Previous

TABLE F-7.3.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Ingestion	2,4-Dimethylphenol	3.80E-02	mg/kg	5.21E-08	mg/kg-day	2.00E-02	mg/kg-day	2.60E-06
				2-Methylnaphthalene	3.27E-02	mg/kg	4.48E-08	mg/kg-day	4.00E-03	mg/kg-day	1.12E-05
				4-Methyl-2-pentanone	3.42E+00	mg/kg	4.68E-06	mg/kg-day	8.00E-02	mg/kg-day	5.86E-05
				Acenaphthene	1.50E-01	mg/kg	2.06E-07	mg/kg-day	6.00E-02	mg/kg-day	3.43E-06
				Acenaphthylene	1.62E-02	mg/kg	2.22E-08	mg/kg-day	6.00E-02	mg/kg-day	3.70E-07
				Aluminum	6.87E+03	mg/kg	9.42E-03	mg/kg-day	1.00E+00	mg/kg-day	9.42E-03
				Anthracene	4.08E-01	mg/kg	5.58E-07	mg/kg-day	3.00E-01	mg/kg-day	1.86E-06
				Antimony	2.60E+00	mg/kg	3.56E-06	mg/kg-day	4.00E-04	mg/kg-day	8.90E-03
				Aroclor-1254	3.00E-02	mg/kg	4.11E-08	mg/kg-day	2.00E-05	mg/kg-day	2.05E-03
				Aroclor-1260	2.01E-01	mg/kg	2.75E-07	mg/kg-day	2.00E-05	mg/kg-day	1.37E-02
				Arsenic	2.50E+00	mg/kg	3.43E-06	mg/kg-day	3.00E-04	mg/kg-day	1.14E-02
				Barium	4.09E+01	mg/kg	5.60E-05	mg/kg-day	7.00E-02	mg/kg-day	8.01E-04
				Benzene	1.20E-03	mg/kg	1.64E-09	mg/kg-day	4.00E-03	mg/kg-day	4.11E-07
				Benzo(a)anthracene	1.63E+00	mg/kg	2.23E-06	mg/kg-day	--	--	--
				Benzo(a)pyrene	7.72E-01	mg/kg	1.06E-06	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.44E+00	mg/kg	1.98E-06	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	3.89E-07	mg/kg-day	3.00E-02	mg/kg-day	1.30E-05
				Benzo(k)fluoranthene	3.49E-01	mg/kg	4.78E-07	mg/kg-day	--	--	--
				Beryllium	2.00E+00	mg/kg	2.74E-06	mg/kg-day	2.00E-03	mg/kg-day	1.37E-03
				bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	3.85E-07	mg/kg-day	2.00E-02	mg/kg-day	1.93E-05
				Cadmium	3.74E+00	mg/kg	5.12E-06	mg/kg-day	5.00E-04	mg/kg-day	1.02E-02
				Carbazole	7.80E-01	mg/kg	1.07E-06	mg/kg-day	--	--	--
				Carbon disulfide	5.00E-03	mg/kg	6.85E-09	mg/kg-day	1.00E-01	mg/kg-day	6.85E-08
				Chlorobenzene	2.00E-03	mg/kg	2.74E-09	mg/kg-day	2.00E-02	mg/kg-day	1.37E-07
				Chloroform	2.00E-03	mg/kg	2.74E-09	mg/kg-day	1.00E-02	mg/kg-day	2.74E-07
				Chromium	3.55E+01	mg/kg	4.87E-05	mg/kg-day	1.50E+00	mg/kg-day	3.24E-05
				Chrysene	1.37E+00	mg/kg	1.87E-06	mg/kg-day	--	--	--
				Cobalt	7.70E+00	mg/kg	1.06E-05	mg/kg-day	2.00E-02	mg/kg-day	5.28E-04
				Copper	1.90E+01	mg/kg	2.60E-05	mg/kg-day	4.00E-02	mg/kg-day	6.51E-04
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	1.42E-07	mg/kg-day	--	--	--
				Dibenzofuran	1.70E-01	mg/kg	2.33E-07	mg/kg-day	2.00E-03	mg/kg-day	1.16E-04
				di-n-Butylphthalate	9.20E-02	mg/kg	1.26E-07	mg/kg-day	1.00E-01	mg/kg-day	1.26E-06
				Fluoranthene	4.84E+00	mg/kg	6.63E-06	mg/kg-day	4.00E-02	mg/kg-day	1.66E-04
				Fluorene	1.90E-01	mg/kg	2.61E-07	mg/kg-day	4.00E-02	mg/kg-day	6.52E-06
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	3.29E-07	mg/kg-day	--	--	--
				Iron	1.24E+04	mg/kg	1.70E-02	mg/kg-day	3.00E-01	mg/kg-day	5.67E-02
				Lead	2.91E+01	mg/kg	3.99E-05	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	2.70E-04	mg/kg-day	2.40E-02	mg/kg-day	1.13E-02
				Mercury	6.30E-01	mg/kg	8.63E-07	mg/kg-day	3.00E-04	mg/kg-day	2.88E-03
				Methylene chloride	2.50E-02	mg/kg	3.42E-08	mg/kg-day	6.00E-02	mg/kg-day	5.71E-07
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	9.86E-08	mg/kg-day	8.60E-01	mg/kg-day	1.15E-07

TABLE F-7.3.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Ingestion (continued)	Molybdenum	8.70E-01	mg/kg	1.19E-06	mg/kg-day	5.00E-03	mg/kg-day	2.38E-04
				Naphthalene	4.32E-02	mg/kg	5.91E-08	mg/kg-day	2.00E-02	mg/kg-day	2.96E-06
				Nickel	3.99E+01	mg/kg	5.47E-05	mg/kg-day	2.00E-02	mg/kg-day	2.74E-03
				Phenanthrene	1.91E+00	mg/kg	2.62E-06	mg/kg-day	3.00E-01	mg/kg-day	8.74E-06
				Pyrene	2.22E+00	mg/kg	3.04E-06	mg/kg-day	3.00E-02	mg/kg-day	1.01E-04
				Selenium	2.88E-01	mg/kg	3.95E-07	mg/kg-day	5.00E-03	mg/kg-day	7.90E-05
				Silver	1.80E+00	mg/kg	2.47E-06	mg/kg-day	5.00E-03	mg/kg-day	4.93E-04
				Thallium	4.68E-01	mg/kg	6.42E-07	mg/kg-day	6.60E-05	mg/kg-day	9.72E-03
				Vanadium	2.70E+01	mg/kg	3.70E-05	mg/kg-day	7.00E-03	mg/kg-day	5.28E-03
				Xylene (Total)	2.00E-03	mg/kg	2.74E-09	mg/kg-day	2.00E-01	mg/kg-day	1.37E-08
				Zinc	4.30E+01	mg/kg	5.89E-05	mg/kg-day	3.00E-01	mg/kg-day	1.96E-04
			Exposure Route Total								**1.49E-01**
			Dermal	2,4-Dimethylphenol	3.80E-02	mg/kg	2.1E-09	mg/kg-day	2.00E-02	mg/kg-day	1.04E-07
				2-Methylnaphthalene	3.27E-02	mg/kg	1.8E-09	mg/kg-day	4.00E-03	mg/kg-day	4.47E-07
				4-Methyl-2-pentanone	3.42E+00	mg/kg	1.9E-07	mg/kg-day	8.00E-02	mg/kg-day	2.34E-06
				Acenaphthene	1.50E-01	mg/kg	1.1E-07	mg/kg-day	6.00E-02	mg/kg-day	1.78E-06
				Acenaphthylene	1.62E-02	mg/kg	8.9E-10	mg/kg-day	6.00E-02	mg/kg-day	1.48E-08
				Aluminum	6.87E+03	mg/kg	3.8E-05	mg/kg-day	1.00E+00	mg/kg-day	3.76E-05
				Anthracene	4.08E-01	mg/kg	2.9E-07	mg/kg-day	3.00E-01	mg/kg-day	9.65E-07
				Antimony	2.60E+00	mg/kg	1.4E-08	mg/kg-day	4.00E-04	mg/kg-day	3.55E-05
				Aroclor-1254	3.00E-02	mg/kg	2.3E-08	mg/kg-day	2.00E-05	mg/kg-day	1.15E-03
				Aroclor-1260	2.01E-01	mg/kg	1.5E-07	mg/kg-day	2.00E-05	mg/kg-day	7.68E-03
				Arsenic	2.50E+00	mg/kg	4.1E-07	mg/kg-day	3.00E-04	mg/kg-day	1.37E-03
				Barium	4.09E+01	mg/kg	2.2E-07	mg/kg-day	4.90E-03	mg/kg-day	4.56E-05
				Benzene	1.20E-03	mg/kg	6.6E-11	mg/kg-day	4.00E-03	mg/kg-day	1.64E-08
				Benzo(a)anthracene	1.63E+00	mg/kg	1.2E-06	mg/kg-day	--	--	--
				Benzo(a)pyrene	7.72E-01	mg/kg	5.5E-07	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.44E+00	mg/kg	1.0E-06	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	2.0E-07	mg/kg-day	3.00E-02	mg/kg-day	6.72E-06
				Benzo(k)fluoranthene	3.49E-01	mg/kg	2.5E-07	mg/kg-day	--	--	--
				Beryllium	2.00E+00	mg/kg	1.1E-08	mg/kg-day	1.40E-05	mg/kg-day	7.81E-04
				bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	1.5E-08	mg/kg-day	2.00E-02	mg/kg-day	7.69E-07
				Cadmium	3.74E+00	mg/kg	2.0E-08	mg/kg-day	5.00E-04	mg/kg-day	4.08E-05
				Carbazole	7.80E-01	mg/kg	4.3E-08	mg/kg-day	--	--	--
				Carbon disulfide	5.00E-03	mg/kg	6.8E-09	mg/kg-day	1.00E-01	mg/kg-day	6.83E-08
				Chlorobenzene	2.00E-03	mg/kg	1.1E-10	mg/kg-day	2.00E-02	mg/kg-day	5.47E-09
				Chloroform	2.00E-03	mg/kg	1.1E-10	mg/kg-day	1.00E-02	mg/kg-day	1.09E-08
				Chromium	3.55E+01	mg/kg	1.9E-07	mg/kg-day	1.50E+00	mg/kg-day	1.29E-07
				Chrysene	1.37E+00	mg/kg	9.7E-07	mg/kg-day	--	--	--
				Cobalt	7.70E+00	mg/kg	4.2E-08	mg/kg-day	2.00E-02	mg/kg-day	2.10E-06
				Copper	1.90E+01	mg/kg	1.0E-07	mg/kg-day	4.00E-02	mg/kg-day	2.60E-06
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	7.4E-08	mg/kg-day	--	--	--

TABLE F-7.3.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Dermal (continued)	Dibenzofuran	1.70E-01	mg/kg	9.3E-09	mg/kg-day	2.00E-03	mg/kg-day	4.65E-06
				di-n-Butylphthalate	9.20E-02	mg/kg	5.0E-09	mg/kg-day	1.00E+01	mg/kg-day	5.03E-10
				Fluoranthene	4.84E+00	mg/kg	3.4E-06	mg/kg-day	4.00E-02	mg/kg-day	8.60E-05
				Fluorene	1.90E-01	mg/kg	1.4E-07	mg/kg-day	4.00E-02	mg/kg-day	3.38E-06
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	1.7E-07	mg/kg-day	--	--	--
				Iron	1.24E+04	mg/kg	6.8E-05	mg/kg-day	3.00E-01	mg/kg-day	2.26E-04
				Lead	2.91E+01	mg/kg	1.6E-07	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	1.1E-06	mg/kg-day	2.40E-02	mg/kg-day	4.50E-05
				Mercury	6.30E-01	mg/kg	--	mg/kg-day	2.10E-05	mg/kg-day	--
				Methylene chloride	2.50E-02	mg/kg	1.4E-09	mg/kg-day	6.00E-02	mg/kg-day	2.28E-08
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	3.9E-09	mg/kg-day	8.60E-01	mg/kg-day	4.58E-09
				Molybdenum	8.70E-01	mg/kg	4.8E-09	mg/kg-day	5.00E-03	mg/kg-day	9.51E-07
				Naphthalene	4.32E-02	mg/kg	3.1E-08	mg/kg-day	2.00E-02	mg/kg-day	1.53E-06
				Nickel	3.99E+01	mg/kg	2.2E-07	mg/kg-day	8.00E-04	mg/kg-day	2.73E-04
				Phenanthrene	1.91E+00	mg/kg	1.0E-07	mg/kg-day	3.00E-01	mg/kg-day	3.49E-07
				Pyrene	2.22E+00	mg/kg	1.6E-06	mg/kg-day	3.00E-02	mg/kg-day	5.26E-05
				Selenium	2.88E-01	mg/kg	1.6E-09	mg/kg-day	1.50E-03	mg/kg-day	1.05E-06
				Silver	1.80E+00	mg/kg	9.8E-09	mg/kg-day	2.00E-04	mg/kg-day	4.92E-05
				Thallium	4.68E-01	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Vanadium	2.70E+01	mg/kg	1.5E-07	mg/kg-day	1.82E-04	mg/kg-day	8.10E-04
				Xylene (Total)	2.00E-03	mg/kg	1.1E-10	mg/kg-day	2.00E-01	mg/kg-day	5.47E-10
				Zinc	4.30E+01	mg/kg	2.3E-07	mg/kg-day	3.00E-01	mg/kg-day	7.83E-07
			Exp. Route Total								**1.27E-02**
		Exposure Point Total									**1.62E-01**
		Homegrown Produce	Ingestion	2,4-Dimethylphenol	3.80E-02	mg/kg	2.1E-06	mg/kg-day	2.00E-02	mg/kg-day	1.05E-04
				2-Methylnaphthalene	3.27E-02	mg/kg	--	mg/kg-day	4.00E-03	mg/kg-day	--
				4-Methyl-2-pentanone	3.42E+00	mg/kg	--	mg/kg-day	8.00E-02	mg/kg-day	--
				Acenaphthene	1.50E-01	mg/kg	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Acenaphthylene	1.62E-02	mg/kg	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Aluminum	6.87E+03	mg/kg	--	mg/kg-day	1.00E+00	mg/kg-day	--
				Anthracene	4.08E-01	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Antimony	2.60E+00	mg/kg	--	mg/kg-day	4.00E-04	mg/kg-day	--
				Aroclor-1254	3.00E-02	mg/kg	5.8E-09	mg/kg-day	2.00E-05	mg/kg-day	2.89E-04
				Aroclor-1260	2.01E-01	mg/kg	1.6E-08	mg/kg-day	2.00E-05	mg/kg-day	8.08E-04
				Arsenic	2.50E+00	mg/kg	1.3E-05	mg/kg-day	3.00E-04	mg/kg-day	4.23E-02
				Barium	4.09E+01	mg/kg	--	mg/kg-day	7.00E-02	mg/kg-day	--
				Benzene	1.20E-03	mg/kg	--	mg/kg-day	4.00E-03	mg/kg-day	--
				Benzo(a)anthracene	1.63E+00	mg/kg	1.3E-07	mg/kg-day	--	--	--
				Benzo(a)pyrene	7.72E-01	mg/kg	4.2E-08	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.44E+00	mg/kg	9.3E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	--	mg/kg-day	3.00E-02	mg/kg-day	--
				Benzo(k)fluoranthene	3.49E-01	mg/kg	1.9E-08	mg/kg-day	--	--	--

TABLE F-7.3.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Homegrown Produce (continued)	Ingestion (continued)	Beryllium	2.00E+00	mg/kg	--	mg/kg-day	2.00E-03	mg/kg-day	--
				bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	2.1E-10	mg/kg-day	2.00E-02	mg/kg-day	1.05E-08
				Cadmium	3.74E+00	mg/kg	2.4E-04	mg/kg-day	5.00E-04	mg/kg-day	4.79E-01
				Carbazole	7.80E-01	mg/kg	2.3E-05	mg/kg-day	--	--	--
				Carbon disulfide	5.00E-03	mg/kg	--	mg/kg-day	1.00E-01	mg/kg-day	--
				Chlorobenzene	2.00E-03	mg/kg	--	mg/kg-day	2.00E-02	mg/kg-day	--
				Chloroform	2.00E-03	mg/kg	--	mg/kg-day	1.00E-02	mg/kg-day	--
				Chromium	3.55E+01	mg/kg	--	mg/kg-day	1.50E+00	mg/kg-day	--
				Chrysene	1.37E+00	mg/kg	1.1E-07	mg/kg-day	--	--	--
				Cobalt	7.70E+00	mg/kg	--	mg/kg-day	2.00E-02	mg/kg-day	--
				Copper	1.90E+01	mg/kg	--	mg/kg-day	4.00E-02	mg/kg-day	--
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	3.7E-09	mg/kg-day	--	--	--
				Dibenzofuran	1.70E-01	mg/kg	--	mg/kg-day	2.00E-03	mg/kg-day	--
				di-n-Butylphthalate	9.20E-02	mg/kg	1.5E-08	mg/kg-day	1.00E-01	mg/kg-day	1.52E-07
				Fluoranthene	4.84E+00	mg/kg	4.3E-07	mg/kg-day	4.00E-02	mg/kg-day	1.07E-05
				Fluorene	1.90E-01	mg/kg	--	mg/kg-day	4.00E-02	mg/kg-day	--
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	1.1E-08	mg/kg-day	--	--	--
				Iron	1.24E+04	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Lead	2.91E+01	mg/kg	--	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	--	mg/kg-day	2.40E-02	mg/kg-day	--
				Mercury	6.30E-01	mg/kg	4.9E-06	mg/kg-day	3.00E-04	mg/kg-day	1.64E-02
				Methylene chloride	2.50E-02	mg/kg	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	--	mg/kg-day	8.60E-01	mg/kg-day	--
				Molybdenum	8.70E-01	mg/kg	--	mg/kg-day	5.00E-03	mg/kg-day	--
				Naphthalene	4.32E-02	mg/kg	--	mg/kg-day	2.00E-02	mg/kg-day	--
				Nickel	3.99E+01	mg/kg	3.3E-04	mg/kg-day	2.00E-02	mg/kg-day	1.65E-02
				Phenanthrene	1.91E+00	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Pyrene	2.22E+00	mg/kg	--	mg/kg-day	3.00E-02	mg/kg-day	--
				Selenium	2.88E-01	mg/kg	2.3E-06	mg/kg-day	5.00E-03	mg/kg-day	4.70E-04
				Silver	1.80E+00	mg/kg	--	mg/kg-day	5.00E-03	mg/kg-day	--
				Thallium	4.68E-01	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Vanadium	2.70E+01	mg/kg	--	mg/kg-day	7.00E-03	mg/kg-day	--
				Xylene (Total)	2.00E-03	mg/kg	--	mg/kg-day	2.00E-01	mg/kg-day	--
				Zinc	4.30E+01	mg/kg	1.4E-03	mg/kg-day	3.00E-01	mg/kg-day	4.74E-03
			Exp. Route Total								**5.61E-01**
		Exposure Point Total									**5.61E-01**
	Exposure Medium Total										**7.23E-01**
	Air	Outdoor Air	Inhalation (particulates or VOCs)	2,4-Dimethylphenol	2.88E-11	mg/m^3	7.9E-12	mg/kg-day	2.00E-02	mg/kg-day	3.93E-10
				2-Methylnaphthalene	2.31E-07	mg/m^3	6.3E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.37E-04	mg/m^3	3.7E-05	mg/kg-day	8.60E-01	mg/kg-day	4.34E-05
				Acenaphthene	8.34E-07	mg/m^3	2.3E-07	mg/kg-day	6.00E-02	mg/kg-day	3.79E-06
				Acenaphthylene	9.01E-08	mg/m^3	2.5E-08	mg/kg-day	6.00E-02	mg/kg-day	4.10E-07

TABLE F-7.3.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Air (continued)	Outdoor Air (continued)	Inhalation (particulates or VOCs) (continued)	Aluminum	5.21E-06	mg/m^3	1.4E-06	mg/kg-day	1.43E-03	mg/kg-day	9.94E-04
				Anthracene	5.82E-07	mg/m^3	1.6E-07	mg/kg-day	3.00E-01	mg/kg-day	5.30E-07
				Antimony	1.97E-09	mg/m^3	5.4E-10	mg/kg-day	--	--	--
				Aroclor-1254	2.27E-11	mg/m^3	6.2E-12	mg/kg-day	2.00E-05	mg/kg-day	3.10E-07
				Aroclor-1260	1.52E-10	mg/m^3	4.1E-11	mg/kg-day	2.00E-05	mg/kg-day	2.07E-06
				Arsenic	1.90E-09	mg/m^3	5.2E-10	mg/kg-day	--	mg/kg-day	--
				Barium	3.10E-08	mg/m^3	8.5E-09	mg/kg-day	1.40E-04	mg/kg-day	6.04E-05
				Benzene	4.44E-07	mg/m^3	1.2E-07	mg/kg-day	8.57E-03	mg/kg-day	1.41E-05
				Benzo(a)anthracene	1.24E-09	mg/m^3	3.4E-10	mg/kg-day	--	--	--
				Benzo(a)pyrene	5.85E-10	mg/m^3	1.6E-10	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.09E-09	mg/m^3	3.0E-10	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.15E-10	mg/m^3	5.9E-11	mg/kg-day	3.00E-02	mg/kg-day	1.95E-09
				Benzo(k)fluoranthene	2.64E-10	mg/m^3	7.2E-11	mg/kg-day	--	--	--
				Beryllium	1.52E-09	mg/m^3	4.1E-10	mg/kg-day	5.71E-06	mg/kg-day	7.24E-05
				bis(2-ethylhexyl)phthalate	2.13E-10	mg/m^3	5.8E-11	mg/kg-day	2.20E-02	mg/kg-day	2.64E-09
				Cadmium	2.83E-09	mg/m^3	7.7E-10	mg/kg-day	--	mg/kg-day	--
				Carbazole	5.91E-10	mg/m^3	1.6E-10	mg/kg-day	--	--	--
				Carbon disulfide	4.17E-06	mg/m^3	1.1E-06	mg/kg-day	2.00E-01	mg/kg-day	5.68E-06
				Chlorobenzene	3.17E-07	mg/m^3	8.7E-08	mg/kg-day	1.71E-02	mg/kg-day	5.05E-06
				Chloroform	7.41E-07	mg/m^3	2.0E-07	mg/kg-day	1.40E-04	mg/kg-day	1.44E-03
				Chromium	2.69E-08	mg/m^3	7.3E-09	mg/kg-day	--	--	--
				Chrysene	1.04E-09	mg/m^3	2.8E-10	mg/kg-day	--	--	--
				Cobalt	5.84E-09	mg/m^3	1.6E-09	mg/kg-day	5.71E-06	mg/kg-day	2.79E-04
				Copper	1.44E-08	mg/m^3	3.9E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	7.85E-11	mg/m^3	2.1E-11	mg/kg-day	--	--	--
				Dibenzofuran	2.62E-07	mg/m^3	7.1E-08	mg/kg-day	2.00E-03	mg/kg-day	3.57E-05
				di-n-Butylphthalate	6.97E-11	mg/m^3	1.9E-11	mg/kg-day	--	--	--
				Fluoranthene	3.67E-09	mg/m^3	1.0E-09	mg/kg-day	4.00E-02	mg/kg-day	2.50E-08
				Fluorene	5.29E-07	mg/m^3	1.4E-07	mg/kg-day	4.00E-02	mg/kg-day	3.61E-06
				Indeno(1,2,3-cd)pyrene	1.82E-10	mg/m^3	5.0E-11	mg/kg-day	--	--	--
				Iron	9.41E-06	mg/m^3	2.6E-06	mg/kg-day	--	--	--
				Lead	2.21E-08	mg/m^3	6.0E-09	mg/kg-day	--	--	--
				Manganese	1.50E-07	mg/m^3	4.1E-08	mg/kg-day	1.43E-05	mg/kg-day	2.86E-03
				Mercury	4.77E-10	mg/m^3	1.3E-10	mg/kg-day	--	mg/kg-day	--
				Methylene chloride	1.00E-05	mg/m^3	2.7E-06	mg/kg-day	8.57E-01	mg/kg-day	3.20E-06
				Methyl-T-Butyl-Ether	1.53E-05	mg/m^3	4.2E-06	mg/kg-day	8.57E-01	mg/kg-day	4.88E-06
				Molybdenum	6.59E-10	mg/m^3	1.8E-10	mg/kg-day	--	--	--
				Naphthalene	1.00E-06	mg/m^3	2.7E-07	mg/kg-day	8.57E-04	mg/kg-day	3.20E-04
				Nickel	3.03E-08	mg/m^3	8.3E-09	mg/kg-day	5.71E-05	mg/kg-day	1.44E-04
				Phenanthrene	1.28E-06	mg/m^3	3.5E-07	mg/kg-day	3.00E-01	mg/kg-day	1.16E-06
				Pyrene	5.85E-07	mg/m^3	1.6E-07	mg/kg-day	3.00E-02	mg/kg-day	5.32E-06
				Selenium	2.19E-10	mg/m^3	6.0E-11	mg/kg-day	--	mg/kg-day	--

TABLE F-7.3.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Air (continued)	Outdoor Air (continued)	Inhalation (particulates or VOCs) (continued)	Silver	1.36E-09	mg/m^3	3.7E-10	mg/kg-day	--	--	--
				Thallium	3.55E-10	mg/m^3	9.7E-11	mg/kg-day	--	--	--
				Vanadium	2.04E-08	mg/m^3	5.6E-09	mg/kg-day	--	--	--
				Xylene (Total)	3.28E-07	mg/m^3	8.9E-08	mg/kg-day	2.86E-02	mg/kg-day	3.13E-06
				Zinc	3.26E-08	mg/m^3	8.9E-09	mg/kg-day	--	mg/kg-day	--
			Exposure Route Total								**6.30E-03**
		Exposure Point Total									**6.30E-03**
	Exposure Medium Total										**6.30E-03**
Medium Total											**7.29E-01**
Groundwater	Groundwater	Domestic Use of Groundwater	Ingestion	1,1,1-Trichloroethane	2.23E-02	mg/L	6.11E-04	mg/kg-day	2.80E-01	mg/kg-day	2.18E-03
				1,1,2-Trichloroethane	1.06E-02	mg/L	2.90E-04	mg/kg-day	4.00E-03	mg/kg-day	7.24E-02
				1,1-Dichlorethane	1.08E-01	mg/L	2.96E-03	mg/kg-day	1.00E-01	mg/kg-day	2.96E-02
				1,1-Dichlorethene	5.89E-01	mg/L	1.61E-02	mg/kg-day	5.00E-02	mg/kg-day	3.23E-01
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	3.10E-04	mg/kg-day	5.00E-02	mg/kg-day	6.20E-03
				1,2-Dichlorobenzene	1.34E-02	mg/L	3.66E-04	mg/kg-day	9.00E-02	mg/kg-day	4.07E-03
				1,2-Dichlorethane	1.25E-02	mg/L	3.42E-04	mg/kg-day	2.00E-02	mg/kg-day	1.71E-02
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	8.04E-03	mg/kg-day	1.00E-02	mg/kg-day	8.04E-01
				1,2-Dichloropropane	1.00E-04	mg/L	2.74E-06	mg/kg-day	1.10E-03	mg/kg-day	2.49E-03
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	2.91E-04	mg/kg-day	5.00E-02	mg/kg-day	5.82E-03
				1,3-Dichlorobenzene	4.50E-03	mg/L	1.23E-04	mg/kg-day	9.00E-04	mg/kg-day	1.37E-01
				1,4-Dichlorobenzene	6.42E-03	mg/L	1.76E-04	mg/kg-day	3.00E-02	mg/kg-day	5.86E-03
				2-Butanone	7.10E-02	mg/L	1.95E-03	mg/kg-day	6.00E-01	mg/kg-day	3.24E-03
				2-Hexanone	2.00E-03	mg/L	5.48E-05	mg/kg-day	8.00E-02	mg/kg-day	6.85E-04
				2-Methylnaphthalene	7.00E-04	mg/L	1.92E-05	mg/kg-day	4.00E-03	mg/kg-day	4.79E-03
				4-Methyl-2-pentanone	2.90E-02	mg/L	7.95E-04	mg/kg-day	8.00E-02	mg/kg-day	9.93E-03
				Acenaphthene	2.00E-03	mg/L	5.48E-05	mg/kg-day	6.00E-02	mg/kg-day	9.13E-04
				Acenaphthylene	2.00E-03	mg/L	5.48E-05	mg/kg-day	6.00E-02	mg/kg-day	9.13E-04
				Acetone	1.65E+00	mg/L	4.53E-02	mg/kg-day	9.00E-01	mg/kg-day	5.03E-02
				Aluminum	9.88E-01	mg/L	2.71E-02	mg/kg-day	1.00E+00	mg/kg-day	2.71E-02
				Antimony	1.43E-02	mg/L	3.91E-04	mg/kg-day	4.00E-04	mg/kg-day	9.79E-01
				Arsenic	1.98E-02	mg/L	5.43E-04	mg/kg-day	3.00E-04	mg/kg-day	1.81E+00
				Barium	2.70E-01	mg/L	7.39E-03	mg/kg-day	7.00E-02	mg/kg-day	1.06E-01
				Benzene	1.59E-02	mg/L	4.35E-04	mg/kg-day	4.00E-03	mg/kg-day	1.09E-01
				Benzo(a)anthracene	1.00E-04	mg/L	2.74E-06	mg/kg-day	--	--	--
				Benzo(a)pyrene	1.00E-04	mg/L	2.74E-06	mg/kg-day	--	--	--
				Beryllium	1.41E-03	mg/L	3.87E-05	mg/kg-day	2.00E-03	mg/kg-day	1.94E-02
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	1.94E-04	mg/kg-day	2.00E-02	mg/kg-day	9.72E-03
				Bromodichloromethane	7.10E-03	mg/L	1.95E-04	mg/kg-day	2.00E-02	mg/kg-day	9.73E-03
				Cadmium	1.60E-02	mg/L	4.39E-04	mg/kg-day	5.00E-04	mg/kg-day	8.78E-01
				Carbon disulfide	7.53E-03	mg/L	2.06E-04	mg/kg-day	1.00E-01	mg/kg-day	2.06E-03
				Chlorobenzene	6.07E-03	mg/L	1.66E-04	mg/kg-day	2.00E-02	mg/kg-day	8.32E-03
				Chloroethane	1.23E-02	mg/L	3.38E-04	mg/kg-day	4.00E-01	mg/kg-day	8.46E-04

