-Trimethylbenzene	µg/m3	8	11	73	0.047	8	0.046	0.84	1428AA		0.987	2.34	4.09	95% KM (Chebyshev) UCL	4.09	95% KM (Chebyshev) UCL
1428/1430 3rd St	AA	1,3-Dichlorobenzene	µg/m3	2	11	18	0.052	51	0.016	1	1428AA	J	4.78	15.3	66.8	99% KM (Chebyshev) UCL	51	Maximum Result
1428/1430 3rd St	AA	1,4-Dichlorobenzene	µg/m3	3	11	27	0.17	3.5	0.031	1	1428AA	J	0.503	1.01	1.14	95% KM (t) UCL	1.14	95% KM (t) UCL
1428/1430 3rd St	AA	Benzene	µg/m3	11	11	100	0.31	5.6	NA	NA	1428AA	J	1.14	1.57	3.2	95% Chebyshev (Mean, Sd) UCL	3.2	95% Chebyshev (Mean, Sd) UCL
1428/1430 3rd St	AA	Bromomethane	µg/m3	8	11	73	0.075	0.4	0.3	0.31	1428-OA01	J	0.194	0.111	0.244	95% KM (t) UCL	0.244	95% KM (t) UCL
1428/1430 3rd St	AA	Carbon tetrachloride	µg/m3	11	11	100	0.42	0.7	NA	NA	1428AA		0.517	0.088	0.565	95% Student's-t UCL	0.565	95% Student's-t UCL
1428/1430 3rd St	AA	Chlorobenzene	µg/m3	2	11	18	0.022	0.3	0.017	0.79	1428AA		0.137	0.147	0.31	97.5% KM (Chebyshev) UCL	0.3	Maximum Result
1428/1430 3rd St	AA	Chloroethane	µg/m3	4	11	36	0.03	0.11	0.19	0.45	1428AA	J	0.113	0.06	0.089	95% KM (t) UCL	0.089	95% KM (t) UCL
1428/1430 3rd St	AA	Chloroform	µg/m3	8	11	73	0.087	0.38	0.16	0.83	1428AA		0.201	0.132	0.208	95% KM (Percentile Bootstrap) UCL	0.208	95% KM (Percentile Bootstrap) UCL
1428/1430 3rd St	AA	Chloromethane	µg/m3	11	11	100	0.87	1.5	NA	NA	1428AA		1.17	0.21	1.28	95% Student's-t UCL	1.28	95% Student's-t UCL
1428/1430 3rd St	AA	cis-1,3-Dichloropropene	µg/m3	1	11	9	0.052	0.052	0.12	0.78	1428AA	J	0.124	0.129	0.294	Too Few Unique Detected Values *	0.052	Maximum Result
1428/1430 3rd St	AA	Ethylbenzene	µg/m3	11	11	100	0.16	12	NA	NA	1428AA		1.6	3.49	12.1	99% Chebyshev (Mean, Sd) UCL	12	Maximum Result
1428/1430 3rd St	AA	Freon 11	µg/m3	11	11	100	1.1	3.8	NA	NA	1428AA		1.67	0.74	2.08	95% Student's-t UCL	2.08	95% Student's-t UCL
1428/1430 3rd St	AA	Freon 113	µg/m3	11	11	100	0.43	0.8	NA	NA	1428AA		0.613	0.109	0.672	95% Student's-t UCL	0.672	95% Student's-t UCL
1428/1430 3rd St	AA	Freon 114	µg/m3	1	4	25	0.13	0.13	0.23	1.2	1428AA	J	0.361	0.276	NA	Fewer Than Five Samples	0.13	Maximum Result
1428/1430 3rd St	AA	Freon 12	µg/m3	11	11	100	2	3.4	NA	NA	1428AA		2.45	0.461	2.71	95% Student's-t UCL	2.71	95% Student's-t UCL
1428/1430 3rd St	AA	Methyl tert-butyl ether	µg/m3	2	11	18	0.0099	0.023	0.48	0.62	1428AA	J	0.236	0.11	0.0283	95% KM (t) UCL	0.023	Maximum Result
1428/1430 3rd St	AA	Methylene chloride	µg/m3	4	11	36	0.31	21	0.31	1.2	1428AA		2.54	6.21	6.26	95% KM (t) UCL	6.26	95% KM (t) UCL
1428/1430 3rd St	AA	Naphthalene	µg/m3	4	10	40	0.12	16	3.5	4.4	1428AA	J	2.92	4.65	5.18	95% KM (t) UCL	5.18	95% KM (t) UCL
1428/1430 3rd St	AA	Styrene	µg/m3	8	11	73	0.047	6.8	0.031	0.72	1428AA		0.771	2	6.9	99% KM (Chebyshev) UCL	6.8	Maximum Result
1428/1430 3rd St	AA	Tetrachloroethene	µg/m3	11	11	100	0.074	2.2	NA	NA	1428AA		0.338	0.622	1.16	95% Chebyshev (Mean, Sd) UCL	1.16	95% Chebyshev (Mean, Sd) UCL
1428/1430 3rd St	AA	Toluene	µg/m3	11	11	100	1	32	NA	NA	1428AA		5.95	9.17	12.5	95% Chebyshev (MVUE) UCL	12.5	95% Chebyshev (MVUE) UCL
1428/1430 3rd St	AA	trans-1,2-Dichloroethene	µg/m3	1	11	9	0.042	0.042	0.013	0.68	1428AA	J	0.262	0.12	0.419	Too Few Unique Detected Values *	0.042	Maximum Result
1428/1430 3rd St	AA	trans-1,3-Dichloropropene	µg/m3	1	11	9	0.041	0.041	0.12	0.78	1428AA	J	0.123	0.13	0.294	Too Few Unique Detected Values *	0.041	Maximum Result
1428/1430 3rd St	AA	Trichloroethene	µg/m3	10	11	91	0.025	0.44	0.032	0.032	1428AA		0.106	0.118	0.261	95% KM (Chebyshev) UCL	0.261	95% KM (Chebyshev) UCL
1428/1430 3rd St	AA	Vinyl chloride	µg/m3	1	11	9	0.058	0.058	0.034	0.044	1428AA		0.023	0.0117	0.0385	Too Few Unique Detected Values *	0.0385	Too Few Unique Detected Values *
1428/1430 3rd St	AA	Xylenes, m & p	µg/m3	11	11	100	0.43	44	NA	NA	1428AA		5.85	12.8	44.4	99% Chebyshev (Mean, Sd) UCL	44	Maximum Result
1428/1430 3rd St	AA	Xylenes, o	µg/m3	11	11	100	0.13	18	NA	NA	1428AA		2.18	5.28	18	99% Chebyshev (Mean, Sd) UCL	18	Maximum Result

* ProUCL Version 4 does not offer a calculated UCL when there are too few unique detected results (one or sometimes more than one). A 95% Chebyshev UCL using a proxy value of 1/2 the detection limit for NDs was selected in these cases.

Table 3-3
Exposure Point Concentrations for Crawlspace and Ambient Air
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Location	Matrix	Chemical	Units	Exposure Point Concentration	EPC Basis
1414 3rd St	Crawlspace Air	1,1,1-Trichloroethane	$\mu g/m^3$	15.8	95% Approximate Gamma UCL
1414 3rd St	Crawlspace Air	1,1,2-Trichloroethane	$\mu g/m^3$	0.041	Maximum Result
1414 3rd St	Crawlspace Air	1,1-Dichloroethane	$\mu g/m^3$	21.3	95% Approximate Gamma UCL
1414 3rd St	Crawlspace Air	1,1-Dichloroethene	$\mu g/m^3$	1.05	95% KM (Chebyshev) UCL
1414 3rd St	Crawlspace Air	1,2,4-Trimethylbenzene	$\mu g/m^3$	2.14	95% H-UCL
1414 3rd St	Crawlspace Air	1,2-Dibromoethane	$\mu g/m^3$	0.11	Maximum Result
1414 3rd St	Crawlspace Air	1,2-Dichloroethane	$\mu g/m^3$	0.802	95% KM (Chebyshev) UCL
1414 3rd St	Crawlspace Air	1,2-Dichloropropane	$\mu g/m^3$	0.0619	95% KM (t) UCL
1414 3rd St	Crawlspace Air	1,3,5-Trimethylbenzene	$\mu g/m^3$	0.364	95% KM (Percentile Bootstrap) UCL
1414 3rd St	Crawlspace Air	1,4-Dichlorobenzene	$\mu g/m^3$	0.417	95% KM (t) UCL
1414 3rd St	Crawlspace Air	1,4-Dioxane (p-dioxane)	$\mu g/m^3$	0.724	Too Few Unique Detected Values *
1414 3rd St	Crawlspace Air	Benzene	$\mu g/m^3$	0.724	95% Approximate Gamma UCL
1414 3rd St	Crawlspace Air	Bromomethane	$\mu g/m^3$	0.189	95% KM (t) UCL
1414 3rd St	Crawlspace Air	Carbon tetrachloride	$\mu g/m^3$	6.05	95% Chebyshev (Mean, Sd) UCL
1414 3rd St	Crawlspace Air	Chlorobenzene	$\mu g/m^3$	0.0878	95% KM (t) UCL
1414 3rd St	Crawlspace Air	Chloroethane	$\mu g/m^3$	0.384	95% KM (Percentile Bootstrap) UCL
1414 3rd St	Crawlspace Air	Chloroform	$\mu g/m^3$	1.35	95% KM (Chebyshev) UCL
1414 3rd St	Crawlspace Air	Chloromethane	$\mu g/m^3$	24.2	97.5% KM (Chebyshev) UCL
1414 3rd St	Crawlspace Air	cis-1,2-Dichloroethene	$\mu g/m^3$	272	95% Approximate Gamma UCL
1414 3rd St	Crawlspace Air	cis-1,3-Dichloropropene	$\mu g/m^3$	0.056	Maximum Result
1414 3rd St	Crawlspace Air	Ethylbenzene	$\mu g/m^3$	1.11	95% Student's-t UCL
1414 3rd St	Crawlspace Air	Freon 11	$\mu g/m^3$	2.68	95% Student's-t UCL
1414 3rd St	Crawlspace Air	Freon 113	$\mu g/m^3$	0.675	95% Student's-t UCL
1414 3rd St	Crawlspace Air	Freon 12	$\mu g/m^3$	4.23	95% Student's-t UCL
1414 3rd St	Crawlspace Air	Methyl tert-butyl ether	$\mu g/m^3$	0.0777	95% KM (t) UCL
1414 3rd St	Crawlspace Air	Methylene chloride	$\mu g/m^3$	0.801	95% KM (t) UCL
1414 3rd St	Crawlspace Air	Naphthalene	$\mu g/m^3$	0.638	95% KM (t) UCL
1414 3rd St	Crawlspace Air	Styrene	$\mu g/m^3$	0.347	95% KM (t) UCL
1414 3rd St	Crawlspace Air	Tetrachloroethene	$\mu g/m^3$	9.47	95% Approximate Gamma UCL
1414 3rd St	Crawlspace Air	Toluene	$\mu g/m^3$	9.3	95% Student's-t UCL
1414 3rd St	Crawlspace Air	trans-1,2-Dichloroethene	$\mu g/m^3$	0.635	95% KM (Chebyshev) UCL
1414 3rd St	Crawlspace Air	trans-1,3-Dichloropropene	$\mu g/m^3$	0.057	Maximum Result
1414 3rd St	Crawlspace Air	Trichloroethene	$\mu g/m^3$	13.6	95% Approximate Gamma UCL
1414 3rd St	Crawlspace Air	Vinyl chloride	$\mu g/m^3$	1.61	95% KM (BCA) UCL
1414 3rd St	Crawlspace Air	Xylenes, m & p	$\mu g/m^3$	3.86	95% Student's-t UCL
1428 3rd St	Crawlspace Air	Xylenes, o	$\mu g/m^3$	0.985	95% Student's-t UCL
1428 3rd St	Ambient Air	1,1,1-Trichloroethane	$\mu g/m^3$	0.0941	95% KM (t) UCL
1428 3rd St	Ambient Air	1,1,2,2-Tetrachloroethane	$\mu g/m^3$	0.159	95% KM (t) UCL
1428 3rd St	Ambient Air	1,2,4-Trimethylbenzene	$\mu g/m^3$	4.74	95% Chebyshev (MVUE) UCL
1428 3rd St	Ambient Air	1,2-Dichloroethane	$\mu g/m^3$	0.126	95% KM (Percentile Bootstrap) UCL
1428 3rd St	Ambient Air	1,2-Dichloropropane	$\mu g/m^3$	0.0513	95% KM (t) UCL
1428 3rd St	Ambient Air	1,3,5-Trimethylbenzene	$\mu g/m^3$	4.09	95% KM (Chebyshev) UCL
1428 3rd St	Ambient Air	1,3-Dichlorobenzene	$\mu g/m^3$	51	Maximum Result
1428 3rd St	Ambient Air	1,4-Dichlorobenzene	$\mu g/m^3$	1.14	95% KM (t) UCL
1428 3rd St	Ambient Air	Benzene	$\mu g/m^3$	3.2	95% Chebyshev (Mean, Sd) UCL
1428 3rd St	Ambient Air	Bromomethane	$\mu g/m^3$	0.244	95% KM (t) UCL
1428 3rd St	Ambient Air	Carbon tetrachloride	$\mu g/m^3$	0.565	95% Student's-t UCL
1428 3rd St	Ambient Air	Chlorobenzene	$\mu g/m^3$	0.3	Maximum Result
1428 3rd St	Ambient Air	Chloroethane	$\mu g/m^3$	0.089	95% KM (t) UCL
1428 3rd St	Ambient Air	Chloroform	$\mu g/m^3$	0.208	95% KM (Percentile Bootstrap) UCL
1428 3rd St	Ambient Air	Chloromethane	$\mu g/m^3$	1.28	95% Student's-t UCL