TABLE F-7.3.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Ingestion (continued)	Chloroform	7.44E-03	mg/L	2.04E-04	mg/kg-day	1.00E-02	mg/kg-day	2.04E-02
				Chloromethane	7.26E-03	mg/L	1.99E-04	mg/kg-day	2.60E-02	mg/kg-day	7.65E-03
				Chromium	1.52E-01	mg/L	4.16E-03	mg/kg-day	1.50E+00	mg/kg-day	2.78E-03
				Chromium (VI)	4.72E-01	mg/L	1.29E-02	mg/kg-day	3.00E-03	mg/kg-day	4.31E+00
				cis-1,2-Dichloroethene	5.55E-02	mg/L	1.52E-03	mg/kg-day	1.00E-02	mg/kg-day	1.52E-01
				Cobalt	1.51E-02	mg/L	4.14E-04	mg/kg-day	2.00E-02	mg/kg-day	2.07E-02
				Copper	1.24E-02	mg/L	3.39E-04	mg/kg-day	4.00E-02	mg/kg-day	8.48E-03
				Cyanide	6.60E-02	mg/L	1.81E-03	mg/kg-day	2.00E-02	mg/kg-day	9.04E-02
				Ethylbenzene	7.18E-03	mg/L	1.97E-04	mg/kg-day	1.00E-01	mg/kg-day	1.97E-03
				Fluoranthene	1.80E-03	mg/L	4.93E-05	mg/kg-day	4.00E-02	mg/kg-day	1.23E-03
				Fluorene	1.00E-03	mg/L	2.74E-05	mg/kg-day	4.00E-02	mg/kg-day	6.85E-04
				Hexachlorobutadiene	4.00E-04	mg/L	1.10E-05	mg/kg-day	3.00E-04	mg/kg-day	3.65E-02
				Iron	1.70E+01	mg/L	4.65E-01	mg/kg-day	3.00E-01	mg/kg-day	1.55E+00
				Isopropylbenzene	5.50E-03	mg/L	1.51E-04	mg/kg-day	1.00E-01	mg/kg-day	1.51E-03
				Lead	7.38E-03	mg/L	2.02E-04	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	3.63E-04	mg/kg-day	2.00E-01	mg/kg-day	1.81E-03
				Manganese	9.91E+00	mg/L	2.71E-01	mg/kg-day	2.40E-02	mg/kg-day	1.13E+01
				Mercury	4.40E-05	mg/L	1.21E-06	mg/kg-day	3.00E-04	mg/kg-day	4.02E-03
				Methylene chloride	9.90E-03	mg/L	2.71E-04	mg/kg-day	6.00E-02	mg/kg-day	4.52E-03
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	1.91E-04	mg/kg-day	8.60E-01	mg/kg-day	2.22E-04
				Molybdenum	7.50E-02	mg/L	2.05E-03	mg/kg-day	5.00E-03	mg/kg-day	4.11E-01
				Naphthalene	3.35E-02	mg/L	9.17E-04	mg/kg-day	2.00E-02	mg/kg-day	4.59E-02
				n-Butylbenzene	2.40E-03	mg/L	6.58E-05	mg/kg-day	4.00E-02	mg/kg-day	1.64E-03
				Nickel	1.83E-01	mg/L	5.01E-03	mg/kg-day	2.00E-02	mg/kg-day	2.50E-01
				n-Propylbenzene	1.22E-02	mg/L	3.35E-04	mg/kg-day	--	mg/kg-day	--
				o-Xylene	6.86E-03	mg/L	1.88E-04	mg/kg-day	2.00E-01	mg/kg-day	9.40E-04
				Phenanthrene	2.00E-03	mg/L	5.48E-05	mg/kg-day	3.00E-01	mg/kg-day	1.83E-04
				Phenol	6.60E-03	mg/L	1.81E-04	mg/kg-day	3.00E-01	mg/kg-day	6.02E-04
				p-Isopropyltoluene	8.00E-04	mg/L	2.19E-05	mg/kg-day	--	mg/kg-day	--
				Pyrene	3.00E-03	mg/L	8.22E-05	mg/kg-day	3.00E-02	mg/kg-day	2.74E-03
				sec-Butylbenzene	5.00E-04	mg/L	1.37E-05	mg/kg-day	4.00E-02	mg/kg-day	3.42E-04
				Selenium	1.08E-02	mg/L	2.96E-04	mg/kg-day	5.00E-03	mg/kg-day	5.92E-02
				Silver	5.48E-03	mg/L	1.50E-04	mg/kg-day	5.00E-03	mg/kg-day	3.00E-02
				Tert-Butanol	4.21E-01	mg/L	1.15E-02	mg/kg-day	--	mg/kg-day	--
				tert-Butylbenzene	3.00E-04	mg/L	8.22E-06	mg/kg-day	4.00E-02	mg/kg-day	2.05E-04
				Tetrachloroethene	5.84E-03	mg/L	1.60E-04	mg/kg-day	1.00E-02	mg/kg-day	1.60E-02
				Thallium	8.12E-03	mg/L	2.22E-04	mg/kg-day	6.60E-05	mg/kg-day	3.37E+00
				Toluene	6.35E-03	mg/L	1.74E-04	mg/kg-day	2.00E-01	mg/kg-day	8.70E-04
				trans-1,2-Dichloroethene	1.16E-02	mg/L	3.18E-04	mg/kg-day	2.00E-02	mg/kg-day	1.59E-02
				Trichloroethene	1.00E+00	mg/L	2.74E-02	mg/kg-day	3.00E-04	mg/kg-day	9.14E+01
				Vanadium	2.85E-02	mg/L	7.82E-04	mg/kg-day	7.00E-03	mg/kg-day	1.12E-01

TABLE F-7.3.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Ingestion (continued)	Vinyl chloride	2.54E-02	mg/L	6.95E-04	mg/kg-day	3.00E-03	mg/kg-day	2.32E-01
				Xylene (Total)	1.75E-02	mg/L	4.79E-04	mg/kg-day	2.00E-01	mg/kg-day	2.40E-03
				Zinc	1.50E-01	mg/L	4.10E-03	mg/kg-day	3.00E-01	mg/kg-day	1.37E-02
			Exp. Route Total								**1.19E+02**
			Dermal (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/L	5.46E-05	mg/kg-day	2.80E-01	mg/kg-day	1.95E-04
				1,1,2-Trichloroethane	1.06E-02	mg/L	9.72E-06	mg/kg-day	4.00E-03	mg/kg-day	2.43E-03
				1,1-Dichlorethane	1.08E-01	mg/L	1.37E-04	mg/kg-day	1.00E-01	mg/kg-day	1.37E-03
				1,1-Dichlorethene	5.89E-01	mg/L	1.34E-03	mg/kg-day	5.00E-02	mg/kg-day	2.68E-02
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	1.53E-04	mg/kg-day	5.00E-02	mg/kg-day	3.05E-03
				1,2-Dichlorobenzene	1.34E-02	mg/L	1.26E-04	mg/kg-day	9.00E-02	mg/kg-day	1.40E-03
				1,2-Dichlorethane	1.25E-02	mg/L	9.53E-06	mg/kg-day	2.00E-02	mg/kg-day	4.77E-04
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	6.26E-04	mg/kg-day	1.00E-02	mg/kg-day	6.26E-02
				1,2-Dichloropropane	1.00E-04	mg/L	1.42E-07	mg/kg-day	1.10E-03	mg/kg-day	1.29E-04
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	1.43E-04	mg/kg-day	5.00E-02	mg/kg-day	2.87E-03
				1,3-Dichlorobenzene	4.50E-03	mg/L	4.99E-05	mg/kg-day	9.00E-04	mg/kg-day	5.54E-02
				1,4-Dichlorobenzene	6.42E-03	mg/L	5.69E-05	mg/kg-day	3.00E-02	mg/kg-day	1.90E-03
				2-Butanone	7.10E-02	mg/L	1.13E-05	mg/kg-day	6.00E-01	mg/kg-day	1.88E-05
				2-Hexanone	2.00E-03	mg/L	1.27E-06	mg/kg-day	8.00E-02	mg/kg-day	1.59E-05
				2-Methylnaphthalene	7.00E-04	mg/L	1.42E-05	mg/kg-day	4.00E-03	mg/kg-day	3.55E-03
				4-Methyl-2-pentanone	2.90E-02	mg/L	1.65E-05	mg/kg-day	8.00E-02	mg/kg-day	2.06E-04
				Acenaphthene	2.00E-03	mg/L	3.80E-05	mg/kg-day	6.00E-02	mg/kg-day	6.34E-04
				Acenaphthylene	2.00E-03	mg/L	4.03E-05	mg/kg-day	6.00E-02	mg/kg-day	6.72E-04
				Acetone	1.65E+00	mg/L	1.35E-04	mg/kg-day	9.00E-01	mg/kg-day	1.50E-04
				Aluminum	9.88E-01	mg/L	3.02E-04	mg/kg-day	1.00E+00	mg/kg-day	3.02E-04
				Antimony	1.43E-02	mg/L	2.23E-06	mg/kg-day	4.00E-04	mg/kg-day	5.57E-03
				Arsenic	1.98E-02	mg/L	5.47E-06	mg/kg-day	3.00E-04	mg/kg-day	1.82E-02
				Barium	2.70E-01	mg/L	1.55E-05	mg/kg-day	4.90E-03	mg/kg-day	3.17E-03
				Benzene	1.59E-02	mg/L	4.71E-05	mg/kg-day	4.00E-03	mg/kg-day	1.18E-02
				Benzo(a)anthracene	1.00E-04	mg/L	1.36E-05	mg/kg-day	--	--	--
				Benzo(a)pyrene	1.00E-04	mg/L	1.77E-05	mg/kg-day	--	--	--
				Beryllium	1.41E-03	mg/L	1.33E-07	mg/kg-day	1.40E-05	mg/kg-day	9.53E-03
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	2.00E-03	mg/kg-day	2.00E-02	mg/kg-day	9.99E-02
				Bromodichloromethane	7.10E-03	mg/L	5.10E-06	mg/kg-day	2.00E-02	mg/kg-day	2.55E-04
				Cadmium	1.60E-02	mg/L	8.02E-07	mg/kg-day	5.00E-04	mg/kg-day	1.60E-03
				Carbon disulfide	7.53E-03	mg/L	1.68E-05	mg/kg-day	1.00E-01	mg/kg-day	1.68E-04
				Chlorobenzene	6.07E-03	mg/L	3.54E-05	mg/kg-day	2.00E-02	mg/kg-day	1.77E-03
				Chloroethane	1.23E-02	mg/L	1.41E-05	mg/kg-day	4.00E-01	mg/kg-day	3.52E-05
				Chloroform	7.44E-03	mg/L	9.49E-06	mg/kg-day	1.00E-02	mg/kg-day	9.49E-04
				Chloromethane	7.26E-03	mg/L	4.31E-06	mg/kg-day	2.60E-02	mg/kg-day	1.66E-04
				Chromium	1.52E-01	mg/L	2.17E-05	mg/kg-day	1.50E+00	mg/kg-day	1.45E-05
				Chromium (VI)	4.72E-01	mg/L	6.75E-05	mg/kg-day	3.00E-03	mg/kg-day	2.25E-02
				cis-1,2-Dichloroethene	5.55E-02	mg/L	1.18E-04	mg/kg-day	1.00E-02	mg/kg-day	1.18E-02

TABLE F-7.3.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Dermal (bathing/ showering) (continued)	Cobalt	1.51E-02	mg/L	2.62E-06	mg/kg-day	2.00E-02	mg/kg-day	1.31E-04
				Copper	1.24E-02	mg/L	5.44E-07	mg/kg-day	4.00E-02	mg/kg-day	1.36E-05
				Cyanide	6.60E-02	mg/L	8.17E-06	mg/kg-day	2.00E-02	mg/kg-day	4.09E-04
				Ethylbenzene	7.18E-03	mg/L	7.59E-05	mg/kg-day	1.00E-01	mg/kg-day	7.59E-04
				Fluoranthene	1.80E-03	mg/L	1.32E-04	mg/kg-day	4.00E-02	mg/kg-day	3.30E-03
				Fluorene	1.00E-03	mg/L	2.45E-05	mg/kg-day	4.00E-02	mg/kg-day	6.11E-04
				Hexachlorobutadiene	4.00E-04	mg/L	6.92E-06	mg/kg-day	3.00E-04	mg/kg-day	2.31E-02
				Iron	1.70E+01	mg/L	6.00E-04	mg/kg-day	3.00E-01	mg/kg-day	2.00E-03
				Isopropylbenzene	5.50E-03	mg/L	1.10E-04	mg/kg-day	1.00E-01	mg/kg-day	1.10E-03
				Lead	7.38E-03	mg/L	3.61E-07	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	1.52E-04	mg/kg-day	2.00E-01	mg/kg-day	7.59E-04
				Manganese	9.91E+00	mg/L	1.81E-03	mg/kg-day	2.40E-02	mg/kg-day	7.56E-02
				Mercury	4.40E-05	mg/L	6.29E-09	mg/kg-day	2.10E-05	mg/kg-day	3.00E-04
				Methylene chloride	9.90E-03	mg/L	6.32E-06	mg/kg-day	6.00E-02	mg/kg-day	1.05E-04
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	2.56E-06	mg/kg-day	8.60E-01	mg/kg-day	2.98E-06
				Molybdenum	7.50E-02	mg/L	7.72E-06	mg/kg-day	5.00E-03	mg/kg-day	1.54E-03
				Naphthalene	3.35E-02	mg/L	3.32E-04	mg/kg-day	2.00E-02	mg/kg-day	1.66E-02
				n-Butylbenzene	2.40E-03	mg/L	4.81E-05	mg/kg-day	4.00E-02	mg/kg-day	1.20E-03
				Nickel	1.83E-01	mg/L	8.60E-06	mg/kg-day	8.00E-04	mg/kg-day	1.08E-02
				n-Propylbenzene	1.22E-02	mg/L	2.45E-04	mg/kg-day	--	mg/kg-day	--
				o-Xylene	6.86E-03	mg/L	6.91E-05	mg/kg-day	2.00E-01	mg/kg-day	3.45E-04
				Phenanthrene	2.00E-03	mg/L	6.55E-05	mg/kg-day	3.00E-01	mg/kg-day	2.18E-04
				Phenol	6.60E-03	mg/L	5.22E-06	mg/kg-day	3.00E-01	mg/kg-day	1.74E-05
				p-Isopropyltoluene	8.00E-04	mg/L	1.60E-05	mg/kg-day	--	mg/kg-day	--
				Pyrene	3.00E-03	mg/L	1.39E-04	mg/kg-day	3.00E-02	mg/kg-day	4.63E-03
				sec-Butylbenzene	5.00E-04	mg/L	1.00E-05	mg/kg-day	--	mg/kg-day	--
				Selenium	1.08E-02	mg/L	1.40E-06	mg/kg-day	1.50E-03	mg/kg-day	9.30E-04
				Silver	5.48E-03	mg/L	4.77E-07	mg/kg-day	2.00E-04	mg/kg-day	2.39E-03
				Tert-Butanol	4.21E-01	mg/L	1.14E-04	mg/kg-day	--	mg/kg-day	--
				tert-Butylbenzene	3.00E-04	mg/L	6.01E-06	mg/kg-day	4.00E-02	mg/kg-day	1.50E-04
				Tetrachloroethene	5.84E-03	mg/L	4.02E-05	mg/kg-day	1.00E-02	mg/kg-day	4.02E-03
				Thallium	8.12E-03	mg/L	1.16E-06	mg/kg-day	6.60E-05	mg/kg-day	1.76E-02
				Toluene	6.35E-03	mg/L	4.11E-05	mg/kg-day	2.00E-01	mg/kg-day	2.06E-04
				trans-1,2-Dichloroethene	1.16E-02	mg/L	7.98E-05	mg/kg-day	2.00E-02	mg/kg-day	3.99E-03
				Trichloroethene	1.00E+00	mg/L	2.25E-03	mg/kg-day	3.00E-04	mg/kg-day	7.49E+00

TABLE F-7.3.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Dermal (bathing/ showering) (continued)	Vanadium	2.85E-02	mg/L	5.51E-06	mg/kg-day	1.82E-04	mg/kg-day	3.03E-02
				Vinyl chloride	2.54E-02	mg/L	4.10E-05	mg/kg-day	3.00E-03	mg/kg-day	1.37E-02
				Xylene (Total)	1.75E-02	mg/L	2.01E-04	mg/kg-day	2.00E-01	mg/kg-day	1.00E-03
				Zinc	1.50E-01	mg/L	7.32E-06	mg/kg-day	3.00E-01	mg/kg-day	2.44E-05
			Exposure Route Total								**8.06E+00**
		Exposure Point Total									**1.27E+02**
	Exposure Medium Total										**1.27E+02**
	Air	Domestic Use of Groundwater Indoors	Inhalation (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/L	7.36E-05	mg/kg-day	6.30E-01	mg/kg-day	1.17E-04
				1,1,2-Trichloroethane	1.06E-02	mg/L	3.49E-05	mg/kg-day	4.00E-03	mg/kg-day	8.72E-03
				1,1-Dichlorethane	1.08E-01	mg/L	3.57E-04	mg/kg-day	1.40E-01	mg/kg-day	2.55E-03
				1,1-Dichlorethene	5.89E-01	mg/L	1.94E-03	mg/kg-day	5.71E-02	mg/kg-day	3.40E-02
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	3.73E-05	mg/kg-day	1.70E-03	mg/kg-day	2.19E-02
				1,2-Dichlorobenzene	1.34E-02	mg/L	4.41E-05	mg/kg-day	5.70E-02	mg/kg-day	7.73E-04
				1,2-Dichlorethane	1.25E-02	mg/L	4.11E-05	mg/kg-day	6.86E-01	mg/kg-day	6.00E-05
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	9.68E-04	mg/kg-day	1.00E-02	mg/kg-day	9.68E-02
				1,2-Dichloropropane	1.00E-04	mg/L	3.30E-07	mg/kg-day	1.10E-03	mg/kg-day	3.00E-04
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	3.50E-05	mg/kg-day	1.70E-03	mg/kg-day	2.06E-02
				1,3-Dichlorobenzene	4.50E-03	mg/L	1.48E-05	mg/kg-day	3.00E-02	mg/kg-day	4.95E-04
				1,4-Dichlorobenzene	6.42E-03	mg/L	2.12E-05	mg/kg-day	2.29E-01	mg/kg-day	9.26E-05
				2-Butanone	7.10E-02	mg/L	2.34E-04	mg/kg-day	1.43E+00	mg/kg-day	1.64E-04
				2-Hexanone	2.00E-03	mg/L	6.59E-06	mg/kg-day	8.60E-01	mg/kg-day	7.67E-06
				2-MethylNaphthalene	7.00E-04	mg/L	2.31E-06	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/L	9.56E-05	mg/kg-day	8.60E-01	mg/kg-day	1.11E-04
				Acenaphthene	2.00E-03	mg/L	6.59E-06	mg/kg-day	6.00E-02	mg/kg-day	1.10E-04
				Acenaphthylene	2.00E-03	mg/L	6.59E-06	mg/kg-day	6.00E-02	mg/kg-day	1.10E-04
				Acetone	1.65E+00	mg/L	5.45E-03	mg/kg-day	9.00E-01	mg/kg-day	6.06E-03
				Benzene	1.59E-02	mg/L	5.24E-05	mg/kg-day	8.57E-03	mg/kg-day	6.11E-03
				Bromodichloromethane	7.10E-03	mg/L	2.34E-05	mg/kg-day	2.00E-02	mg/kg-day	1.17E-03
				Carbon disulfide	7.53E-03	mg/L	2.48E-05	mg/kg-day	2.00E-01	mg/kg-day	1.24E-04
				Chlorobenzene	6.07E-03	mg/L	2.00E-05	mg/kg-day	1.71E-02	mg/kg-day	1.17E-03
				Chloroethane	1.23E-02	mg/L	4.07E-05	mg/kg-day	2.90E+00	mg/kg-day	1.40E-05
				Chloroform	7.44E-03	mg/L	2.45E-05	mg/kg-day	1.40E-04	mg/kg-day	1.75E-01
				Chloromethane	7.26E-03	mg/L	2.39E-05	mg/kg-day	2.57E-02	mg/kg-day	9.31E-04
				cis-1,2-Dichloroethene	5.55E-02	mg/L	1.83E-04	mg/kg-day	1.00E-02	mg/kg-day	1.83E-02
				Cyanide	6.60E-02	mg/L	2.18E-04	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	7.18E-03	mg/L	2.37E-05	mg/kg-day	2.86E-01	mg/kg-day	8.29E-05
				Fluorene	1.00E-03	mg/L	3.30E-06	mg/kg-day	4.00E-02	mg/kg-day	8.24E-05
				Hexachlorobutadiene	4.00E-04	mg/L	1.32E-06	mg/kg-day	3.00E-04	mg/kg-day	4.40E-03
				Isopropylbenzene	5.50E-03	mg/L	1.81E-05	mg/kg-day	1.10E-01	mg/kg-day	1.65E-04

TABLE F-7.3.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Domestic Use of Groundwater Indoors (continued)	Inhalation (bathing/ showering) (continued)	m,p-Xylene	1.32E-02	mg/L	4.37E-05	mg/kg-day	2.86E-02	mg/kg-day	1.53E-03
				Methylene Chloride	9.90E-03	mg/L	3.27E-05	mg/kg-day	8.57E-01	mg/kg-day	3.81E-05
				Methyl-T-Butyl-ether	6.97E-03	mg/L	2.30E-05	mg/kg-day	8.57E-01	mg/kg-day	2.68E-05
				Naphthalene	3.35E-02	mg/L	1.10E-04	mg/kg-day	8.57E-04	mg/kg-day	1.29E-01
				n-Butylbenzene	2.40E-03	mg/L	7.91E-06	mg/kg-day	1.14E-02	mg/kg-day	6.92E-04
				n-propylbenzene	1.22E-02	mg/L	4.03E-05	mg/kg-day	4.00E-02	mg/kg-day	1.01E-03
				o-Xylene	6.86E-03	mg/L	2.26E-05	mg/kg-day	2.86E-02	mg/kg-day	7.92E-04
				Phenanthrene	2.00E-03	mg/L	6.59E-06	mg/kg-day	3.00E-01	mg/kg-day	2.20E-05
				Pyrene	3.00E-03	mg/L	9.89E-06	mg/kg-day	3.00E-02	mg/kg-day	3.30E-04
				sec-Butylbenzene	5.00E-04	mg/L	1.65E-06	mg/kg-day	1.14E-02	mg/kg-day	1.44E-04
				tert-Butylbenzene	3.00E-04	mg/L	9.89E-07	mg/kg-day	1.14E-02	mg/kg-day	8.66E-05
				trans-1,2-Dichloroethene	1.16E-02	mg/L	3.83E-05	mg/kg-day	2.00E-02	mg/kg-day	1.91E-03
				Tetrachloroethene	5.84E-03	mg/L	1.93E-05	mg/kg-day	1.71E-01	mg/kg-day	1.12E-04
				Toluene	6.35E-03	mg/L	2.09E-05	mg/kg-day	1.14E-01	mg/kg-day	1.83E-04
				Trichloroethene	1.00E+00	mg/L	3.30E-03	mg/kg-day	1.00E-02	mg/kg-day	3.30E-01
				Vinyl chloride	2.5[illegible]E-02	mg/L	8.37E-05	mg/kg-day	2.86E-02	mg/kg-day	2.93E-03
				Xylene (Total)	1.75E-02	mg/L	5.77E-05	mg/kg-day	2.86E-02	mg/kg-day	2.02E-03
			Exposure Route Total								**8.71E-01**
		Exposure Point Total									**8.71E-01**
		Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-03	mg/m^3	5.50E-04	mg/kg-day	6.30E-01	mg/kg-day	8.72E-04
				1,1,2-Trichloroethane	4.59E-05	mg/m^3	1.25E-05	mg/kg-day	4.00E-03	mg/kg-day	3.13E-03
				1,1-Dichlorethane	3.16E-03	mg/m^3	8.63E-04	mg/kg-day	1.40E-01	mg/kg-day	6.16E-03
				1,1-Dichlorethene	9.92E-02	mg/m^3	2.71E-02	mg/kg-day	5.71E-02	mg/kg-day	4.73E-01
				1,2,4-Trimethylbenzene	2.33E-04	mg/m^3	6.37E-05	mg/kg-day	1.70E-03	mg/kg-day	3.75E-02
				1,2-Dichlorobenzene	9.49E-05	mg/m^3	2.59E-05	mg/kg-day	5.70E-02	mg/kg-day	4.54E-04
				1,2-Dichlorethane	7.70E-05	mg/m^3	2.10E-05	mg/kg-day	6.86E-01	mg/kg-day	3.06E-05
				1,2-Dichlorethene (Total)	6.08E-03	mg/m^3	1.66E-03	mg/kg-day	1.00E-02	mg/kg-day	1.66E-01
				1,2-Dichloropropane	1.41E-06	mg/m^3	3.84E-07	mg/kg-day	1.10E-03	mg/kg-day	3.49E-04
				1,3,5-Trimethylbenzene	2.08E-04	mg/m^3	5.69E-05	mg/kg-day	1.70E-03	mg/kg-day	3.35E-02
				1,3-Dichlorobenzene	5.39E-05	mg/m^3	1.47E-05	mg/kg-day	3.00E-02	mg/kg-day	4.90E-04
				1,4-Dichlorobenzene	5.92E-05	mg/m^3	1.61E-05	mg/kg-day	2.29E-01	mg/kg-day	7.06E-05
				2-Butanone	2.35E-05	mg/m^3	6.42E-06	mg/kg-day	1.43E+00	mg/kg-day	4.49E-06
				2-Hexanone	1.31E-06	mg/m^3	3.58E-07	mg/kg-day	8.60E-01	mg/kg-day	4.16E-07
				2-MethylNaphthalene	8.28E-07	mg/m^3	2.26E-07	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-05	mg/m^3	5.19E-06	mg/kg-day	8.60E-01	mg/kg-day	6.04E-06
				Acenaphthene	6.52E-07	mg/m^3	1.78E-07	mg/kg-day	6.00E-02	mg/kg-day	2.97E-06
				Acenaphthylene	6.52E-07	mg/m^3	1.78E-07	mg/kg-day	6.00E-02	mg/kg-day	2.97E-06
				Acetone	5.45E-04	mg/m^3	1.49E-04	mg/kg-day	9.00E-01	mg/kg-day	1.65E-04
				Benzene	5.01E-04	mg/m^3	1.37E-04	mg/kg-day	8.57E-03	mg/kg-day	1.59E-02
				Bromodichloromethane	2.55E-05	mg/m^3	6.97E-06	mg/kg-day	2.00E-02	mg/kg-day	3.48E-04

TABLE F-7.3.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	Carbon disulfide	1.61E-03	mg/m^3	4.39E-04	mg/kg-day	2.00E-01	mg/kg-day	2.19E-03
				Chlorobenzene	9.89E-05	mg/m^3	2.70E-05	mg/kg-day	1.71E-02	mg/kg-day	1.57E-03
				Chloroethane	1.47E-03	mg/m^3	4.01E-04	mg/kg-day	2.90E+00	mg/kg-day	1.38E-04
				Chloroform	1.82E-04	mg/m^3	4.97E-05	mg/kg-day	1.40E-04	mg/kg-day	3.55E-01
				Chloromethane	5.88E-04	mg/m^3	1.60E-04	mg/kg-day	2.57E-02	mg/kg-day	6.24E-03
				cis-1,2-Dichloroethene	1.15E-03	mg/m^3	3.14E-04	mg/kg-day	1.00E-02	mg/kg-day	3.14E-02
				Cyanide	9.60E-05	mg/m^3	2.62E-05	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	2.48E-04	mg/m^3	6.78E-05	mg/kg-day	2.86E-01	mg/kg-day	2.37E-04
				Fluorene	1.34E-07	mg/m^3	3.66E-08	mg/kg-day	4.00E-02	mg/kg-day	9.14E-07
				Hexachlorobutadiene	9.57E-06	mg/m^3	2.61E-06	mg/kg-day	3.00E-04	mg/kg-day	8.71E-03
				Isopropylbenzene	2.12E-02	mg/m^3	5.79E-03	mg/kg-day	1.10E-01	mg/kg-day	5.26E-02
				m,p-Xylene	4.52E-04	mg/m^3	1.23E-04	mg/kg-day	2.86E-02	mg/kg-day	4.31E-03
				Methylene Chloride	1.47E-04	mg/m^3	4.01E-05	mg/kg-day	8.57E-01	mg/kg-day	4.67E-05
				Methyl-T-Butyl-ether	2.95E-05	mg/m^3	8.06E-06	mg/kg-day	8.57E-01	mg/kg-day	9.41E-06
				Naphthalene	5.03E-05	mg/m^3	1.37E-05	mg/kg-day	8.57E-04	mg/kg-day	1.60E-02
				n-Butylbenzene	9.94E-05	mg/m^3	2.71E-05	mg/kg-day	1.14E-02	mg/kg-day	2.37E-03
				n-propylbenzene	4.44E-04	mg/m^3	1.21E-04	mg/kg-day	4.00E-02	mg/kg-day	3.03E-03
				o-Xylene	1.73E-04	mg/m^3	4.71E-05	mg/kg-day	2.86E-02	mg/kg-day	1.65E-03
				Phenanthrene	1.75E-07	mg/m^3	4.79E-08	mg/kg-day	3.00E-01	mg/kg-day	1.60E-07
				Pyrene	6.77E-08	mg/m^3	1.85E-08	mg/kg-day	3.00E-02	mg/kg-day	6.16E-07
				sec-Butylbenzene	5.50E-08	mg/m^3	1.50E-08	mg/kg-day	1.14E-02	mg/kg-day	1.31E-06
				tert-Butylbenzene	1.30E-05	mg/m^3	3.54E-06	mg/kg-day	1.14E-02	mg/kg-day	3.10E-04
				trans-1,2-Dichloroethene	9.43E-04	mg/m^3	2.57E-04	mg/kg-day	2.00E-02	mg/kg-day	1.29E-02
				Tetrachloroethene	4.75E-04	mg/m^3	1.30E-04	mg/kg-day	1.71E-01	mg/kg-day	7.56E-04
				Toluene	2.22E-04	mg/m^3	6.05E-05	mg/kg-day	1.14E-01	mg/kg-day	5.30E-04
				Trichloroethene	5.23E-02	mg/m^3	1.43E-02	mg/kg-day	1.00E-02	mg/kg-day	1.43E+00
				Vinyl chloride	5.47E-03	mg/m^3	1.49E-03	mg/kg-day	2.86E-02	mg/kg-day	5.22E-02
				Xylene (Total)	5.96E-04	mg/m^3	1.63E-04	mg/kg-day	2.86E-02	mg/kg-day	5.70E-03
			Exposure Route Total								**2.72E+00**
		Exposure Point Total									**2.72E+00**
	Exposure Medium Total										**3.60E+00**
Medium Total											**1.31E+02**
										Total of Receptor Hazards Across All Media	**1.31E+02**

TABLE F-7.3.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	

Notes:

--	Not applicable or not available
EPA	U.S. Evnironmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligram per kilogram
mg/kg-day	Milligram per kilogram per day
mg/L	Milligram per liter
mg/m^3	Milligram per cubic meter
RAGS	Risk Assessment Guidelines for Superfund
RfD	Reference dose
RfC	Reference concentration
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile Organic Compound

See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-7.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Ingestion	2,4-Dimethylphenol	3.80E-02	mg/kg	4.86E-07	mg/kg-day	2.00E-02	mg/kg-day	2.43E-05
				2-Methylnaphthalene	3.27E-02	mg/kg	4.18E-07	mg/kg-day	4.00E-03	mg/kg-day	1.05E-04
				4-Methyl-2-pentanone	3.42E+00	mg/kg	4.37E-05	mg/kg-day	8.00E-02	mg/kg-day	5.47E-04
				Acenaphthene	1.50E-01	mg/kg	1.92E-06	mg/kg-day	6.00E-02	mg/kg-day	3.20E-05
				Acenaphthylene	1.62E-02	mg/kg	2.07E-07	mg/kg-day	6.00E-02	mg/kg-day	3.46E-06
				Aluminum	6.87E+03	mg/kg	8.79E-02	mg/kg-day	1.00E+00	mg/kg-day	8.79E-02
				Anthracene	4.08E-01	mg/kg	5.21E-06	mg/kg-day	3.00E-01	mg/kg-day	1.74E-05
				Antimony	2.60E+00	mg/kg	3.32E-05	mg/kg-day	4.00E-04	mg/kg-day	8.31E-02
				Aroclor-1254	3.00E-02	mg/kg	3.84E-07	mg/kg-day	2.00E-05	mg/kg-day	1.92E-02
				Aroclor-1260	2.01E-01	mg/kg	2.57E-06	mg/kg-day	2.00E-05	mg/kg-day	1.28E-01
				Arsenic	2.50E+00	mg/kg	3.20E-05	mg/kg-day	3.00E-04	mg/kg-day	1.07E-01
				Barium	4.09E+01	mg/kg	5.23E-04	mg/kg-day	7.00E-02	mg/kg-day	7.47E-03
				Benzene	1.20E-03	mg/kg	1.53E-08	mg/kg-day	4.00E-03	mg/kg-day	3.84E-06
				Benzo(a)anthracene	1.63E+00	mg/kg	2.08E-05	mg/kg-day	--	--	--
				Benzo(a)pyrene	7.72E-01	mg/kg	9.87E-06	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.44E+00	mg/kg	1.84E-05	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	3.63E-06	mg/kg-day	3.00E-02	mg/kg-day	1.21E-04
				Benzo(k)fluoranthene	3.49E-01	mg/kg	4.46E-06	mg/kg-day	--	--	--
				Beryllium	2.00E+00	mg/kg	2.56E-05	mg/kg-day	2.00E-03	mg/kg-day	1.28E-02
				bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	3.60E-06	mg/kg-day	2.00E-02	mg/kg-day	1.80E-04
				Cadmium	3.74E+00	mg/kg	4.78E-05	mg/kg-day	5.00E-04	mg/kg-day	9.56E-02
				Carbazole	7.80E-01	mg/kg	9.97E-06	mg/kg-day	--	--	--
				Carbon disulfide	5.00E-03	mg/kg	6.39E-08	mg/kg-day	1.00E-01	mg/kg-day	6.39E-07
				Chlorobenzene	2.00E-03	mg/kg	2.56E-08	mg/kg-day	2.00E-02	mg/kg-day	1.28E-06
				Chloroform	2.00E-03	mg/kg	2.56E-08	mg/kg-day	1.00E-02	mg/kg-day	2.56E-06
				Chromium	3.55E+01	mg/kg	4.54E-04	mg/kg-day	1.50E+00	mg/kg-day	3.03E-04
				Chrysene	1.37E+00	mg/kg	1.75E-05	mg/kg-day	--	--	--
				Cobalt	7.70E+00	mg/kg	9.85E-05	mg/kg-day	2.00E-02	mg/kg-day	4.92E-03
				Copper	1.90E+01	mg/kg	2.43E-04	mg/kg-day	4.00E-02	mg/kg-day	6.07E-03
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	1.32E-06	mg/kg-day	--	--	--
				Dibenzofuran	1.70E-01	mg/kg	2.17E-06	mg/kg-day	2.00E-03	mg/kg-day	1.09E-03
				di-n-Butylphthalate	9.20E-02	mg/kg	1.18E-06	mg/kg-day	1.00E-01	mg/kg-day	1.18E-05
				Fluoranthene	4.84E+00	mg/kg	6.19E-05	mg/kg-day	4.00E-02	mg/kg-day	1.55E-03
				Fluorene	1.90E-01	mg/kg	2.43E-06	mg/kg-day	4.00E-02	mg/kg-day	6.09E-05
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	3.07E-06	mg/kg-day	--	--	--
				Iron	1.24E+04	mg/kg	1.59E-01	mg/kg-day	3.00E-01	mg/kg-day	5.29E-01
				Lead	2.91E+01	mg/kg	3.72E-04	mg/kg-day	--	--	--

TABLE F-7.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Ingestion (continued)	Manganese	1.97E+02	mg/kg	2.52E-03	mg/kg-day	2.40E-02	mg/kg-day	1.05E-01
				Mercury	6.30E-01	mg/kg	8.05E-06	mg/kg-day	3.00E-04	mg/kg-day	2.68E-02
				Methylene chloride	2.50E-02	mg/kg	3.20E-07	mg/kg-day	6.00E-02	mg/kg-day	5.33E-06
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	9.21E-07	mg/kg-day	8.60E-01	mg/kg-day	1.07E-06
				Molybdenum	8.70E-01	mg/kg	1.11E-05	mg/kg-day	5.00E-03	mg/kg-day	2.22E-03
				Naphthalene	4.32E-02	mg/kg	5.52E-07	mg/kg-day	2.00E-02	mg/kg-day	2.76E-05
				Nickel	3.99E+01	mg/kg	5.11E-04	mg/kg-day	2.00E-02	mg/kg-day	2.55E-02
				Phenanthrene	1.91E+00	mg/kg	2.45E-05	mg/kg-day	3.00E-01	mg/kg-day	8.16E-05
				Pyrene	2.22E+00	mg/kg	2.84E-05	mg/kg-day	3.00E-02	mg/kg-day	9.47E-04
				Selenium	2.88E-01	mg/kg	3.69E-06	mg/kg-day	5.00E-03	mg/kg-day	7.38E-04
				Silver	1.80E+00	mg/kg	2.30E-05	mg/kg-day	5.00E-03	mg/kg-day	4.60E-03
				Thallium	4.68E-01	mg/kg	5.99E-06	mg/kg-day	6.60E-05	mg/kg-day	9.08E-02
				Vanadium	2.70E+01	mg/kg	3.45E-04	mg/kg-day	7.00E-03	mg/kg-day	4.93E-02
				Xylene (Total)	2.00E-03	mg/kg	2.56E-08	mg/kg-day	2.00E-01	mg/kg-day	1.28E-07
				Zinc	4.30E+01	mg/kg	5.50E-04	mg/kg-day	3.00E-01	mg/kg-day	1.83E-03
			Exposure Route Total								**1.39E+00**
			Dermal	2,4-Dimethylphenol	3.80E-02	mg/kg	1.4E-08	mg/kg-day	2.00E-02	mg/kg-day	6.80E-07
				2-Methylnaphthalene	3.27E-02	mg/kg	1.2E-08	mg/kg-day	4.00E-03	mg/kg-day	2.93E-06
				4-Methyl-2-pentanone	3.42E+00	mg/kg	1.2E-06	mg/kg-day	8.00E-02	mg/kg-day	1.53E-05
				Acenaphthene	1.50E-01	mg/kg	7.0E-07	mg/kg-day	6.00E-02	mg/kg-day	1.16E-05
				Acenaphthylene	1.62E-02	mg/kg	5.8E-09	mg/kg-day	6.00E-02	mg/kg-day	9.68E-08
				Aluminum	6.87E+03	mg/kg	2.5E-04	mg/kg-day	1.00E+00	mg/kg-day	2.46E-04
				Anthracene	4.08E-01	mg/kg	1.9E-06	mg/kg-day	3.00E-01	mg/kg-day	6.32E-06
				Antimony	2.60E+00	mg/kg	9.3E-08	mg/kg-day	4.00E-04	mg/kg-day	2.33E-04
				Aroclor-1254	3.00E-02	mg/kg	1.5E-07	mg/kg-day	2.00E-05	mg/kg-day	7.52E-03
				Aroclor-1260	2.01E-01	mg/kg	1.0E-06	mg/kg-day	2.00E-05	mg/kg-day	5.03E-02
				Arsenic	2.50E+00	mg/kg	2.7E-06	mg/kg-day	3.00E-04	mg/kg-day	8.97E-03
				Barium	4.09E+01	mg/kg	1.5E-06	mg/kg-day	4.90E-03	mg/kg-day	2.99E-04
				Benzene	1.20E-03	mg/kg	4.3E-10	mg/kg-day	4.00E-03	mg/kg-day	1.07E-07
				Benzo(a)anthracene	1.63E+00	mg/kg	7.6E-06	mg/kg-day	--	--	--
				Benzo(a)pyrene	7.72E-01	mg/kg	3.6E-06	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.44E+00	mg/kg	6.7E-06	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	1.3E-06	mg/kg-day	3.00E-02	mg/kg-day	4.40E-05
				Benzo(k)fluoranthene	3.49E-01	mg/kg	1.6E-06	mg/kg-day	--	--	--
				Beryllium	2.00E+00	mg/kg	7.2E-08	mg/kg-day	1.40E-05	mg/kg-day	5.11E-03
				bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	1.0E-07	mg/kg-day	2.00E-02	mg/kg-day	5.04E-06

TABLE F-7.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Dermal (continued)	Cadmium	3.74E+00	mg/kg	1.3E-07	mg/kg-day	5.00E-04	mg/kg-day	2.68E-04
				Carbazole	7.80E-01	mg/kg	2.8E-07	mg/kg-day	--	--	--
				Carbon disulfide	5.00E-03	mg/kg	4.5E-08	mg/kg-day	1.00E-01	mg/kg-day	4.47E-07
				Chlorobenzene	2.00E-03	mg/kg	7.2E-10	mg/kg-day	2.00E-02	mg/kg-day	3.58E-08
				Chloroform	2.00E-03	mg/kg	7.2E-10	mg/kg-day	1.00E-02	mg/kg-day	7.16E-08
				Chromium	3.55E+01	mg/kg	1.3E-06	mg/kg-day	1.50E+00	mg/kg-day	8.48E-07
				Chrysene	1.37E+00	mg/kg	6.4E-06	mg/kg-day	--	--	--
				Cobalt	7.70E+00	mg/kg	2.8E-07	mg/kg-day	2.00E-02	mg/kg-day	1.38E-05
				Copper	1.90E+01	mg/kg	6.8E-07	mg/kg-day	4.00E-02	mg/kg-day	1.70E-05
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	4.8E-07	mg/kg-day	--	--	--
				Dibenzofuran	1.70E-01	mg/kg	6.1E-08	mg/kg-day	2.00E-03	mg/kg-day	3.04E-05
				di-n-Butylphthalate	9.20E-02	mg/kg	3.3E-08	mg/kg-day	1.00E+01	mg/kg-day	3.29E-09
				Fluoranthene	4.84E+00	mg/kg	2.3E-05	mg/kg-day	4.00E-02	mg/kg-day	5.63E-04
				Fluorene	1.90E-01	mg/kg	8.9E-07	mg/kg-day	4.00E-02	mg/kg-day	2.22E-05
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	1.1E-06	mg/kg-day	--	--	--
				Iron	1.24E+04	mg/kg	4.4E-04	mg/kg-day	3.00E-01	mg/kg-day	1.48E-03
				Lead	2.91E+01	mg/kg	1.0E-06	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	7.1E-06	mg/kg-day	2.40E-02	mg/kg-day	2.94E-04
				Mercury	6.30E-01	mg/kg	--	mg/kg-day	2.10E-05	mg/kg-day	--
				Methylene chloride	2.50E-02	mg/kg	8.9E-09	mg/kg-day	6.00E-02	mg/kg-day	1.49E-07
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	2.6E-08	mg/kg-day	8.60E-01	mg/kg-day	3.00E-08
				Molybdenum	8.70E-01	mg/kg	3.1E-08	mg/kg-day	5.00E-03	mg/kg-day	6.23E-06
				Naphthalene	4.32E-02	mg/kg	2.0E-07	mg/kg-day	2.00E-02	mg/kg-day	1.00E-05
				Nickel	3.99E+01	mg/kg	1.4E-06	mg/kg-day	8.00E-04	mg/kg-day	1.79E-03
				Phenanthrene	1.91E+00	mg/kg	6.9E-07	mg/kg-day	3.00E-01	mg/kg-day	2.28E-06
				Pyrene	2.22E+00	mg/kg	1.0E-05	mg/kg-day	3.00E-02	mg/kg-day	3.45E-04
				Selenium	2.88E-01	mg/kg	1.0E-08	mg/kg-day	1.50E-03	mg/kg-day	6.88E-06
				Silver	1.80E+00	mg/kg	6.4E-08	mg/kg-day	2.00E-04	mg/kg-day	3.22E-04
				Thallium	4.68E-01	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Vanadium	2.70E+01	mg/kg	9.7E-07	mg/kg-day	1.82E-04	mg/kg-day	5.31E-03
				Xylene (Total)	2.00E-03	mg/kg	7.2E-10	mg/kg-day	2.00E-01	mg/kg-day	3.58E-09
				Zinc	4.30E+01	mg/kg	1.5E-06	mg/kg-day	3.00E-01	mg/kg-day	5.13E-06
			Exposure Route Total								**8.32E-02**
		Exposure Point Total									**1.48E+00**
		Homegrown Produce	Ingestion	2,4-Dimethylphenol	3.80E-02	mg/kg	2.1E-06	mg/kg-day	2.00E-02	mg/kg-day	1.05E-04
				2-Methylnaphthalene	3.27E-02	mg/kg	--	mg/kg-day	4.00E-03	mg/kg-day	--
				4-Methyl-2-pentanone	3.42E+00	mg/kg	--	mg/kg-day	8.00E-02	mg/kg-day	--
				Acenaphthene	1.50E-01	mg/kg	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Acenaphthylene	1.62E-02	mg/kg	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Aluminum	6.87E+03	mg/kg	--	mg/kg-day	1.00E+00	mg/kg-day	--
				Anthracene	4.08E-01	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--

TABLE F-7.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Homegrown Produce (continued)	Ingestion (continued)	Antimony	2.60E+00	mg/kg	--	mg/kg-day	4.00E-04	mg/kg-day	--
				Aroclor-1254	3.00E-02	mg/kg	5.8E-09	mg/kg-day	2.00E-05	mg/kg-day	2.89E-04
				Aroclor-1260	2.01E-01	mg/kg	1.6E-08	mg/kg-day	2.00E-05	mg/kg-day	8.08E-04
				Arsenic	2.50E+00	mg/kg	1.3E-05	mg/kg-day	3.00E-04	mg/kg-day	4.23E-02
				Barium	4.09E+01	mg/kg	--	mg/kg-day	7.00E-02	mg/kg-day	--
				Benzene	1.20E-03	mg/kg	--	mg/kg-day	4.00E-03	mg/kg-day	--
				Benzo(a)anthracene	1.63E+00	mg/kg	1.3E-07	mg/kg-day	--	--	--
				Benzo(a)pyrene	7.72E-01	mg/kg	4.2E-08	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.44E+00	mg/kg	9.3E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	--	mg/kg-day	3.00E-02	mg/kg-day	--
				Benzo(k)fluoranthene	3.49E-01	mg/kg	1.9E-08	mg/kg-day	--	--	--
				Beryllium	2.00E+00	mg/kg	--	mg/kg-day	2.00E-03	mg/kg-day	--
				bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	2.1E-10	mg/kg-day	2.00E-02	mg/kg-day	1.05E-08
				Cadmium	3.74E+00	mg/kg	2.4E-04	mg/kg-day	5.00E-04	mg/kg-day	4.79E-01
				Carbazole	7.80E-01	mg/kg	2.3E-05	mg/kg-day	--	--	--
				Carbon disulfide	5.00E-03	mg/kg	--	mg/kg-day	1.00E-01	mg/kg-day	--
				Chlorobenzene	2.00E-03	mg/kg	--	mg/kg-day	2.00E-02	mg/kg-day	--
				Chloroform	2.00E-03	mg/kg	--	mg/kg-day	1.00E-02	mg/kg-day	--
				Chromium	3.55E+01	mg/kg	--	mg/kg-day	1.50E+00	mg/kg-day	--
				Chrysene	1.37E+00	mg/kg	1.1E-07	mg/kg-day	--	--	--
				Cobalt	7.70E+00	mg/kg	--	mg/kg-day	2.00E-02	mg/kg-day	--
				Copper	1.90E+01	mg/kg	--	mg/kg-day	4.00E-02	mg/kg-day	--
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	3.7E-09	mg/kg-day	--	--	--
				Dibenzofuran	1.70E-01	mg/kg	--	mg/kg-day	2.00E-03	mg/kg-day	--
				di-n-Butylphthalate	9.20E-02	mg/kg	1.5E-08	mg/kg-day	1.00E-01	mg/kg-day	1.52E-07
				Fluoranthene	4.84E+00	mg/kg	4.3E-07	mg/kg-day	4.00E-02	mg/kg-day	1.07E-05
				Fluorene	1.90E-01	mg/kg	--	mg/kg-day	4.00E-02	mg/kg-day	--
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	1.1E-08	mg/kg-day	--	--	--
				Iron	1.24E+04	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Lead	2.91E+01	mg/kg	--	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	--	mg/kg-day	2.40E-02	mg/kg-day	--
				Mercury	6.30E-01	mg/kg	4.9E-06	mg/kg-day	3.00E-04	mg/kg-day	1.64E-02
				Methylene chloride	2.50E-02	mg/kg	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	--	mg/kg-day	8.60E-01	mg/kg-day	--
				Molybdenum	8.70E-01	mg/kg	--	mg/kg-day	5.00E-03	mg/kg-day	--
				Naphthalene	4.32E-02	mg/kg	--	mg/kg-day	2.00E-02	mg/kg-day	--
				Nickel	3.99E+01	mg/kg	3.3E-04	mg/kg-day	2.00E-02	mg/kg-day	1.65E-02
				Phenanthrene	1.91E+00	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Pyrene	2.22E+00	mg/kg	--	mg/kg-day	3.00E-02	mg/kg-day	--
				Selenium	2.88E-01	mg/kg	2.3E-06	mg/kg-day	5.00E-03	mg/kg-day	4.70E-04
				Silver	1.80E+00	mg/kg	--	mg/kg-day	5.00E-03	mg/kg-day	--
				Thallium	4.68E-01	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--

TABLE F-7.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Homegrown Produce (continued)	Ingestion (continued)	Vanadium	2.70E+01	mg/kg	--	mg/kg-day	7.00E-03	mg/kg-day	--
				Xylene (Total)	2.00E-03	mg/kg	--	mg/kg-day	2.00E-01	mg/kg-day	--
				Zinc	4.30E+01	mg/kg	1.4E-03	mg/kg-day	3.00E-01	mg/kg-day	4.74E-03
			Exposure Route Total								**5.61E-01**
		Exposure Point Total									**5.61E-01**
	Exposure Medium Total										**2.04E+00**
	Air	Outdoor Air	Inhalation (particulates or VOCs)	2,4-Dimethylphenol	2.88E-11	mg/m^3	1.9E-11	mg/kg-day	2.00E-02	mg/kg-day	9.28E-10
				2-Methylnaphthalene	2.31E-07	mg/m^3	1.5E-07	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.37E-04	mg/m^3	8.8E-05	mg/kg-day	8.60E-01	mg/kg-day	1.02E-04
				Acenaphthene	8.34E-07	mg/m^3	5.4E-07	mg/kg-day	6.00E-02	mg/kg-day	8.96E-06
				Acenaphthylene	9.01E-08	mg/m^3	5.8E-08	mg/kg-day	6.00E-02	mg/kg-day	9.68E-07
				Aluminum	5.21E-06	mg/m^3	3.4E-06	mg/kg-day	1.43E-03	mg/kg-day	2.35E-03
				Anthracene	5.82E-07	mg/m^3	3.8E-07	mg/kg-day	3.00E-01	mg/kg-day	1.25E-06
				Antimony	1.97E-09	mg/m^3	1.3E-09	mg/kg-day	--	--	--
				Aroclor-1254	2.27E-11	mg/m^3	1.5E-11	mg/kg-day	2.00E-05	mg/kg-day	7.32E-07
				Aroclor-1260	1.52E-10	mg/m^3	9.8E-11	mg/kg-day	2.00E-05	mg/kg-day	4.90E-06
				Arsenic	1.90E-09	mg/m^3	1.2E-09	mg/kg-day	--	mg/kg-day	--
				Barium	3.10E-08	mg/m^3	2.0E-08	mg/kg-day	1.40E-04	mg/kg-day	1.43E-04
				Benzene	4.44E-07	mg/m^3	2.9E-07	mg/kg-day	8.57E-03	mg/kg-day	3.34E-05
				Benzo(a)anthracene	1.24E-09	mg/m^3	8.0E-10	mg/kg-day	--	--	--
				Benzo(a)pyrene	5.85E-10	mg/m^3	3.8E-10	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.09E-09	mg/m^3	7.0E-10	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.15E-10	mg/m^3	1.4E-10	mg/kg-day	3.00E-02	mg/kg-day	4.62E-09
				Benzo(k)fluoranthene	2.64E-10	mg/m^3	1.7E-10	mg/kg-day	--	--	--
				Beryllium	1.52E-09	mg/m^3	9.8E-10	mg/kg-day	5.71E-06	mg/kg-day	1.71E-04
				bis(2-ethylhexyl)phthalate	2.13E-10	mg/m^3	1.4E-10	mg/kg-day	2.20E-02	mg/kg-day	6.24E-09
				Cadmium	2.83E-09	mg/m^3	1.8E-09	mg/kg-day	--	mg/kg-day	--
				Carbazole	5.91E-10	mg/m^3	3.8E-10	mg/kg-day	--	--	--
				Carbon disulfide	4.17E-06	mg/m^3	2.7E-06	mg/kg-day	2.00E-01	mg/kg-day	1.34E-05
				Chlorobenzene	3.17E-07	mg/m^3	2.0E-07	mg/kg-day	1.71E-02	mg/kg-day	1.19E-05
				Chloroform	7.41E-07	mg/m^3	4.8E-07	mg/kg-day	1.40E-04	mg/kg-day	3.41E-03
				Chromium	2.69E-08	mg/m^3	1.7E-08	mg/kg-day	--	--	--
				Chrysene	1.04E-09	mg/m^3	6.7E-10	mg/kg-day	--	--	--
				Cobalt	5.84E-09	mg/m^3	3.8E-09	mg/kg-day	5.71E-06	mg/kg-day	6.59E-04
				Copper	1.44E-08	mg/m^3	9.3E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	7.85E-11	mg/m^3	5.1E-11	mg/kg-day	--	--	--
				Dibenzofuran	2.62E-07	mg/m^3	1.7E-07	mg/kg-day	2.00E-03	mg/kg-day	8.43E-05
				di-n-Butylphthalate	6.97E-11	mg/m^3	4.5E-11	mg/kg-day	--	--	--
				Fluoranthene	3.67E-09	mg/m^3	2.4E-09	mg/kg-day	4.00E-02	mg/kg-day	5.91E-08
				Fluorene	5.29E-07	mg/m^3	3.4E-07	mg/kg-day	4.00E-02	mg/kg-day	8.52E-06
				Indeno(1,2,3-cd)pyrene	1.82E-10	mg/m^3	1.2E-10	mg/kg-day	--	--	--
				Iron	9.41E-06	mg/m^3	6.1E-06	mg/kg-day	--	--	--