Table 3-3
Exposure Point Concentrations for Crawlspace and Ambient Air
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Location	Matrix	Chemical	Units	Exposure Point Concentration	EPC Basis
1428 3rd St	Ambient Air	cis-1,3-Dichloropropene	$\mu g/m^3$	0.052	Maximum Result
1428 3rd St	Ambient Air	Ethylbenzene	$\mu g/m^3$	12	Maximum Result
1428 3rd St	Ambient Air	Freon 11	$\mu g/m^3$	2.08	95% Student's-t UCL
1428 3rd St	Ambient Air	Freon 113	$\mu g/m^3$	0.672	95% Student's-t UCL
1428 3rd St	Ambient Air	Freon 114	$\mu g/m^3$	0.13	Maximum Result
1428 3rd St	Ambient Air	Freon 12	$\mu g/m^3$	2.71	95% Student's-t UCL
1428 3rd St	Ambient Air	Methyl tert-butyl ether	$\mu g/m^3$	0.023	Maximum Result
1428 3rd St	Ambient Air	Methylene chloride	$\mu g/m^3$	6.26	95% KM (t) UCL
1428 3rd St	Ambient Air	Naphthalene	$\mu g/m^3$	5.18	95% KM (t) UCL
1428 3rd St	Ambient Air	Styrene	$\mu g/m^3$	6.8	Maximum Result
1428 3rd St	Ambient Air	Tetrachloroethene	$\mu g/m^3$	1.16	95% Chebyshev (Mean, Sd) UCL
1428 3rd St	Ambient Air	Toluene	$\mu g/m^3$	12.5	95% Chebyshev (MVUE) UCL
1428 3rd St	Ambient Air	trans-1,2-Dichloroethene	$\mu g/m^3$	0.042	Maximum Result
1428 3rd St	Ambient Air	trans-1,3-Dichloropropene	$\mu g/m^3$	0.041	Maximum Result
1428 3rd St	Ambient Air	Trichloroethene	$\mu g/m^3$	0.261	95% KM (Chebyshev) UCL
1428 3rd St	Ambient Air	Vinyl chloride	$\mu g/m^3$	0.0385	Too Few Unique Detected Values *
1428 3rd St	Ambient Air	Xylenes, m & p	$\mu g/m^3$	44	Maximum Result
1428 3rd St	Ambient Air	Xylenes, o	$\mu g/m^3$	18	Maximum Result
1428 3rd St	Ambient Air	1,1,1-Trichloroethane	$\mu g/m^3$	0.114	95% KM (t) UCL
1428 3rd St	Ambient Air	1,1,2,2-Tetrachloroethane	$\mu g/m^3$	0.074	Maximum Result
1428 3rd St	Ambient Air	1,1,2-Trichloroethane	$\mu g/m^3$	0.065	Maximum Result
1428 3rd St	Ambient Air	1,1-Dichloroethane	$\mu g/m^3$	0.026	Maximum Result
1428 3rd St	Ambient Air	1,2,4-Trimethylbenzene	$\mu g/m^3$	33.5	99% KM (Chebyshev) UCL
1428 3rd St	Ambient Air	1,2-Dibromoethane	$\mu g/m^3$	0.034	Maximum Result
1428 3rd St	Ambient Air	1,2-Dichloroethane	$\mu g/m^3$	2.1	99% KM (Chebyshev) UCL
1428 3rd St	Ambient Air	1,2-Dichloropropane	$\mu g/m^3$	0.0906	95% KM (t) UCL
1428 3rd St	Ambient Air	1,3,5-Trimethylbenzene	$\mu g/m^3$	9.46	99% KM (Chebyshev) UCL
1428 3rd St	Ambient Air	1,4-Dichlorobenzene	$\mu g/m^3$	0.565	95% KM (t) UCL
1428 3rd St	Ambient Air	Benzene	$\mu g/m^3$	1.1	95% KM (Chebyshev) UCL
1428 3rd St	Ambient Air	Bromomethane	$\mu g/m^3$	0.185	95% KM (t) UCL
1428 3rd St	Ambient Air	Carbon tetrachloride	$\mu g/m^3$	0.501	95% KM (BCA) UCL
1428 3rd St	Ambient Air	Chlorobenzene	$\mu g/m^3$	0.0372	95% KM (t) UCL
1428 3rd St	Ambient Air	Chloroethane	$\mu g/m^3$	0.178	95% KM (BCA) UCL
1428 3rd St	Ambient Air	Chloroform	$\mu g/m^3$	2.53	95% KM (Chebyshev) UCL
1428 3rd St	Ambient Air	Chloromethane	$\mu g/m^3$	8.88	97.5% KM (Chebyshev) UCL
1428 3rd St	Ambient Air	Ethylbenzene	$\mu g/m^3$	1.26	95% Approximate Gamma UCL
1428 3rd St	Ambient Air	Freon 11	$\mu g/m^3$	2.95	95% KM (Chebyshev) UCL
1428 3rd St	Ambient Air	Freon 113	$\mu g/m^3$	0.654	95% KM (t) UCL
1428 3rd St	Ambient Air	Freon 12	$\mu g/m^3$	2.54	95% KM (t) UCL
1428 3rd St	Ambient Air	Methylene chloride	$\mu g/m^3$	2.17	95% KM (t) UCL
1428 3rd St	Ambient Air	Naphthalene	$\mu g/m^3$	1.09	95% KM (t) UCL
1428 3rd St	Ambient Air	Styrene	$\mu g/m^3$	0.498	95% KM (Chebyshev) UCL
1428 3rd St	Ambient Air	Tetrachloroethene	$\mu g/m^3$	1.74	95% Chebyshev (Mean, Sd) UCL
1428 3rd St	Ambient Air	Toluene	$\mu g/m^3$	12.6	95% Approximate Gamma UCL
1428 3rd St	Ambient Air	trans-1,3-Dichloropropene	$\mu g/m^3$	0.018	Maximum Result
1428 3rd St	Ambient Air	Trichloroethene	$\mu g/m^3$	3.37	99% Chebyshev (Mean, Sd) UCL
1428 3rd St	Ambient Air	Vinyl chloride	$\mu g/m^3$	1.58	95% KM (t) UCL
1428 3rd St	Ambient Air	Xylenes, m & p	$\mu g/m^3$	5.49	95% Approximate Gamma UCL
1428 3rd St	Ambient Air	Xylenes, o	$\mu g/m^3$	3.43	95% Chebyshev (MVUE) UCL
1432 3rd St	Ambient Air	1,1,1-Trichloroethane	$\mu g/m^3$	0.0823	95% KM (t) UCL
1432 3rd St	Ambient Air	1,2,4-Trimethylbenzene	$\mu g/m^3$	0.983	95% KM (Chebyshev) UCL

Table 3-3
Exposure Point Concentrations for Crawlspace and Ambient Air
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Location	Matrix	Chemical	Units	Exposure Point Concentration	EPC Basis
1432 3rd St	Ambient Air	1,2-Dichlorobenzene	$\mu g/m^3$	0.13	Maximum Result
1432 3rd St	Ambient Air	1,2-Dichloroethane	$\mu g/m^3$	0.0557	95% KM (t) UCL
1432 3rd St	Ambient Air	1,2-Dichloropropane	$\mu g/m^3$	0.0438	95% KM (t) UCL
1432 3rd St	Ambient Air	1,3,5-Trimethylbenzene	$\mu g/m^3$	0.354	95% KM (Chebyshev) UCL
1432 3rd St	Ambient Air	1,3-Dichlorobenzene	$\mu g/m^3$	0.092	Maximum Result
1432 3rd St	Ambient Air	1,4-Dichlorobenzene	$\mu g/m^3$	0.25	Maximum Result
1432 3rd St	Ambient Air	Benzene	$\mu g/m^3$	0.852	95% Approximate Gamma UCL
1432 3rd St	Ambient Air	Bromomethane	$\mu g/m^3$	1.18	95% KM (Chebyshev) UCL
1432 3rd St	Ambient Air	Carbon tetrachloride	$\mu g/m^3$	0.525	95% Student's-t UCL
1432 3rd St	Ambient Air	Chlorobenzene	$\mu g/m^3$	0.022	Maximum Result
1432 3rd St	Ambient Air	Chloroethane	$\mu g/m^3$	0.0991	95% KM (t) UCL
1432 3rd St	Ambient Air	Chloroform	$\mu g/m^3$	0.234	95% KM (t) UCL
1432 3rd St	Ambient Air	Chloromethane	$\mu g/m^3$	1.21	95% Student's-t UCL
1432 3rd St	Ambient Air	cis-1,3-Dichloropropene	$\mu g/m^3$	0.051	Maximum Result
1432 3rd St	Ambient Air	Ethylbenzene	$\mu g/m^3$	0.642	95% Approximate Gamma UCL
1432 3rd St	Ambient Air	Freon 11	$\mu g/m^3$	2.05	95% Student's-t UCL
1432 3rd St	Ambient Air	Freon 113	$\mu g/m^3$	0.645	95% Student's-t UCL
1432 3rd St	Ambient Air	Freon 114	$\mu g/m^3$	0.13	Maximum Result
1432 3rd St	Ambient Air	Freon 12	$\mu g/m^3$	2.52	95% Student's-t UCL
1432 3rd St	Ambient Air	Methyl tert-butyl ether	$\mu g/m^3$	0.019	Maximum Result
1432 3rd St	Ambient Air	Methylene chloride	$\mu g/m^3$	1.78	95% KM (t) UCL
1432 3rd St	Ambient Air	Naphthalene	$\mu g/m^3$	0.74	Maximum Result
1432 3rd St	Ambient Air	Styrene	$\mu g/m^3$	0.193	95% KM (t) UCL
1432 3rd St	Ambient Air	Tetrachloroethene	$\mu g/m^3$	0.239	95% KM (t) UCL
1432 3rd St	Ambient Air	Toluene	$\mu g/m^3$	3.96	95% Approximate Gamma UCL
1432 3rd St	Ambient Air	trans-1,3-Dichloropropene	$\mu g/m^3$	0.046	Maximum Result
1432 3rd St	Ambient Air	Trichloroethene	$\mu g/m^3$	0.102	95% KM (t) UCL
1432 3rd St	Ambient Air	Xylenes, m & p	$\mu g/m^3$	2.12	95% Approximate Gamma UCL
1432 3rd St	Ambient Air	Xylenes, o	$\mu g/m^3$	0.704	95% Approximate Gamma UCL
1432 3rd St	Crawlspace Air	1,1,1-Trichloroethane	$\mu g/m^3$	0.0961	95% KM (t) UCL
1432 3rd St	Crawlspace Air	1,2,4-Trimethylbenzene	$\mu g/m^3$	30.9	99% Chebyshev (Mean, Sd) UCL
1432 3rd St	Crawlspace Air	1,2-Dichlorobenzene	$\mu g/m^3$	0.16	Maximum Result
1432 3rd St	Crawlspace Air	1,2-Dichloroethane	$\mu g/m^3$	0.627	97.5% KM (Chebyshev) UCL
1432 3rd St	Crawlspace Air	1,2-Dichloropropane	$\mu g/m^3$	0.0615	95% KM (t) UCL
1432 3rd St	Crawlspace Air	1,3,5-Trimethylbenzene	$\mu g/m^3$	11	Maximum Result
1432 3rd St	Crawlspace Air	1,3-Dichlorobenzene	$\mu g/m^3$	63	Maximum Result
1432 3rd St	Crawlspace Air	1,4-Dichlorobenzene	$\mu g/m^3$	1.63	95% KM (t) UCL
1432 3rd St	Crawlspace Air	1,4-Dioxane (p-dioxane)	$\mu g/m^3$	0.26	Maximum Result
1432 3rd St	Crawlspace Air	Benzene	$\mu g/m^3$	16	Maximum Result
1432 3rd St	Crawlspace Air	Bromomethane	$\mu g/m^3$	0.33	95% KM (t) UCL
1432 3rd St	Crawlspace Air	Carbon tetrachloride	$\mu g/m^3$	0.531	95% Student's-t UCL
1432 3rd St	Crawlspace Air	Chlorobenzene	$\mu g/m^3$	0.146	95% KM (t) UCL
1432 3rd St	Crawlspace Air	Chloroethane	$\mu g/m^3$	0.166	95% KM (t) UCL
1432 3rd St	Crawlspace Air	Chloroform	$\mu g/m^3$	0.389	95% KM (t) UCL
1432 3rd St	Crawlspace Air	Chloromethane	$\mu g/m^3$	3.07	95% H-UCL
1432 3rd St	Crawlspace Air	cis-1,3-Dichloropropene	$\mu g/m^3$	0.036	Maximum Result
1432 3rd St	Crawlspace Air	Ethylbenzene	$\mu g/m^3$	20	99% Chebyshev (Mean, Sd) UCL
1432 3rd St	Crawlspace Air	Freon 11	$\mu g/m^3$	2.16	95% Student's-t UCL
1432 3rd St	Crawlspace Air	Freon 113	$\mu g/m^3$	0.676	95% Student's-t UCL
1432 3rd St	Crawlspace Air	Freon 114	$\mu g/m^3$	0.23	Maximum Result
1432 3rd St	Crawlspace Air	Freon 12	$\mu g/m^3$	2.54	95% Student's-t UCL

Table 3-3
Exposure Point Concentrations for Crawlspace and Ambient Air
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Location	Matrix	Chemical	Units	Exposure Point Concentration	EPC Basis
1432 3rd St	Crawlspace Air	Methyl tert-butyl ether	$\mu g/m^3$	0.019	Maximum Result
1432 3rd St	Crawlspace Air	Methylene chloride	$\mu g/m^3$	1.37	95% KM (t) UCL
1432 3rd St	Crawlspace Air	Naphthalene	$\mu g/m^3$	0.882	95% KM (t) UCL
1432 3rd St	Crawlspace Air	Styrene	$\mu g/m^3$	5.56	95% KM (Chebyshev) UCL
1432 3rd St	Crawlspace Air	Tetrachloroethene	$\mu g/m^3$	2.21	97.5% KM (Chebyshev) UCL
1432 3rd St	Crawlspace Air	Toluene	$\mu g/m^3$	30.6	95% Approximate Gamma UCL
1432 3rd St	Crawlspace Air	trans-1,3-Dichloropropene	$\mu g/m^3$	0.04	Maximum Result
1432 3rd St	Crawlspace Air	Trichloroethene	$\mu g/m^3$	0.886	95% KM (Chebyshev) UCL
1432 3rd St	Crawlspace Air	Vinyl chloride	$\mu g/m^3$	2.8	Maximum Result
1432 3rd St	Crawlspace Air	Xylenes, m & p	$\mu g/m^3$	93.7	99% Chebyshev (Mean, Sd) UCL
1432 3rd St	Crawlspace Air	Xylenes, o	$\mu g/m^3$	32.9	99% Chebyshev (Mean, Sd) UCL
1436 3rd St	Ambient Air	1,1,1-Trichloroethane	$\mu g/m^3$	0.099	95% KM (t) UCL
1436 3rd St	Ambient Air	1,2,4-Trimethylbenzene	$\mu g/m^3$	1.59	95% Student's-t UCL
1436 3rd St	Ambient Air	1,2-Dichlorobenzene	$\mu g/m^3$	0.1	Maximum Result
1436 3rd St	Ambient Air	1,2-Dichloroethane	$\mu g/m^3$	0.061	95% KM (t) UCL
1436 3rd St	Ambient Air	1,3,5-Trimethylbenzene	$\mu g/m^3$	0.537	95% Student's-t UCL
1436 3rd St	Ambient Air	1,3-Dichlorobenzene	$\mu g/m^3$	0.074	Maximum Result
1436 3rd St	Ambient Air	1,4-Dichlorobenzene	$\mu g/m^3$	0.204	95% KM (t) UCL
1436 3rd St	Ambient Air	1,4-Dioxane (p-dioxane)	$\mu g/m^3$	0.22	Maximum Result
1436 3rd St	Ambient Air	Benzene	$\mu g/m^3$	1.32	95% Student's-t UCL
1436 3rd St	Ambient Air	Bromomethane	$\mu g/m^3$	0.295	95% KM (t) UCL
1436 3rd St	Ambient Air	Carbon tetrachloride	$\mu g/m^3$	0.568	95% Student's-t UCL
1436 3rd St	Ambient Air	Chlorobenzene	$\mu g/m^3$	0.048	Maximum Result
1436 3rd St	Ambient Air	Chloroethane	$\mu g/m^3$	0.0689	95% KM (t) UCL
1436 3rd St	Ambient Air	Chloroform	$\mu g/m^3$	0.274	95% KM (BCA) UCL
1436 3rd St	Ambient Air	Chloromethane	$\mu g/m^3$	7.27	95% Chebyshev (Mean, Sd) UCL
1436 3rd St	Ambient Air	Ethylbenzene	$\mu g/m^3$	1.57	95% Student's-t UCL
1436 3rd St	Ambient Air	Freon 11	$\mu g/m^3$	1.98	95% Student's-t UCL
1436 3rd St	Ambient Air	Freon 113	$\mu g/m^3$	0.692	95% Student's-t UCL
1436 3rd St	Ambient Air	Freon 114	$\mu g/m^3$	0.14	Maximum Result
1436 3rd St	Ambient Air	Freon 12	$\mu g/m^3$	2.81	95% Student's-t UCL
1436 3rd St	Ambient Air	Methylene chloride	$\mu g/m^3$	6.99	95% KM (t) UCL
1436 3rd St	Ambient Air	Naphthalene	$\mu g/m^3$	0.62	Maximum Result
1436 3rd St	Ambient Air	Styrene	$\mu g/m^3$	0.314	95% KM (t) UCL
1436 3rd St	Ambient Air	Tetrachloroethene	$\mu g/m^3$	0.252	95% KM (t) UCL
1436 3rd St	Ambient Air	Toluene	$\mu g/m^3$	14	Maximum Result
1436 3rd St	Ambient Air	Trichloroethene	$\mu g/m^3$	0.189	95% KM (t) UCL
1436 3rd St	Ambient Air	Vinyl chloride	$\mu g/m^3$	0.627	Too Few Unique Detected Values *
1436 3rd St	Ambient Air	Xylenes, m & p	$\mu g/m^3$	7.9	Maximum Result
1436 3rd St	Ambient Air	Xylenes, o	$\mu g/m^3$	1.65	95% Student's-t UCL
320 Center St	Ambient Air	1,1,1-Trichloroethane	$\mu g/m^3$	0.0868	95% Student's-t UCL
320 Center St	Ambient Air	1,2,4-Trimethylbenzene	$\mu g/m^3$	1.72	95% Student's-t UCL
320 Center St	Ambient Air	1,2-Dichloroethane	$\mu g/m^3$	0.0785	95% Student's-t UCL
320 Center St	Ambient Air	1,3,5-Trimethylbenzene	$\mu g/m^3$	0.83	Maximum Result
320 Center St	Ambient Air	1,4-Dichlorobenzene	$\mu g/m^3$	0.19	Maximum Result
320 Center St	Ambient Air	Benzene	$\mu g/m^3$	1.35	95% Student's-t UCL
320 Center St	Ambient Air	Bromomethane	$\mu g/m^3$	0.18	Maximum Result
320 Center St	Ambient Air	Carbon tetrachloride	$\mu g/m^3$	0.546	95% Student's-t UCL
320 Center St	Ambient Air	Chlorobenzene	$\mu g/m^3$	0.02	Maximum Result
320 Center St	Ambient Air	Chloroform	$\mu g/m^3$	0.311	95% KM (t) UCL
320 Center St	Ambient Air	Chloromethane	$\mu g/m^3$	1.1	Maximum Result