TABLE F-7.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Air (continued)	Outdoor Air (continued)	Inhalation (particulates or VOCs) (continued)	Lead	2.21E-08	mg/m^3	1.4E-08	mg/kg-day	--	--	--
				Manganese	1.50E-07	mg/m^3	9.6E-08	mg/kg-day	1.43E-05	mg/kg-day	6.75E-03
				Mercury	4.77E-10	mg/m^3	3.1E-10	mg/kg-day	--	mg/kg-day	--
				Methylene chloride	1.00E-05	mg/m^3	6.5E-06	mg/kg-day	8.57E-01	mg/kg-day	7.55E-06
				Methyl-T-Butyl-Ether	1.53E-05	mg/m^3	9.9E-06	mg/kg-day	8.57E-01	mg/kg-day	1.15E-05
				Molybdenum	6.59E-10	mg/m^3	4.2E-10	mg/kg-day	--	--	--
				Naphthalene	1.00E-06	mg/m^3	6.5E-07	mg/kg-day	8.57E-04	mg/kg-day	7.55E-04
				Nickel	3.03E-08	mg/m^3	1.9E-08	mg/kg-day	5.71E-05	mg/kg-day	3.41E-04
				Phenanthrene	1.28E-06	mg/m^3	8.3E-07	mg/kg-day	3.00E-01	mg/kg-day	2.75E-06
				Pyrene	5.85E-07	mg/m^3	3.8E-07	mg/kg-day	3.00E-02	mg/kg-day	1.26E-05
				Selenium	2.19E-10	mg/m^3	1.4E-10	mg/kg-day	--	mg/kg-day	--
				Silver	1.36E-09	mg/m^3	8.8E-10	mg/kg-day	--	--	--
				Thallium	3.55E-10	mg/m^3	2.3E-10	mg/kg-day	--	--	--
				Vanadium	2.04E-08	mg/m^3	1.3E-08	mg/kg-day	--	--	--
				Xylene (Total)	3.28E-07	mg/m^3	2.1E-07	mg/kg-day	2.86E-02	mg/kg-day	7.39E-06
				Zinc	3.26E-08	mg/m^3	2.1E-08	mg/kg-day	--	mg/kg-day	--
			Exposure Route Total								**1.49E-02**
		Exposure Point Total									**1.49E-02**
	Exposure Medium Total										**1.49E-02**
Medium Total											**2.05E+00**
Groundwater	Groundwater	Domestic Use of Groundwater	Ingestion	1,1,1-Trichloroethane	2.23E-02	mg/L	1.43E-03	mg/kg-day	2.80E-01	mg/kg-day	5.09E-03
				1,1,2-Trichloroethane	1.06E-02	mg/L	6.76E-04	mg/kg-day	4.00E-03	mg/kg-day	1.69E-01
				1,1-Dichlorethane	1.08E-01	mg/L	6.92E-03	mg/kg-day	1.00E-01	mg/kg-day	6.92E-02
				1,1-Dichlorethene	5.89E-01	mg/L	3.76E-02	mg/kg-day	5.00E-02	mg/kg-day	7.53E-01
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	7.23E-04	mg/kg-day	5.00E-02	mg/kg-day	1.45E-02
				1,2-Dichlorobenzene	1.34E-02	mg/L	8.55E-04	mg/kg-day	9.00E-02	mg/kg-day	9.50E-03
				1,2-Dichlorethane	1.25E-02	mg/L	7.98E-04	mg/kg-day	2.00E-02	mg/kg-day	3.99E-02
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	1.88E-02	mg/kg-day	1.00E-02	mg/kg-day	1.88E+00
				1,2-Dichloropropane	1.00E-04	mg/L	6.39E-06	mg/kg-day	1.10E-03	mg/kg-day	5.81E-03
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	6.79E-04	mg/kg-day	5.00E-02	mg/kg-day	1.36E-02
				1,3-Dichlorobenzene	4.50E-03	mg/L	2.88E-04	mg/kg-day	9.00E-04	mg/kg-day	3.20E-01
				1,4-Dichlorobenzene	6.42E-03	mg/L	4.10E-04	mg/kg-day	3.00E-02	mg/kg-day	1.37E-02
				2-Butanone	7.10E-02	mg/L	4.54E-03	mg/kg-day	6.00E-01	mg/kg-day	7.56E-03
				2-Hexanone	2.00E-03	mg/L	1.28E-04	mg/kg-day	8.00E-02	mg/kg-day	1.60E-03
				2-Methylnaphthalene	7.00E-04	mg/L	4.47E-05	mg/kg-day	4.00E-03	mg/kg-day	1.12E-02
				4-Methyl-2-pentanone	2.90E-02	mg/L	1.85E-03	mg/kg-day	8.00E-02	mg/kg-day	2.32E-02
				Acenaphthene	2.00E-03	mg/L	1.28E-04	mg/kg-day	6.00E-02	mg/kg-day	2.13E-03
				Acenaphthylene	2.00E-03	mg/L	1.28E-04	mg/kg-day	6.00E-02	mg/kg-day	2.13E-03
				Acetone	1.65E+00	mg/L	1.06E-01	mg/kg-day	9.00E-01	mg/kg-day	1.17E-01
				Aluminum	9.88E-01	mg/L	6.31E-02	mg/kg-day	1.00E+00	mg/kg-day	6.31E-02
				Antimony	1.43E-02	mg/L	9.13E-04	mg/kg-day	4.00E-04	mg/kg-day	2.28E+00
				Arsenic	1.98E-02	mg/L	1.27E-03	mg/kg-day	3.00E-04	mg/kg-day	4.22E+00

TABLE F-7.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Ingestion (continued)	Barium	2.70E-01	mg/L	1.72E-02	mg/kg-day	7.00E-02	mg/kg-day	2.46E-01
				Benzene	1.59E-02	mg/L	1.02E-03	mg/kg-day	4.00E-03	mg/kg-day	2.54E-01
				Benzo(a)anthracene	1.00E-04	mg/L	6.39E-06	mg/kg-day	--	--	--
				Benzo(a)pyrene	1.00E-04	mg/L	6.39E-06	mg/kg-day	--	--	--
				Beryllium	1.41E-03	mg/L	9.03E-05	mg/kg-day	2.00E-03	mg/kg-day	4.52E-02
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	4.54E-04	mg/kg-day	2.00E-02	mg/kg-day	2.27E-02
				Bromodichloromethane	7.10E-03	mg/L	4.54E-04	mg/kg-day	2.00E-02	mg/kg-day	2.27E-02
				Cadmium	1.60E-02	mg/L	1.02E-03	mg/kg-day	5.00E-04	mg/kg-day	2.05E+00
				Carbon disulfide	7.53E-03	mg/L	4.81E-04	mg/kg-day	1.00E-01	mg/kg-day	4.81E-03
				Chlorobenzene	6.07E-03	mg/L	3.88E-04	mg/kg-day	2.00E-02	mg/kg-day	1.94E-02
				Chloroethane	1.23E-02	mg/L	7.89E-04	mg/kg-day	4.00E-01	mg/kg-day	1.97E-03
				Chloroform	7.44E-03	mg/L	4.76E-04	mg/kg-day	1.00E-02	mg/kg-day	4.76E-02
				Chloromethane	7.26E-03	mg/L	4.64E-04	mg/kg-day	2.60E-02	mg/kg-day	1.78E-02
				Chromium	1.52E-01	mg/L	9.71E-03	mg/kg-day	1.50E+00	mg/kg-day	6.48E-03
				Chromium (VI)	4.72E-01	mg/L	3.02E-02	mg/kg-day	3.00E-03	mg/kg-day	1.01E+01
				cis-1,2-Dichloroethene	5.55E-02	mg/L	3.55E-03	mg/kg-day	1.00E-02	mg/kg-day	3.55E-01
				Cobalt	1.51E-02	mg/L	9.66E-04	mg/kg-day	2.00E-02	mg/kg-day	4.83E-02
				Copper	1.24E-02	mg/L	7.92E-04	mg/kg-day	4.00E-02	mg/kg-day	1.98E-02
				Cyanide	6.60E-02	mg/L	4.22E-03	mg/kg-day	2.00E-02	mg/kg-day	2.11E-01
				Ethylbenzene	7.18E-03	mg/L	4.59E-04	mg/kg-day	1.00E-01	mg/kg-day	4.59E-03
				Fluoranthene	1.80E-03	mg/L	1.15E-04	mg/kg-day	4.00E-02	mg/kg-day	2.88E-03
				Fluorene	1.00E-03	mg/L	6.39E-05	mg/kg-day	4.00E-02	mg/kg-day	1.60E-03
				Hexachlorobutadiene	4.00E-04	mg/L	2.56E-05	mg/kg-day	3.00E-04	mg/kg-day	8.52E-02
				Iron	1.70E+01	mg/L	1.09E+00	mg/kg-day	3.00E-01	mg/kg-day	3.62E+00
				Isopropylbenzene	5.50E-03	mg/L	3.52E-04	mg/kg-day	1.00E-01	mg/kg-day	3.52E-03
				Lead	7.38E-03	mg/L	4.72E-04	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	8.46E-04	mg/kg-day	2.00E-01	mg/kg-day	4.23E-03
				Manganese	9.91E+00	mg/L	6.33E-01	mg/kg-day	2.40E-02	mg/kg-day	2.64E+01
				Mercury	4.40E-05	mg/L	2.81E-06	mg/kg-day	3.00E-04	mg/kg-day	9.38E-03
				Methylene chloride	9.90E-03	mg/L	6.33E-04	mg/kg-day	6.00E-02	mg/kg-day	1.06E-02
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	4.46E-04	mg/kg-day	8.60E-01	mg/kg-day	5.18E-04
				Molybdenum	7.50E-02	mg/L	4.79E-03	mg/kg-day	5.00E-03	mg/kg-day	9.59E-01
				Naphthalene	3.35E-02	mg/L	2.14E-03	mg/kg-day	2.00E-02	mg/kg-day	1.07E-01
				n-Butylbenzene	2.40E-03	mg/L	1.53E-04	mg/kg-day	4.00E-02	mg/kg-day	3.84E-03
				Nickel	1.83E-01	mg/L	1.17E-02	mg/kg-day	2.00E-02	mg/kg-day	5.84E-01
				n-Propylbenzene	1.22E-02	mg/L	7.82E-04	mg/kg-day	--	mg/kg-day	--
				o-Xylene	6.86E-03	mg/L	4.39E-04	mg/kg-day	2.00E-01	mg/kg-day	2.19E-03
				Phenanthrene	2.00E-03	mg/L	1.28E-04	mg/kg-day	3.00E-01	mg/kg-day	4.26E-04

TABLE F-7.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Ingestion (continued)	Phenol	6.60E-03	mg/L	4.22E-04	mg/kg-day	3.00E-01	mg/kg-day	1.41E-03
				p-Isopropyltoluene	8.00E-04	mg/L	5.11E-05	mg/kg-day	--	mg/kg-day	--
				Pyrene	3.00E-03	mg/L	1.92E-04	mg/kg-day	3.00E-02	mg/kg-day	6.39E-03
				sec-Butylbenzene	5.00E-04	mg/L	3.20E-05	mg/kg-day	4.00E-02	mg/kg-day	7.99E-04
				Selenium	1.08E-02	mg/L	6.91E-04	mg/kg-day	5.00E-03	mg/kg-day	1.38E-01
				Silver	5.48E-03	mg/L	3.50E-04	mg/kg-day	5.00E-03	mg/kg-day	7.00E-02
				Tert-Butanol	4.21E-01	mg/L	2.69E-02	mg/kg-day	--	mg/kg-day	--
				tert-Butylbenzene	3.00E-04	mg/L	1.92E-05	mg/kg-day	4.00E-02	mg/kg-day	4.79E-04
				Tetrachloroethene	5.84E-03	mg/L	3.74E-04	mg/kg-day	1.00E-02	mg/kg-day	3.74E-02
				Thallium	8.12E-03	mg/L	5.19E-04	mg/kg-day	6.60E-05	mg/kg-day	7.86E+00
				Toluene	6.35E-03	mg/L	4.06E-04	mg/kg-day	2.00E-01	mg/kg-day	2.03E-03
				trans-1,2-Dichloroethene	1.16E-02	mg/L	7.42E-04	mg/kg-day	2.00E-02	mg/kg-day	3.71E-02
				Trichloroethene	1.00E+00	mg/L	6.39E-02	mg/kg-day	3.00E-04	mg/kg-day	2.13E+02
				Vanadium	2.85E-02	mg/L	1.83E-03	mg/kg-day	7.00E-03	mg/kg-day	2.61E-01
				Vinyl chloride	2.54E-02	mg/L	1.62E-03	mg/kg-day	3.00E-03	mg/kg-day	5.41E-01
				Xylene (Total)	1.75E-02	mg/L	1.12E-03	mg/kg-day	2.00E-01	mg/kg-day	5.59E-03
				Zinc	1.50E-01	mg/L	9.57E-03	mg/kg-day	3.00E-01	mg/kg-day	3.19E-02
			Exposure Route Total								**2.77E+02**
			Dermal (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/L	1.61E-04	mg/kg-day	2.80E-01	mg/kg-day	5.75E-04
				1,1,2-Trichloroethane	1.06E-02	mg/L	2.87E-05	mg/kg-day	4.00E-03	mg/kg-day	7.17E-03
				1,1-Dichlorethane	1.08E-01	mg/L	4.04E-04	mg/kg-day	1.00E-01	mg/kg-day	4.04E-03
				1,1-Dichlorethene	5.89E-01	mg/L	3.95E-03	mg/kg-day	5.00E-02	mg/kg-day	7.90E-02
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	4.51E-04	mg/kg-day	5.00E-02	mg/kg-day	9.01E-03
				1,2-Dichlorobenzene	1.34E-02	mg/L	3.72E-04	mg/kg-day	9.00E-02	mg/kg-day	4.13E-03
				1,2-Dichlorethane	1.25E-02	mg/L	2.81E-05	mg/kg-day	2.00E-02	mg/kg-day	1.41E-03
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	1.85E-03	mg/kg-day	1.00E-02	mg/kg-day	1.85E-01
				1,2-Dichloropropane	1.00E-04	mg/L	4.19E-07	mg/kg-day	1.10E-03	mg/kg-day	3.80E-04
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	4.23E-04	mg/kg-day	5.00E-02	mg/kg-day	8.46E-03
				1,3-Dichlorobenzene	4.50E-03	mg/L	1.47E-04	mg/kg-day	9.00E-04	mg/kg-day	1.63E-01
				1,4-Dichlorobenzene	6.42E-03	mg/L	1.68E-04	mg/kg-day	3.00E-02	mg/kg-day	5.60E-03
				2-Butanone	7.10E-02	mg/L	3.33E-05	mg/kg-day	6.00E-01	mg/kg-day	5.54E-05
				2-Hexanone	2.00E-03	mg/L	3.76E-06	mg/kg-day	8.00E-02	mg/kg-day	4.69E-05
				2-Methylnaphthalene	7.00E-04	mg/L	4.19E-05	mg/kg-day	4.00E-03	mg/kg-day	1.05E-02
				4-Methyl-2-pentanone	2.90E-02	mg/L	4.86E-05	mg/kg-day	8.00E-02	mg/kg-day	6.07E-04
				Acenaphthene	2.00E-03	mg/L	1.12E-04	mg/kg-day	6.00E-02	mg/kg-day	1.87E-03
				Acenaphthylene	2.00E-03	mg/L	1.19E-04	mg/kg-day	6.00E-02	mg/kg-day	1.98E-03
				Acetone	1.65E+00	mg/L	3.97E-04	mg/kg-day	9.00E-01	mg/kg-day	4.41E-04
				Aluminum	9.88E-01	mg/L	8.92E-04	mg/kg-day	1.00E+00	mg/kg-day	8.92E-04

TABLE F-7.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Dermal (bathing/ showering) (continued)	Antimony	1.43E-02	mg/L	6.57E-06	mg/kg-day	4.00E-04	mg/kg-day	1.64E-02
				Arsenic	1.98E-02	mg/L	1.61E-05	mg/kg-day	3.00E-04	mg/kg-day	5.38E-02
				Barium	2.70E-01	mg/L	4.58E-05	mg/kg-day	4.90E-03	mg/kg-day	9.36E-03
				Benzene	1.59E-02	mg/L	1.39E-04	mg/kg-day	4.00E-03	mg/kg-day	3.47E-02
				Benzo(a)anthracene	1.00E-04	mg/L	4.00E-05	mg/kg-day	--	--	--
				Benzo(a)pyrene	1.00E-04	mg/L	5.23E-05	mg/kg-day	--	--	--
				Beryllium	1.41E-03	mg/L	3.94E-07	mg/kg-day	1.40E-05	mg/kg-day	2.81E-02
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	5.90E-03	mg/kg-day	2.00E-02	mg/kg-day	2.95E-01
				Bromodichloromethane	7.10E-03	mg/L	1.50E-05	mg/kg-day	2.00E-02	mg/kg-day	7.52E-04
				Cadmium	1.60E-02	mg/L	2.37E-06	mg/kg-day	5.00E-04	mg/kg-day	4.73E-03
				Carbon disulfide	7.53E-03	mg/L	4.95E-05	mg/kg-day	1.00E-01	mg/kg-day	4.95E-04
				Chlorobenzene	6.07E-03	mg/L	1.04E-04	mg/kg-day	2.00E-02	mg/kg-day	5.22E-03
				Chloroethane	1.23E-02	mg/L	4.16E-05	mg/kg-day	4.00E-01	mg/kg-day	1.04E-04
				Chloroform	7.44E-03	mg/L	2.80E-05	mg/kg-day	1.00E-02	mg/kg-day	2.80E-03
				Chloromethane	7.26E-03	mg/L	1.27E-05	mg/kg-day	2.60E-02	mg/kg-day	4.89E-04
				Chromium	1.52E-01	mg/L	6.41E-05	mg/kg-day	1.50E+00	mg/kg-day	4.27E-05
				Chromium (VI)	4.72E-01	mg/L	1.99E-04	mg/kg-day	3.00E-03	mg/kg-day	6.64E-02
				cis-1,2-Dichloroethene	5.55E-02	mg/L	3.49E-04	mg/kg-day	1.00E-02	mg/kg-day	3.49E-02
				Cobalt	1.51E-02	mg/L	7.72E-06	mg/kg-day	2.00E-02	mg/kg-day	3.86E-04
				Copper	1.24E-02	mg/L	1.60E-06	mg/kg-day	4.00E-02	mg/kg-day	4.01E-05
				Cyanide	6.60E-02	mg/L	2.41E-05	mg/kg-day	2.00E-02	mg/kg-day	1.21E-03
				Ethylbenzene	7.18E-03	mg/L	2.24E-04	mg/kg-day	1.00E-01	mg/kg-day	2.24E-03
				Fluoranthene	1.80E-03	mg/L	3.90E-04	mg/kg-day	4.00E-02	mg/kg-day	9.74E-03
				Fluorene	1.00E-03	mg/L	7.21E-05	mg/kg-day	4.00E-02	mg/kg-day	1.80E-03
				Hexachlorobutadiene	4.00E-04	mg/L	2.04E-05	mg/kg-day	3.00E-04	mg/kg-day	6.81E-02
				Iron	1.70E+01	mg/L	1.77E-03	mg/kg-day	3.00E-01	mg/kg-day	5.90E-03
				Isopropylbenzene	5.50E-03	mg/L	3.25E-04	mg/kg-day	1.00E-01	mg/kg-day	3.25E-03
				Lead	7.38E-03	mg/L	1.06E-06	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	4.48E-04	mg/kg-day	2.00E-01	mg/kg-day	2.24E-03
				Manganese	9.91E+00	mg/L	5.35E-03	mg/kg-day	2.40E-02	mg/kg-day	2.23E-01
				Mercury	4.40E-05	mg/L	1.86E-08	mg/kg-day	2.10E-05	mg/kg-day	8.84E-04
				Methylene chloride	9.90E-03	mg/L	1.86E-05	mg/kg-day	6.00E-02	mg/kg-day	3.11E-04
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	7.56E-06	mg/kg-day	8.60E-01	mg/kg-day	8.79E-06
				Molybdenum	7.50E-02	mg/L	2.28E-05	mg/kg-day	5.00E-03	mg/kg-day	4.56E-03
				Naphthalene	3.35E-02	mg/L	9.81E-04	mg/kg-day	2.00E-02	mg/kg-day	4.90E-02
				n-Butylbenzene	2.40E-03	mg/L	1.42E-04	mg/kg-day	4.00E-02	mg/kg-day	3.54E-03
				Nickel	1.83E-01	mg/L	2.54E-05	mg/kg-day	8.00E-04	mg/kg-day	3.17E-02
				n-Propylbenzene	1.22E-02	mg/L	7.22E-04	mg/kg-day	--	mg/kg-day	--
				o-Xylene	6.86E-03	mg/L	2.04E-04	mg/kg-day	2.00E-01	mg/kg-day	1.02E-03
				Phenanthrene	2.00E-03	mg/L	1.93E-04	mg/kg-day	3.00E-01	mg/kg-day	6.44E-04
				Phenol	6.60E-03	mg/L	1.54E-05	mg/kg-day	3.00E-01	mg/kg-day	5.13E-05
				p-Isopropyltoluene	8.00E-04	mg/L	4.73E-05	mg/kg-day	--	mg/kg-day	--

TABLE F-7.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Dermal (bathing/ showering) (continued)	Pyrene	3.00E-03	mg/L	4.10E-04	mg/kg-day	3.00E-02	mg/kg-day	1.37E-02
				sec-Butylbenzene	5.00E-04	mg/L	2.95E-05	mg/kg-day	--	mg/kg-day	--
				Selenium	1.08E-02	mg/L	4.12E-06	mg/kg-day	1.50E-03	mg/kg-day	2.74E-03
				Silver	5.48E-03	mg/L	1.41E-06	mg/kg-day	2.00E-04	mg/kg-day	7.04E-03
				Tert-Butanol	4.21E-01	mg/L	3.37E-04	mg/kg-day	--	mg/kg-day	--
				tert-Butylbenzene	3.00E-04	mg/L	1.77E-05	mg/kg-day	4.00E-02	mg/kg-day	4.43E-04
				Tetrachloroethene	5.84E-03	mg/L	1.19E-04	mg/kg-day	1.00E-02	mg/kg-day	1.19E-02
				Thallium	8.12E-03	mg/L	3.42E-06	mg/kg-day	6.60E-05	mg/kg-day	5.19E-02
				Toluene	6.35E-03	mg/L	1.21E-04	mg/kg-day	2.00E-01	mg/kg-day	6.07E-04
				trans-1,2-Dichloroethene	1.16E-02	mg/L	2.36E-04	mg/kg-day	2.00E-02	mg/kg-day	1.18E-02
				Trichloroethene	1.00E+00	mg/L	6.63E-03	mg/kg-day	3.00E-04	mg/kg-day	2.21E+01
				Vanadium	2.85E-02	mg/L	1.63E-05	mg/kg-day	1.82E-04	mg/kg-day	8.93E-02
				Vinyl chloride	2.54E-02	mg/L	1.21E-04	mg/kg-day	3.00E-03	mg/kg-day	4.03E-02
				Xylene (Total)	1.75E-02	mg/L	5.92E-04	mg/kg-day	2.00E-01	mg/kg-day	2.96E-03
				Zinc	1.50E-01	mg/L	2.16E-05	mg/kg-day	3.00E-01	mg/kg-day	7.20E-05
			Exposure Route Total								**2.38E+01**
		Exposure Point Total									**3.01E+02**
	Exposure Medium Total										**3.01E+02**
	Air	Domestic Use of Groundwater Indoors	Inhalation (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/L	3.00E-04	mg/kg-day	6.30E-01	mg/kg-day	4.75E-04
				1,1,2-Trichloroethane	1.06E-02	mg/L	1.42E-04	mg/kg-day	4.00E-03	mg/kg-day	3.55E-02
				1,1-Dichlorethane	1.08E-01	mg/L	1.45E-03	mg/kg-day	1.40E-01	mg/kg-day	1.04E-02
				1,1-Dichlorethene	5.89E-01	mg/L	7.91E-03	mg/kg-day	5.71E-02	mg/kg-day	1.38E-01
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	1.52E-04	mg/kg-day	1.70E-03	mg/kg-day	8.93E-02
				1,2-Dichlorobenzene	1.34E-02	mg/L	1.79E-04	mg/kg-day	5.70E-02	mg/kg-day	3.15E-03
				1,2-Dichlorethane	1.25E-02	mg/L	1.68E-04	mg/kg-day	6.86E-01	mg/kg-day	2.44E-04
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	3.94E-03	mg/kg-day	1.00E-02	mg/kg-day	3.94E-01
				1,2-Dichloropropane	1.00E-04	mg/L	1.34E-06	mg/kg-day	1.10E-03	mg/kg-day	1.22E-03
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	1.43E-04	mg/kg-day	1.70E-03	mg/kg-day	8.39E-02
				1,3-Dichlorobenzene	4.50E-03	mg/L	6.04E-05	mg/kg-day	3.00E-02	mg/kg-day	2.01E-03
				1,4-Dichlorobenzene	6.42E-03	mg/L	8.62E-05	mg/kg-day	2.29E-01	mg/kg-day	3.77E-04
				2-Butanone	7.10E-02	mg/L	9.53E-04	mg/kg-day	1.43E+00	mg/kg-day	6.67E-04
				2-Hexanone	2.00E-03	mg/L	2.68E-05	mg/kg-day	8.60E-01	mg/kg-day	3.12E-05
				2-MethylNaphthalene	7.00E-04	mg/L	9.40E-06	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/L	3.89E-04	mg/kg-day	8.60E-01	mg/kg-day	4.53E-04
				Acenaphthene	2.00E-03	mg/L	2.68E-05	mg/kg-day	6.00E-02	mg/kg-day	4.47E-04
				Acenaphthylene	2.00E-03	mg/L	2.68E-05	mg/kg-day	6.00E-02	mg/kg-day	4.47E-04
				Acetone	1.65E+00	mg/L	2.22E-02	mg/kg-day	9.00E-01	mg/kg-day	2.47E-02
				Benzene	1.59E-02	mg/L	2.13E-04	mg/kg-day	8.57E-03	mg/kg-day	2.49E-02

TABLE F-7.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Domestic Use of Groundwater Indoors (continued)	Inhalation (bathing/ showering) (continued)	Bromodichloromethane	7.10E-03	mg/L	9.53E-05	mg/kg-day	2.00E-02	mg/kg-day	4.77E-03
				Carbon disulfide	7.53E-03	mg/L	1.01E-04	mg/kg-day	2.00E-01	mg/kg-day	5.05E-04
				Chlorobenzene	6.07E-03	mg/L	8.15E-05	mg/kg-day	1.71E-02	mg/kg-day	4.76E-03
				Chloroethane	1.23E-02	mg/L	1.66E-04	mg/kg-day	2.90E+00	mg/kg-day	5.72E-05
				Chloroform	7.44E-03	mg/L	9.99E-05	mg/kg-day	1.40E-04	mg/kg-day	7.14E-01
				Chloromethane	7.26E-03	mg/L	9.75E-05	mg/kg-day	2.57E-02	mg/kg-day	3.79E-03
				cis-1,2-Dichloroethene	5.55E-02	mg/L	7.45E-04	mg/kg-day	1.00E-02	mg/kg-day	7.45E-02
				Cyanide	6.60E-02	mg/L	8.86E-04	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	7.18E-03	mg/L	9.65E-05	mg/kg-day	2.86E-01	mg/kg-day	3.38E-04
				Fluorene	1.00E-03	mg/L	1.34E-05	mg/kg-day	4.00E-02	mg/kg-day	3.36E-04
				Hexachlorobutadiene	4.00E-04	mg/L	5.37E-06	mg/kg-day	3.00E-04	mg/kg-day	1.79E-02
				Isopropylbenzene	5.50E-03	mg/L	7.38E-05	mg/kg-day	1.10E-01	mg/kg-day	6.71E-04
				m,p-Xylene	1.32E-02	mg/L	1.78E-04	mg/kg-day	2.86E-02	mg/kg-day	6.22E-03
				Methylene Chloride	9.90E-03	mg/L	1.33E-04	mg/kg-day	8.57E-01	mg/kg-day	1.55E-04
				Methyl-T-Butyl-ether	6.97E-03	mg/L	9.36E-05	mg/kg-day	8.57E-01	mg/kg-day	1.09E-04
				Naphthalene	3.35E-02	mg/L	4.50E-04	mg/kg-day	8.57E-04	mg/kg-day	5.24E-01
				n-Butylbenzene	2.40E-03	mg/L	3.22E-05	mg/kg-day	1.14E-02	mg/kg-day	2.82E-03
				n-propylbenzene	1.22E-02	mg/L	1.64E-04	mg/kg-day	4.00E-02	mg/kg-day	4.10E-03
				o-Xylene	6.86E-03	mg/L	9.21E-05	mg/kg-day	2.86E-02	mg/kg-day	3.22E-03
				Phenanthrene	2.00E-03	mg/L	2.68E-05	mg/kg-day	3.00E-01	mg/kg-day	8.95E-05
				Pyrene	3.00E-03	mg/L	4.03E-05	mg/kg-day	3.00E-02	mg/kg-day	1.34E-03
				sec-Butylbenzene	5.00E-04	mg/L	6.71E-06	mg/kg-day	1.14E-02	mg/kg-day	5.87E-04
				tert-Butylbenzene	3.00E-04	mg/L	4.03E-06	mg/kg-day	1.14E-02	mg/kg-day	3.52E-04
				trans-1,2-Dichloroethene	1.16E-02	mg/L	1.56E-04	mg/kg-day	2.00E-02	mg/kg-day	7.79E-03
				Tetrachloroethene	5.84E-03	mg/L	7.85E-05	mg/kg-day	1.71E-01	mg/kg-day	4.58E-04
				Toluene	6.35E-03	mg/L	8.52E-05	mg/kg-day	1.14E-01	mg/kg-day	7.46E-04
				Trichloroethene	1.00E+00	mg/L	1.34E-02	mg/kg-day	1.00E-02	mg/kg-day	1.34E+00
				Vinyl chloride	2.54E-02	mg/L	3.41E-04	mg/kg-day	2.86E-02	mg/kg-day	1.19E-02
				Xylene (Total)	1.75E-02	mg/L	2.35E-04	mg/kg-day	2.86E-02	mg/kg-day	8.22E-03
			Exposure Route Total								**3.55E+00**
		Exposure Point Total									**3.55E+00**
		Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-03	mg/m^3	1.30E-03	mg/kg-day	6.30E-01	mg/kg-day	2.06E-03
				1,1,2-Trichloroethane	4.59E-05	mg/m^3	2.95E-05	mg/kg-day	4.00E-03	mg/kg-day	7.39E-03
				1,1-Dichlorethane	3.16E-03	mg/m^3	2.04E-03	mg/kg-day	1.40E-01	mg/kg-day	1.45E-02
				1,1-Dichlorethene	9.92E-02	mg/m^3	6.39E-02	mg/kg-day	5.71E-02	mg/kg-day	1.12E+00
				1,2,4-Trimethylbenzene	2.33E-04	mg/m^3	1.50E-04	mg/kg-day	1.70E-03	mg/kg-day	8.85E-02
				1,2-Dichlorobenzene	9.49E-05	mg/m^3	6.12E-05	mg/kg-day	5.70E-02	mg/kg-day	1.07E-03
				1,2-Dichlorethane	7.70E-05	mg/m^3	4.96E-05	mg/kg-day	6.86E-01	mg/kg-day	7.24E-05