Table 3-3
Exposure Point Concentrations for Crawlspace and Ambient Air
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Location	Matrix	Chemical	Units	Exposure Point Concentration	EPC Basis
320 Center St	Ambient Air	cis-1,3-Dichloropropene	$\mu g/m^3$	0.046	Maximum Result
320 Center St	Ambient Air	Ethylbenzene	$\mu g/m^3$	1.27	95% Student's-t UCL
320 Center St	Ambient Air	Freon 11	$\mu g/m^3$	3.09	95% Approximate Gamma UCL
320 Center St	Ambient Air	Freon 113	$\mu g/m^3$	0.736	95% KM (t) UCL
320 Center St	Ambient Air	Freon 12	$\mu g/m^3$	2.66	95% Student's-t UCL
320 Center St	Ambient Air	Methylene chloride	$\mu g/m^3$	3.01	95% KM (t) UCL
320 Center St	Ambient Air	Naphthalene	$\mu g/m^3$	1.9	Maximum Result
320 Center St	Ambient Air	Styrene	$\mu g/m^3$	0.315	95% KM (t) UCL
320 Center St	Ambient Air	Tetrachloroethene	$\mu g/m^3$	0.27	Maximum Result
320 Center St	Ambient Air	Toluene	$\mu g/m^3$	8.71	95% Student's-t UCL
320 Center St	Ambient Air	trans-1,3-Dichloropropene	$\mu g/m^3$	0.037	Maximum Result
320 Center St	Ambient Air	Trichloroethene	$\mu g/m^3$	0.1	Maximum Result
320 Center St	Ambient Air	Xylenes, m & p	$\mu g/m^3$	6.4	Maximum Result
320 Center St	Ambient Air	Xylenes, o	$\mu g/m^3$	2.2	Maximum Result
320 Center St	Crawlspace Air	1,1,1-Trichloroethane	$\mu g/m^3$	0.117	95% Student's-t UCL
320 Center St	Crawlspace Air	1,2,4-Trimethylbenzene	$\mu g/m^3$	1.94	95% H-UCL
320 Center St	Crawlspace Air	1,2-Dichloroethane	$\mu g/m^3$	1.17	95% Approximate Gamma UCL
320 Center St	Crawlspace Air	1,2-Dichloropropane	$\mu g/m^3$	0.14	Maximum Result
320 Center St	Crawlspace Air	1,3,5-Trimethylbenzene	$\mu g/m^3$	0.678	95% Chebyshev (Mean, Sd) UCL
320 Center St	Crawlspace Air	1,4-Dichlorobenzene	$\mu g/m^3$	0.916	95% KM (t) UCL
320 Center St	Crawlspace Air	Benzene	$\mu g/m^3$	1.32	95% Student's-t UCL
320 Center St	Crawlspace Air	Bromomethane	$\mu g/m^3$	0.353	95% KM (t) UCL
320 Center St	Crawlspace Air	Carbon tetrachloride	$\mu g/m^3$	0.537	95% Student's-t UCL
320 Center St	Crawlspace Air	Chlorobenzene	$\mu g/m^3$	0.032	Maximum Result
320 Center St	Crawlspace Air	Chloroethane	$\mu g/m^3$	0.029	Maximum Result
320 Center St	Crawlspace Air	Chloroform	$\mu g/m^3$	0.353	95% KM (BCA) UCL
320 Center St	Crawlspace Air	Chloromethane	$\mu g/m^3$	1.04	95% Student's-t UCL
320 Center St	Crawlspace Air	cis-1,3-Dichloropropene	$\mu g/m^3$	0.053	Maximum Result
320 Center St	Crawlspace Air	Ethylbenzene	$\mu g/m^3$	1.67	95% Chebyshev (Mean, Sd) UCL
320 Center St	Crawlspace Air	Freon 11	$\mu g/m^3$	2.71	95% Approximate Gamma UCL
320 Center St	Crawlspace Air	Freon 113	$\mu g/m^3$	0.64	95% Student's-t UCL
320 Center St	Crawlspace Air	Freon 12	$\mu g/m^3$	2.5	95% Student's-t UCL
320 Center St	Crawlspace Air	Methyl tert-butyl ether	$\mu g/m^3$	0.022	Maximum Result
320 Center St	Crawlspace Air	Methylene chloride	$\mu g/m^3$	4.4	95% KM (BCA) UCL
320 Center St	Crawlspace Air	Styrene	$\mu g/m^3$	0.462	95% Student's-t UCL
320 Center St	Crawlspace Air	Tetrachloroethene	$\mu g/m^3$	0.539	95% Approximate Gamma UCL
320 Center St	Crawlspace Air	Toluene	$\mu g/m^3$	14.1	95% Student's-t UCL
320 Center St	Crawlspace Air	trans-1,3-Dichloropropene	$\mu g/m^3$	0.047	Maximum Result
320 Center St	Crawlspace Air	Trichloroethene	$\mu g/m^3$	1.19	95% Student's-t UCL
320 Center St	Crawlspace Air	Vinyl chloride	$\mu g/m^3$	0.0202	95% KM (t) UCL
326 Center St	Crawlspace Air	Xylenes, m & p	$\mu g/m^3$	5.8	95% Chebyshev (Mean, Sd) UCL
326 Center St	Crawlspace Air	Xylenes, o	$\mu g/m^3$	2.02	95% Chebyshev (Mean, Sd) UCL
326 Center St	Ambient Air	1,1,1-Trichloroethane	$\mu g/m^3$	0.0861	95% KM (t) UCL
326 Center St	Ambient Air	1,2,4-Trimethylbenzene	$\mu g/m^3$	0.612	95% Approximate Gamma UCL
326 Center St	Ambient Air	1,2-Dichlorobenzene	$\mu g/m^3$	0.083	Maximum Result
326 Center St	Ambient Air	1,2-Dichloroethane	$\mu g/m^3$	0.0526	95% KM (t) UCL
326 Center St	Ambient Air	1,3,5-Trimethylbenzene	$\mu g/m^3$	0.511	95% KM (Chebyshev) UCL
326 Center St	Ambient Air	1,3-Dichlorobenzene	$\mu g/m^3$	0.047	Maximum Result
326 Center St	Ambient Air	1,4-Dichlorobenzene	$\mu g/m^3$	0.85	Maximum Result
326 Center St	Ambient Air	Benzene	$\mu g/m^3$	1.01	95% Approximate Gamma UCL
326 Center St	Ambient Air	Bromomethane	$\mu g/m^3$	0.269	95% KM (BCA) UCL

Table 3-3
Exposure Point Concentrations for Crawlspace and Ambient Air
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Location	Matrix	Chemical	Units	Exposure Point Concentration	EPC Basis
326 Center St	Ambient Air	Carbon tetrachloride	$\mu g/m^3$	0.516	95% Student's-t UCL
326 Center St	Ambient Air	Chlorobenzene	$\mu g/m^3$	0.015	Maximum Result
326 Center St	Ambient Air	Chloroethane	$\mu g/m^3$	0.0629	95% KM (t) UCL
326 Center St	Ambient Air	Chloroform	$\mu g/m^3$	0.255	95% KM (Chebyshev) UCL
326 Center St	Ambient Air	Chloromethane	$\mu g/m^3$	1.19	95% KM (t) UCL
326 Center St	Ambient Air	cis-1,3-Dichloropropene	$\mu g/m^3$	0.052	Maximum Result
326 Center St	Ambient Air	Ethylbenzene	$\mu g/m^3$	1.06	95% Approximate Gamma UCL
326 Center St	Ambient Air	Freon 11	$\mu g/m^3$	1.58	95% Student's-t UCL
326 Center St	Ambient Air	Freon 113	$\mu g/m^3$	0.66	95% Student's-t UCL
326 Center St	Ambient Air	Freon 12	$\mu g/m^3$	2.61	95% KM (t) UCL
326 Center St	Ambient Air	Methyl tert-butyl ether	$\mu g/m^3$	0.023	Maximum Result
326 Center St	Ambient Air	Methylene chloride	$\mu g/m^3$	3.14	Too Few Unique Detected Values *
326 Center St	Ambient Air	Naphthalene	$\mu g/m^3$	0.036	Maximum Result
326 Center St	Ambient Air	Styrene	$\mu g/m^3$	0.0831	95% KM (t) UCL
326 Center St	Ambient Air	Tetrachloroethene	$\mu g/m^3$	0.26	95% KM (t) UCL
326 Center St	Ambient Air	Toluene	$\mu g/m^3$	10	Maximum Result
326 Center St	Ambient Air	trans-1,3-Dichloropropene	$\mu g/m^3$	0.048	Maximum Result
326 Center St	Ambient Air	Trichloroethene	$\mu g/m^3$	0.0761	95% KM (t) UCL
326 Center St	Ambient Air	Xylenes, m & p	$\mu g/m^3$	3.99	95% Approximate Gamma UCL
326 Center St	Ambient Air	Xylenes, o	$\mu g/m^3$	1.31	95% Approximate Gamma UCL
326 Center St	Crawlspace Air	1,1,1-Trichloroethane	$\mu g/m^3$	0.0864	95% KM (t) UCL
326 Center St	Crawlspace Air	1,1,2,2-Tetrachloroethane	$\mu g/m^3$	0.39	Too Few Unique Detected Values *
326 Center St	Crawlspace Air	1,1,2-Trichloroethane	$\mu g/m^3$	0.076	Maximum Result
326 Center St	Crawlspace Air	1,1-Dichloroethane	$\mu g/m^3$	0.015	Maximum Result
326 Center St	Crawlspace Air	1,2,4-Trimethylbenzene	$\mu g/m^3$	1.08	95% Approximate Gamma UCL
326 Center St	Crawlspace Air	1,2-Dichlorobenzene	$\mu g/m^3$	0.13	Maximum Result
326 Center St	Crawlspace Air	1,2-Dichloroethane	$\mu g/m^3$	1.57	97.5% KM (Chebyshev) UCL
326 Center St	Crawlspace Air	1,2-Dichloropropane	$\mu g/m^3$	0.102	95% KM (t) UCL
326 Center St	Crawlspace Air	1,3,5-Trimethylbenzene	$\mu g/m^3$	0.22	95% KM (t) UCL
326 Center St	Crawlspace Air	1,3-Dichlorobenzene	$\mu g/m^3$	0.096	Maximum Result
326 Center St	Crawlspace Air	1,4-Dichlorobenzene	$\mu g/m^3$	2.5	95% KM (BCA) UCL
326 Center St	Crawlspace Air	1,4-Dioxane (p-dioxane)	$\mu g/m^3$	0.18	Maximum Result
326 Center St	Crawlspace Air	Benzene	$\mu g/m^3$	0.978	95% Student's-t UCL
326 Center St	Crawlspace Air	Bromomethane	$\mu g/m^3$	0.204	95% KM (t) UCL
326 Center St	Crawlspace Air	Carbon tetrachloride	$\mu g/m^3$	0.519	95% Student's-t UCL
326 Center St	Crawlspace Air	Chlorobenzene	$\mu g/m^3$	0.033	95% KM (t) UCL
326 Center St	Crawlspace Air	Chloroethane	$\mu g/m^3$	0.0607	95% KM (t) UCL
326 Center St	Crawlspace Air	Chloroform	$\mu g/m^3$	0.272	95% KM (BCA) UCL
326 Center St	Crawlspace Air	Chloromethane	$\mu g/m^3$	1.06	95% Student's-t UCL
326 Center St	Crawlspace Air	cis-1,2-Dichloroethene	$\mu g/m^3$	0.018	Maximum Result
326 Center St	Crawlspace Air	cis-1,3-Dichloropropene	$\mu g/m^3$	0.039	Maximum Result
326 Center St	Crawlspace Air	Ethylbenzene	$\mu g/m^3$	1	95% Student's-t UCL
326 Center St	Crawlspace Air	Freon 11	$\mu g/m^3$	2.14	95% Approximate Gamma UCL
326 Center St	Crawlspace Air	Freon 113	$\mu g/m^3$	0.668	95% Student's-t UCL
326 Center St	Crawlspace Air	Freon 114	$\mu g/m^3$	0.11	Maximum Result
326 Center St	Crawlspace Air	Freon 12	$\mu g/m^3$	2.84	95% Student's-t UCL
326 Center St	Crawlspace Air	Hexachlorobutadiene	$\mu g/m^3$	0.68	Maximum Result
326 Center St	Crawlspace Air	Methyl tert-butyl ether	$\mu g/m^3$	0.016	Maximum Result
326 Center St	Crawlspace Air	Methylene chloride	$\mu g/m^3$	2.12	95% KM (t) UCL
326 Center St	Crawlspace Air	Styrene	$\mu g/m^3$	0.508	95% KM (BCA) UCL
326 Center St	Crawlspace Air	Tetrachloroethene	$\mu g/m^3$	0.469	95% KM (t) UCL

Table 3-3
Exposure Point Concentrations for Crawlspace and Ambient Air
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Location	Matrix	Chemical	Units	Exposure Point Concentration	EPC Basis
326 Center St	Crawlspace Air	Toluene	µg/m^3	16.2	95% Student's-t UCL
326 Center St	Crawlspace Air	Trichloroethene	µg/m^3	1.69	95% KM (Chebyshev) UCL
326 Center St	Crawlspace Air	Vinyl chloride	µg/m^3	0.0357	95% KM (t) UCL
326 Center St	Crawlspace Air	Xylenes, m & p	µg/m^3	3.78	95% Student's-t UCL
326 Center St	Crawlspace Air	Xylenes, o	µg/m^3	0.913	95% Student's-t UCL
339 Center St	Ambient Air	1,1,1-Trichloroethane	µg/m^3	0.062	Maximum Result
339 Center St	Ambient Air	1,1,2,2-Tetrachloroethane	µg/m^3	0.18	Maximum Result
339 Center St	Ambient Air	1,1,2-Trichloroethane	µg/m^3	0.033	Maximum Result
339 Center St	Ambient Air	1,2,4-Trimethylbenzene	µg/m^3	0.37	Maximum Result
339 Center St	Ambient Air	1,2-Dichlorobenzene	µg/m^3	0.22	Maximum Result
339 Center St	Ambient Air	1,2-Dichloroethane	µg/m^3	0.067	Maximum Result
339 Center St	Ambient Air	1,3,5-Trimethylbenzene	µg/m^3	0.16	Maximum Result
339 Center St	Ambient Air	1,3-Dichlorobenzene	µg/m^3	0.19	Maximum Result
339 Center St	Ambient Air	1,4-Dichlorobenzene	µg/m^3	0.24	Maximum Result
339 Center St	Ambient Air	Benzene	µg/m^3	0.38	Maximum Result
339 Center St	Ambient Air	Bromomethane	µg/m^3	0.41	Maximum Result
339 Center St	Ambient Air	Carbon tetrachloride	µg/m^3	0.4	Maximum Result
339 Center St	Ambient Air	Chloromethane	µg/m^3	0.92	Maximum Result
339 Center St	Ambient Air	Ethylbenzene	µg/m^3	0.21	Maximum Result
339 Center St	Ambient Air	Freon 11	µg/m^3	1.1	Maximum Result
339 Center St	Ambient Air	Freon 113	µg/m^3	0.45	Maximum Result
339 Center St	Ambient Air	Freon 12	µg/m^3	2	Maximum Result
339 Center St	Ambient Air	Methyl tert-butyl ether	µg/m^3	0.03	Maximum Result
339 Center St	Ambient Air	Methylene chloride	µg/m^3	0.46	Maximum Result
339 Center St	Ambient Air	Naphthalene	µg/m^3	1.1	Maximum Result
339 Center St	Ambient Air	Tetrachloroethene	µg/m^3	0.096	Maximum Result
339 Center St	Ambient Air	Toluene	µg/m^3	1.2	Maximum Result
339 Center St	Ambient Air	Trichloroethene	µg/m^3	0.13	Maximum Result
339 Center St	Ambient Air	Xylenes, m & p	µg/m^3	0.67	Maximum Result
339 Center St	Ambient Air	Xylenes, o	µg/m^3	0.28	Maximum Result
356 Center St	Ambient Air	1,1,1-Trichloroethane	µg/m^3	0.065	Maximum Result
356 Center St	Ambient Air	1,2,4-Trimethylbenzene	µg/m^3	0.79	Maximum Result
356 Center St	Ambient Air	1,2-Dichloroethane	µg/m^3	0.054	Maximum Result
356 Center St	Ambient Air	1,3,5-Trimethylbenzene	µg/m^3	0.19	Maximum Result
356 Center St	Ambient Air	1,4-Dichlorobenzene	µg/m^3	0.62	Maximum Result
356 Center St	Ambient Air	1,4-Dioxane (p-dioxane)	µg/m^3	0.89	Maximum Result
356 Center St	Ambient Air	Benzene	µg/m^3	0.41	Maximum Result
356 Center St	Ambient Air	Bromomethane	µg/m^3	0.36	Maximum Result
356 Center St	Ambient Air	Carbon tetrachloride	µg/m^3	0.5	Maximum Result
356 Center St	Ambient Air	Chloromethane	µg/m^3	0.98	Maximum Result
356 Center St	Ambient Air	cis-1,2-Dichloroethene	µg/m^3	0.031	Maximum Result
356 Center St	Ambient Air	Ethylbenzene	µg/m^3	0.53	Maximum Result
356 Center St	Ambient Air	Freon 11	µg/m^3	1.2	Maximum Result
356 Center St	Ambient Air	Freon 113	µg/m^3	0.68	Maximum Result
356 Center St	Ambient Air	Freon 12	µg/m^3	2.4	Maximum Result
356 Center St	Ambient Air	Methylene chloride	µg/m^3	0.6	Maximum Result
356 Center St	Ambient Air	Naphthalene	µg/m^3	1.9	Maximum Result
356 Center St	Ambient Air	Tetrachloroethene	µg/m^3	0.12	Maximum Result
356 Center St	Ambient Air	Toluene	µg/m^3	2.1	Maximum Result
356 Center St	Ambient Air	Trichloroethene	µg/m^3	0.034	Maximum Result
356 Center St	Ambient Air	Xylenes, m & p	µg/m^3	1.2	Maximum Result