TABLE F-7.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	1,2-Dichlorethene (Total)	6.08E-03	mg/m^3	3.92E-03	mg/kg-day	1.00E-02	mg/kg-day	3.92E-01
				1,2-Dichloropropane	1.41E-06	mg/m^3	9.06E-07	mg/kg-day	1.10E-03	mg/kg-day	8.24E-04
				1,3,5-Trimethylbenzene	2.08E-04	mg/m^3	1.34E-04	mg/kg-day	1.70E-03	mg/kg-day	7.90E-02
				1,3-Dichlorobenzene	5.39E-05	mg/m^3	3.47E-05	mg/kg-day	3.00E-02	mg/kg-day	1.16E-03
				1,4-Dichlorobenzene	5.92E-05	mg/m^3	3.81E-05	mg/kg-day	2.29E-01	mg/kg-day	1.67E-04
				2-Butanone	2.35E-05	mg/m^3	1.52E-05	mg/kg-day	1.43E+00	mg/kg-day	1.06E-05
				2-Hexanone	1.31E-06	mg/m^3	8.46E-07	mg/kg-day	8.60E-01	mg/kg-day	9.83E-07
				2-MethylNaphthalene	8.28E-07	mg/m^3	5.33E-07	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-05	mg/m^3	1.23E-05	mg/kg-day	8.60E-01	mg/kg-day	1.43E-05
				Acenaphthene	6.52E-07	mg/m^3	4.20E-07	mg/kg-day	6.00E-02	mg/kg-day	7.00E-06
				Acenaphthylene	6.52E-07	mg/m^3	4.20E-07	mg/kg-day	6.00E-02	mg/kg-day	7.00E-06
				Acetone	5.45E-04	mg/m^3	3.51E-04	mg/kg-day	9.00E-01	mg/kg-day	3.90E-04
				Benzene	5.01E-04	mg/m^3	3.23E-04	mg/kg-day	8.57E-03	mg/kg-day	3.77E-02
				Bromodichloromethane	2.55E-05	mg/m^3	1.65E-05	mg/kg-day	2.00E-02	mg/kg-day	8.23E-04
				Carbon disulfide	1.61E-03	mg/m^3	1.04E-03	mg/kg-day	2.00E-01	mg/kg-day	5.18E-03
				Chlorobenzene	9.89E-05	mg/m^3	6.37E-05	mg/kg-day	1.71E-02	mg/kg-day	3.72E-03
				Chloroethane	1.47E-03	mg/m^3	9.46E-04	mg/kg-day	2.90E+00	mg/kg-day	3.26E-04
				Chloroform	1.82E-04	mg/m^3	1.17E-04	mg/kg-day	1.40E-04	mg/kg-day	8.39E-01
				Chloromethane	5.88E-04	mg/m^3	3.79E-04	mg/kg-day	2.57E-02	mg/kg-day	1.47E-02
				cis-1,2-Dichloroethene	1.15E-03	mg/m^3	7.41E-04	mg/kg-day	1.00E-02	mg/kg-day	7.41E-02
				Cyanide	9.60E-05	mg/m^3	6.18E-05	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	2.48E-04	mg/m^3	1.60E-04	mg/kg-day	2.86E-01	mg/kg-day	5.60E-04
				Fluorene	1.34E-07	mg/m^3	8.64E-08	mg/kg-day	4.00E-02	mg/kg-day	2.16E-06
				Hexachlorobutadiene	9.57E-06	mg/m^3	6.17E-06	mg/kg-day	3.00E-04	mg/kg-day	2.06E-02
				Isopropylbenzene	2.12E-02	mg/m^3	1.37E-02	mg/kg-day	1.10E-01	mg/kg-day	1.24E-01
				m,p-Xylene	4.52E-04	mg/m^3	2.91E-04	mg/kg-day	2.86E-02	mg/kg-day	1.02E-02
				Methylene Chloride	1.47E-04	mg/m^3	9.46E-05	mg/kg-day	8.57E-01	mg/kg-day	1.10E-04
				Methyl-T-Butyl-ether	2.95E-05	mg/m^3	1.90E-05	mg/kg-day	8.57E-01	mg/kg-day	2.22E-05
				Naphthalene	5.03E-05	mg/m^3	3.24E-05	mg/kg-day	8.57E-04	mg/kg-day	3.78E-02
				n-Butylbenzene	9.94E-05	mg/m^3	6.41E-05	mg/kg-day	1.14E-02	mg/kg-day	5.61E-03
				n-propylbenzene	4.44E-04	mg/m^3	2.86E-04	mg/kg-day	4.00E-02	mg/kg-day	7.15E-03
				o-Xylene	1.73E-04	mg/m^3	1.11E-04	mg/kg-day	2.86E-02	mg/kg-day	3.90E-03
				Phenanthrene	1.75E-07	mg/m^3	1.13E-07	mg/kg-day	3.00E-01	mg/kg-day	3.77E-07
				Pyrene	6.77E-08	mg/m^3	4.36E-08	mg/kg-day	3.00E-02	mg/kg-day	1.45E-06
				sec-Butylbenzene	5.50E-08	mg/m^3	3.54E-08	mg/kg-day	1.14E-02	mg/kg-day	3.10E-06
				tert-Butylbenzene	1.30E-05	mg/m^3	8.37E-06	mg/kg-day	1.14E-02	mg/kg-day	7.32E-04
				trans-1,2-Dichloroethene	9.43E-04	mg/m^3	6.08E-04	mg/kg-day	2.00E-02	mg/kg-day	3.04E-02
				Tetrachloroethene	4.75E-04	mg/m^3	3.06E-04	mg/kg-day	1.71E-01	mg/kg-day	1.78E-03
				Toluene	2.22E-04	mg/m^3	1.43E-04	mg/kg-day	1.14E-01	mg/kg-day	1.25E-03

TABLE F-7.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	Trichloroethene	5.23E-02	mg/m^3	3.37E-02	mg/kg-day	1.00E-02	mg/kg-day	3.37E+00
				Vinyl chloride	5.47E-03	mg/m^3	3.52E-03	mg/kg-day	2.86E-02	mg/kg-day	1.23E-01
				Xylene (Total)	5.96E-04	mg/m^3	3.84E-04	mg/kg-day	2.86E-02	mg/kg-day	1.35E-02
			Exposure Route Total								**6.43E+00**
		Exposure Point Total									**6.43E+00**
	Exposure Medium Total										**9.98E+00**
Medium Total											**3.11E+02**
										Total of Receptor Hazards Across All Media	**3.13E+02**

Notes:

--	Not applicable or not available
EPA	U.S. Evnironmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligram per kilogram
mg/kg-day	Milligram per kilogram per day
mg/L	Milligram per liter
mg/m^3	Milligram per cubic meter
RAGS	Risk Assessment Guidelines for Superfund
RfD	Reference dose
RfC	Reference concentration
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile Organic Compound

See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-6.3.1.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
CURRENT INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Ingestion	2-Methylnaphthalene	2.67E-02	mg/kg	9.34E-09	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	4.50E+01	mg/kg	1.57E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	7.18E-02	mg/kg	2.51E-08	mg/kg-day	--	--	--
				Acenaphthylene	2.34E-02	mg/kg	8.19E-09	mg/kg-day	--	--	--
				Aluminum	9.49E+03	mg/kg	3.32E-03	mg/kg-day	--	--	--
				Anthracene	1.87E-01	mg/kg	6.54E-08	mg/kg-day	--	--	--
				Antimony	1.99E+00	mg/kg	6.96E-07	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	1.05E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.10E-08
				Aroclor-1260	2.30E-01	mg/kg	8.04E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.61E-07
				Arsenic	2.37E+00	mg/kg	8.29E-07	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.24E-06
				Barium	4.47E+01	mg/kg	1.56E-05	mg/kg-day	--	--	--
				Benzo(a)anthracene	6.91E-01	mg/kg	2.41E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.76E-07
				Benzo(a)pyrene	1.42E+00	mg/kg	4.95E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	3.61E-06
				Benzo(b)fluoranthene	5.04E-01	mg/kg	1.76E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.29E-07
				Benzo(g,h,i)perylene	1.81E-01	mg/kg	6.33E-08	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.50E-01	mg/kg	8.74E-08	mg/kg-day	7.30E-02	(mg/kg-day)-1	6.38E-09
				Beryllium	1.02E+00	mg/kg	3.55E-07	mg/kg-day	--	--	--
				Cadmium	4.32E+00	mg/kg	1.51E-06	mg/kg-day	--	--	--
				Chromium	4.11E+01	mg/kg	1.44E-05	mg/kg-day	--	--	--
				Chrysene	7.42E-01	mg/kg	2.59E-07	mg/kg-day	7.30E-03	(mg/kg-day)-1	1.89E-09
				Cobalt	1.18E+01	mg/kg	4.11E-06	mg/kg-day	--	--	--
				Copper	3.37E+01	mg/kg	1.18E-05	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	8.17E-02	mg/kg	2.86E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.08E-07
				Fluoranthene	1.27E+00	mg/kg	4.43E-07	mg/kg-day	--	--	--
				Fluorene	7.38E-02	mg/kg	2.58E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.73E-01	mg/kg	9.55E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	6.97E-08
				Iron	1.54E+04	mg/kg	5.37E-03	mg/kg-day	--	--	--
				Lead	7.08E+01	mg/kg	2.47E-05	mg/kg-day	--	--	--
				Manganese	2.72E+02	mg/kg	9.50E-05	mg/kg-day	--	--	--
				Mercury	2.97E-01	mg/kg	1.04E-07	mg/kg-day	--	--	--
				Naphthalene	3.29E-02	mg/kg	1.15E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	1.38E-09
				Nickel	2.98E+01	mg/kg	1.04E-05	mg/kg-day	--	--	--
				Phenanthrene	7.58E-01	mg/kg	2.65E-07	mg/kg-day	--	--	--
				Pyrene	1.21E+00	mg/kg	4.21E-07	mg/kg-day	--	--	--
				Selenium	2.80E-01	mg/kg	9.78E-08	mg/kg-day	--	--	--
				Silver	5.82E-01	mg/kg	2.04E-07	mg/kg-day	--	--	--
				Thallium	7.46E-01	mg/kg	2.61E-07	mg/kg-day	--	--	--
				Vanadium	3.46E+01	mg/kg	1.21E-05	mg/kg-day	--	--	--
				Zinc	5.87E+01	mg/kg	2.05E-05	mg/kg-day	--	--	--
			Exposure Route Total								**5.63E-06**

TABLE F-8.3.1.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
CURRENT INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Dermal	2-Methylnaphthalene	2.67E-02	mg/kg	6.2E-10	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	4.50E+01	mg/kg	1.0E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	7.18E-02	mg/kg	2.2E-08	mg/kg-day	--	--	--
				Acenaphthylene	2.34E-02	mg/kg	5.4E-10	mg/kg-day	--	--	--
				Aluminum	9.49E+03	mg/kg	2.2E-05	mg/kg-day	--	--	--
				Anthracene	1.87E-01	mg/kg	5.6E-08	mg/kg-day	--	--	--
				Antimony	1.99E+00	mg/kg	4.6E-09	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	9.7E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.94E-08
				Aroclor-1260	2.30E-01	mg/kg	7.4E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.49E-07
				Arsenic	2.37E+00	mg/kg	1.6E-07	mg/kg-day	1.50E+00	(mg/kg-day)-1	2.46E-07
				Barium	4.47E+01	mg/kg	1.0E-07	mg/kg-day	--	--	--
				Benzo(a)anthracene	6.91E-01	mg/kg	2.1E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.51E-07
				Benzo(a)pyrene	1.42E+00	mg/kg	4.2E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	3.10E-06
				Benzo(b)fluoranthene	5.04E-01	mg/kg	1.5E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.10E-07
				Benzo(g,h,i)perylene	1.81E-01	mg/kg	5.4E-08	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.50E-01	mg/kg	7.5E-08	mg/kg-day	7.30E-02	(mg/kg-day)-1	5.47E-09
				Beryllium	1.02E+00	mg/kg	2.3E-09	mg/kg-day	--	--	--
				Cadmium	4.32E+00	mg/kg	1.0E-08	mg/kg-day	--	--	--
				Chromium	4.11E+01	mg/kg	9.5E-08	mg/kg-day	--	--	--
				Chrysene	7.42E-01	mg/kg	2.2E-07	mg/kg-day	7.30E-03	(mg/kg-day)-1	1.62E-09
				Cobalt	1.18E+01	mg/kg	2.7E-08	mg/kg-day	--	--	--
				Copper	3.37E+01	mg/kg	7.8E-08	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	8.17E-02	mg/kg	2.5E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.79E-07
				Fluoranthene	1.27E+00	mg/kg	3.8E-07	mg/kg-day	--	--	--
				Fluorene	7.38E-02	mg/kg	2.2E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.73E-01	mg/kg	8.2E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	5.98E-08
				Iron	1.54E+04	mg/kg	3.5E-05	mg/kg-day	--	--	--
				Lead	7.08E+01	mg/kg	1.6E-07	mg/kg-day	--	--	--
				Manganese	2.72E+02	mg/kg	6.3E-07	mg/kg-day	--	--	--
				Mercury	2.97E-01	mg/kg	--	mg/kg-day	--	--	--
				Naphthalene	3.29E-02	mg/kg	9.9E-09	mg/kg-day	1.20E-01	(mg/kg-day)-1	1.18E-09
				Nickel	2.98E+01	mg/kg	6.9E-08	mg/kg-day	--	--	--
				Phenanthrene	7.58E-01	mg/kg	1.7E-08	mg/kg-day	--	--	--
				Pyrene	1.21E+00	mg/kg	3.6E-07	mg/kg-day	--	--	--
				Selenium	2.80E-01	mg/kg	6.5E-10	mg/kg-day	--	--	--
				Silver	5.82E-01	mg/kg	1.3E-09	mg/kg-day	--	--	--
				Thallium	7.46E-01	mg/kg	--	mg/kg-day	--	--	--
				Vanadium	3.46E+01	mg/kg	8.0E-08	mg/kg-day	--	--	--
				Zinc	5.87E+01	mg/kg	1.4E-07	mg/kg-day	--	--	--
			Exposure Route Total								4.02E-06
		Exposure Point Total									9.65E-06
	Exposure Medium Total										9.65E-06

TABLE F-6.3.1.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
CURRENT INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (continued)	Air	Outdoor Air	Inhalation (particulates or VOCs)	2-Methylnaphthalene	1.89E-07	mg/m^3	1.3E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.80E-03	mg/m^3	1.3E-04	mg/kg-day	--	--	--
				Acenaphthene	3.99E-07	mg/m^3	2.8E-08	mg/kg-day	--	--	--
				Acenaphthylene	1.30E-07	mg/m^3	9.1E-09	mg/kg-day	--	--	--
				Aluminum	7.19E-06	mg/m^3	5.0E-07	mg/kg-day	--	--	--
				Anthracene	2.67E-07	mg/m^3	1.9E-08	mg/kg-day	--	--	--
				Antimony	1.51E-09	mg/m^3	1.1E-10	mg/kg-day	--	--	--
				Aroclor-1254	2.27E-11	mg/m^3	1.6E-12	mg/kg-day	2.00E+00	(mg/kg-day)-1	3.18E-12
				Aroclor-1260	1.74E-10	mg/m^3	1.2E-11	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.44E-11
				Arsenic	1.80E-09	mg/m^3	1.3E-10	mg/kg-day	1.50E+01	(mg/kg-day)-1	1.88E-09
				Barium	3.39E-08	mg/m^3	2.4E-09	mg/kg-day	--	--	--
				Benzo(a)anthracene	5.23E-10	mg/m^3	3.7E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.67E-11
				Benzo(a)pyrene	1.07E-09	mg/m^3	7.5E-11	mg/kg-day	7.30E+00	(mg/kg-day)-1	5.47E-10
				Benzo(b)fluoranthene	3.82E-10	mg/m^3	2.7E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.95E-11
				Benzo(g,h,i)perylene	1.37E-10	mg/m^3	9.6E-12	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	1.89E-10	mg/m^3	1.3E-11	mg/kg-day	7.30E-02	(mg/kg-day)-1	9.67E-13
				Beryllium	7.70E-10	mg/m^3	5.4E-11	mg/kg-day	8.40E+00	(mg/kg-day)-1	4.52E-10
				Cadmium	3.27E-09	mg/m^3	2.3E-10	mg/kg-day	6.30E+00	(mg/kg-day)-1	1.44E-09
				Chromium	3.11E-08	mg/m^3	2.2E-09	mg/kg-day	--	--	--
				Chrysene	5.62E-10	mg/m^3	3.9E-11	mg/kg-day	7.30E-03	(mg/kg-day)-1	2.87E-13
				Cobalt	8.90E-09	mg/m^3	6.2E-10	mg/kg-day	9.80E+00	(mg/kg-day)-1	6.10E-09
				Copper	2.55E-08	mg/m^3	1.8E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	6.19E-11	mg/m^3	4.3E-12	mg/kg-day	7.30E+00	(mg/kg-day)-1	3.16E-11
				Fluoranthene	9.61E-10	mg/m^3	6.7E-11	mg/kg-day	--	--	--
				Fluorene	2.05E-07	mg/m^3	1.4E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.07E-10	mg/m^3	1.4E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.06E-11
				Iron	1.16E-05	mg/m^3	8.1E-07	mg/kg-day	--	--	--
				Lead	5.36E-08	mg/m^3	3.7E-09	mg/kg-day	--	--	--
				Manganese	2.06E-07	mg/m^3	1.4E-08	mg/kg-day	--	--	--
				Mercury	2.25E-10	mg/m^3	1.6E-11	mg/kg-day	--	--	--
				Naphthalene	7.65E-07	mg/m^3	5.3E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	6.42E-09
				Nickel	2.25E-08	mg/m^3	1.6E-09	mg/kg-day	--	--	--
				Phenanthrene	5.07E-07	mg/m^3	3.5E-08	mg/kg-day	--	--	--
				Pyrene	3.17E-07	mg/m^3	2.2E-08	mg/kg-day	--	--	--
				Selenium	2.12E-10	mg/m^3	1.5E-11	mg/kg-day	--	--	--

TABLE F-8.3.1.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
CURRENT INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (continued)	Air (continued)	Outdoor Air (continued)	Inhalation (particulates or VOCs) (continued)	Silver	4.41E-10	mg/m^3	3.1E-11	mg/kg-day	--	--	--
				Thallium	5.65E-10	mg/m^3	3.9E-11	mg/kg-day	--	--	--
				Vanadium	2.62E-08	mg/m^3	1.8E-09	mg/kg-day	--	--	--
				Zinc	4.44E-08	mg/m^3	3.1E-09	mg/kg-day	--	--	--
			Exposure Route Total								**1.70E-08**
		Exposure Point Total									**1.70E-08**
	Exposure Medium Total										**1.70E-08**
Medium Total											**9.67E-06**
Groundwater	Groundwater	Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-03	mg/m^3	1.41E-04	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	4.59E-05	mg/m^3	3.20E-06	mg/kg-day	5.60E-02	(mg/kg-day)-1	1.79E-07
				1,1-Dichlorethane	3.16E-03	mg/m^3	2.21E-04	mg/kg-day	5.70E-03	(mg/kg-day)-1	1.26E-06
				1,1-Dichlorethene	9.92E-02	mg/m^3	6.93E-03	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	2.33E-04	mg/m^3	1.63E-05	mg/kg-day	--	--	--
				1,2-Dichlorobenzene	9.49E-05	mg/m^3	6.63E-06	mg/kg-day	--	--	--
				1,2-Dichlorethane	7.70E-05	mg/m^3	5.38E-06	mg/kg-day	9.10E-02	(mg/kg-day)-1	4.90E-07
				1,2-Dichlorethene (Total)	6.08E-03	mg/m^3	4.25E-04	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.41E-06	mg/m^3	9.83E-08	mg/kg-day	6.80E-02	(mg/kg-day)-1	6.68E-09
				1,3,5-Trimethylbenzene	2.08E-04	mg/m^3	1.46E-05	mg/kg-day	--	--	--
				1,3-Dichlorobenzene	5.39E-05	mg/m^3	3.77E-06	mg/kg-day	--	--	--
				1,4-Dichlorobenzene	5.92E-05	mg/m^3	4.14E-06	mg/kg-day	2.20E-02	(mg/kg-day)-1	9.10E-08
				2-Butanone	2.35E-05	mg/m^3	1.64E-06	mg/kg-day	--	--	--
				2-Hexanone	1.31E-06	mg/m^3	9.17E-08	mg/kg-day	--	--	--
				2-MethylNaphthalene	8.28E-07	mg/m^3	5.78E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-05	mg/m^3	1.33E-06	mg/kg-day	--	--	--
				Acenaphthene	6.52E-07	mg/m^3	4.56E-08	mg/kg-day	--	--	--
				Acenaphthylene	6.52E-07	mg/m^3	4.56E-08	mg/kg-day	--	--	--
				Acetone	5.45E-04	mg/m^3	3.81E-05	mg/kg-day	--	--	--
				Benzene	5.01E-04	mg/m^3	3.50E-05	mg/kg-day	2.70E-02	(mg/kg-day)-1	9.45E-07
				Bromodichloromethane	2.55E-05	mg/m^3	1.78E-06	mg/kg-day	6.20E-02	(mg/kg-day)-1	1.11E-07
				Carbon disulfide	1.61E-03	mg/m^3	1.12E-04	mg/kg-day	--	--	--
				Chlorobenzene	9.89E-05	mg/m^3	6.91E-06	mg/kg-day	--	--	--
				Chloroethane	1.47E-03	mg/m^3	1.03E-04	mg/kg-day	2.90E-03	(mg/kg-day)-1	2.98E-07
				Chloroform	1.82E-04	mg/m^3	1.27E-05	mg/kg-day	8.05E-02	(mg/kg-day)-1	1.03E-06
				Chloromethane	5.88E-04	mg/m^3	4.11E-05	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	1.15E-03	mg/m^3	8.03E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Cyanide	9.60E-05	mg/m^3	6.71E-06	mg/kg-day	--	--	--
				Ethylbenzene	2.48E-04	mg/m^3	1.74E-05	mg/kg-day	--	--	--
				Fluorene	1.34E-07	mg/m^3	9.37E-09	mg/kg-day	--	--	--
				Hexachlorobutadiene	9.57E-06	mg/m^3	6.69E-07	mg/kg-day	7.80E-02	(mg/kg-day)-1	5.22E-08
				Isopropylbenzene	2.12E-02	mg/m^3	1.48E-03	mg/kg-day	--	--	--
				m,p-Xylene	4.52E-04	mg/m^3	3.16E-05	mg/kg-day	--	--	--
				Methylene Chloride	1.47E-04	mg/m^3	1.03E-05	mg/kg-day	1.65E-03	(mg/kg-day)-1	1.69E-08

TABLE F-6.3.1.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
CURRENT INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	Methyl-T-Butyl-ether	2.95E-05	mg/m^3	2.07E-06	mg/kg-day	9.10E-04	(mg/kg-day)-1	1.88E-09
				Naphthalene	5.03E-05	mg/m^3	3.51E-06	mg/kg-day	1.20E-01	(mg/kg-day)-1	4.22E-07
				n-Butylbenzene	9.94E-05	mg/m^3	6.95E-06	mg/kg-day	--	--	--
				n-propylbenzene	4.44E-04	mg/m^3	3.10E-05	mg/kg-day	--	--	--
				o-Xylene	1.73E-04	mg/m^3	1.21E-05	mg/kg-day	--	--	--
				Phenanthrene	1.75E-07	mg/m^3	1.23E-08	mg/kg-day	--	--	--
				Pyrene	6.77E-08	mg/m^3	4.73E-09	mg/kg-day	--	--	--
				sec-Butylbenzene	5.50E-08	mg/m^3	3.84E-09	mg/kg-day	--	--	--
				tert-Butylbenzene	1.30E-05	mg/m^3	9.08E-07	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	9.43E-04	mg/m^3	6.59E-05	mg/kg-day	--	--	--
				Tetrachloroethene	4.75E-04	mg/m^3	3.32E-05	mg/kg-day	2.10E-02	(mg/kg-day)-1	6.97E-07
				Toluene	2.22E-04	mg/m^3	1.55E-05	mg/kg-day	--	--	--
				Trichloroethene	5.23E-02	mg/m^3	3.66E-03	mg/kg-day	4.00E-01	(mg/kg-day)-1	1.46E-03
				Vinyl chloride	5.47E-03	mg/m^3	3.82E-04	mg/kg-day	1.60E-02	(mg/kg-day)-1	6.12E-06
				Xylene (Total)	5.96E-04	mg/m^3	4.17E-05	mg/kg-day	--	--	--
			Exposure Route Total								**1.47E-03**
		Exposure Point Total									**1.47E-03**
	Exposure Medium Total										**1.47E-03**
Medium Total											**1.47E-03**
										Total of Receptor Hazards Across All Media	**1.48E-03**

Notes:

--	Not applicable or not available
CSF	Cancer slope factor
EPA	U.S. Environmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligram per kilogram
mg/kg-day	Milligram per kilogram per day
(mg/kg-day)-1	1/(Milligram per kilogram per day)
mg/L	Milligram per liter
mg/m^3	Milligram per cubic meter
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile Organic Compound

See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-8.3.2.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Ingestion	2-Methylnaphthalene	2.67E-02	mg/kg	1.23E-09	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	4.50E+01	mg/kg	2.08E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	7.18E-02	mg/kg	3.31E-09	mg/kg-day	--	--	--
				Acenaphthylene	2.34E-02	mg/kg	1.08E-09	mg/kg-day	--	--	--
				Aluminum	9.49E+03	mg/kg	4.38E-04	mg/kg-day	--	--	--
				Anthracene	1.87E-01	mg/kg	8.63E-09	mg/kg-day	--	--	--
				Antimony	1.99E+00	mg/kg	9.19E-08	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	1.38E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.77E-09
				Aroclor-1260	2.30E-01	mg/kg	1.06E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.12E-08
				Arsenic	2.37E+00	mg/kg	1.09E-07	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.64E-07
				Barium	4.47E+01	mg/kg	2.06E-06	mg/kg-day	--	--	--
				Benzo(a)anthracene	6.91E-01	mg/kg	3.19E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.33E-08
				Benzo(a)pyrene	1.42E+00	mg/kg	6.53E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	4.77E-07
				Benzo(b)fluoranthene	5.04E-01	mg/kg	2.32E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.70E-08
				Benzo(g,h,i)perylene	1.81E-01	mg/kg	8.36E-09	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.50E-01	mg/kg	1.15E-08	mg/kg-day	7.30E-02	(mg/kg-day)-1	8.42E-10
				Beryllium	1.02E+00	mg/kg	4.69E-08	mg/kg-day	--	--	--
				Cadmium	4.32E+00	mg/kg	1.99E-07	mg/kg-day	--	--	--
				Chromium	4.11E+01	mg/kg	1.90E-06	mg/kg-day	--	--	--
				Chrysene	7.42E-01	mg/kg	3.42E-08	mg/kg-day	7.30E-03	(mg/kg-day)-1	2.50E-10
				Cobalt	1.18E+01	mg/kg	5.42E-07	mg/kg-day	--	--	--
				Copper	3.37E+01	mg/kg	1.55E-06	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	8.17E-02	mg/kg	3.77E-09	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.75E-08
				Fluoranthene	1.27E+00	mg/kg	5.85E-08	mg/kg-day	--	--	--
				Fluorene	7.38E-02	mg/kg	3.40E-09	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.73E-01	mg/kg	1.26E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	9.20E-09
				Iron	1.54E+04	mg/kg	7.09E-04	mg/kg-day	--	--	--
				Lead	7.08E+01	mg/kg	3.27E-06	mg/kg-day	--	--	--
				Manganese	2.72E+02	mg/kg	1.25E-05	mg/kg-day	--	--	--
				Mercury	2.97E-01	mg/kg	1.37E-08	mg/kg-day	--	--	--
				Naphthalene	3.29E-02	mg/kg	1.52E-09	mg/kg-day	1.20E-01	(mg/kg-day)-1	1.82E-10
				Nickel	2.98E+01	mg/kg	1.37E-06	mg/kg-day	--	--	--
				Phenanthrene	7.58E-01	mg/kg	3.50E-08	mg/kg-day	--	--	--
				Pyrene	1.21E+00	mg/kg	5.56E-08	mg/kg-day	--	--	--
				Selenium	2.80E-01	mg/kg	1.29E-08	mg/kg-day	--	--	--
				Silver	5.82E-01	mg/kg	2.69E-08	mg/kg-day	--	--	--
				Thallium	7.46E-01	mg/kg	3.44E-08	mg/kg-day	--	--	--
				Vanadium	3.46E+01	mg/kg	1.60E-06	mg/kg-day	--	--	--
				Zinc	5.87E+01	mg/kg	2.71E-06	mg/kg-day	--	--	--
			Exposure Route Total								**7.43E-07**
			Dermal	2-Methylnaphthalene	2.67E-02	mg/kg	3.7E-11	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	4.50E+01	mg/kg	6.2E-08	mg/kg-day	--	(mg/kg-day)-1	--

TABLE F-6.3.2.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Dermal (continued)	Acenaphthene	7.18E-02	mg/kg	1.3E-09	mg/kg-day	--	--	--
				Acenaphthylene	2.34E-02	mg/kg	3.2E-11	mg/kg-day	--	--	--
				Aluminum	9.49E+03	mg/kg	1.3E-06	mg/kg-day	--	--	--
				Anthracene	1.87E-01	mg/kg	3.4E-09	mg/kg-day	--	--	--
				Antimony	1.99E+00	mg/kg	2.8E-10	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	5.8E-10	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.16E-09
				Aroclor-1260	2.30E-01	mg/kg	4.5E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	8.91E-09
				Arsenic	2.37E+00	mg/kg	9.8E-09	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.48E-08
				Barium	4.47E+01	mg/kg	6.2E-09	mg/kg-day	--	--	--
				Benzo(a)anthracene	6.91E-01	mg/kg	1.2E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	9.07E-09
				Benzo(a)pyrene	1.42E+00	mg/kg	2.5E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.86E-07
				Benzo(b)fluoranthene	5.04E-01	mg/kg	9.1E-09	mg/kg-day	7.30E-01	(mg/kg-day)-1	6.62E-09
				Benzo(g,h,i)perylene	1.81E-01	mg/kg	3.3E-09	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.50E-01	mg/kg	4.5E-09	mg/kg-day	7.30E-02	(mg/kg-day)-1	3.28E-10
				Beryllium	1.02E+00	mg/kg	1.4E-10	mg/kg-day	--	--	--
				Cadmium	4.32E+00	mg/kg	6.0E-10	mg/kg-day	--	--	--
				Chromium	4.11E+01	mg/kg	5.7E-09	mg/kg-day	--	--	--
				Chrysene	7.42E-01	mg/kg	1.3E-08	mg/kg-day	7.30E-03	(mg/kg-day)-1	9.74E-11
				Cobalt	1.18E+01	mg/kg	1.6E-09	mg/kg-day	--	--	--
				Copper	3.37E+01	mg/kg	4.7E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	8.17E-02	mg/kg	1.5E-09	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.07E-08
				Fluoranthene	1.27E+00	mg/kg	2.3E-08	mg/kg-day	--	--	--
				Fluorene	7.38E-02	mg/kg	1.3E-09	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.73E-01	mg/kg	4.9E-09	mg/kg-day	7.30E-01	(mg/kg-day)-1	3.59E-09
				Iron	1.54E+04	mg/kg	2.1E-06	mg/kg-day	--	--	--
				Lead	7.08E+01	mg/kg	9.8E-09	mg/kg-day	--	--	--
				Manganese	2.72E+02	mg/kg	3.8E-08	mg/kg-day	--	--	--
				Mercury	2.97E-01	mg/kg	--	mg/kg-day	--	--	--
				Naphthalene	3.29E-02	mg/kg	5.9E-10	mg/kg-day	1.20E-01	(mg/kg-day)-1	7.10E-11
				Nickel	2.98E+01	mg/kg	4.1E-09	mg/kg-day	--	--	--
				Phenanthrene	7.58E-01	mg/kg	1.0E-09	mg/kg-day	--	--	--
				Pyrene	1.21E+00	mg/kg	2.2E-08	mg/kg-day	--	--	--
				Selenium	2.80E-01	mg/kg	3.9E-11	mg/kg-day	--	--	--
				Silver	5.82E-01	mg/kg	8.1E-11	mg/kg-day	--	--	--
				Thallium	7.46E-01	mg/kg	--	mg/kg-day	--	--	--
				Vanadium	3.46E+01	mg/kg	4.8E-09	mg/kg-day	--	--	--
				Zinc	5.87E+01	mg/kg	8.1E-09	mg/kg-day	--	--	--
			Exposure Route Total								2.41E-07
		Exposure Point Total									9.84E-07
	Exposure Medium Total										9.84E-07

TABLE F-8.3.2.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (continued)	Air	Outdoor Air	Inhalation (particulates or VOCs)	2-Methylnaphthalene	1.89E-07	mg/m^3	5.3E-10	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.80E-03	mg/m^3	5.0E-06	mg/kg-day	--	--	--
				Acenaphthene	3.99E-07	mg/m^3	1.1E-09	mg/kg-day	--	--	--
				Acenaphthylene	1.30E-07	mg/m^3	3.6E-10	mg/kg-day	--	--	--
				Aluminum	7.19E-06	mg/m^3	2.0E-08	mg/kg-day	--	--	--
				Anthracene	2.67E-07	mg/m^3	7.5E-10	mg/kg-day	--	--	--
				Antimony	1.51E-09	mg/m^3	4.2E-12	mg/kg-day	--	--	--
				Aroclor-1254	2.27E-11	mg/m^3	6.4E-14	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.27E-13
				Aroclor-1260	1.74E-10	mg/m^3	4.9E-13	mg/kg-day	2.00E+00	(mg/kg-day)-1	9.74E-13
				Arsenic	1.80E-09	mg/m^3	5.0E-12	mg/kg-day	1.50E+01	(mg/kg-day)-1	7.54E-11
				Barium	3.39E-08	mg/m^3	9.5E-11	mg/kg-day	--	--	--
				Benzo(a)anthracene	5.23E-10	mg/m^3	1.5E-12	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.07E-12
				Benzo(a)pyrene	1.07E-09	mg/m^3	3.0E-12	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.19E-11
				Benzo(b)fluoranthene	3.82E-10	mg/m^3	1.1E-12	mg/kg-day	7.30E-01	(mg/kg-day)-1	7.79E-13
				Benzo(g,h,i)perylene	1.37E-10	mg/m^3	3.8E-13	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	1.89E-10	mg/m^3	5.3E-13	mg/kg-day	7.30E-02	(mg/kg-day)-1	3.87E-14
				Beryllium	7.70E-10	mg/m^3	2.2E-12	mg/kg-day	8.40E+00	(mg/kg-day)-1	1.81E-11
				Cadmium	3.27E-09	mg/m^3	9.1E-12	mg/kg-day	6.30E+00	(mg/kg-day)-1	5.76E-11
				Chromium	3.11E-08	mg/m^3	8.7E-11	mg/kg-day	--	--	--
				Chrysene	5.62E-10	mg/m^3	1.6E-12	mg/kg-day	7.30E-03	(mg/kg-day)-1	1.15E-14
				Cobalt	8.90E-09	mg/m^3	2.5E-11	mg/kg-day	9.80E+00	(mg/kg-day)-1	2.44E-10
				Copper	2.55E-08	mg/m^3	7.1E-11	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	6.19E-11	mg/m^3	1.7E-13	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.26E-12
				Fluoranthene	9.61E-10	mg/m^3	2.7E-12	mg/kg-day	--	--	--
				Fluorene	2.05E-07	mg/m^3	5.7E-10	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.07E-10	mg/m^3	5.8E-13	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.22E-13
				Iron	1.16E-05	mg/m^3	3.3E-08	mg/kg-day	--	--	--
				Lead	5.36E-08	mg/m^3	1.5E-10	mg/kg-day	--	--	--
				Manganese	2.06E-07	mg/m^3	5.8E-10	mg/kg-day	--	--	--
				Mercury	2.25E-10	mg/m^3	6.3E-13	mg/kg-day	--	--	--
				Naphthalene	7.65E-07	mg/m^3	2.1E-09	mg/kg-day	1.20E-01	(mg/kg-day)-1	2.57E-10
				Nickel	2.25E-08	mg/m^3	6.3E-11	mg/kg-day	--	--	--
				Phenanthrene	5.07E-07	mg/m^3	1.4E-09	mg/kg-day	--	--	--
				Pyrene	3.17E-07	mg/m^3	8.9E-10	mg/kg-day	--	--	--
				Selenium	2.12E-10	mg/m^3	5.9E-13	mg/kg-day	--	--	--

TABLE F-6.3.2.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (continued)	Air (continued)	Outdoor Air (continued)	Inhalation (particulates or VOCs) (continued)	Silver	4.41E-10	mg/m^3	1.2E-12	mg/kg-day	--	--	--
				Thallium	5.65E-10	mg/m^3	1.6E-12	mg/kg-day	--	--	--
				Vanadium	2.62E-08	mg/m^3	7.3E-11	mg/kg-day	--	--	--
				Zinc	4.44E-08	mg/m^3	1.2E-10	mg/kg-day	--	--	--
			Exposure Route Total								6.78E-10
		Exposure Point Total									6.78E-10
	Exposure Medium Total										6.78E-10
Medium Total											9.85E-07
Groundwater	Groundwater	Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.29E-04	mg/m3	6.41E-07	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	5.81E-06	mg/m3	1.62E-08	mg/kg-day	5.60E-02	(mg/kg-day)-1	9.10E-10
				1,1-Dichlorethane	3.45E-04	mg/m3	9.66E-07	mg/kg-day	5.70E-03	(mg/kg-day)-1	5.50E-09
				1,1-Dichlorethene	1.06E-02	mg/m3	2.96E-05	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	--	mg/m3	--	mg/kg-day	--	--	--
				1,2-Dichlorobenzene	1.35E-05	mg/m3	3.77E-08	mg/kg-day	--	--	--
				1,2-Dichlorethane	9.78E-06	mg/m3	2.73E-08	mg/kg-day	9.10E-02	(mg/kg-day)-1	2.49E-09
				1,2-Dichlorethene (Total)	2.96E-04	mg/m3	8.27E-07	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.68E-07	mg/m3	4.70E-10	mg/kg-day	6.80E-02	(mg/kg-day)-1	3.19E-11
				1,3,5-Trimethylbenzene	--	mg/m3	--	mg/kg-day	--	--	--
				1,3-Dichlorobenzene	5.79E-06	mg/m3	1.62E-08	mg/kg-day	--	--	--
				1,4-Dichlorobenzene	8.27E-01	mg/m3	2.31E-03	mg/kg-day	2.20E-02	(mg/kg-day)-1	5.08E-05
				2-Butanone	--	mg/m3	--	mg/kg-day	--	--	--
				2-Hexanone	--	mg/m3	--	mg/kg-day	--	--	--
				2-MethylNaphthalene	1.55E-07	mg/m3	4.34E-10	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	--	mg/m3	--	mg/kg-day	--	--	--
				Acenaphthene	1.07E-07	mg/m3	2.99E-10	mg/kg-day	--	--	--
				Acenaphthylene	--	mg/m3	--	mg/kg-day	--	--	--
				Acetone	6.83E-05	mg/m3	1.91E-07	mg/kg-day	--	--	--
				Benzene	5.97E-05	mg/m3	1.67E-07	mg/kg-day	2.70E-02	(mg/kg-day)-1	4.51E-09
				Bromodichloromethane	2.63E-06	mg/m3	7.35E-09	mg/kg-day	6.20E-02	(mg/kg-day)-1	4.56E-10
				Carbon disulfide	1.81E-04	mg/m3	5.06E-07	mg/kg-day	--	--	--
				Chlorobenzene	1.26E-05	mg/m3	3.52E-08	mg/kg-day	--	--	--
				Chloroethane	--	mg/m3	--	mg/kg-day	2.90E-03	(mg/kg-day)-1	--
				Chloroform	2.17E-05	mg/m3	6.07E-08	mg/kg-day	8.05E-02	(mg/kg-day)-1	4.88E-09
				Chloromethane	--	mg/m3	--	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	1.28E-04	mg/m3	3.58E-07	mg/kg-day	--	(mg/kg-day)-1	--
				Cyanide	--	mg/m3	--	mg/kg-day	--	--	--
				Ethylbenzene	3.25E-05	mg/m3	9.09E-08	mg/kg-day	--	--	--
				Fluorene	2.06E-08	mg/m3	5.76E-11	mg/kg-day	--	--	--
				Hexachlorobutadiene	1.40E-06	mg/m3	3.91E-09	mg/kg-day	7.80E-02	(mg/kg-day)-1	3.05E-10
				Isopropylbenzene	2.49E-05	mg/m3	6.96E-08	mg/kg-day	--	--	--
				m,p-Xylene	5.98E-05	mg/m3	1.67E-07	mg/kg-day	--	--	--
				Methylene Chloride	1.68E-05	mg/m3	4.70E-08	mg/kg-day	1.65E-03	(mg/kg-day)-1	7.73E-11

TABLE F-8.3.2.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	Methyl-T-Butyl-ether	--	mg/m3	--	mg/kg-day	9.10E-04	(mg/kg-day)-1	--
				Naphthalene	7.42E-06	mg/m3	2.07E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	2.49E-09
				n-Butylbenzene	1.09E-05	mg/m3	3.04E-08	mg/kg-day	--	--	--
				n-propylbenzene	5.54E-05	mg/m3	1.55E-07	mg/kg-day	--	--	--
				o-Xylene	2.38E-05	mg/m3	6.65E-08	mg/kg-day	--	--	--
				Phenanthrene	4.07E-08	mg/m3	1.14E-10	mg/kg-day	--	--	--
				Pyrene	1.11E-08	mg/m3	3.10E-11	mg/kg-day	--	--	--
				sec-Butylbenzene	2.26E-06	mg/m3	6.33E-09	mg/kg-day	--	--	--
				tert-Butylbenzene	1.36E-06	mg/m3	3.80E-09	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.18E-04	mg/m3	3.29E-07	mg/kg-day	--	--	--
				Tetrachloroethene	5.93E-05	mg/m3	1.66E-07	mg/kg-day	2.10E-02	(mg/kg-day)-1	3.48E-09
				Toluene	2.81E-05	mg/m3	7.86E-08	mg/kg-day	--	--	--
				Trichloroethene	6.23E-03	mg/m3	1.74E-05	mg/kg-day	4.00E-01	(mg/kg-day)-1	6.97E-06
				Vinyl chloride	5.58E-04	mg/m3	1.56E-06	mg/kg-day	1.60E-02	(mg/kg-day)-1	2.50E-08
				Xylene (Total)	7.89E-05	mg/m3	2.21E-07	mg/kg-day	--	--	--
			Exposure Route Total								**5.79E-05**
		Exposure Point Total									**5.79E-05**
	Exposure Medium Total										**5.79E-05**
Medium Total											**5.79E-05**
										Total of Receptor Hazards Across All Media	**5.88E-05**

Notes:

--	Not applicable or not available
CSF	Cancer slope factor
EPA	U.S. Environmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligram per kilogram
mg/kg-day	Milligram per kilogram per day
(mg/kg-day)-1	1/(Milligram per kilogram per day)
mg/L	Milligram per liter
mg/m^3	Milligram per cubic meter
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile Organic Compound

See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-8.3.3.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Ingestion	2-Methylnaphthalene	2.67E-02	mg/kg	1.26E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	4.50E+01	mg/kg	2.11E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	7.18E-02	mg/kg	3.37E-08	mg/kg-day	--	--	--
				Acenaphthylene	2.34E-02	mg/kg	1.10E-08	mg/kg-day	--	--	--
				Aluminum	9.49E+03	mg/kg	4.46E-03	mg/kg-day	--	--	--
				Anthracene	1.87E-01	mg/kg	8.79E-08	mg/kg-day	--	--	--
				Antimony	1.99E+00	mg/kg	9.36E-07	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	1.41E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.82E-08
				Aroclor-1260	2.30E-01	mg/kg	1.08E-07	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.16E-07
				Arsenic	2.37E+00	mg/kg	1.11E-06	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.67E-06
				Barium	4.47E+01	mg/kg	2.10E-05	mg/kg-day	--	--	--
				Benzo(a)anthracene	6.91E-01	mg/kg	3.24E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.37E-07
				Benzo(a)pyrene	1.42E+00	mg/kg	6.65E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	4.86E-06
				Benzo(b)fluoranthene	5.04E-01	mg/kg	2.37E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.73E-07
				Benzo(g,h,i)perylene	1.81E-01	mg/kg	8.51E-08	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.50E-01	mg/kg	1.17E-07	mg/kg-day	7.30E-02	(mg/kg-day)-1	8.57E-09
				Beryllium	1.02E+00	mg/kg	4.77E-07	mg/kg-day	--	--	--
				Cadmium	4.32E+00	mg/kg	2.03E-06	mg/kg-day	--	--	--
				Chromium	4.11E+01	mg/kg	1.93E-05	mg/kg-day	--	--	--
				Chrysene	7.42E-01	mg/kg	3.48E-07	mg/kg-day	7.30E-03	(mg/kg-day)-1	2.54E-09
				Cobalt	1.18E+01	mg/kg	5.52E-06	mg/kg-day	--	--	--
				Copper	3.37E+01	mg/kg	1.58E-05	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	8.17E-02	mg/kg	3.84E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.80E-07
				Fluoranthene	1.27E+00	mg/kg	5.96E-07	mg/kg-day	--	--	--
				Fluorene	7.38E-02	mg/kg	3.47E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.73E-01	mg/kg	1.28E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	9.37E-08
				Iron	1.54E+04	mg/kg	7.22E-03	mg/kg-day	--	--	--
				Lead	7.08E+01	mg/kg	3.33E-05	mg/kg-day	--	--	--
				Manganese	2.72E+02	mg/kg	1.28E-04	mg/kg-day	--	--	--
				Mercury	2.97E-01	mg/kg	1.40E-07	mg/kg-day	--	--	--
				Naphthalene	3.29E-02	mg/kg	1.55E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	1.85E-09

TABLE F-8.3.3.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Ingestion (continued)	Nickel	2.98E+01	mg/kg	1.40E-05	mg/kg-day	--	--	--
				Phenanthrene	7.58E-01	mg/kg	3.56E-07	mg/kg-day	--	--	--
				Pyrene	1.21E+00	mg/kg	5.66E-07	mg/kg-day	--	--	--
				Selenium	2.80E-01	mg/kg	1.32E-07	mg/kg-day	--	--	--
				Silver	5.82E-01	mg/kg	2.74E-07	mg/kg-day	--	--	--
				Thallium	7.46E-01	mg/kg	3.50E-07	mg/kg-day	--	--	--
				Vanadium	3.46E+01	mg/kg	1.63E-05	mg/kg-day	--	--	--
				Zinc	5.87E+01	mg/kg	2.76E-05	mg/kg-day	--	--	--
			Exposure Route Total								**7.57E-06**
			Dermal	2-Methylnaphthalene	2.67E-02	mg/kg	5.0E-10	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	4.50E+01	mg/kg	8.4E-07	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	7.18E-02	mg/kg	1.8E-08	mg/kg-day	--	--	--
				Acenaphthylene	2.34E-02	mg/kg	4.4E-10	mg/kg-day	--	--	--
				Aluminum	9.49E+03	mg/kg	1.8E-05	mg/kg-day	--	--	--
				Anthracene	1.87E-01	mg/kg	4.6E-08	mg/kg-day	--	--	--
				Antimony	1.99E+00	mg/kg	3.7E-09	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	7.9E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.57E-08
				Aroclor-1260	2.30E-01	mg/kg	6.0E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.21E-07
				Arsenic	2.37E+00	mg/kg	1.3E-07	mg/kg-day	1.50E+00	(mg/kg-day)-1	2.00E-07
				Barium	4.47E+01	mg/kg	8.4E-08	mg/kg-day	--	--	--
				Benzo(a)anthracene	6.91E-01	mg/kg	1.7E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.23E-07
				Benzo(a)pyrene	1.42E+00	mg/kg	3.4E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.52E-06
				Benzo(b)fluoranthene	5.04E-01	mg/kg	1.2E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	8.96E-08
				Benzo(g,h,i)perylene	1.81E-01	mg/kg	4.4E-08	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.50E-01	mg/kg	6.1E-08	mg/kg-day	7.30E-02	(mg/kg-day)-1	4.45E-09
				Beryllium	1.02E+00	mg/kg	1.9E-09	mg/kg-day	--	--	--
				Cadmium	4.32E+00	mg/kg	8.1E-09	mg/kg-day	--	--	--
				Chromium	4.11E+01	mg/kg	7.7E-08	mg/kg-day	--	--	--
				Chrysene	7.42E-01	mg/kg	1.8E-07	mg/kg-day	7.30E-03	(mg/kg-day)-1	1.32E-09
				Cobalt	1.18E+01	mg/kg	2.2E-08	mg/kg-day	--	--	--
				Copper	3.37E+01	mg/kg	6.3E-08	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	8.17E-02	mg/kg	2.0E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.45E-07
				Fluoranthene	1.27E+00	mg/kg	3.1E-07	mg/kg-day	--	--	--

TABLE F-6.3.3.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Dermal (continued)	Fluorene	7.38E-02	mg/kg	1.8E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.73E-01	mg/kg	6.7E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.86E-08
				Iron	1.54E+04	mg/kg	2.9E-05	mg/kg-day	--	--	--
				Lead	7.08E+01	mg/kg	1.3E-07	mg/kg-day	--	--	--
				Manganese	2.72E+02	mg/kg	5.1E-07	mg/kg-day	--	--	--
				Mercury	2.97E-01	mg/kg	--	mg/kg-day	--	--	--
				Naphthalene	3.29E-02	mg/kg	8.0E-09	mg/kg-day	1.20E-01	(mg/kg-day)-1	9.62E-10
				Nickel	2.98E+01	mg/kg	5.6E-08	mg/kg-day	--	--	--
				Phenanthrene	7.58E-01	mg/kg	1.4E-08	mg/kg-day	--	--	--
				Pyrene	1.21E+00	mg/kg	2.9E-07	mg/kg-day	--	--	--
				Selenium	2.80E-01	mg/kg	5.2E-10	mg/kg-day	--	--	--
				Silver	5.82E-01	mg/kg	1.1E-09	mg/kg-day	--	--	--
				Thallium	7.46E-01	mg/kg	--	mg/kg-day	--	--	--
				Vanadium	3.46E+01	mg/kg	6.5E-08	mg/kg-day	--	--	--
				Zinc	5.87E+01	mg/kg	1.1E-07	mg/kg-day	--	--	--
			Exposure Route Total								**3.27E-06**
		Exposure Point Total									**1.08E-05**
		Homegrown Produce	Ingestion	2-Methylnaphthalene	2.67E-02	mg/kg	--	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	4.50E+01	mg/kg	--	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	7.18E-02	mg/kg	--	mg/kg-day	--	--	--
				Acenaphthylene	2.34E-02	mg/kg	--	mg/kg-day	--	--	--
				Aluminum	9.49E+03	mg/kg	--	mg/kg-day	--	--	--
				Anthracene	1.87E-01	mg/kg	--	mg/kg-day	--	--	--
				Antimony	1.99E+00	mg/kg	--	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	2.0E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	3.97E-09
				Aroclor-1260	2.30E-01	mg/kg	6.3E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.27E-08
				Arsenic	2.37E+00	mg/kg	4.1E-06	mg/kg-day	1.50E+00	(mg/kg-day)-1	6.19E-06
				Barium	4.47E+01	mg/kg	--	mg/kg-day	--	--	--
				Benzo(a)anthracene	6.91E-01	mg/kg	1.9E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.42E-08
				Benzo(a)pyrene	1.42E+00	mg/kg	2.7E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.93E-07
				Benzo(b)fluoranthene	5.04E-01	mg/kg	1.1E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	8.16E-09
				Benzo(g,h,i)perylene	1.81E-01	mg/kg	--	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.50E-01	mg/kg	4.6E-09	mg/kg-day	7.30E-02	(mg/kg-day)-1	3.38E-10

TABLE F-8.3.3.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (continued)	Soil (continued)	Homegrown Produce (continued)	Ingestion (continued)	Beryllium	1.02E+00	mg/kg	--	mg/kg-day	--	--	--
				Cadmium	4.32E+00	mg/kg	9.5E-05	mg/kg-day	--	--	--
				Chromium	4.11E+01	mg/kg	--	mg/kg-day	--	--	--
				Chrysene	7.42E-01	mg/kg	2.1E-08	mg/kg-day	7.30E-03	(mg/kg-day)-1	1.53E-10
				Cobalt	1.18E+01	mg/kg	--	mg/kg-day	--	--	--
				Copper	3.37E+01	mg/kg	--	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	8.17E-02	mg/kg	1.0E-09	mg/kg-day	7.30E+00	(mg/kg-day)-1	7.27E-09
				Fluoranthene	1.27E+00	mg/kg	3.9E-08	mg/kg-day	--	--	--
				Fluorene	7.38E-02	mg/kg	--	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.73E-01	mg/kg	4.4E-09	mg/kg-day	7.30E-01	(mg/kg-day)-1	3.18E-09
				Iron	1.54E+04	mg/kg	--	mg/kg-day	--	--	--
				Lead	7.08E+01	mg/kg	--	mg/kg-day	--	--	--
				Manganese	2.72E+02	mg/kg	--	mg/kg-day	--	--	--
				Mercury	2.97E-01	mg/kg	8.0E-07	mg/kg-day	--	--	--
				Naphthalene	3.29E-02	mg/kg	--	mg/kg-day	1.20E-01	(mg/kg-day)-1	--
				Nickel	2.98E+01	mg/kg	8.4E-05	mg/kg-day	--	--	--
				Phenanthrene	7.58E-01	mg/kg	--	mg/kg-day	--	--	--
				Pyrene	1.21E+00	mg/kg	--	mg/kg-day	--	--	--
				Selenium	2.80E-01	mg/kg	7.8E-07	mg/kg-day	--	--	--
				Silver	5.82E-01	mg/kg	--	mg/kg-day	--	--	--
				Thallium	7.46E-01	mg/kg	--	mg/kg-day	--	--	--
				Vanadium	3.46E+01	mg/kg	--	mg/kg-day	--	--	--
				Zinc	5.87E+01	mg/kg	6.6E-04	mg/kg-day	--	--	--
			Exposure Route Total								**6.43E-06**
		Exposure Point Total									**6.43E-06**
	Exposure Medium Total										**1.73E-05**
	Air	Outdoor Air	Inhalation (particulates or VOCs)	2-Methylnaphthalene	1.89E-07	mg/m^3	1.8E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.80E-03	mg/m^3	1.7E-04	mg/kg-day	--	--	--
				Acenaphthene	3.99E-07	mg/m^3	3.7E-08	mg/kg-day	--	--	--
				Acenaphthylene	1.30E-07	mg/m^3	1.2E-08	mg/kg-day	--	--	--
				Aluminum	7.19E-06	mg/m^3	6.7E-07	mg/kg-day	--	--	--
				Anthracene	2.67E-07	mg/m^3	2.5E-08	mg/kg-day	--	--	--
				Antimony	1.51E-09	mg/m^3	1.4E-10	mg/kg-day	--	--	--