Table 3-3
Exposure Point Concentrations for Crawlspace and Ambient Air
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Location	Matrix	Chemical	Units	Exposure Point Concentration	EPC Basis
356 Center St	Ambient Air	Xylenes, o	µg/m^3	0.57	Maximum Result
360 Center St	Ambient Air	1,1,1-Trichloroethane	µg/m^3	0.103	95% KM (t) UCL
360 Center St	Ambient Air	1,2,4-Trimethylbenzene	µg/m^3	5.8	Maximum Result
360 Center St	Ambient Air	1,2-Dichloroethane	µg/m^3	0.106	95% KM (t) UCL
360 Center St	Ambient Air	1,3,5-Trimethylbenzene	µg/m^3	1.12	95% KM (t) UCL
360 Center St	Ambient Air	1,4-Dichlorobenzene	µg/m^3	0.243	95% KM (t) UCL
360 Center St	Ambient Air	1,4-Dioxane (p-dioxane)	µg/m^3	0.36	Maximum Result
360 Center St	Ambient Air	Benzene	µg/m^3	1.47	95% KM (t) UCL
360 Center St	Ambient Air	Bromomethane	µg/m^3	0.311	95% KM (t) UCL
360 Center St	Ambient Air	Carbon tetrachloride	µg/m^3	0.666	95% Student's-t UCL
360 Center St	Ambient Air	Chlorobenzene	µg/m^3	0.052	Maximum Result
360 Center St	Ambient Air	Chloroethane	µg/m^3	0.075	Maximum Result
360 Center St	Ambient Air	Chloroform	µg/m^3	0.272	95% KM (t) UCL
360 Center St	Ambient Air	Chloromethane	µg/m^3	1.18	95% Student's-t UCL
360 Center St	Ambient Air	Ethylbenzene	µg/m^3	3.5	Maximum Result
360 Center St	Ambient Air	Freon 11	µg/m^3	1.63	95% Student's-t UCL
360 Center St	Ambient Air	Freon 113	µg/m^3	0.626	95% Student's-t UCL
360 Center St	Ambient Air	Freon 114	µg/m^3	0.12	Maximum Result
360 Center St	Ambient Air	Freon 12	µg/m^3	2.6	Maximum Result
360 Center St	Ambient Air	Methylene chloride	µg/m^3	3.25	95% KM (t) UCL
360 Center St	Ambient Air	Naphthalene	µg/m^3	0.041	Maximum Result
360 Center St	Ambient Air	Styrene	µg/m^3	0.397	95% KM (t) UCL
360 Center St	Ambient Air	Tetrachloroethene	µg/m^3	0.322	95% KM (t) UCL
360 Center St	Ambient Air	Toluene	µg/m^3	34	Maximum Result
360 Center St	Ambient Air	Trichloroethene	µg/m^3	0.151	95% KM (t) UCL
360 Center St	Ambient Air	Xylenes, m & p	µg/m^3	12	Maximum Result
360 Center St	Ambient Air	Xylenes, o	µg/m^3	3.4	Maximum Result
366 Center St	Ambient Air	1,1,1-Trichloroethane	µg/m^3	0.051	Maximum Result
366 Center St	Ambient Air	1,2,4-Trimethylbenzene	µg/m^3	0.32	Maximum Result
366 Center St	Ambient Air	1,2-Dichloroethane	µg/m^3	0.11	Maximum Result
366 Center St	Ambient Air	1,3,5-Trimethylbenzene	µg/m^3	0.11	Maximum Result
366 Center St	Ambient Air	Benzene	µg/m^3	0.42	Maximum Result
366 Center St	Ambient Air	Carbon tetrachloride	µg/m^3	0.48	Maximum Result
366 Center St	Ambient Air	Chloromethane	µg/m^3	1.2	Maximum Result
366 Center St	Ambient Air	Ethylbenzene	µg/m^3	0.74	Maximum Result
366 Center St	Ambient Air	Freon 11	µg/m^3	1.1	Maximum Result
366 Center St	Ambient Air	Freon 113	µg/m^3	0.52	Maximum Result
366 Center St	Ambient Air	Freon 12	µg/m^3	2	Maximum Result
366 Center St	Ambient Air	Methylene chloride	µg/m^3	0.78	Maximum Result
366 Center St	Ambient Air	Styrene	µg/m^3	0.23	Maximum Result
366 Center St	Ambient Air	Tetrachloroethene	µg/m^3	0.26	Maximum Result
366 Center St	Ambient Air	Toluene	µg/m^3	2	Maximum Result
366 Center St	Ambient Air	Trichloroethene	µg/m^3	0.045	Maximum Result
366 Center St	Ambient Air	Xylenes, m & p	µg/m^3	2.5	Maximum Result
366 Center St	Ambient Air	Xylenes, o	µg/m^3	0.85	Maximum Result
Prescott Park	Ambient Air	1,1,1-Trichloroethane	µg/m^3	0.0983	95% Student's-t UCL
Prescott Park	Ambient Air	1,1,2,2-Tetrachloroethane	µg/m^3	0.024	Maximum Result
Prescott Park	Ambient Air	1,2,4-Trimethylbenzene	µg/m^3	0.751	95% KM (t) UCL
Prescott Park	Ambient Air	1,2-Dichloroethane	µg/m^3	0.183	95% KM (t) UCL
Prescott Park	Ambient Air	1,3,5-Trimethylbenzene	µg/m^3	0.245	95% KM (t) UCL
Prescott Park	Ambient Air	1,4-Dioxane (p-dioxane)	µg/m^3	0.891	Too Few Unique Detected Values *

Table 3-3
Exposure Point Concentrations for Crawlspace and Ambient Air
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Location	Matrix	Chemical	Units	Exposure Point Concentration	EPC Basis
Prescott Park	Ambient Air	Benzene	µg/m^3	0.937	95% Student's-t UCL
Prescott Park	Ambient Air	Bromomethane	µg/m^3	1.12	95% KM (t) UCL
Prescott Park	Ambient Air	Carbon tetrachloride	µg/m^3	0.577	95% Student's-t UCL
Prescott Park	Ambient Air	Chlorobenzene	µg/m^3	0.034	Maximum Result
Prescott Park	Ambient Air	Chloroethane	µg/m^3	0.0833	95% KM (t) UCL
Prescott Park	Ambient Air	Chloroform	µg/m^3	0.373	95% KM (t) UCL
Prescott Park	Ambient Air	Chloromethane	µg/m^3	1.2	Maximum Result
Prescott Park	Ambient Air	cis-1,2-Dichloroethene	µg/m^3	0.038	Maximum Result
Prescott Park	Ambient Air	Ethylbenzene	µg/m^3	0.651	95% Student's-t UCL
Prescott Park	Ambient Air	Freon 11	µg/m^3	1.84	95% Student's-t UCL
Prescott Park	Ambient Air	Freon 113	µg/m^3	0.719	95% Student's-t UCL
Prescott Park	Ambient Air	Freon 12	µg/m^3	2.8	95% Student's-t UCL
Prescott Park	Ambient Air	Methyl tert-butyl ether	µg/m^3	0.0097	Maximum Result
Prescott Park	Ambient Air	Methylene chloride	µg/m^3	0.4	Maximum Result
Prescott Park	Ambient Air	Styrene	µg/m^3	0.231	95% KM (t) UCL
Prescott Park	Ambient Air	Tetrachloroethene	µg/m^3	0.314	95% Student's-t UCL
Prescott Park	Ambient Air	Toluene	µg/m^3	3.45	95% Student's-t UCL
Prescott Park	Ambient Air	Trichloroethene	µg/m^3	0.105	95% KM (t) UCL
Prescott Park	Ambient Air	Xylenes, m & p	µg/m^3	1.96	95% Student's-t UCL
Prescott Park	Ambient Air	Xylenes, o	µg/m^3	0.688	95% Student's-t UCL
Combined Background	Ambient Air	1,1,1-Trichloroethane	µg/m^3	0.0797	95% KM (t) UCL
Combined Background	Ambient Air	1,1-Dichloroethane	µg/m^3	0.011	Maximum Result
Combined Background	Ambient Air	1,1-Dichloroethene	µg/m^3	0.0392	Too Few Unique Detected Values *
Combined Background	Ambient Air	1,2,4-Trimethylbenzene	µg/m^3	0.639	95% H-UCL
Combined Background	Ambient Air	1,2-Dichloroethane	µg/m^3	0.0535	95% KM (t) UCL
Combined Background	Ambient Air	1,2-Dichloropropane	µg/m^3	0.0448	95% KM (t) UCL
Combined Background	Ambient Air	1,3,5-Trimethylbenzene	µg/m^3	0.272	95% KM (Chebyshev) UCL
Combined Background	Ambient Air	1,4-Dichlorobenzene	µg/m^3	0.0948	95% KM (t) UCL
Combined Background	Ambient Air	1,4-Dioxane (p-dioxane)	µg/m^3	0.383	Too Few Unique Detected Values *
Combined Background	Ambient Air	Benzene	µg/m^3	0.8	95% Approximate Gamma UCL
Combined Background	Ambient Air	Bromomethane	µg/m^3	0.682	95% KM (Chebyshev) UCL
Combined Background	Ambient Air	Carbon tetrachloride	µg/m^3	0.526	95% Student's-t UCL
Combined Background	Ambient Air	Chlorobenzene	µg/m^3	0.0268	95% KM (t) UCL
Combined Background	Ambient Air	Chloroethane	µg/m^3	0.0484	95% KM (t) UCL
Combined Background	Ambient Air	Chloroform	µg/m^3	0.154	95% KM (BCA) UCL
Combined Background	Ambient Air	Chloromethane	µg/m^3	1.16	95% Student's-t UCL
Combined Background	Ambient Air	cis-1,2-Dichloroethene	µg/m^3	0.025	Maximum Result
Combined Background	Ambient Air	cis-1,3-Dichloropropene	µg/m^3	0.0593	95% KM (t) UCL
Combined Background	Ambient Air	Ethylbenzene	µg/m^3	0.582	95% H-UCL
Combined Background	Ambient Air	Freon 11	µg/m^3	1.89	95% Student's-t UCL
Combined Background	Ambient Air	Freon 113	µg/m^3	0.674	95% Student's-t UCL
Combined Background	Ambient Air	Freon 114	µg/m^3	0.12	Maximum Result
Combined Background	Ambient Air	Freon 12	µg/m^3	2.56	95% Student's-t UCL
Combined Background	Ambient Air	Methyl tert-butyl ether	µg/m^3	0.23	95% KM (t) UCL
Combined Background	Ambient Air	Methylene chloride	µg/m^3	0.233	95% KM (t) UCL
Combined Background	Ambient Air	Naphthalene	µg/m^3	0.376	95% KM (t) UCL
Combined Background	Ambient Air	Styrene	µg/m^3	0.182	95% KM (BCA) UCL
Combined Background	Ambient Air	Tetrachloroethene	µg/m^3	0.286	95% KM (BCA) UCL
Combined Background	Ambient Air	Toluene	µg/m^3	3.31	95% H-UCL
Combined Background	Ambient Air	trans-1,3-Dichloropropene	µg/m^3	0.056	Maximum Result
Combined Background	Ambient Air	Trichloroethene	µg/m^3	0.089	95% KM (t) UCL

Table 3-3
Exposure Point Concentrations for Crawlspace and Ambient Air
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Location	Matrix	Chemical	Units	Exposure Point Concentration	EPC Basis
Combined Background	Ambient Air	Xylenes, m & p	$\mu g/m^3$	2.5	95% Chebyshev (Mean, Sd) UCL
Combined Background	Ambient Air	Xylenes, o	$\mu g/m^3$	0.853	95% Chebyshev (Mean, Sd) UCL

Table 3-4
Risk Calculation Worksheet for 1414 3rd St - Crawl Space Air - Occupational Exposure Scenario - Commercial/Industrial Worker
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Occupational
	Scenario Timeframe:	Chronic
	Exposure Medium:	Crawl Space Air
	Exposure Point:	OnSite
	Receptor Population:	Commercial/Industrial Worker
	Receptor Age:	Adult

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	250	days/yr
Exposure Time for inhalation of vola	ET_i	8	hr/day
Exposure Duration	ED	25	years
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens	ATnc	25	yr
Conversion Factor 1	CF1	0.001	mg/ug

Risk Calculations

Adult Commercial/Industrial Worker Scenario

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
1,1,1-Trichloroethane	15.8	1.29E+00				3.61E+00	5.00E+00	7.21E-04	0.1%
1,1,2-Trichloroethane	0.041	3.34E-03	1.60E-05	5.35E-08	0.1%	9.36E-03			
1,1-Dichloroethane	21.3	1.74E+00	1.60E-06	**2.78E-06**	5%	4.86E+00			
1,1-Dichloroethene	1.05	8.56E-02				2.40E-01	7.00E-02	3.42E-03	0.6%
1,2,4-Trimethylbenzene	2.14	1.74E-01				4.89E-01	7.00E-03	6.98E-02	12%
1,2-Dibromoethane	0.11	8.97E-03	6.00E-04	**5.38E-06**	9%	2.51E-02	9.00E-03	2.79E-03	0.5%
1,2-Dichloroethane	0.802	6.54E-02	2.60E-05	**1.70E-06**	3%	1.83E-01	2.40E+00	7.63E-05	0.01%
1,2-Dichloropropane	0.0619	5.05E-03	1.00E-05	5.05E-08	0.09%	1.41E-02	4.00E-03	3.53E-03	0.6%
1,3,5-Trimethylbenzene	0.364	2.97E-02				8.31E-02	6.00E-03	1.39E-02	2.4%
1,4-Dichlorobenzene	0.417	3.40E-02	1.10E-05	3.74E-07	0.6%	9.52E-02	8.00E-01	1.19E-04	0.02%
1,4-Dioxane (p-dioxane)	0.724	5.90E-02	7.70E-06	4.55E-07	0.8%	1.65E-01	3.00E+00	5.51E-05	0.01%
Benzene	0.724	5.90E-02	2.90E-05	**1.71E-06**	3%	1.65E-01	3.00E-02	5.51E-03	1%
Bromomethane	0.189	1.54E-02				4.32E-02	5.00E-03	8.63E-03	1.5%
Carbon tetrachloride	6.05	4.93E-01	4.20E-05	**2.07E-05**	35%	1.38E+00	1.90E-01	7.27E-03	1.3%
Chlorobenzene	0.0878	7.16E-03				2.00E-02	5.00E-02	4.01E-04	0.07%
Chloroethane	0.384	3.13E-02				8.77E-02	1.00E+01	8.77E-06	0.002%
Chloroform	1.35	1.10E-01	2.30E-05	**2.53E-06**	4%	3.08E-01	9.80E-02	3.15E-03	0.6%

Table 3-4
Risk Calculation Worksheet for 1414 3rd St - Crawl Space Air - Occupational Exposure Scenario - Commercial/Industrial Worker
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Occupational
	Scenario Timeframe:	Chronic
	Exposure Medium:	Crawl Space Air
	Exposure Point:	OnSite
	Receptor Population:	Commercial/Industrial Worker
	Receptor Age:	Adult

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	250	days/yr
Exposure Time for inhalation of vola	ET_i	8	hr/day
Exposure Duration	ED	25	years
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens	ATnc	25	yr
Conversion Factor 1	CF1	0.001	mg/ug

Risk Calculations

Adult Commercial/Industrial Worker Scenario

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Chloromethane	24.2	1.97E+00	1.80E-06	**3.55E-06**	6%	5.53E+00	9.00E-02	6.14E-02	11%
cis-1,2-Dichloroethene	272	2.22E+01				6.21E+01			
cis-1,3-Dichloropropene	0.056	4.57E-03	1.60E-05	7.31E-08	0.1%	1.28E-02	2.00E-02	6.39E-04	0.1%
Ethylbenzene	1.11	9.05E-02	2.50E-06	2.26E-07	0.4%	2.53E-01	1.00E+00	2.53E-04	0.04%
Freon 11	2.68	2.19E-01				6.12E-01	7.00E-01	8.74E-04	0.2%
Freon 113	0.675	5.50E-02				1.54E-01	3.00E+01	5.14E-06	0.0009%
Freon 12	4.23	3.45E-01				9.66E-01	2.00E-01	4.83E-03	0.8%
Methyl tert-butyl ether	0.0777	6.34E-03	2.60E-07	1.65E-09	0.003%	1.77E-02	3.00E+00	5.91E-06	0.001%
Methylene chloride	0.801	6.53E-02	1.00E-06	6.53E-08	0.1%	1.83E-01	4.00E-01	4.57E-04	0.08%
Naphthalene	0.638	5.20E-02	3.40E-05	**1.77E-06**	3%	1.46E-01	3.00E-03	4.86E-02	9%
Styrene	0.347	2.83E-02				7.92E-02	9.00E-01	8.80E-05	0.02%
Tetrachloroethene	9.47	7.72E-01	5.90E-06	**4.56E-06**	8%	2.16E+00	2.70E-01	8.01E-03	1%
Toluene	9.3	7.58E-01				2.12E+00	3.00E-01	7.08E-03	1%
trans-1,2-Dichloroethene	0.635	5.18E-02				1.45E-01	6.00E-02	2.42E-03	0.4%
trans-1,3-Dichloropropene	0.057	4.65E-03	1.60E-05	7.44E-08	0.1%	1.30E-02	2.00E-02	6.51E-04	0.1%
Trichloroethene	13.6	1.11E+00	2.00E-06	**2.22E-06**	4%	3.11E+00	1.00E-02	3.11E-01	54%
Vinyl chloride	1.61	1.31E-01	7.80E-05	**1.02E-05**	17%	3.68E-01	1.00E-01	3.68E-03	0.6%

Table 3-4
Risk Calculation Worksheet for 1414 3rd St - Crawl Space Air - Occupational Exposure Scenario - Commercial/Industrial Worker
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information	Exposure Scenario:	Occupational
	Scenario Timeframe:	Chronic
	Exposure Medium:	Crawl Space Air
	Exposure Point:	OnSite
	Receptor Population:	Commercial/Industrial Worker
	Receptor Age:	Adult

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	250	days/yr
Exposure Time for inhalation of vola	ET_i	8	hr/day
Exposure Duration	ED	25	years
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens	ATnc	25	yr
Conversion Factor 1	CF1	0.001	mg/ug

Risk Calculations

Adult Commercial/Industrial Worker Scenario

		Inhalation Cancer					Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)		Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Xylenes, m & p	3.86	3.15E-01					8.81E-01	7.00E-01	1.26E-03	0.2%
Xylenes, o	0.985	8.03E-02					2.25E-01	7.00E-01	3.21E-04	0.06%
				Total Risk:	5.9E-05				**Total HI:**	5.7E-01

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-5
Risk Calculation Worksheet for 1428 3rd St - Crawl Space Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Crawl Space Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.114	4.68E-02				1.09E-01	5.00E+00	2.19E-05	0.0003%
1,1,2,2-Tetrachloroethane	0.074	3.04E-02	5.80E-05	**1.76E-06**	1%	7.10E-02			
1,1,2-Trichloroethane	0.065	2.67E-02	1.60E-05	4.27E-07	0.1%	6.23E-02			
1,1-Dichloroethane	0.026	1.07E-02	1.60E-06	1.71E-08	0.006%	2.49E-02			
1,2,4-Trimethylbenzene	33.5	1.38E+01				3.21E+01	7.00E-03	**4.59E+00**	65%
1,2-Dibromoethane	0.034	1.40E-02	6.00E-04	**8.38E-06**	3%	3.26E-02	9.00E-03	3.62E-03	0.1%
1,2-Dichloroethane	2.1	8.63E-01	2.60E-05	**2.24E-05**	8%	2.01E+00	2.40E+00	8.39E-04	0.01%
1,2-Dichloropropane	0.0906	3.72E-02	1.00E-05	3.72E-07	0.1%	8.69E-02	4.00E-03	2.17E-02	0.3%
1,3,5-Trimethylbenzene	9.46	3.89E+00				9.07E+00	6.00E-03	**1.51E+00**	21%
1,4-Dichlorobenzene	0.565	2.32E-01	1.10E-05	**2.55E-06**	0.9%	5.42E-01	8.00E-01	6.77E-04	0.01%
Benzene	1.1	4.52E-01	2.90E-05	**1.31E-05**	5%	1.05E+00	3.00E-02	3.52E-02	0.5%
Bromomethane	0.185	7.60E-02				1.77E-01	5.00E-03	3.55E-02	0.5%
Carbon tetrachloride	0.501	2.06E-01	4.20E-05	**8.65E-06**	3%	4.80E-01	1.90E-01	2.53E-03	0.04%
Chlorobenzene	0.0372	1.53E-02				3.57E-02	5.00E-02	7.13E-04	0.01%
Chloroethane	0.178	7.32E-02				1.71E-01	1.00E+01	1.71E-05	0.0002%
Chloroform	2.53	1.04E+00	2.30E-05	**2.39E-05**	8%	2.43E+00	9.80E-02	2.48E-02	0.3%
Chloromethane	8.88	3.65E+00	1.80E-06	**6.57E-06**	2%	8.52E+00	9.00E-02	9.46E-02	1.3%
Ethylbenzene	1.26	5.18E-01	2.50E-06	**1.29E-06**	0.5%	1.21E+00	1.00E+00	1.21E-03	0.02%
Freon 11	2.95	1.21E+00				2.83E+00	7.00E-01	4.04E-03	0.06%
Freon 113	0.654	2.69E-01				6.27E-01	3.00E+01	2.09E-05	0.0003%
Freon 12	2.54	1.04E+00				2.44E+00	2.00E-01	1.22E-02	0.17%

Table 3-5
Risk Calculation Worksheet for 1428 3rd St - Crawl Space Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Crawl Space Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer					Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)		Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Methylene chloride	2.17	8.92E-01	1.00E-06	8.92E-07	0.3%		2.08E+00	4.00E-01	5.20E-03	0.07%
Naphthalene	1.09	4.48E-01	3.40E-05	**1.52E-05**	5%		1.05E+00	3.00E-03	3.48E-01	5%
Styrene	0.498	2.05E-01					4.78E-01	9.00E-01	5.31E-04	0.007%
Tetrachloroethene	1.74	7.15E-01	5.90E-06	**4.22E-06**	1%		1.67E+00	2.70E-01	6.18E-03	0.09%
Toluene	12.6	5.18E+00					1.21E+01	3.00E-01	4.03E-02	0.6%
trans-1,3-Dichloropropene	0.018	7.40E-03	1.60E-05	1.18E-07	0.04%		1.73E-02	2.00E-02	8.63E-04	0.01%
Trichloroethene	3.37	1.38E+00	2.00E-06	**2.77E-06**	1%		3.23E+00	1.00E-02	3.23E-01	5%
Vinyl chloride	1.58	6.49E-01	7.80E-05	**1.74E-04**	61%		1.52E+00	1.00E-01	1.52E-02	0.2%
Xylenes, m & p	5.49	2.26E+00					5.26E+00	7.00E-01	7.52E-03	0.1%
Xylenes, o	3.43	1.41E+00					3.29E+00	7.00E-01	4.70E-03	0.07%
			Total Risk:	2.9E-04				**Total HI:**	7.1E+00	

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-6
Risk Calculation Worksheet for 1428 3rd St - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.0941	3.87E-02				9.02E-02	5.00E+00	1.80E-05	0.0005%
1,1,2,2-Tetrachloroethane	0.159	6.53E-02	5.80E-05	**3.79E-06**	2%	1.52E-01			
1,2,4-Trimethylbenzene	4.74	1.95E+00				4.55E+00	7.00E-03	6.49E-01	18%
1,2-Dichloroethane	0.126	5.18E-02	2.60E-05	**1.35E-06**	0.9%	1.21E-01	2.40E+00	5.03E-05	0.0014%
1,2-Dichloropropane	0.0513	2.11E-02	1.00E-05	2.11E-07	0.1%	4.92E-02	4.00E-03	1.23E-02	0.3%
1,3,5-Trimethylbenzene	4.09	1.68E+00				3.92E+00	6.00E-03	6.54E-01	18%
1,3-Dichlorobenzene	51	2.10E+01				4.89E+01	2.00E-01	2.45E-01	7%
1,4-Dichlorobenzene	1.14	4.68E-01	1.10E-05	**5.15E-06**	3%	1.09E+00	8.00E-01	1.37E-03	0.04%
Benzene	3.2	1.32E+00	2.90E-05	**3.81E-05**	24%	3.07E+00	3.00E-02	1.02E-01	3%
Bromomethane	0.244	1.00E-01				2.34E-01	5.00E-03	4.68E-02	1.3%
Carbon tetrachloride	0.565	2.32E-01	4.20E-05	**9.75E-06**	6%	5.42E-01	1.90E-01	2.85E-03	0.08%
Chlorobenzene	0.3	1.23E-01				2.88E-01	5.00E-02	5.75E-03	0.2%
Chloroethane	0.089	3.66E-02				8.53E-02	1.00E+01	8.53E-06	0.0002%
Chloroform	0.208	8.55E-02	2.30E-05	**1.97E-06**	1%	1.99E-01	9.80E-02	2.04E-03	0.06%
Chloromethane	1.28	5.26E-01	1.80E-06	9.47E-07	0.6%	1.23E+00	9.00E-02	1.36E-02	0.4%
cis-1,3-Dichloropropene	0.052	2.14E-02	1.60E-05	3.42E-07	0.2%	4.99E-02	2.00E-02	2.49E-03	0.07%
Ethylbenzene	12	4.93E+00	2.50E-06	**1.23E-05**	8%	1.15E+01	1.00E+00	1.15E-02	0.32%
Freon 11	2.08	8.55E-01				1.99E+00	7.00E-01	2.85E-03	0.08%
Freon 113	0.672	2.76E-01				6.44E-01	3.00E+01	2.15E-05	0.0006%
Freon 114	0.13	5.34E-02				1.25E-01	3.00E+01	4.16E-06	0.00012%
Freon 12	2.71	1.11E+00				2.60E+00	2.00E-01	1.30E-02	0.4%

Table 3-6
Risk Calculation Worksheet for 1428 3rd St - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Methyl tert-butyl ether	0.023	9.45E-03	2.60E-07	2.46E-09	0.002%	2.21E-02	3.00E+00	7.35E-06	0.0002%
Methylene chloride	6.26	2.57E+00	1.00E-06	**2.57E-06**	2%	6.00E+00	4.00E-01	1.50E-02	0.4%
Naphthalene	5.18	2.13E+00	3.40E-05	**7.24E-05**	46%	4.97E+00	3.00E-03	**1.66E+00**	46%
Styrene	6.8	2.79E+00				6.52E+00	9.00E-01	7.25E-03	0.2%
Tetrachloroethene	1.16	4.77E-01	5.90E-06	**2.81E-06**	2%	1.11E+00	2.70E-01	4.12E-03	0.11%
Toluene	12.5	5.14E+00				1.20E+01	3.00E-01	4.00E-02	1.1%
trans-1,2-Dichloroethene	0.042	1.73E-02				4.03E-02	6.00E-02	6.71E-04	0.02%
trans-1,3-Dichloropropene	0.041	1.68E-02	1.60E-05	2.70E-07	0.2%	3.93E-02	2.00E-02	1.97E-03	0.05%
Trichloroethene	0.261	1.07E-01	2.00E-06	2.15E-07	0.1%	2.50E-01	1.00E-02	2.50E-02	0.7%
Vinyl chloride	0.0385	1.58E-02	7.80E-05	**4.24E-06**	3%	3.69E-02	1.00E-01	3.69E-04	0.01%
Xylenes, m & p	44	1.81E+01				4.22E+01	7.00E-01	6.03E-02	1.7%
Xylenes, o	18	7.40E+00				1.73E+01	7.00E-01	2.47E-02	0.7%
				Total Risk:	1.6E-04			**Total HI:**	3.6E+00

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-7
Risk Calculation Worksheet for 1432 3rd St - Crawl Space Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Crawl Space Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.0961	3.95E-02				9.22E-02	5.00E+00	1.84E-05	0.0002%
1,2,4-Trimethylbenzene	30.9	1.27E+01				2.96E+01	7.00E-03	**4.23E+00**	55%
1,2-Dichlorobenzene	0.16	6.58E-02				1.53E-01	2.00E-01	7.67E-04	0.01%
1,2-Dichloroethane	0.627	2.58E-01	2.60E-05	**6.70E-06**	1%	6.01E-01	2.40E+00	2.51E-04	0.003%
1,2-Dichloropropane	0.0615	2.53E-02	1.00E-05	2.53E-07	0.04%	5.90E-02	4.00E-03	1.47E-02	0.2%
1,3,5-Trimethylbenzene	11	4.52E+00				1.05E+01	6.00E-03	**1.76E+00**	23%
1,3-Dichlorobenzene	63	2.59E+01				6.04E+01	2.00E-01	3.02E-01	4%
1,4-Dichlorobenzene	1.63	6.70E-01	1.10E-05	**7.37E-06**	1%	1.56E+00	8.00E-01	1.95E-03	0.03%
1,4-Dioxane (p-dioxane)	0.26	1.07E-01	7.70E-06	8.23E-07	0.1%	2.49E-01	3.00E+00	8.31E-05	0.001%
Benzene	16	6.58E+00	2.90E-05	**1.91E-04**	34%	1.53E+01	3.00E-02	5.11E-01	7%
Bromomethane	0.33	1.36E-01				3.16E-01	5.00E-03	6.33E-02	0.8%
Carbon tetrachloride	0.531	2.18E-01	4.20E-05	**9.17E-06**	2%	5.09E-01	1.90E-01	2.68E-03	0.04%
Chlorobenzene	0.146	6.00E-02				1.40E-01	5.00E-02	2.80E-03	0.04%
Chloroethane	0.166	6.82E-02				1.59E-01	1.00E+01	1.59E-05	0.0002%
Chloroform	0.389	1.60E-01	2.30E-05	**3.68E-06**	0.6%	3.73E-01	9.80E-02	3.81E-03	0.05%
Chloromethane	3.07	1.26E+00	1.80E-06	**2.27E-06**	0.4%	2.94E+00	9.00E-02	3.27E-02	0.4%
cis-1,3-Dichloropropene	0.036	1.48E-02	1.60E-05	2.37E-07	0.04%	3.45E-02	2.00E-02	1.73E-03	0.02%
Ethylbenzene	20	8.22E+00	2.50E-06	**2.05E-05**	4%	1.92E+01	1.00E+00	1.92E-02	0.3%
Freon 11	2.16	8.88E-01				2.07E+00	7.00E-01	2.96E-03	0.04%
Freon 113	0.676	2.78E-01				6.48E-01	3.00E+01	2.16E-05	0.0003%