TABLE F-6.3.3.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (continued)	Air (continued)	Outdoor Air (continued)	Inhalation (particulates or VOCs) (continued)	Aroclor-1254	2.27E-11	mg/m^3	2.1E-12	mg/kg-day	2.00E+00	(mg/kg-day)-1	4.25E-12
				Aroclor-1260	1.74E-10	mg/m^3	1.6E-11	mg/kg-day	2.00E+00	(mg/kg-day)-1	3.26E-11
				Arsenic	1.80E-09	mg/m^3	1.7E-10	mg/kg-day	1.50E+01	(mg/kg-day)-1	2.52E-09
				Barium	3.39E-08	mg/m^3	3.2E-09	mg/kg-day	--	--	--
				Benzo(a)anthracene	5.23E-10	mg/m^3	4.9E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	3.57E-11
				Benzo(a)pyrene	1.07E-09	mg/m^3	1.0E-10	mg/kg-day	7.30E+00	(mg/kg-day)-1	7.33E-10
				Benzo(b)fluoranthene	3.82E-10	mg/m^3	3.6E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.61E-11
				Benzo(g,h,i)perylene	1.37E-10	mg/m^3	1.3E-11	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	1.89E-10	mg/m^3	1.8E-11	mg/kg-day	7.30E-02	(mg/kg-day)-1	1.29E-12
				Beryllium	7.70E-10	mg/m^3	7.2E-11	mg/kg-day	8.40E+00	(mg/kg-day)-1	6.05E-10
				Cadmium	3.27E-09	mg/m^3	3.1E-10	mg/kg-day	6.30E+00	(mg/kg-day)-1	1.93E-09
				Chromium	3.11E-08	mg/m^3	2.9E-09	mg/kg-day	--	--	--
				Chrysene	5.62E-10	mg/m^3	5.3E-11	mg/kg-day	7.30E-03	(mg/kg-day)-1	3.84E-13
				Cobalt	8.90E-09	mg/m^3	8.3E-10	mg/kg-day	9.80E+00	(mg/kg-day)-1	8.16E-09
				Copper	2.55E-08	mg/m^3	2.4E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	6.19E-11	mg/m^3	5.8E-12	mg/kg-day	7.30E+00	(mg/kg-day)-1	4.23E-11
				Fluoranthene	9.61E-10	mg/m^3	9.0E-11	mg/kg-day	--	--	--
				Fluorene	2.05E-07	mg/m^3	1.9E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.07E-10	mg/m^3	1.9E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.41E-11
				Iron	1.16E-05	mg/m^3	1.1E-06	mg/kg-day	--	--	--
				Lead	5.36E-08	mg/m^3	5.0E-09	mg/kg-day	--	--	--
				Manganese	2.06E-07	mg/m^3	1.9E-08	mg/kg-day	--	--	--
				Mercury	2.25E-10	mg/m^3	2.1E-11	mg/kg-day	--	--	--
				Naphthalene	7.65E-07	mg/m^3	7.2E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	8.59E-09
				Nickel	2.25E-08	mg/m^3	2.1E-09	mg/kg-day	--	--	--
				Phenanthrene	5.07E-07	mg/m^3	4.7E-08	mg/kg-day	--	--	--
				Pyrene	3.17E-07	mg/m^3	3.0E-08	mg/kg-day	--	--	--
				Selenium	2.12E-10	mg/m^3	2.0E-11	mg/kg-day	--	--	--

TABLE F-8.3.3.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (continued)	Air (continued)	Outdoor Air (continued)	Inhalation (particulates or VOCs) (continued)	Silver	4.41E-10	mg/m^3	4.1E-11	mg/kg-day	--	--	--
				Thallium	5.65E-10	mg/m^3	5.3E-11	mg/kg-day	--	--	--
				Vanadium	2.62E-08	mg/m^3	2.5E-09	mg/kg-day	--	--	--
				Zinc	4.44E-08	mg/m^3	4.2E-09	mg/kg-day	--	--	--
			Exposure Route Total								**2.27E-08**
		Exposure Point Total									**2.27E-08**
	Exposure Medium Total										**2.27E-08**
Medium Total											**1.73E-05**
Groundwater	Groundwater	Domestic Use of Groundwater	Ingestion	1,1,1-Trichloroethane	2.23E-02	mg/L	2.10E-04	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	1.06E-02	mg/L	9.93E-05	mg/kg-day	5.70E-02	(mg/kg-day)-1	5.66E-06
				1,1-Dichlorethane	1.08E-01	mg/L	1.02E-03	mg/kg-day	5.70E-03	(mg/kg-day)-1	5.79E-06
				1,1-Dichlorethene	5.89E-01	mg/L	5.53E-03	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	1.06E-04	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorobenzene	1.34E-02	mg/L	1.26E-04	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorethane	1.25E-02	mg/L	1.17E-04	mg/kg-day	9.10E-02	(mg/kg-day)-1	1.07E-05
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	2.76E-03	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.00E-04	mg/L	9.39E-07	mg/kg-day	6.80E-02	(mg/kg-day)-1	6.39E-08
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	9.98E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,3-Dichlorobenzene	4.50E-03	mg/L	4.23E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,4-Dichlorobenzene	6.42E-03	mg/L	6.03E-05	mg/kg-day	2.40E-02	(mg/kg-day)-1	1.45E-06
				2-Butanone	7.10E-02	mg/L	6.67E-04	mg/kg-day	--	--	--
				2-Hexanone	2.00E-03	mg/L	1.88E-05	mg/kg-day	--	--	--
				2-Methylnaphthalene	7.00E-04	mg/L	6.58E-06	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/L	2.72E-04	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	2.00E-03	mg/L	1.88E-05	mg/kg-day	--	--	--
				Acenaphthylene	2.00E-03	mg/L	1.88E-05	mg/kg-day	--	--	--
				Acetone	1.65E+00	mg/L	1.55E-02	mg/kg-day	--	--	--
				Aluminum	9.88E-01	mg/L	9.28E-03	mg/kg-day	--	--	--
				Antimony	1.43E-02	mg/L	1.34E-04	mg/kg-day	--	--	--
				Arsenic	1.98E-02	mg/L	1.86E-04	mg/kg-day	1.50E+00	(mg/kg-day)-1	2.79E-04
				Barium	2.70E-01	mg/L	2.53E-03	mg/kg-day	--	--	--
				Benzene	1.59E-02	mg/L	1.49E-04	mg/kg-day	5.50E-02	(mg/kg-day)-1	8.21E-06
				Benzo(a)anthracene	1.00E-04	mg/L	9.39E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	6.86E-07

TABLE F-8.3.3.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Ingestion (continued)	Benzo(a)pyrene	1.00E-04	mg/L	9.39E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	6.86E-06
				Beryllium	1.41E-03	mg/L	1.33E-05	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	6.66E-05	mg/kg-day	1.40E-02	(mg/kg-day)-1	9.33E-07
				Bromodichloromethane	7.10E-03	mg/L	6.67E-05	mg/kg-day	6.20E-02	(mg/kg-day)-1	4.14E-06
				Cadmium	1.60E-02	mg/L	1.50E-04	mg/kg-day	--	--	--
				Carbon disulfide	7.53E-03	mg/L	7.07E-05	mg/kg-day	--	--	--
				Chlorobenzene	6.07E-03	mg/L	5.71E-05	mg/kg-day	--	--	--
				Chloroethane	1.23E-02	mg/L	1.16E-04	mg/kg-day	2.90E-03	(mg/kg-day)-1	3.36E-07
				Chloroform	7.44E-03	mg/L	6.99E-05	mg/kg-day	--	--	--
				Chloromethane	7.26E-03	mg/L	6.82E-05	mg/kg-day	--	--	--
				Chromium	1.52E-01	mg/L	1.43E-03	mg/kg-day	--	--	--
				Chromium (VI)	4.72E-01	mg/L	4.43E-03	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	5.55E-02	mg/L	5.21E-04	mg/kg-day	--	--	--
				Cobalt	1.51E-02	mg/L	1.42E-04	mg/kg-day	--	--	--
				Copper	1.24E-02	mg/L	1.16E-04	mg/kg-day	--	--	--
				Cyanide	6.60E-02	mg/L	6.20E-04	mg/kg-day	--	--	--
				Ethylbenzene	7.18E-03	mg/L	6.75E-05	mg/kg-day	--	--	--
				Fluoranthene	1.80E-03	mg/L	1.69E-05	mg/kg-day	--	--	--
				Fluorene	1.00E-03	mg/L	9.39E-06	mg/kg-day	--	--	--
				Hexachlorobutadiene	4.00E-04	mg/L	3.76E-06	mg/kg-day	7.80E-02	(mg/kg-day)-1	2.93E-07
				Iron	1.70E+01	mg/L	1.60E-01	mg/kg-day	--	--	--
				Isopropylbenzene	5.50E-03	mg/L	5.17E-05	mg/kg-day	--	--	--
				Lead	7.38E-03	mg/L	6.93E-05	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	1.24E-04	mg/kg-day	--	--	--
				Manganese	9.91E+00	mg/L	9.31E-02	mg/kg-day	--	--	--
				Mercury	4.40E-05	mg/L	4.13E-07	mg/kg-day	--	--	--
				Methylene chloride	9.90E-03	mg/L	9.30E-05	mg/kg-day	7.50E-03	(mg/kg-day)-1	6.98E-07
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	6.55E-05	mg/kg-day	1.80E-03	(mg/kg-day)-1	1.18E-07
				Molybdenum	7.50E-02	mg/L	7.04E-04	mg/kg-day	--	--	--
				Naphthalene	3.35E-02	mg/L	3.15E-04	mg/kg-day	1.20E-01	(mg/kg-day)-1	3.77E-05
				n-Butylbenzene	2.40E-03	mg/L	2.25E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Nickel	1.83E-01	mg/L	1.72E-03	mg/kg-day	--	--	--
				n-Propylbenzene	1.22E-02	mg/L	1.15E-04	mg/kg-day	--	(mg/kg-day)-1	--

TABLE F-8.3.3.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Ingestion (continued)	o-Xylene	6.86E-03	mg/L	6.44E-05	mg/kg-day	--	--	--
				Phenanthrene	2.00E-03	mg/L	1.88E-05	mg/kg-day	--	--	--
				Phenol	6.60E-03	mg/L	6.20E-05	mg/kg-day	--	--	--
				p-Isopropyltoluene	8.00E-04	mg/L	7.51E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Pyrene	3.00E-03	mg/L	2.82E-05	mg/kg-day	--	--	--
				sec-Butylbenzene	5.00E-04	mg/L	4.70E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Selenium	1.08E-02	mg/L	1.01E-04	mg/kg-day	--	--	--
				Silver	5.48E-03	mg/L	5.14E-05	mg/kg-day	--	--	--
				Tert-Butanol	4.21E-01	mg/L	3.95E-03	mg/kg-day	--	(mg/kg-day)-1	--
				tert-Butylbenzene	3.00E-04	mg/L	2.82E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Tetrachloroethene	5.84E-03	mg/L	5.49E-05	mg/kg-day	5.40E-01	(mg/kg-day)-1	2.96E-05
				Thallium	8.12E-03	mg/L	7.62E-05	mg/kg-day	--	--	--
				Toluene	6.35E-03	mg/L	5.96E-05	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.16E-02	mg/L	1.09E-04	mg/kg-day	--	(mg/kg-day)-1	--
				Trichloroethene	1.00E+00	mg/L	9.40E-03	mg/kg-day	4.00E-01	(mg/kg-day)-1	3.76E-03
				Vanadium	2.85E-02	mg/L	2.68E-04	mg/kg-day	--	--	--
				Vinyl chloride	2.54E-02	mg/L	2.38E-04	mg/kg-day	7.20E-01	(mg/kg-day)-1	1.72E-04
				Xylene (Total)	1.75E-02	mg/L	1.64E-04	mg/kg-day	--	--	--
				Zinc	1.50E-01	mg/L	1.41E-03	mg/kg-day	--	--	--
			Exposure Route Total								**4.32E-03**
			Dermal (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/L	1.87E-05	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	1.06E-02	mg/L	3.33E-06	mg/kg-day	5.70E-02	(mg/kg-day)-1	1.90E-07
				1,1-Dichlorethane	1.08E-01	mg/L	4.70E-05	mg/kg-day	5.70E-03	(mg/kg-day)-1	2.68E-07
				1,1-Dichlorethene	5.89E-01	mg/L	4.59E-04	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	5.24E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorobenzene	1.34E-02	mg/L	4.32E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorethane	1.25E-02	mg/L	3.27E-06	mg/kg-day	9.10E-02	(mg/kg-day)-1	2.97E-07
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	2.15E-04	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.00E-04	mg/L	4.86E-08	mg/kg-day	6.80E-02	(mg/kg-day)-1	3.31E-09
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	4.92E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,3-Dichlorobenzene	4.50E-03	mg/L	1.71E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,4-Dichlorobenzene	6.42E-03	mg/L	1.95E-05	mg/kg-day	2.40E-02	(mg/kg-day)-1	4.68E-07
				2-Butanone	7.10E-02	mg/L	3.86E-06	mg/kg-day	--	--	--

TABLE F-6.3.3.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Dermal (bathing/ showering) (continued)	2-Hexanone	2.00E-03	mg/L	4.36E-07	mg/kg-day	--	--	--
				2-Methylnaphthalene	7.00E-04	mg/L	4.87E-06	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/L	5.65E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	2.00E-03	mg/L	1.30E-05	mg/kg-day	--	--	--
				Acenaphthylene	2.00E-03	mg/L	1.38E-05	mg/kg-day	--	--	--
				Acetone	1.65E+00	mg/L	4.61E-05	mg/kg-day	--	--	--
				Aluminum	9.88E-01	mg/L	1.04E-04	mg/kg-day	--	--	--
				Antimony	1.43E-02	mg/L	7.64E-07	mg/kg-day	--	--	--
				Arsenic	1.98E-02	mg/L	1.87E-06	mg/kg-day	1.50E+00	(mg/kg-day)-1	2.81E-06
				Barium	2.70E-01	mg/L	5.33E-06	mg/kg-day	--	--	--
				Benzene	1.59E-02	mg/L	1.61E-05	mg/kg-day	5.50E-02	(mg/kg-day)-1	8.87E-07
				Benzo(a)anthracene	1.00E-04	mg/L	4.65E-06	mg/kg-day	7.30E-01	(mg/kg-day)-1	3.39E-06
				Benzo(a)pyrene	1.00E-04	mg/L	6.08E-06	mg/kg-day	7.30E+00	(mg/kg-day)-1	4.44E-05
				Beryllium	1.41E-03	mg/L	4.57E-08	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	6.85E-04	mg/kg-day	--	(mg/kg-day)-1	--
				Bromodichloromethane	7.10E-03	mg/L	1.75E-06	mg/kg-day	6.20E-02	(mg/kg-day)-1	1.08E-07
				Cadmium	1.60E-02	mg/L	2.75E-07	mg/kg-day	--	--	--
				Carbon disulfide	7.53E-03	mg/L	5.76E-06	mg/kg-day	--	--	--
				Chlorobenzene	6.07E-03	mg/L	1.21E-05	mg/kg-day	--	--	--
				Chloroethane	1.23E-02	mg/L	4.83E-06	mg/kg-day	2.90E-03	(mg/kg-day)-1	1.40E-08
				Chloroform	7.44E-03	mg/L	3.26E-06	mg/kg-day	--	--	--
				Chloromethane	7.26E-03	mg/L	1.48E-06	mg/kg-day	--	--	--
				Chromium	1.52E-01	mg/L	7.45E-06	mg/kg-day	--	--	--
				Chromium (VI)	4.72E-01	mg/L	2.32E-05	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	5.55E-02	mg/L	4.05E-05	mg/kg-day	--	--	--
				Cobalt	1.51E-02	mg/L	8.97E-07	mg/kg-day	--	--	--
				Copper	1.24E-02	mg/L	1.86E-07	mg/kg-day	--	--	--
				Cyanide	6.60E-02	mg/L	2.80E-06	mg/kg-day	--	--	--
				Ethylbenzene	7.18E-03	mg/L	2.60E-05	mg/kg-day	--	--	--
				Fluoranthene	1.80E-03	mg/L	4.53E-05	mg/kg-day	--	--	--
				Fluorene	1.00E-03	mg/L	8.38E-06	mg/kg-day	--	--	--
				Hexachlorobutadiene	4.00E-04	mg/L	2.37E-06	mg/kg-day	7.80E-02	(mg/kg-day)-1	1.85E-07
				Iron	1.70E+01	mg/L	2.06E-04	mg/kg-day	--	--	--

TABLE F-8.3.3.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Dermal (bathing/ showering) (continued)	Isopropylbenzene	5.50E-03	mg/L	3.78E-05	mg/kg-day	--	--	--
				Lead	7.38E-03	mg/L	1.24E-07	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	5.21E-05	mg/kg-day	--	--	--
				Manganese	9.91E+00	mg/L	6.22E-04	mg/kg-day	--	--	--
				Mercury	4.40E-05	mg/L	2.16E-09	mg/kg-day	--	--	--
				Methylene chloride	9.90E-03	mg/L	2.17E-06	mg/kg-day	7.50E-03	(mg/kg-day)-1	1.62E-08
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	8.78E-07	mg/kg-day	1.80E-03	(mg/kg-day)-1	1.58E-09
				Molybdenum	7.50E-02	mg/L	2.65E-06	mg/kg-day	--	--	--
				Naphthalene	3.35E-02	mg/L	1.14E-04	mg/kg-day	1.20E-01	(mg/kg-day)-1	1.37E-05
				n-Butylbenzene	2.40E-03	mg/L	1.65E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Nickel	1.83E-01	mg/L	2.95E-06	mg/kg-day	--	--	--
				n-Propylbenzene	1.22E-02	mg/L	8.39E-05	mg/kg-day	--	(mg/kg-day)-1	--
				o-Xylene	6.86E-03	mg/L	2.37E-05	mg/kg-day	--	--	--
				Phenanthrene	2.00E-03	mg/L	2.25E-05	mg/kg-day	--	--	--
				Phenol	6.60E-03	mg/L	1.79E-06	mg/kg-day	--	--	--
				p-Isopropyltoluene	8.00E-04	mg/L	5.49E-06	mg/kg-day	0.00E+00	(mg/kg-day)-1	0.00E+00
				Pyrene	3.00E-03	mg/L	4.77E-05	mg/kg-day	--	--	--
				sec-Butylbenzene	5.00E-04	mg/L	3.43E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Selenium	1.08E-02	mg/L	4.78E-07	mg/kg-day	--	--	--
				Silver	5.48E-03	mg/L	1.64E-07	mg/kg-day	--	--	--
				Tert-Butanol	4.21E-01	mg/L	3.92E-05	mg/kg-day	--	(mg/kg-day)-1	--
				tert-Butylbenzene	3.00E-04	mg/L	2.06E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Tetrachloroethene	5.84E-03	mg/L	1.38E-05	mg/kg-day	5.40E-01	(mg/kg-day)-1	7.44E-06
				Thallium	8.12E-03	mg/L	3.98E-07	mg/kg-day	--	--	--
				Toluene	6.35E-03	mg/L	1.41E-05	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.16E-02	mg/L	2.74E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Trichloroethene	1.00E+00	mg/L	7.70E-04	mg/kg-day	4.00E-01	(mg/kg-day)-1	3.08E-04

TABLE F-o.3.3.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Dermal (bathing/ showering) (continued)	Vanadium	2.85E-02	mg/L	1.89E-06	mg/kg-day	--	--	--
				Vinyl chloride	2.54E-02	mg/L	1.41E-05	mg/kg-day	7.20E-01	(mg/kg-day)-1	1.01E-05
				Xylene (Total)	1.75E-02	mg/L	6.88E-05	mg/kg-day	--	--	--
				Zinc	1.50E-01	mg/L	2.51E-06	mg/kg-day	--	--	--
			Exposure Route Total								**3.92E-04**
		Exposure Point Total									**4.71E-03**
	Exposure Medium Total										**4.71E-03**
	Air	Domestic Use of Groundwater Indoors	Inhalation (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/L	2.52E-05	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	1.06E-02	mg/L	1.20E-05	mg/kg-day	5.60E-02	(mg/kg-day)-1	6.69E-07
				1,1-Dichlorethane	1.08E-01	mg/L	1.22E-04	mg/kg-day	5.70E-03	(mg/kg-day)-1	6.97E-07
				1,1-Dichlorethene	5.89E-01	mg/L	6.66E-04	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	1.28E-05	mg/kg-day	--	--	--
				1,2-Dichlorobenzene	1.34E-02	mg/L	1.51E-05	mg/kg-day	--	--	--
				1,2-Dichlorethane	1.25E-02	mg/L	1.41E-05	mg/kg-day	9.10E-02	(mg/kg-day)-1	1.28E-06
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	3.32E-04	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.00E-04	mg/L	1.13E-07	mg/kg-day	6.80E-02	(mg/kg-day)-1	7.69E-09
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	1.20E-05	mg/kg-day	--	--	--
				1,3-Dichlorobenzene	4.50E-03	mg/L	5.09E-06	mg/kg-day	--	--	--
				1,4-Dichlorobenzene	6.42E-03	mg/L	7.26E-06	mg/kg-day	2.20E-02	(mg/kg-day)-1	1.60E-07
				2-Butanone	7.10E-02	mg/L	8.03E-05	mg/kg-day	--	--	--
				2-Hexanone	2.00E-03	mg/L	2.26E-06	mg/kg-day	--	--	--
				2-MethylNaphthalene	7.00E-04	mg/L	7.91E-07	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/L	3.28E-05	mg/kg-day	--	--	--
				Acenaphthene	2.00E-03	mg/L	2.26E-06	mg/kg-day	--	--	--
				Acenaphthylene	2.00E-03	mg/L	2.26E-06	mg/kg-day	--	--	--
				Acetone	1.65E+00	mg/L	1.87E-03	mg/kg-day	--	--	--
				Benzene	1.59E-02	mg/L	1.80E-05	mg/kg-day	2.70E-02	(mg/kg-day)-1	4.85E-07
				Bromodichloromethane	7.10E-03	mg/L	8.03E-06	mg/kg-day	6.20E-02	(mg/kg-day)-1	4.98E-07
				Carbon disulfide	7.53E-03	mg/L	8.51E-06	mg/kg-day	--	--	--
				Chlorobenzene	6.07E-03	mg/L	6.87E-06	mg/kg-day	--	--	--
				Chloroethane	1.23E-02	mg/L	1.40E-05	mg/kg-day	2.90E-03	(mg/kg-day)-1	4.05E-08
				Chloroform	7.44E-03	mg/L	8.41E-06	mg/kg-day	8.05E-02	(mg/kg-day)-1	6.77E-07
				Chloromethane	7.26E-03	mg/L	8.21E-06	mg/kg-day	--	--	--

TABLE F-8.3.3.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Domestic Use of Groundwater Indoors (continued)	Inhalation (bathing/ showering) (continued)	cis-1,2-Dichloroethene	5.55E-02	mg/L	6.27E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Cyanide	6.60E-02	mg/L	7.46E-05	mg/kg-day	--	--	--
				Ethylbenzene	7.18E-03	mg/L	8.12E-06	mg/kg-day	--	--	--
				Fluorene	1.00E-03	mg/L	1.13E-06	mg/kg-day	--	--	--
				Hexachlorobutadiene	4.00E-04	mg/L	4.52E-07	mg/kg-day	7.80E-02	(mg/kg-day)-1	3.53E-08
				Isopropylbenzene	5.50E-03	mg/L	6.22E-06	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	1.50E-05	mg/kg-day	--	--	--
				Methylene Chloride	9.90E-03	mg/L	1.12E-05	mg/kg-day	1.65E-03	(mg/kg-day)-1	1.84E-08
				Methyl-T-Butyl-ether	6.97E-03	mg/L	7.88E-06	mg/kg-day	9.10E-04	(mg/kg-day)-1	7.17E-09
				Naphthalene	3.35E-02	mg/L	3.79E-05	mg/kg-day	1.20E-01	(mg/kg-day)-1	4.54E-06
				n-Butylbenzene	2.40E-03	mg/L	2.71E-06	mg/kg-day	--	--	--
				n-propylbenzene	1.22E-02	mg/L	1.38E-05	mg/kg-day	--	--	--
				o-Xylene	6.86E-03	mg/L	7.76E-06	mg/kg-day	--	--	--
				Phenanthrene	2.00E-03	mg/L	2.26E-06	mg/kg-day	--	--	--
				Pyrene	3.00E-03	mg/L	3.39E-06	mg/kg-day	--	--	--
				sec-Butylbenzene	5.00E-04	mg/L	5.65E-07	mg/kg-day	--	--	--
				tert-Butylbenzene	3.00E-04	mg/L	3.39E-07	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.16E-02	mg/L	1.31E-05	mg/kg-day	--	--	--
				Tetrachloroethene	5.84E-03	mg/L	6.61E-06	mg/kg-day	2.10E-02	(mg/kg-day)-1	1.39E-07
				Toluene	6.35E-03	mg/L	7.18E-06	mg/kg-day	--	--	--
				Trichloroethene	1.00E+00	mg/L	1.13E-03	mg/kg-day	4.00E-01	(mg/kg-day)-1	4.52E-04
				Vinyl chloride	2.54E-02	mg/L	2.87E-05	mg/kg-day	3.10E-02	(mg/kg-day)-1	8.89E-07
				Xylene (Total)	1.75E-02	mg/L	1.98E-05	mg/kg-day	--	--	--
			Exposure Route Total								**4.63E-04**
		Exposure Point Total									**4.63E-04**
		Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-03	mg/m^3	1.88E-04	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	4.59E-05	mg/m^3	4.29E-06	mg/kg-day	5.60E-02	(mg/kg-day)-1	2.40E-07
				1,1-Dichlorethane	3.16E-03	mg/m^3	2.96E-04	mg/kg-day	5.70E-03	(mg/kg-day)-1	1.69E-06
				1,1-Dichlorethene	9.92E-02	mg/m^3	9.28E-03	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	2.33E-04	mg/m^3	2.18E-05	mg/kg-day	--	--	--
				1,2-Dichlorobenzene	9.49E-05	mg/m^3	8.88E-06	mg/kg-day	--	--	--
				1,2-Dichlorethane	7.70E-05	mg/m^3	7.20E-06	mg/kg-day	9.10E-02	(mg/kg-day)-1	6.56E-07
				1,2-Dichlorethene (Total)	6.08E-03	mg/m^3	5.69E-04	mg/kg-day	--	--	--