Table 3-7
Risk Calculation Worksheet for 1432 3rd St - Crawl Space Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Crawl Space Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Freon 114	0.23	9.45E-02				2.21E-01	3.00E+01	7.35E-06	0.0001%
Freon 12	2.54	1.04E+00				2.44E+00	2.00E-01	1.22E-02	0.2%
Methyl tert-butyl ether	0.019	7.81E-03	2.60E-07	2.03E-09	0.0004%	1.82E-02	3.00E+00	6.07E-06	0.00008%
Methylene chloride	1.37	5.63E-01	1.00E-06	5.63E-07	0.1%	1.31E+00	4.00E-01	3.28E-03	0.04%
Naphthalene	0.882	3.62E-01	3.40E-05	**1.23E-05**	2%	8.46E-01	3.00E-03	2.82E-01	4%
Styrene	5.56	2.28E+00				5.33E+00	9.00E-01	5.92E-03	0.08%
Tetrachloroethene	2.21	9.08E-01	5.90E-06	**5.36E-06**	0.9%	2.12E+00	2.70E-01	7.85E-03	0.1%
Toluene	30.6	1.26E+01				2.93E+01	3.00E-01	9.78E-02	1.3%
trans-1,3-Dichloropropene	0.04	1.64E-02	1.60E-05	2.63E-07	0.05%	3.84E-02	2.00E-02	1.92E-03	0.03%
Trichloroethene	0.886	3.64E-01	2.00E-06	7.28E-07	0.13%	8.50E-01	1.00E-02	8.50E-02	1%
Vinyl chloride	2.8	1.15E+00	7.80E-05	**3.08E-04**	54%	2.68E+00	1.00E-01	2.68E-02	0.4%
Xylenes, m & p	93.7	3.85E+01				8.98E+01	7.00E-01	1.28E-01	2%
Xylenes, o	32.9	1.35E+01				3.15E+01	7.00E-01	4.51E-02	0.6%
			Total Risk:	5.7E-04			**Total HI:**	7.6E+00	

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-8
Risk Calculation Worksheet for 1432 3rd St - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.0823	3.38E-02				7.89E-02	5.00E+00	1.58E-05	0.002%
1,2,4-Trimethylbenzene	0.983	4.04E-01				9.43E-01	7.00E-03	1.35E-01	18%
1,2-Dichlorobenzene	0.13	5.34E-02				1.25E-01	2.00E-01	6.23E-04	0.1%
1,2-Dichloroethane	0.0557	2.29E-02	2.60E-05	5.95E-07	2%	5.34E-02	2.40E+00	2.23E-05	0.003%
1,2-Dichloropropane	0.0438	1.80E-02	1.00E-05	1.80E-07	0.5%	4.20E-02	4.00E-03	1.05E-02	1%
1,3,5-Trimethylbenzene	0.354	1.45E-01				3.39E-01	6.00E-03	5.66E-02	7%
1,3-Dichlorobenzene	0.092	3.78E-02				8.82E-02	2.00E-01	4.41E-04	0.06%
1,4-Dichlorobenzene	0.25	1.03E-01	1.10E-05	**1.13E-06**	3%	2.40E-01	8.00E-01	3.00E-04	0.04%
Benzene	0.852	3.50E-01	2.90E-05	**1.02E-05**	27%	8.17E-01	3.00E-02	2.72E-02	4%
Bromomethane	1.18	4.85E-01				1.13E+00	5.00E-03	2.26E-01	30%
Carbon tetrachloride	0.525	2.16E-01	4.20E-05	**9.06E-06**	24%	5.03E-01	1.90E-01	2.65E-03	0.3%
Chlorobenzene	0.022	9.04E-03				2.11E-02	5.00E-02	4.22E-04	0.06%
Chloroethane	0.0991	4.07E-02				9.50E-02	1.00E+01	9.50E-06	0.001%
Chloroform	0.234	9.62E-02	2.30E-05	**2.21E-06**	6%	2.24E-01	9.80E-02	2.29E-03	0.3%
Chloromethane	1.21	4.97E-01	1.80E-06	8.95E-07	2%	1.16E+00	9.00E-02	1.29E-02	2%
cis-1,3-Dichloropropene	0.051	2.10E-02	1.60E-05	3.35E-07	0.9%	4.89E-02	2.00E-02	2.45E-03	0.3%
Ethylbenzene	0.642	2.64E-01	2.50E-06	6.60E-07	2%	6.16E-01	1.00E+00	6.16E-04	0.1%
Freon 11	2.05	8.42E-01				1.97E+00	7.00E-01	2.81E-03	0.4%
Freon 113	0.645	2.65E-01				6.18E-01	3.00E+01	2.06E-05	0.003%
Freon 114	0.13	5.34E-02				1.25E-01	3.00E+01	4.16E-06	0.0005%

Table 3-8
Risk Calculation Worksheet for 1432 3rd St - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer					Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)		Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Freon 12	2.52	1.04E+00					2.42E+00	2.00E-01	1.21E-02	2%
Methyl tert-butyl ether	0.019	7.81E-03	2.60E-07	2.03E-09	0.005%		1.82E-02	3.00E+00	6.07E-06	0.001%
Methylene chloride	1.78	7.32E-01	1.00E-06	7.32E-07	2%		1.71E+00	4.00E-01	4.27E-03	1%
Naphthalene	0.74	3.04E-01	3.40E-05	**1.03E-05**	28%		7.10E-01	3.00E-03	2.37E-01	31%
Styrene	0.193	7.93E-02					1.85E-01	9.00E-01	2.06E-04	0.03%
Tetrachloroethene	0.239	9.82E-02	5.90E-06	5.79E-07	2%		2.29E-01	2.70E-01	8.49E-04	0.1%
Toluene	3.96	1.63E+00					3.80E+00	3.00E-01	1.27E-02	2%
trans-1,3-Dichloropropene	0.046	1.89E-02	1.60E-05	3.02E-07	0.8%		4.41E-02	2.00E-02	2.21E-03	0.3%
Trichloroethene	0.102	4.19E-02	2.00E-06	8.38E-08	0.2%		9.78E-02	1.00E-02	9.78E-03	1%
Xylenes, m & p	2.12	8.71E-01					2.03E+00	7.00E-01	2.90E-03	0.4%
Xylenes, o	0.704	2.89E-01					6.75E-01	7.00E-01	9.64E-04	0.1%
			Total Risk:	3.7E-05				**Total HI:**	7.6E-01	

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-9
Risk Calculation Worksheet for 1436 3rd St - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.099	4.07E-02				9.49E-02	5.00E+00	1.90E-05	0.002%
1,2,4-Trimethylbenzene	1.59	6.53E-01				1.52E+00	7.00E-03	2.18E-01	27%
1,2-Dichlorobenzene	0.1	4.11E-02				9.59E-02	2.00E-01	4.79E-04	0.06%
1,2-Dichloroethane	0.061	2.51E-02	2.60E-05	6.52E-07	0.5%	5.85E-02	2.40E+00	2.44E-05	0.003%
1,3,5-Trimethylbenzene	0.537	2.21E-01				5.15E-01	6.00E-03	8.58E-02	11%
1,3-Dichlorobenzene	0.074	3.04E-02				7.10E-02	2.00E-01	3.55E-04	0.04%
1,4-Dichlorobenzene	0.204	8.38E-02	1.10E-05	9.22E-07	0.8%	1.96E-01	8.00E-01	2.45E-04	0.03%
1,4-Dioxane (p-dioxane)	0.22	9.04E-02	7.70E-06	6.96E-07	0.6%	2.11E-01	3.00E+00	7.03E-05	0.009%
Benzene	1.32	5.42E-01	2.90E-05	**1.57E-05**	13%	1.27E+00	3.00E-02	4.22E-02	5%
Bromomethane	0.295	1.21E-01				2.83E-01	5.00E-03	5.66E-02	7%
Carbon tetrachloride	0.568	2.33E-01	4.20E-05	**9.80E-06**	8%	5.45E-01	1.90E-01	2.87E-03	0.4%
Chlorobenzene	0.048	1.97E-02				4.60E-02	5.00E-02	9.21E-04	0.11%
Chloroethane	0.0689	2.83E-02				6.61E-02	1.00E+01	6.61E-06	0.0008%
Chloroform	0.274	1.13E-01	2.30E-05	**2.59E-06**	2%	2.63E-01	9.80E-02	2.68E-03	0.3%
Chloromethane	7.27	2.99E+00	1.80E-06	**5.38E-06**	5%	6.97E+00	9.00E-02	7.75E-02	10%
Ethylbenzene	1.57	6.45E-01	2.50E-06	**1.61E-06**	1.4%	1.51E+00	1.00E+00	1.51E-03	0.2%
Freon 11	1.98	8.14E-01				1.90E+00	7.00E-01	2.71E-03	0.3%
Freon 113	0.692	2.84E-01				6.64E-01	3.00E+01	2.21E-05	0.003%
Freon 114	0.14	5.75E-02				1.34E-01	3.00E+01	4.47E-06	0.0006%
Freon 12	2.81	1.15E+00				2.69E+00	2.00E-01	1.35E-02	2%

Table 3-9
Risk Calculation Worksheet for 1436 3rd St - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Methylene chloride	6.99	2.87E+00	1.00E-06	**2.87E-06**	2%	6.70E+00	4.00E-01	1.68E-02	2%
Naphthalene	0.62	2.55E-01	3.40E-05	**8.66E-06**	7%	5.95E-01	3.00E-03	1.98E-01	25%
Styrene	0.314	1.29E-01				3.01E-01	9.00E-01	3.35E-04	0.04%
Tetrachloroethene	0.252	1.04E-01	5.90E-06	6.11E-07	0.5%	2.42E-01	2.70E-01	8.95E-04	0.11%
Toluene	14	5.75E+00				1.34E+01	3.00E-01	4.47E-02	6%
Trichloroethene	0.189	7.77E-02	2.00E-06	1.55E-07	0.13%	1.81E-01	1.00E-02	1.81E-02	2%
Vinyl chloride	0.627	2.58E-01	7.80E-05	**6.90E-05**	58%	6.01E-01	1.00E-01	6.01E-03	0.7%
Xylenes, m & p	7.9	3.25E+00				7.58E+00	7.00E-01	1.08E-02	1.3%
Xylenes, o	1.65	6.78E-01				1.58E+00	7.00E-01	2.26E-03	0.3%
			Total Risk:	1.2E-04			**Total HI:**	8.0E-01	

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-10
Risk Calculation Worksheet for 320 Center St - Crawl Space Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Crawl Space Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.117	4.81E-02				1.12E-01	5.00E+00	2.24E-05	0.003%
1,2,4-Trimethylbenzene	1.94	7.97E-01				1.86E+00	7.00E-03	2.66E-01	36%
1,2-Dichloroethane	1.17	4.81E-01	2.60E-05	**1.25E-05**	23%	1.12E+00	2.40E+00	4.67E-04	0.06%
1,2-Dichloropropane	0.14	5.75E-02	1.00E-05	5.75E-07	1%	1.34E-01	4.00E-03	3.36E-02	5%
1,3,5-Trimethylbenzene	0.678	2.79E-01				6.50E-01	6.00E-03	1.08E-01	15%
1,4-Dichlorobenzene	0.916	3.76E-01	1.10E-05	**4.14E-06**	8%	8.78E-01	8.00E-01	1.10E-03	0.15%
Benzene	1.32	5.42E-01	2.90E-05	**1.57E-05**	29%	1.27E+00	3.00E-02	4.22E-02	6%
Bromomethane	0.353	1.45E-01				3.38E-01	5.00E-03	6.77E-02	9%
Carbon tetrachloride	0.537	2.21E-01	4.20E-05	**9.27E-06**	17%	5.15E-01	1.90E-01	2.71E-03	0.4%
Chlorobenzene	0.032	1.32E-02				3.07E-02	5.00E-02	6.14E-04	0.08%
Chloroethane	0.029	1.19E-02				2.78E-02	1.00E+01	2.78E-06	0.0004%
Chloroform	0.353	1.45E-01	2.30E-05	**3.34E-06**	6%	3.38E-01	9.80E-02	3.45E-03	0.5%
Chloromethane	1.04	4.27E-01	1.80E-06	7.69E-07	1.4%	9.97E-01	9.00E-02	1.11E-02	1.5%
cis-1,3-Dichloropropene	0.053	2.18E-02	1.60E-05	3.48E-07	0.6%	5.08E-02	2.00E-02	2.54E-03	0.3%
Ethylbenzene	1.67	6.86E-01	2.50E-06	**1.72E-06**	3%	1.60E+00	1.00E+00	1.60E-03	0.2%
Freon 11	2.71	1.11E+00				2.60E+00	7.00E-01	3.71E-03	0.5%
Freon 113	0.64	2.63E-01				6.14E-01	3.00E+01	2.05E-05	0.003%
Freon 12	2.5	1.03E+00				2.40E+00	2.00E-01	1.20E-02	2%
Methyl tert-butyl ether	0.022	9.04E-03	2.60E-07	2.35E-09	0.004%	2.11E-02	3.00E+00	7.03E-06	0.0009%
Methylene chloride	4.4	1.81E+00	1.00E-06	**1.81E-06**	3%	4.22E+00	4.00E-01	1.05E-02	1.4%
Styrene	0.462	1.90E-01				4.43E-01	9.00E-01	4.92E-04	0.07%

Table 3-10
Risk Calculation Worksheet for 320 Center St - Crawl Space Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Crawl Space Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Tetrachloroethene	0.539	2.22E-01	5.90E-06	**1.31E-06**	2%	5.17E-01	2.70E-01	1.91E-03	0.3%
Toluene	14.1	5.79E+00				1.35E+01	3.00E-01	4.51E-02	6%
trans-1,3-Dichloropropene	0.047	1.93E-02	1.60E-05	3.09E-07	0.6%	4.51E-02	2.00E-02	2.25E-03	0.3%
Trichloroethene	1.19	4.89E-01	2.00E-06	9.78E-07	2%	1.14E+00	1.00E-02	1.14E-01	15%
Vinyl chloride	0.0202	8.30E-03	7.80E-05	**2.22E-06**	4%	1.94E-02	1.00E-01	1.94E-04	0.03%
Xylenes, m & p	5.8	2.38E+00				5.56E+00	7.00E-01	7.95E-03	1.1%
Xylenes, o	2.02	8.30E-01				1.94E+00	7.00E-01	2.77E-03	0.4%
				Total Risk:	5.5E-05			**Total HI:**	7.4E-01

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-11
Risk Calculation Worksheet for 320 Center St - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.0868	3.57E-02				8.32E-02	5.00E+00	1.66E-05	0.001%
1,2,4-Trimethylbenzene	1.72	7.07E-01				1.65E+00	7.00E-03	2.36E-01	20%
1,2-Dichloroethane	0.0785	3.23E-02	2.60E-05	8.39E-07	1%	7.53E-02	2.40E+00	3.14E-05	0.003%
1,3,5-Trimethylbenzene	0.83	3.41E-01				7.96E-01	6.00E-03	1.33E-01	12%
1,4-Dichlorobenzene	0.19	7.81E-02	1.10E-05	8.59E-07	1%	1.82E-01	8.00E-01	2.28E-04	0.02%
Benzene	1.35	5.55E-01	2.90E-05	**1.61E-05**	26%	1.29E+00	3.00E-02	4.32E-02	4%
Bromomethane	0.18	7.40E-02				1.73E-01	5.00E-03	3.45E-02	3%
Carbon tetrachloride	0.546	2.24E-01	4.20E-05	**9.42E-06**	15%	5.24E-01	1.90E-01	2.76E-03	0.2%
Chlorobenzene	0.02	8.22E-03				1.92E-02	5.00E-02	3.84E-04	0.03%
Chloroform	0.311	1.28E-01	2.30E-05	**2.94E-06**	5%	2.98E-01	9.80E-02	3.04E-03	0.3%
Chloromethane	1.1	4.52E-01	1.80E-06	8.14E-07	1%	1.05E+00	9.00E-02	1.17E-02	1%
cis-1,3-Dichloropropene	0.046	1.89E-02	1.60E-05	3.02E-07	0.5%	4.41E-02	2.00E-02	2.21E-03	0.2%
Ethylbenzene	1.27	5.22E-01	2.50E-06	**1.30E-06**	2%	1.22E+00	1.00E+00	1.22E-03	0.1%
Freon 11	3.09	1.27E+00				2.96E+00	7.00E-01	4.23E-03	0.4%
Freon 113	0.736	3.02E-01				7.06E-01	3.00E+01	2.35E-05	0.002%
Freon 12	2.66	1.09E+00				2.55E+00	2.00E-01	1.28E-02	1%
Methylene chloride	3.01	1.24E+00	1.00E-06	**1.24E-06**	2%	2.89E+00	4.00E-01	7.22E-03	0.6%
Naphthalene	1.9	7.81E-01	3.40E-05	**2.65E-05**	43%	1.82E+00	3.00E-03	6.07E-01	53%
Styrene	0.315	1.29E-01				3.02E-01	9.00E-01	3.36E-04	0.03%
Tetrachloroethene	0.27	1.11E-01	5.90E-06	6.55E-07	1%	2.59E-01	2.70E-01	9.59E-04	0.1%

Table 3-11
Risk Calculation Worksheet for 320 Center St - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer					Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)		Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Toluene	8.71	3.58E+00					8.35E+00	3.00E-01	2.78E-02	2%
trans-1,3-Dichloropropene	0.037	1.52E-02	1.60E-05	2.43E-07	0.4%		3.55E-02	2.00E-02	1.77E-03	0.2%
Trichloroethene	0.1	4.11E-02	2.00E-06	8.22E-08	0.1%		9.59E-02	1.00E-02	9.59E-03	1%
Xylenes, m & p	6.4	2.63E+00					6.14E+00	7.00E-01	8.77E-03	1%
Xylenes, o	2.2	9.04E-01					2.11E+00	7.00E-01	3.01E-03	0.3%
				Total Risk:	6.1E-05				**Total HI:**	1.2E+00

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-12
Risk Calculation Worksheet for 326 Center St - Crawl Space Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Crawl Space Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.0864	3.55E-02				8.28E-02	5.00E+00	1.66E-05	0.003%
1,1,2,2-Tetrachloroethane	0.39	1.60E-01	5.80E-05	**9.30E-06**	12%	3.74E-01			
1,1,2-Trichloroethane	0.076	3.12E-02	1.60E-05	5.00E-07	0.6%	7.29E-02			
1,1-Dichloroethane	0.015	6.16E-03	1.60E-06	9.86E-09	0.013%	1.44E-02			
1,2,4-Trimethylbenzene	1.08	4.44E-01				1.04E+00	7.00E-03	1.48E-01	27%
1,2-Dichlorobenzene	0.13	5.34E-02				1.25E-01	2.00E-01	6.23E-04	0.11%
1,2-Dichloroethane	1.57	6.45E-01	2.60E-05	**1.68E-05**	22%	1.51E+00	2.40E+00	6.27E-04	0.11%
1,2-Dichloropropane	0.102	4.19E-02	1.00E-05	4.19E-07	0.5%	9.78E-02	4.00E-03	2.45E-02	4%
1,3,5-Trimethylbenzene	0.22	9.04E-02				2.11E-01	6.00E-03	3.52E-02	6%
1,3-Dichlorobenzene	0.096	3.95E-02				9.21E-02	2.00E-01	4.60E-04	0.08%
1,4-Dichlorobenzene	2.5	1.03E+00	1.10E-05	**1.13E-05**	15%	2.40E+00	8.00E-01	3.00E-03	0.5%
1,4-Dioxane (p-dioxane)	0.18	7.40E-02	7.70E-06	5.70E-07	0.7%	1.73E-01	3.00E+00	5.75E-05	0.011%
Benzene	0.978	4.02E-01	2.90E-05	**1.17E-05**	15%	9.38E-01	3.00E-02	3.13E-02	6%
Bromomethane	0.204	8.38E-02				1.96E-01	5.00E-03	3.91E-02	7%
Carbon tetrachloride	0.519	2.13E-01	4.20E-05	**8.96E-06**	12%	4.98E-01	1.90E-01	2.62E-03	0.5%
Chlorobenzene	0.033	1.36E-02				3.16E-02	5.00E-02	6.33E-04	0.12%
Chloroethane	0.0607	2.49E-02				5.82E-02	1.00E+01	5.82E-06	0.0011%
Chloroform	0.272	1.12E-01	2.30E-05	**2.57E-06**	3%	2.61E-01	9.80E-02	2.66E-03	0.5%
Chloromethane	1.06	4.36E-01	1.80E-06	7.84E-07	1%	1.02E+00	9.00E-02	1.13E-02	2%
cis-1,2-Dichloroethene	0.018	7.40E-03				1.73E-02			
cis-1,3-Dichloropropene	0.039	1.60E-02	1.60E-05	2.56E-07	0.3%	3.74E-02	2.00E-02	1.87E-03	0.3%
Ethylbenzene	1	4.11E-01	2.50E-06	**1.03E-06**	1%	9.59E-01	1.00E+00	9.59E-04	0.2%
Freon 11	2.14	8.79E-01				2.05E+00	7.00E-01	2.93E-03	0.5%

Table 3-12
Risk Calculation Worksheet for 326 Center St - Crawl Space Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Crawl Space Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Freon 113	0.668	2.75E-01				6.41E-01	3.00E+01	2.14E-05	0.004%
Freon 114	0.11	4.52E-02				1.05E-01	3.00E+01	3.52E-06	0.0006%
Freon 12	2.84	1.17E+00				2.72E+00	2.00E-01	1.36E-02	2%
Hexachlorobutadiene	0.68	2.79E-01	2.20E-05	**6.15E-06**	8%	6.52E-01			
Methyl tert-butyl ether	0.016	6.58E-03	2.60E-07	1.71E-09	0.002%	1.53E-02	3.00E+00	5.11E-06	0.0009%
Methylene chloride	2.12	8.71E-01	1.00E-06	8.71E-07	1%	2.03E+00	4.00E-01	5.08E-03	0.9%
Styrene	0.508	2.09E-01				4.87E-01	9.00E-01	5.41E-04	0.10%
Tetrachloroethene	0.469	1.93E-01	5.90E-06	**1.14E-06**	1%	4.50E-01	2.70E-01	1.67E-03	0.3%
Toluene	16.2	6.66E+00				1.55E+01	3.00E-01	5.18E-02	9%
Trichloroethene	1.69	6.95E-01	2.00E-06	**1.39E-06**	2%	1.62E+00	1.00E-02	1.62E-01	30%
Vinyl chloride	0.0357	1.47E-02	7.80E-05	**3.93E-06**	5%	3.42E-02	1.00E-01	3.42E-04	0.06%
Xylenes, m & p	3.78	1.55E+00				3.62E+00	7.00E-01	5.18E-03	0.9%
Xylenes, o	0.913	3.75E-01				8.75E-01	7.00E-01	1.25E-03	0.2%
			Total Risk:	7.8E-05			**Total HI:**	5.5E-01	

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-13
Risk Calculation Worksheet for 326 Center St - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.0861	3.54E-02				8.26E-02	5.00E+00	1.65E-05	0.005%
1,2,4-Trimethylbenzene	0.612	2.52E-01				5.87E-01	7.00E-03	8.38E-02	24%
1,2-Dichlorobenzene	0.083	3.41E-02				7.96E-02	2.00E-01	3.98E-04	0.1%
1,2-Dichloroethane	0.0526	2.16E-02	2.60E-05	5.62E-07	2%	5.04E-02	2.40E+00	2.10E-05	0.006%
1,3,5-Trimethylbenzene	0.511	2.10E-01				4.90E-01	6.00E-03	8.17E-02	23%
1,3-Dichlorobenzene	0.047	1.93E-02				4.51E-02	2.00E-01	2.25E-04	0.06%
1,4-Dichlorobenzene	0.85	3.49E-01	1.10E-05	**3.84E-06**	12%	8.15E-01	8.00E-01	1.02E-03	0.3%
Benzene	1.01	4.15E-01	2.90E-05	**1.20E-05**	37%	9.68E-01	3.00E-02	3.23E-02	9%
Bromomethane	0.269	1.11E-01				2.58E-01	5.00E-03	5.16E-02	14%
Carbon tetrachloride	0.516	2.12E-01	4.20E-05	**8.91E-06**	27%	4.95E-01	1.90E-01	2.60E-03	0.7%
Chlorobenzene	0.015	6.16E-03				1.44E-02	5.00E-02	2.88E-04	0.08%
Chloroethane	0.0629	2.58E-02				6.03E-02	1.00E+01	6.03E-06	0.002%
Chloroform	0.255	1.05E-01	2.30E-05	**2.41E-06**	7%	2.45E-01	9.80E-02	2.50E-03	0.7%
Chloromethane	1.19	4.89E-01	1.80E-06	8.80E-07	3%	1.14E+00	9.00E-02	1.27E-02	4%
cis-1,3-Dichloropropene	0.052	2.14E-02	1.60E-05	3.42E-07	1%	4.99E-02	2.00E-02	2.49E-03	0.7%
Ethylbenzene	1.06	4.36E-01	2.50E-06	**1.09E-06**	3%	1.02E+00	1.00E+00	1.02E-03	0.3%
Freon 11	1.58	6.49E-01				1.52E+00	7.00E-01	2.16E-03	0.6%
Freon 113	0.66	2.71E-01				6.33E-01	3.00E+01	2.11E-05	0.006%
Freon 12	2.61	1.07E+00				2.50E+00	2.00E-01	1.25E-02	4%
Methyl tert-butyl ether	0.023	9.45E-03	2.60E-07	2.46E-09	0.007%	2.21E-02	3.00E+00	7.35E-06	0.002%

Table 3-13
Risk Calculation Worksheet for 326 Center St - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Methylene chloride	3.14	1.29E+00	1.00E-06	**1.29E-06**	4%	3.01E+00	4.00E-01	7.53E-03	2%
Naphthalene	0.036	1.48E-02	3.40E-05	5.03E-07	2%	3.45E-02	3.00E-03	1.15E-02	3%
Styrene	0.0831	3.42E-02				7.97E-02	9.00E-01	8.85E-05	0.0%
Tetrachloroethene	0.26	1.07E-01	5.90E-06	6.30E-07	2%	2.49E-01	2.70E-01	9.23E-04	0.3%
Toluene	10	4.11E+00				9.59E+00	3.00E-01	3.20E-02	9%
trans-1,3-Dichloropropene	0.048	1.97E-02	1.60E-05	3.16E-07	1%	4.60E-02	2.00E-02	2.30E-03	0.6%
Trichloroethene	0.0761	3.13E-02	2.00E-06	6.25E-08	0.2%	7.30E-02	1.00E-02	7.30E-03	2%
Xylenes, m & p	3.99	1.64E+00				3.83E+00	7.00E-01	5.47E-03	2%
Xylenes, o	1.31	5.38E-01				1.26E+00	7.00E-01	1.79E-03	0.5%
			Total Risk:	3.3E-05			**Total HI:**	3.6E-01	

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-14
Risk Calculation Worksheet for 339 Center St - Outdoor Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Outdoor Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.096	3.95E-02				9.21E-02	5.00E+00	1.84E-05	0.003%
1,2,4-Trimethylbenzene	2.4	9.86E-01				2.30E+00	7.00E-03	3.29E-01	50%
1,2-Dichloroethane	0.09	3.70E-02	2.60E-05	9.62E-07	2%	8.63E-02	2.40E+00	3.60E-05	0.005%
1,3,5-Trimethylbenzene	0.83	3.41E-01				7.96E-01	6.00E-03	1.33E-01	20%
1,4-Dichlorobenzene	0.19	7.81E-02	1.10E-05	8.59E-07	2%	1.82E-01	8.00E-01	2.28E-04	0.03%
Benzene	1.8	7.40E-01	2.90E-05	**2.15E-05**	51%	1.73E+00	3.00E-02	5.75E-02	9%
Bromomethane	0.18	7.40E-02				1.73E-01	5.00E-03	3.45E-02	5%
Carbon tetrachloride	0.56	2.30E-01	4.20E-05	**9.67E-06**	23%	5.37E-01	1.90E-01	2.83E-03	0.4%
Chlorobenzene	0.02	8.22E-03				1.92E-02	5.00E-02	3.84E-04	0.06%
Chloroform	0.35	1.44E-01	2.30E-05	**3.31E-06**	8%	3.36E-01	9.80E-02	3.42E-03	0.5%
Chloromethane	1.1	4.52E-01	1.80E-06	8.14E-07	2%	1.05E+00	9.00E-02	1.17E-02	1.8%
cis-1,3-Dichloropropene	0.046	1.89E-02	1.60E-05	3.02E-07	0.7%	4.41E-02	2.00E-02	2.21E-03	0.3%
Ethylbenzene	1.8	7.40E-01	2.50E-06	**1.85E-06**	4%	1.73E+00	1.00E+00	1.73E-03	0.3%
Freon 11	3.5	1.44E+00				3.36E+00	7.00E-01	4.79E-03	0.7%
Freon 113	0.8	3.29E-01				7.67E-01	3.00E+01	2.56E-05	0.004%
Freon 12	2.8	1.15E+00				2.68E+00	2.00E-01	1.34E-02	2.0%
Methylene chloride	4.2	1.73E+00	1.00E-06	**1.73E-06**	4%	4.03E+00	4.00E-01	1.01E-02	1.5%
Styrene	0.35	1.44E-01				3.36E-01	9.00E-01	3.73E-04	0.06%
Tetrachloroethene	0.27	1.11E-01	5.90E-06	6.55E-07	2%	2.59E-01	2.70E-01	9.59E-04	0.14%
Toluene	11	4.52E+00				1.05E+01	3.00E-01	3.52E-02	5.3%

Table 3-14
Risk Calculation Worksheet for 339 Center St - Outdoor Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Outdoor Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer					Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)		Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
trans-1,3-Dichloropropene	0.037	1.52E-02	1.60E-05	2.43E-07	0.6%		3.55E-02	2.00E-02	1.77E-03	0.3%
Trichloroethene	0.1	4.11E-02	2.00E-06	8.22E-08	0.2%		9.59E-02	1.00E-02	9.59E-03	1.4%
Xylenes, m & p	6.4	2.63E+00					6.14E+00	7.00E-01	8.77E-03	1.3%
Xylenes, o	2.2	9.04E-01					2.11E+00	7.00E-01	3.01E-03	0.5%
				Total Risk:	4.2E-05				**Total HI:**	0.7

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-15
Risk Calculation Worksheet for 356 Center St - Outdoor Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Outdoor Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.065	2.67E-02				6.23E-02	5.00E+00	1.25E-05	0.001%
1,2,4-Trimethylbenzene	0.79	3.25E-01				7.58E-01	7.00E-03	1.08E-01	12%
1,2-Dichloroethane	0.054	2.22E-02	2.60E-05	5.77E-07	1.2%	5.18E-02	2.40E+00	2.16E-05	0.002%
1,3,5-Trimethylbenzene	0.19	7.81E-02				1.82E-01	6.00E-03	3.04E-02	3%
1,4-Dichlorobenzene	0.62	2.55E-01	1.10E-05	**2.80E-06**	6%	5.95E-01	8.00E-01	7.43E-04	0.1%
1,4-Dioxane (p-dioxane)	0.89	3.66E-01	7.70E-06	**2.82E-06**	6%	8.53E-01	3.00E+00	2.84E-04	0.03%
Benzene	0.41	1.68E-01	2.90E-05	**4.89E-06**	10%	3.93E-01	3.00E-02	1.31E-02	1.5%
Bromomethane	0.36	1.48E-01				3.45E-01	5.00E-03	6.90E-02	8%
Carbon tetrachloride	0.5	2.05E-01	4.20E-05	**8.63E-06**	18%	4.79E-01	1.90E-01	2.52E-03	0.3%
Chloromethane	0.98	4.03E-01	1.80E-06	7.25E-07	1.5%	9.40E-01	9.00E-02	1.04E-02	1.2%
cis-1,2-Dichloroethene	0.031	1.27E-02				2.97E-02			
Ethylbenzene	0.53	2.18E-01	2.50E-06	5.45E-07	1.1%	5.08E-01	1.00E+00	5.08E-04	0.06%
Freon 11	1.2	4.93E-01				1.15E+00	7.00E-01	1.64E-03	0.2%
Freon 113	0.68	2.79E-01				6.52E-01	3.00E+01	2.17E-05	0.002%
Freon 12	2.4	9.86E-01				2.30E+00	2.00E-01	1.15E-02	1.3%
Methylene chloride	0.6	2.47E-01	1.00E-06	2.47E-07	0.5%	5.75E-01	4.00E-01	1.44E-03	0.2%
Naphthalene	1.9	7.81E-01	3.40E-05	**2.65E-05**	55%	1.82E+00	3.00E-03	6.07E-01	70%
Tetrachloroethene	0.12	4.93E-02	5.90E-06	2.91E-07	0.6%	1.15E-01	2.70E-01	4.26E-04	0.05%
Toluene	2.1	8.63E-01				2.01E+00	3.00E-01	6.71E-03	0.8%
Trichloroethene	0.034	1.40E-02	2.00E-06	2.79E-08	0.06%	3.26E-02	1.00E-02	3.26E-03	0.4%
Xylenes, m & p	1.2	4.93E-01				1.15E+00	7.00E-01	1.64E-03	0.2%
Xylenes, o	0.57	2.34E-01				5.47E-01	7.00E-01	7.81E-04	0.09%
			Total Risk:	4.8E-05			**Total HI:**	0.9	

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-16
Risk Calculation Worksheet for 360 Center St - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.103	4.23E-02				9.88E-02	5.00E+00	1.98E-05	0.002%
1,2,4-Trimethylbenzene	5.8	2.38E+00				5.56E+00	7.00E-03	7.95E-01	62%
1,2-Dichloroethane	0.106	4.36E-02	2.60E-05	**1.13E-06**	3%	1.02E-01	2.40E+00	4.24E-05	0.003%
1,3,5-Trimethylbenzene	1.12	4.60E-01				1.07E+00	6.00E-03	1.79E-01	14%
1,4-Dichlorobenzene	0.243	9.99E-02	1.10E-05	**1.10E-06**	3%	2.33E-01	8.00E-01	2.91E-04	0.02%
1,4-Dioxane (p-dioxane)	0.36	1.48E-01	7.70E-06	**1.14E-06**	3%	3.45E-01	3.00E+00	1.15E-04	0.01%
Benzene	1.47	6.04E-01	2.90E-05	**1.75E-05**	41%	1.41E+00	3.00E-02	4.70E-02	4%
Bromomethane	0.311	1.28E-01				2.98E-01	5.00E-03	5.96E-02	5%
Carbon tetrachloride	0.666	2.74E-01	4.20E-05	**1.15E-05**	27%	6.39E-01	1.90E-01	3.36E-03	0.3%
Chlorobenzene	0.052	2.14E-02				4.99E-02	5.00E-02	9.97E-04	0.08%
Chloroethane	0.075	3.08E-02				7.19E-02	1.00E+01	7.19E-06	0.0006%
Chloroform	0.272	1.12E-01	2.30E-05	**2.57E-06**	6%	2.61E-01	9.80E-02	2.66E-03	0.2%
Chloromethane	1.18	4.85E-01	1.80E-06	8.73E-07	2%	1.13E+00	9.00E-02	1.26E-02	1%
Ethylbenzene	3.5	1.44E+00	2.50E-06	**3.60E-06**	9%	3.36E+00	1.00E+00	3.36E-03	0.3%
Freon 11	1.63	6.70E-01				1.56E+00	7.00E-01	2.23E-03	0.2%
Freon 113	0.626	2.57E-01				6.00E-01	3.00E+01	2.00E-05	0.002%
Freon 12	2.6	1.07E+00				2.49E+00	2.00E-01	1.25E-02	1%
Freon 114	0.12	4.93E-02				1.15E-01	3.00E+01	3.84E-06	0.0003%
Methylene chloride	3.25	1.34E+00	1.00E-06	**1.34E-06**	3%	3.12E+00	4.00E-01	7.79E-03	0.6%
Naphthalene	0.041	1.68E-02	3.40E-05	5.73E-07	1%	3.93E-02	3.00E-03	1.31E-02	1%

Table 3-16
Risk Calculation Worksheet for 360 Center St - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Styrene	0.397	1.63E-01				3.81E-01	9.00E-01	4.23E-04	0.03%
Tetrachloroethene	0.322	1.32E-01	5.90E-06	7.81E-07	2%	3.09E-01	2.70E-01	1.14E-03	0.1%
Toluene	34	1.40E+01				3.26E+01	3.00E-01	1.09E-01	8%
Trichloroethene	0.151	6.21E-02	2.00E-06	1.24E-07	0.3%	1.45E-01	1.00E-02	1.45E-02	1%
Xylenes, m & p	12	4.93E+00				1.15E+01	7.00E-01	1.64E-02	1%
Xylenes, o	3.4	1.40E+00				3.26E+00	7.00E-01	4.66E-03	0.4%
				Total Risk:	4.2E-05			**Total HI:**	1.3E+00

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-17
Risk Calculation Worksheet for 366 Center St - Outdoor Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Outdoor Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.051	2.10E-02				4.89E-02	5.00E+00	9.78E-06	0.008%
1,1-Difluoroethane	59	2.42E+01				5.66E+01			
1,2,4-Trimethylbenzene	0.32	1.32E-01				3.07E-01	7.00E-03	4.38E-02	36%
1,2-Dichloroethane	0.11	4.52E-02	2.60E-05	**1.18E-06**	7%	1.05E-01	2.40E+00	4.39E-05	0.04%
1,3,5-Trimethylbenzene	0.11	4.52E-02				1.05E-01	6.00E-03	1.76E-02	15%
Benzene	0.42	1.73E-01	2.90E-05	**5.01E-06**	29%	4.03E-01	3.00E-02	1.34E-02	11%
Carbon tetrachloride	0.48	1.97E-01	4.20E-05	**8.28E-06**	48%	4.60E-01	1.90E-01	2.42E-03	2.0%
Chloromethane	1.2	4.93E-01	1.80E-06	8.88E-07	5%	1.15E+00	9.00E-02	1.28E-02	11%
Ethylbenzene	0.74	3.04E-01	2.50E-06	7.60E-07	4%	7.10E-01	1.00E+00	7.10E-04	0.6%
Freon 11	1.1	4.52E-01				1.05E+00	7.00E-01	1.51E-03	1.3%
Freon 113	0.52	2.14E-01				4.99E-01	3.00E+01	1.66E-05	0.01%
Freon 12	2	8.22E-01				1.92E+00	2.00E-01	9.59E-03	8.0%
Methylene chloride	0.78	3.21E-01	1.00E-06	3.21E-07	2%	7.48E-01	4.00E-01	1.87E-03	1.6%
Styrene	0.23	9.45E-02				2.21E-01	9.00E-01	2.45E-04	0.20%
Tetrachloroethene	0.26	1.07E-01	5.90E-06	6.30E-07	4%	2.49E-01	2.70E-01	9.23E-04	0.8%
Toluene	2	8.22E-01				1.92E+00	3.00E-01	6.39E-03	5.3%
Trichloroethene	0.045	1.85E-02	2.00E-06	3.70E-08	0.2%	4.32E-02	1.00E-02	4.32E-03	3.6%
Xylenes, m & p	2.5	1.03E+00				2.40E+00	7.00E-01	3.42E-03	2.8%
Xylenes, o	0.85	3.49E-01				8.15E-01	7.00E-01	1.16E-03	1.0%
			Total Risk:	1.7E-05			**Total HI:**	0.1	

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-18
Risk Calculation Worksheet for Prescott Park - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.0983	4.04E-02				9.43E-02	5.00E+00	1.89E-05	0.004%
1,1,2,2-Tetrachloroethane	0.024	9.86E-03	5.80E-05	5.72E-07	2%	2.30E-02			
1,2,4-Trimethylbenzene	0.751	3.09E-01				7.20E-01	7.00E-03	1.03E-01	23%
1,2-Dichloroethane	0.183	7.52E-02	2.60E-05	**1.96E-06**	6%	1.75E-01	2.40E+00	7.31E-05	0.02%
1,3,5-Trimethylbenzene	0.245	1.01E-01				2.35E-01	6.00E-03	3.92E-02	9%
1,4-Dioxane (p-dioxane)	0.891	3.66E-01	7.70E-06	**2.82E-06**	9%	8.54E-01	3.00E+00	2.85E-04	0.06%
Benzene	0.937	3.85E-01	2.90E-05	**1.12E-05**	34%	8.98E-01	3.00E-02	2.99E-02	7%
Bromomethane	1.12	4.60E-01				1.07E+00	5.00E-03	2.15E-01	48%
Carbon tetrachloride	0.577	2.37E-01	4.20E-05	**9.96E-06**	31%	5.53E-01	1.90E-01	2.91E-03	0.6%
Chlorobenzene	0.034	1.40E-02				3.26E-02	5.00E-02	6.52E-04	0.1%
Chloroethane	0.0833	3.42E-02				7.99E-02	1.00E+01	7.99E-06	0.002%
Chloroform	0.373	1.53E-01	2.30E-05	**3.53E-06**	11%	3.58E-01	9.80E-02	3.65E-03	1%
Chloromethane	1.2	4.93E-01	1.80E-06	8.88E-07	3%	1.15E+00	9.00E-02	1.28E-02	3%
cis-1,2-Dichloroethene	0.038	1.56E-02				3.64E-02			
Ethylbenzene	0.651	2.68E-01	2.50E-06	6.69E-07	2%	6.24E-01	1.00E+00	6.24E-04	0.14%
Freon 11	1.84	7.56E-01				1.76E+00	7.00E-01	2.52E-03	0.6%
Freon 113	0.719	2.95E-01				6.89E-01	3.00E+01	2.30E-05	0.005%
Freon 12	2.8	1.15E+00				2.68E+00	2.00E-01	1.34E-02	3%
Methyl tert-butyl ether	0.0097	3.99E-03	2.60E-07	1.04E-09	0.003%	9.30E-03	3.00E+00	3.10E-06	0.0007%
Methylene chloride	0.4	1.64E-01	1.00E-06	1.64E-07	0.5%	3.84E-01	4.00E-01	9.59E-04	0.21%
Styrene	0.231	9.49E-02				2.22E-01	9.00E-01	2.46E-04	0.05%

Table 3-18
Risk Calculation Worksheet for Prescott Park - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Tetrachloroethene	0.314	1.29E-01	5.90E-06	7.61E-07	2%	3.01E-01	2.70E-01	1.12E-03	0.2%
Toluene	3.45	1.42E+00				3.31E+00	3.00E-01	1.10E-02	2%
Trichloroethene	0.105	4.32E-02	2.00E-06	8.63E-08	0.3%	1.01E-01	1.00E-02	1.01E-02	2%
Xylenes, m & p	1.96	8.05E-01				1.88E+00	7.00E-01	2.68E-03	0.6%
Xylenes, o	0.688	2.83E-01				6.60E-01	7.00E-01	9.42E-04	0.2%
				Total Risk:	3.3E-05			**Total HI:**	4.5E-01

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-19
Risk Calculation Worksheet for Combined Background - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Combined Adult/Child Receptor									
1,1,1-Trichloroethane	0.0797	3.28E-02				7.64E-02	5.00E+00	1.53E-05	0.003%
1,1-Dichloroethane	0.011	4.52E-03	1.60E-06	7.23E-09	0.02%	1.05E-02			
1,1-Dichloroethene	0.0392	1.61E-02				3.76E-02	7.00E-02	5.37E-04	0.1%
1,2,4-Trimethylbenzene	0.639	2.63E-01				6.13E-01	7.00E-03	8.75E-02	18%
1,2-Dichloroethane	0.0535	2.20E-02	2.60E-05	5.72E-07	2%	5.13E-02	2.40E+00	2.14E-05	0.004%
1,2-Dichloropropane	0.0448	1.84E-02	1.00E-05	1.84E-07	0.6%	4.30E-02	4.00E-03	1.07E-02	2%
1,3,5-Trimethylbenzene	0.272	1.12E-01				2.61E-01	6.00E-03	4.35E-02	9%
1,4-Dichlorobenzene	0.0948	3.90E-02	1.10E-05	4.29E-07	1%	9.09E-02	8.00E-01	1.14E-04	0.02%
1,4-Dioxane (p-dioxane)	0.383	1.57E-01	7.70E-06	**1.21E-06**	4%	3.67E-01	3.00E+00	1.22E-04	0.03%
Benzene	0.8	3.29E-01	2.90E-05	**9.53E-06**	31%	7.67E-01	3.00E-02	2.56E-02	5.3%
Bromomethane	0.682	2.80E-01				6.54E-01	5.00E-03	1.31E-01	27%
Carbon tetrachloride	0.526	2.16E-01	4.20E-05	**9.08E-06**	29%	5.04E-01	1.90E-01	2.65E-03	0.6%
Chlorobenzene	0.0268	1.10E-02				2.57E-02	5.00E-02	5.14E-04	0.11%
Chloroethane	0.0484	1.99E-02				4.64E-02	1.00E+01	4.64E-06	0.001%
Chloroform	0.154	6.33E-02	2.30E-05	**1.46E-06**	5%	1.48E-01	9.80E-02	1.51E-03	0.3%
Chloromethane	1.16	4.77E-01	1.80E-06	8.58E-07	3%	1.11E+00	9.00E-02	1.24E-02	2.6%
cis-1,2-Dichloroethene	0.025	1.03E-02				2.40E-02			
cis-1,3-Dichloropropene	0.0593	2.44E-02	1.60E-05	3.90E-07	1%	5.69E-02	2.00E-02	2.84E-03	0.6%
Ethylbenzene	0.582	2.39E-01	2.50E-06	5.98E-07	2%	5.58E-01	1.00E+00	5.58E-04	0.12%
Freon 11	1.89	7.77E-01				1.81E+00	7.00E-01	2.59E-03	0.5%
Freon 113	0.674	2.77E-01				6.46E-01	3.00E+01	2.15E-05	0.004%

Table 3-19
Risk Calculation Worksheet for Combined Background - Ambient Air - Residential Exposure Scenario - Adult/Child Resident
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Exposure Scenario Information		
	Exposure Scenario:	Residential
	Scenario Timeframe:	Chronic
	Exposure Medium:	Ambient Air
	Exposure Point:	OnSite
	Receptor Population:	Adult/Child Resident
	Receptor Age:	Adult/Child

Exposure Parameter	Variable	Value	Units
Exposure Frequency	EF	350	days/yr
Exposure Time for inhalation of volatiles	ETi	24	hr/day
Exposure Duration - Adult	ED	24	yr
Exposure Duration - Child	ED	6	yr
Averaging Time for carcinogens	ATc	70	yr
Averaging Time for noncarcinogens - Adult	ATnc	24	yr
Averaging Time for noncarcinogens - Child	ATnc	6	yr
Conversion Factor 1	CF1	0.001	mg/ug

		Inhalation Cancer				Inhalation Noncancer			
Chemical of Potential Concern	RME Medium EPC Value, Cair [ug/m^3]	Exposure Concentration [ug/m^3]	Unit Risk Factor [ug/m^3]$^{-1}$	Cancer Risk [-]	Percent Contribution (%)	Exposure Concentration [ug/m^3]	Reference Concentration (RfC) [mg/m^3]	Hazard Quotient [-]	Percent Contribution (%)
Freon 114	0.12	4.93E-02				1.15E-01	3.00E+01	3.84E-06	0.0008%
Freon 12	2.56	1.05E+00				2.45E+00	2.00E-01	1.23E-02	3%
Methyl tert-butyl ether	0.23	9.45E-02	2.60E-07	2.46E-08	0.08%	2.21E-01	3.00E+00	7.35E-05	0.02%
Methylene chloride	0.233	9.58E-02	1.00E-06	9.58E-08	0.3%	2.23E-01	4.00E-01	5.59E-04	0.12%
Naphthalene	0.376	1.55E-01	3.40E-05	**5.25E-06**	17%	3.61E-01	3.00E-03	1.20E-01	25%
Styrene	0.182	7.48E-02				1.75E-01	9.00E-01	1.94E-04	0.04%
Tetrachloroethene	0.286	1.18E-01	5.90E-06	6.93E-07	2%	2.74E-01	2.70E-01	1.02E-03	0.2%
Toluene	3.31	1.36E+00				3.17E+00	3.00E-01	1.06E-02	2%
trans-1,3-Dichloropropene	0.056	2.30E-02	1.60E-05	3.68E-07	1%	5.37E-02	2.00E-02	2.68E-03	0.6%
Trichloroethene	0.089	3.66E-02	2.00E-06	7.32E-08	0.2%	8.53E-02	1.00E-02	8.53E-03	2%
Xylenes, m & p	2.5	1.03E+00				2.40E+00	7.00E-01	3.42E-03	0.7%
Xylenes, o	0.853	3.51E-01				8.18E-01	7.00E-01	1.17E-03	0.2%
			Total Risk:	3.1E-05			**Total HI:**	4.8E-01	

Notes:
RME = Reasonable maximum exposure.
EPC = Exposure point concentration.

Table 3-20
Risk Summary
Baseline Human Health Risk Assessment
AMCO Chemical Superfund Site, Oakland, California

Including
Jun-09
Data

	Crawlspace Air		Outdoor Air	
Location	**Cancer Risk**	**Noncancer HI**	**Cancer Risk**	**Noncancer HI**
Commercial/Industrial Scenario				
1414 3rd St	6E-05	0.6		
Residential Scenario				
1428 3rd St	3E-04	7	2E-04	4
1432 3rd St	6E-04	8	4E-05	0.8
1436 3rd St			1E-04	0.8
320 Center St	6E-05	0.7	6E-05	1
326 Center St	8E-05	0.5	3E-05	0.4
339 Center St			4E-05	0.7
356 Center St			5E-05	0.9
360 Center St			4E-05	1
366 Center St			2E-05	0.1
Prescott Park			3E-05	0.5
Combined Background			3E-05	0.5