TABLE F-8.3.3.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	1,2-Dichloropropane	1.41E-06	mg/m^3	1.32E-07	mg/kg-day	6.80E-02	(mg/kg-day)-1	8.95E-09
				1,3,5-Trimethylbenzene	2.08E-04	mg/m^3	1.95E-05	mg/kg-day	--	--	--
				1,3-Dichlorobenzene	5.39E-05	mg/m^3	5.04E-06	mg/kg-day	--	--	--
				1,4-Dichlorobenzene	5.92E-05	mg/m^3	5.54E-06	mg/kg-day	2.20E-02	(mg/kg-day)-1	1.22E-07
				2-Butanone	2.35E-05	mg/m^3	2.20E-06	mg/kg-day	--	--	--
				2-Hexanone	1.31E-06	mg/m^3	1.23E-07	mg/kg-day	--	--	--
				2-MethylNaphthalene	8.28E-07	mg/m^3	7.74E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-05	mg/m^3	1.78E-06	mg/kg-day	--	--	--
				Acenaphthene	6.52E-07	mg/m^3	6.10E-08	mg/kg-day	--	--	--
				Acenaphthylene	6.52E-07	mg/m^3	6.10E-08	mg/kg-day	--	--	--
				Acetone	5.45E-04	mg/m^3	5.10E-05	mg/kg-day	--	--	--
				Benzene	5.01E-04	mg/m^3	4.69E-05	mg/kg-day	2.70E-02	(mg/kg-day)-1	1.27E-06
				Bromodichloromethane	2.55E-05	mg/m^3	2.39E-06	mg/kg-day	6.20E-02	(mg/kg-day)-1	1.48E-07
				Carbon disulfide	1.61E-03	mg/m^3	1.50E-04	mg/kg-day	--	--	--
				Chlorobenzene	9.89E-05	mg/m^3	9.26E-06	mg/kg-day	--	--	--
				Chloroethane	1.47E-03	mg/m^3	1.37E-04	mg/kg-day	2.90E-03	(mg/kg-day)-1	3.98E-07
				Chloroform	1.82E-04	mg/m^3	1.71E-05	mg/kg-day	8.05E-02	(mg/kg-day)-1	1.37E-06
				Chloromethane	5.88E-04	mg/m^3	5.50E-05	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	1.15E-03	mg/m^3	1.08E-04	mg/kg-day	--	(mg/kg-day)-1	--
				Cyanide	9.60E-05	mg/m^3	8.98E-06	mg/kg-day	--	--	--
				Ethylbenzene	2.48E-04	mg/m^3	2.32E-05	mg/kg-day	--	--	--
				Fluorene	1.34E-07	mg/m^3	1.25E-08	mg/kg-day	--	--	--
				Hexachlorobutadiene	9.57E-06	mg/m^3	8.95E-07	mg/kg-day	7.80E-02	(mg/kg-day)-1	6.98E-08
				Isopropylbenzene	2.12E-02	mg/m^3	1.99E-03	mg/kg-day	--	--	--
				m,p-Xylene	4.52E-04	mg/m^3	4.22E-05	mg/kg-day	--	--	--
				Methylene Chloride	1.47E-04	mg/m^3	1.37E-05	mg/kg-day	1.65E-03	(mg/kg-day)-1	2.26E-08
				Methyl-T-Butyl-ether	2.95E-05	mg/m^3	2.76E-06	mg/kg-day	9.10E-04	(mg/kg-day)-1	2.52E-09
				Naphthalene	5.03E-05	mg/m^3	4.70E-06	mg/kg-day	1.20E-01	(mg/kg-day)-1	5.64E-07
				n-Butylbenzene	9.94E-05	mg/m^3	9.30E-06	mg/kg-day	--	--	--
				n-propylbenzene	4.44E-04	mg/m^3	4.15E-05	mg/kg-day	--	--	--
				o-Xylene	1.73E-04	mg/m^3	1.62E-05	mg/kg-day	--	--	--
				Phenanthrene	1.75E-07	mg/m^3	1.64E-08	mg/kg-day	--	--	--
				Pyrene	6.77E-08	mg/m^3	6.33E-09	mg/kg-day	--	--	--

TABLE F-8.3.3.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	sec-Butylbenzene	5.50E-08	mg/m^3	5.15E-09	mg/kg-day	--	--	--
				tert-Butylbenzene	1.30E-05	mg/m^3	1.21E-06	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	9.43E-04	mg/m^3	8.82E-05	mg/kg-day	--	--	--
				Tetrachloroethene	4.75E-04	mg/m^3	4.44E-05	mg/kg-day	2.10E-02	(mg/kg-day)-1	9.33E-07
				Toluene	2.22E-04	mg/m^3	2.07E-05	mg/kg-day	--	--	--
				Trichloroethene	5.23E-02	mg/m^3	4.89E-03	mg/kg-day	4.00E-01	(mg/kg-day)-1	1.96E-03
				Vinyl chloride	5.47E-03	mg/m^3	5.12E-04	mg/kg-day	3.10E-02	(mg/kg-day)-1	1.59E-05
				Xylene (Total)	5.96E-04	mg/m^3	5.58E-05	mg/kg-day	--	--	--
			Exposure Route Total								**1.98E-03**
		Exposure Point Total									**1.98E-03**
	Exposure Medium Total										**2.44E-03**
Medium Total											**7.16E-03**
										Total of Receptor Hazards Across All Media	**7.18E-03**

Notes:

--	Not applicable or not available
CSF	Cancer slope factor
EPA	U.S. Environmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligram per kilogram
mg/kg-day	Milligram per kilogram per day
(mg/kg-day)-1	1/(Milligram per kilogram per day)
mg/L	Milligram per liter
mg/m^3	Milligram per cubic meter
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile Organic Compound

See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-8.3.4.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Ingestion	2-Methylnaphthalene	2.67E-02	mg/kg	2.93E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	4.50E+01	mg/kg	4.93E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	7.18E-02	mg/kg	7.87E-08	mg/kg-day	--	--	--
				Acenaphthylene	2.34E-02	mg/kg	2.57E-08	mg/kg-day	--	--	--
				Aluminum	9.49E+03	mg/kg	1.04E-02	mg/kg-day	--	--	--
				Anthracene	1.87E-01	mg/kg	2.05E-07	mg/kg-day	--	--	--
				Antimony	1.99E+00	mg/kg	2.18E-06	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	3.29E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	6.58E-08
				Aroclor-1260	2.30E-01	mg/kg	2.52E-07	mg/kg-day	2.00E+00	(mg/kg-day)-1	5.04E-07
				Arsenic	2.37E+00	mg/kg	2.60E-06	mg/kg-day	1.50E+00	(mg/kg-day)-1	3.90E-06
				Barium	4.47E+01	mg/kg	4.90E-05	mg/kg-day	--	--	--
				Benzo(a)anthracene	6.91E-01	mg/kg	7.57E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	5.52E-07
				Benzo(a)pyrene	1.42E+00	mg/kg	1.55E-06	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.13E-05
				Benzo(b)fluoranthene	5.04E-01	mg/kg	5.52E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.03E-07
				Benzo(g,h,i)perylene	1.81E-01	mg/kg	1.99E-07	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.50E-01	mg/kg	2.74E-07	mg/kg-day	7.30E-02	(mg/kg-day)-1	2.00E-08
				Beryllium	1.02E+00	mg/kg	1.11E-06	mg/kg-day	--	--	--
				Cadmium	4.32E+00	mg/kg	4.73E-06	mg/kg-day	--	--	--
				Chromium	4.11E+01	mg/kg	4.50E-05	mg/kg-day	--	--	--
				Chrysene	7.42E-01	mg/kg	8.13E-07	mg/kg-day	7.30E-03	(mg/kg-day)-1	5.93E-09
				Cobalt	1.18E+01	mg/kg	1.29E-05	mg/kg-day	--	--	--
				Copper	3.37E+01	mg/kg	3.69E-05	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	8.17E-02	mg/kg	8.96E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	6.54E-07
				Fluoranthene	1.27E+00	mg/kg	1.39E-06	mg/kg-day	--	--	--
				Fluorene	7.38E-02	mg/kg	8.09E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.73E-01	mg/kg	2.99E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.19E-07
				Iron	1.54E+04	mg/kg	1.69E-02	mg/kg-day	--	--	--
				Lead	7.08E+01	mg/kg	7.76E-05	mg/kg-day	--	--	--
				Manganese	2.72E+02	mg/kg	2.98E-04	mg/kg-day	--	--	--
				Mercury	2.97E-01	mg/kg	3.26E-07	mg/kg-day	--	--	--
				Naphthalene	3.29E-02	mg/kg	3.61E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	4.33E-09
				Nickel	2.98E+01	mg/kg	3.26E-05	mg/kg-day	--	--	--
				Phenanthrene	7.58E-01	mg/kg	8.31E-07	mg/kg-day	--	--	--
				Pyrene	1.21E+00	mg/kg	1.32E-06	mg/kg-day	--	--	--
				Selenium	2.80E-01	mg/kg	3.07E-07	mg/kg-day	--	--	--
				Silver	5.82E-01	mg/kg	6.38E-07	mg/kg-day	--	--	--
				Thallium	7.46E-01	mg/kg	8.17E-07	mg/kg-day	--	--	--
				Vanadium	3.46E+01	mg/kg	3.79E-05	mg/kg-day	--	--	--
				Zinc	5.87E+01	mg/kg	6.43E-05	mg/kg-day	--	--	--
			Exposure Route Total								1.77E-05
			Dermal	2-Methylnaphthalene	2.67E-02	mg/kg	8.2E-10	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	4.50E+01	mg/kg	1.4E-06	mg/kg-day	--	(mg/kg-day)-1	--

TABLE F-8.3.4.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Dermal (continued)	Acenaphthene	7.18E-02	mg/kg	2.9E-08	mg/kg-day	--	--	--
				Acenaphthylene	2.34E-02	mg/kg	7.2E-10	mg/kg-day	--	--	--
				Aluminum	9.49E+03	mg/kg	2.9E-05	mg/kg-day	--	--	--
				Anthracene	1.87E-01	mg/kg	7.5E-08	mg/kg-day	--	--	--
				Antimony	1.99E+00	mg/kg	6.1E-09	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	1.3E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.58E-08
				Aroclor-1260	2.30E-01	mg/kg	9.9E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.98E-07
				Arsenic	2.37E+00	mg/kg	2.2E-07	mg/kg-day	1.50E+00	(mg/kg-day)-1	3.28E-07
				Barium	4.47E+01	mg/kg	1.4E-07	mg/kg-day	--	--	--
				Benzo(a)anthracene	6.91E-01	mg/kg	2.8E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.01E-07
				Benzo(a)pyrene	1.42E+00	mg/kg	5.6E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	4.12E-06
				Benzo(b)fluoranthene	5.04E-01	mg/kg	2.0E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.47E-07
				Benzo(g,h,i)perylene	1.81E-01	mg/kg	7.2E-08	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.50E-01	mg/kg	1.0E-07	mg/kg-day	7.30E-02	(mg/kg-day)-1	7.28E-09
				Beryllium	1.02E+00	mg/kg	3.1E-09	mg/kg-day	--	--	--
				Cadmium	4.32E+00	mg/kg	1.3E-08	mg/kg-day	--	--	--
				Chromium	4.11E+01	mg/kg	1.3E-07	mg/kg-day	--	--	--
				Chrysene	7.42E-01	mg/kg	3.0E-07	mg/kg-day	7.30E-03	(mg/kg-day)-1	2.16E-09
				Cobalt	1.18E+01	mg/kg	3.6E-08	mg/kg-day	--	--	--
				Copper	3.37E+01	mg/kg	1.0E-07	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	8.17E-02	mg/kg	3.3E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.38E-07
				Fluoranthene	1.27E+00	mg/kg	5.1E-07	mg/kg-day	--	--	--
				Fluorene	7.38E-02	mg/kg	2.9E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.73E-01	mg/kg	1.1E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	7.95E-08
				Iron	1.54E+04	mg/kg	4.7E-05	mg/kg-day	--	--	--
				Lead	7.08E+01	mg/kg	2.2E-07	mg/kg-day	--	--	--
				Manganese	2.72E+02	mg/kg	8.3E-07	mg/kg-day	--	--	--
				Mercury	2.97E-01	mg/kg	--	mg/kg-day	--	--	--
				Naphthalene	3.29E-02	mg/kg	1.3E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	1.58E-09
				Nickel	2.98E+01	mg/kg	9.1E-08	mg/kg-day	--	--	--
				Phenanthrene	7.58E-01	mg/kg	2.3E-08	mg/kg-day	--	--	--
				Pyrene	1.21E+00	mg/kg	4.8E-07	mg/kg-day	--	--	--
				Selenium	2.80E-01	mg/kg	8.6E-10	mg/kg-day	--	--	--
				Silver	5.82E-01	mg/kg	1.8E-09	mg/kg-day	--	--	--
				Thallium	7.46E-01	mg/kg	--	mg/kg-day	--	--	--
				Vanadium	3.46E+01	mg/kg	1.1E-07	mg/kg-day	--	--	--
				Zinc	5.87E+01	mg/kg	1.8E-07	mg/kg-day	--	--	--
			Exp.osure Route Total								**5.35E-06**
		Exposure Point Total									**2.30E-05**
		Homegrown Produce	Ingestion	2-Methylnaphthalene	2.67E-02	mg/kg	--	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	4.50E+01	mg/kg	--	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	7.18E-02	mg/kg	--	mg/kg-day	--	--	--

TABLE F-6.3.4.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (continued)	Soil (continued)	Homegrown Produce (continued)	Ingestion (continued)	Acenaphthylene	2.34E-02	mg/kg	--	mg/kg-day	--	--	--
				Aluminum	9.49E+03	mg/kg	--	mg/kg-day	--	--	--
				Anthracene	1.87E-01	mg/kg	--	mg/kg-day	--	--	--
				Antimony	1.99E+00	mg/kg	--	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	5.0E-10	mg/kg-day	2.00E+00	(mg/kg-day)-1	9.92E-10
				Aroclor-1260	2.30E-01	mg/kg	1.6E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	3.17E-09
				Arsenic	2.37E+00	mg/kg	1.0E-06	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.55E-06
				Barium	4.47E+01	mg/kg	--	mg/kg-day	--	--	--
				Benzo(a)anthracene	6.91E-01	mg/kg	4.9E-09	mg/kg-day	7.30E-01	(mg/kg-day)-1	3.55E-09
				Benzo(a)pyrene	1.42E+00	mg/kg	6.6E-09	mg/kg-day	7.30E+00	(mg/kg-day)-1	4.84E-08
				Benzo(b)fluoranthene	5.04E-01	mg/kg	2.8E-09	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.04E-09
				Benzo(g,h,i)perylene	1.81E-01	mg/kg	--	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.50E-01	mg/kg	1.2E-09	mg/kg-day	7.30E-02	(mg/kg-day)-1	8.46E-11
				Beryllium	1.02E+00	mg/kg	--	mg/kg-day	--	--	--
				Cadmium	4.32E+00	mg/kg	2.4E-05	mg/kg-day	--	--	--
				Chromium	4.11E+01	mg/kg	--	mg/kg-day	--	--	--
				Chrysene	7.42E-01	mg/kg	5.2E-09	mg/kg-day	7.30E-03	(mg/kg-day)-1	3.82E-11
				Cobalt	1.18E+01	mg/kg	--	mg/kg-day	--	--	--
				Copper	3.37E+01	mg/kg	--	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	8.17E-02	mg/kg	2.5E-10	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.82E-09
				Fluoranthene	1.27E+00	mg/kg	9.6E-09	mg/kg-day	--	--	--
				Fluorene	7.38E-02	mg/kg	--	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.73E-01	mg/kg	1.1E-09	mg/kg-day	7.30E-01	(mg/kg-day)-1	7.94E-10
				Iron	1.54E+04	mg/kg	--	mg/kg-day	--	--	--
				Lead	7.08E+01	mg/kg	--	mg/kg-day	--	--	--
				Manganese	2.72E+02	mg/kg	--	mg/kg-day	--	--	--
				Mercury	2.97E-01	mg/kg	2.0E-07	mg/kg-day	--	--	--
				Naphthalene	3.29E-02	mg/kg	--	mg/kg-day	1.20E-01	(mg/kg-day)-1	--
				Nickel	2.98E+01	mg/kg	2.1E-05	mg/kg-day	--	--	--
				Phenanthrene	7.58E-01	mg/kg	--	mg/kg-day	--	--	--
				Pyrene	1.21E+00	mg/kg	--	mg/kg-day	--	--	--
				Selenium	2.80E-01	mg/kg	2.0E-07	mg/kg-day	--	--	--
				Silver	5.82E-01	mg/kg	--	mg/kg-day	--	--	--
				Thallium	7.46E-01	mg/kg	--	mg/kg-day	--	--	--
				Vanadium	3.46E+01	mg/kg	--	mg/kg-day	--	--	--
				Zinc	5.87E+01	mg/kg	1.7E-04	mg/kg-day	--	--	--
			Exposure Route Total								**1.61E-06**
		Exposure Point Total									**1.61E-06**
	Exposure Medium Total										**2.46E-05**
	Air	Outdoor Air	Inhalation (particulates or VOCs)	2-Methylnaphthalene	1.89E-07	mg/m^3	1.0E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.80E-03	mg/m^3	9.9E-05	mg/kg-day	--	--	--
				Acenaphthene	3.99E-07	mg/m^3	2.2E-08	mg/kg-day	--	--	--

TABLE F-8.3.4.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (continued)	Air (continued)	Outdoor Air (continued)	Inhalation (particulates or VOCs) (continued)	Acenaphthylene	1.30E-07	mg/m^3	7.2E-09	mg/kg-day	--	--	--
				Aluminum	7.19E-06	mg/m^3	4.0E-07	mg/kg-day	--	--	--
				Anthracene	2.67E-07	mg/m^3	1.5E-08	mg/kg-day	--	--	--
				Antimony	1.51E-09	mg/m^3	8.3E-11	mg/kg-day	--	--	--
				Aroclor-1254	2.27E-11	mg/m^3	1.3E-12	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.51E-12
				Aroclor-1260	1.74E-10	mg/m^3	9.6E-12	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.92E-11
				Arsenic	1.80E-09	mg/m^3	9.9E-11	mg/kg-day	1.50E+01	(mg/kg-day)-1	1.49E-09
				Barium	3.39E-08	mg/m^3	1.9E-09	mg/kg-day	--	--	--
				Benzo(a)anthracene	5.23E-10	mg/m^3	2.9E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.11E-11
				Benzo(a)pyrene	1.07E-09	mg/m^3	5.9E-11	mg/kg-day	7.30E+00	(mg/kg-day)-1	4.33E-10
				Benzo(b)fluoranthene	3.82E-10	mg/m^3	2.1E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.54E-11
				Benzo(g,h,i)perylene	1.37E-10	mg/m^3	7.6E-12	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	1.89E-10	mg/m^3	1.0E-11	mg/kg-day	7.30E-02	(mg/kg-day)-1	7.64E-13
				Beryllium	7.70E-10	mg/m^3	4.3E-11	mg/kg-day	8.40E+00	(mg/kg-day)-1	3.57E-10
				Cadmium	3.27E-09	mg/m^3	1.8E-10	mg/kg-day	6.30E+00	(mg/kg-day)-1	1.14E-09
				Chromium	3.11E-08	mg/m^3	1.7E-09	mg/kg-day	--	--	--
				Chrysene	5.62E-10	mg/m^3	3.1E-11	mg/kg-day	7.30E-03	(mg/kg-day)-1	2.27E-13
				Cobalt	8.90E-09	mg/m^3	4.9E-10	mg/kg-day	9.80E+00	(mg/kg-day)-1	4.82E-09
				Copper	2.55E-08	mg/m^3	1.4E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	6.19E-11	mg/m^3	3.4E-12	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.50E-11
				Fluoranthene	9.61E-10	mg/m^3	5.3E-11	mg/kg-day	--	--	--
				Fluorene	2.05E-07	mg/m^3	1.1E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.07E-10	mg/m^3	1.1E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	8.34E-12
				Iron	1.16E-05	mg/m^3	6.4E-07	mg/kg-day	--	--	--
				Lead	5.36E-08	mg/m^3	3.0E-09	mg/kg-day	--	--	--
				Manganese	2.06E-07	mg/m^3	1.1E-08	mg/kg-day	--	--	--
				Mercury	2.25E-10	mg/m^3	1.2E-11	mg/kg-day	--	--	--
				Naphthalene	7.65E-07	mg/m^3	4.2E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	5.07E-09
				Nickel	2.25E-08	mg/m^3	1.2E-09	mg/kg-day	--	--	--
				Phenanthrene	5.07E-07	mg/m^3	2.8E-08	mg/kg-day	--	--	--
				Pyrene	3.17E-07	mg/m^3	1.8E-08	mg/kg-day	--	--	--
				Selenium	2.12E-10	mg/m^3	1.2E-11	mg/kg-day	--	--	--
				Silver	4.41E-10	mg/m^3	2.4E-11	mg/kg-day	--	--	--
				Thallium	5.65E-10	mg/m^3	3.1E-11	mg/kg-day	--	--	--
				Vanadium	2.62E-08	mg/m^3	1.4E-09	mg/kg-day	--	--	--
				Zinc	4.44E-08	mg/m^3	2.5E-09	mg/kg-day	--	--	--
			Exposure Route Total								**1.34E-08**
		Exposure Point Total									**1.34E-08**
	Exposure Medium Total										**1.34E-08**
Medium Total											**2.46E-05**
Groundwater	Groundwater	Domestic Use of Groundwater	Ingestion	1,1,1-Trichloroethane	2.23E-02	mg/L	1.22E-04	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	1.06E-02	mg/L	5.79E-05	mg/kg-day	5.70E-02	(mg/kg-day)-1	3.30E-06

TABLE F-6.3.4.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Ingestion (continued)	1,1-Dichlorethane	1.08E-01	mg/L	5.93E-04	mg/kg-day	5.70E-03	(mg/kg-day)-1	3.38E-06
				1,1-Dichlorethene	5.89E-01	mg/L	3.23E-03	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	6.20E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorobenzene	1.34E-02	mg/L	7.33E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorethane	1.25E-02	mg/L	6.84E-05	mg/kg-day	9.10E-02	(mg/kg-day)-1	6.22E-06
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	1.61E-03	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.00E-04	mg/L	5.48E-07	mg/kg-day	6.80E-02	(mg/kg-day)-1	3.73E-08
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	5.82E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,3-Dichlorobenzene	4.50E-03	mg/L	2.47E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,4-Dichlorobenzene	6.42E-03	mg/L	3.52E-05	mg/kg-day	2.40E-02	(mg/kg-day)-1	8.44E-07
				2-Butanone	7.10E-02	mg/L	3.89E-04	mg/kg-day	--	--	--
				2-Hexanone	2.00E-03	mg/L	1.10E-05	mg/kg-day	--	--	--
				2-Methylnaphthalene	7.00E-04	mg/L	3.84E-06	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/L	1.59E-04	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	2.00E-03	mg/L	1.10E-05	mg/kg-day	--	--	--
				Acenaphthylene	2.00E-03	mg/L	1.10E-05	mg/kg-day	--	--	--
				Acetone	1.65E+00	mg/L	9.06E-03	mg/kg-day	--	--	--
				Aluminum	9.88E-01	mg/L	5.41E-03	mg/kg-day	--	--	--
				Antimony	1.43E-02	mg/L	7.83E-05	mg/kg-day	--	--	--
				Arsenic	1.98E-02	mg/L	1.09E-04	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.63E-04
				Barium	2.70E-01	mg/L	1.48E-03	mg/kg-day	--	--	--
				Benzene	1.59E-02	mg/L	8.71E-05	mg/kg-day	5.50E-02	(mg/kg-day)-1	4.79E-06
				Benzo(a)anthracene	1.00E-04	mg/L	5.48E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.00E-07
				Benzo(a)pyrene	1.00E-04	mg/L	5.48E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	4.00E-06
				Beryllium	1.41E-03	mg/L	7.74E-06	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	3.89E-05	mg/kg-day	1.40E-02	(mg/kg-day)-1	5.44E-07
				Bromodichloromethane	7.10E-03	mg/L	3.89E-05	mg/kg-day	6.20E-02	(mg/kg-day)-1	2.41E-06
				Cadmium	1.60E-02	mg/L	8.78E-05	mg/kg-day	--	--	--
				Carbon disulfide	7.53E-03	mg/L	4.12E-05	mg/kg-day	--	--	--
				Chlorobenzene	6.07E-03	mg/L	3.33E-05	mg/kg-day	--	--	--
				Chloroethane	1.23E-02	mg/L	6.77E-05	mg/kg-day	2.90E-03	(mg/kg-day)-1	1.96E-07
				Chloroform	7.44E-03	mg/L	4.08E-05	mg/kg-day	--	--	--
				Chloromethane	7.26E-03	mg/L	3.98E-05	mg/kg-day	--	--	--
				Chromium	1.52E-01	mg/L	8.33E-04	mg/kg-day	--	--	--
				Chromium (VI)	4.72E-01	mg/L	2.59E-03	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	5.55E-02	mg/L	3.04E-04	mg/kg-day	--	--	--
				Cobalt	1.51E-02	mg/L	8.28E-05	mg/kg-day	--	--	--
				Copper	1.24E-02	mg/L	6.79E-05	mg/kg-day	--	--	--
				Cyanide	6.60E-02	mg/L	3.62E-04	mg/kg-day	--	--	--
				Ethylbenzene	7.18E-03	mg/L	3.94E-05	mg/kg-day	--	--	--
				Fluoranthene	1.80E-03	mg/L	9.86E-06	mg/kg-day	--	--	--
				Fluorene	1.00E-03	mg/L	5.48E-06	mg/kg-day	--	--	--

TABLE F-8.3.4.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Ingestion (continued)	Hexachlorobutadiene	4.00E-04	mg/L	2.19E-06	mg/kg-day	7.80E-02	(mg/kg-day)-1	1.71E-07
				Iron	1.70E+01	mg/L	9.31E-02	mg/kg-day	--	--	--
				Isopropylbenzene	5.50E-03	mg/L	3.01E-05	mg/kg-day	--	--	--
				Lead	7.38E-03	mg/L	4.04E-05	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	7.25E-05	mg/kg-day	--	--	--
				Manganese	9.91E+00	mg/L	5.43E-02	mg/kg-day	--	--	--
				Mercury	4.40E-05	mg/L	2.41E-07	mg/kg-day	--	--	--
				Methylene chloride	9.90E-03	mg/L	5.43E-05	mg/kg-day	7.50E-03	(mg/kg-day)-1	4.07E-07
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	3.82E-05	mg/kg-day	1.80E-03	(mg/kg-day)-1	6.87E-08
				Molybdenum	7.50E-02	mg/L	4.11E-04	mg/kg-day	--	--	--
				Naphthalene	3.35E-02	mg/L	1.83E-04	mg/kg-day	1.20E-01	(mg/kg-day)-1	2.20E-05
				n-Butylbenzene	2.40E-03	mg/L	1.32E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Nickel	1.83E-01	mg/L	1.00E-03	mg/kg-day	--	--	--
				n-Propylbenzene	1.22E-02	mg/L	6.70E-05	mg/kg-day	--	(mg/kg-day)-1	--
				o-Xylene	6.86E-03	mg/L	3.76E-05	mg/kg-day	--	--	--
				Phenanthrene	2.00E-03	mg/L	1.10E-05	mg/kg-day	--	--	--
				Phenol	6.60E-03	mg/L	3.61E-05	mg/kg-day	--	--	--
				p-Isopropyltoluene	8.00E-04	mg/L	4.38E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Pyrene	3.00E-03	mg/L	1.64E-05	mg/kg-day	--	--	--
				sec-Butylbenzene	5.00E-04	mg/L	2.74E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Selenium	1.08E-02	mg/L	5.92E-05	mg/kg-day	--	--	--
				Silver	5.48E-03	mg/L	3.00E-05	mg/kg-day	--	--	--
				Tert-Butanol	4.21E-01	mg/L	2.31E-03	mg/kg-day	--	(mg/kg-day)-1	--
				tert-Butylbenzene	3.00E-04	mg/L	1.64E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Tetrachloroethene	5.84E-03	mg/L	3.20E-05	mg/kg-day	5.40E-01	(mg/kg-day)-1	1.73E-05
				Thallium	8.12E-03	mg/L	4.45E-05	mg/kg-day	--	--	--
				Toluene	6.35E-03	mg/L	3.48E-05	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.16E-02	mg/L	6.36E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Trichloroethene	1.00E+00	mg/L	5.48E-03	mg/kg-day	4.00E-01	(mg/kg-day)-1	2.19E-03
				Vanadium	2.85E-02	mg/L	1.56E-04	mg/kg-day	--	--	--
				Vinyl chloride	2.54E-02	mg/L	1.39E-04	mg/kg-day	7.20E-01	(mg/kg-day)-1	1.00E-04
				Xylene (Total)	1.75E-02	mg/L	9.58E-05	mg/kg-day	--	--	--
				Zinc	1.50E-01	mg/L	8.20E-04	mg/kg-day	--	--	--
			Exposure Route Total								**2.52E-03**
			Dermal (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/L	1.38E-05	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	1.06E-02	mg/L	2.46E-06	mg/kg-day	5.70E-02	(mg/kg-day)-1	1.40E-07
				1,1-Dichlorethane	1.08E-01	mg/L	3.47E-05	mg/kg-day	5.70E-03	(mg/kg-day)-1	1.98E-07
				1,1-Dichlorethene	5.89E-01	mg/L	3.39E-04	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	3.86E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorobenzene	1.34E-02	mg/L	3.19E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorethane	1.25E-02	mg/L	2.41E-06	mg/kg-day	9.10E-02	(mg/kg-day)-1	2.19E-07
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	1.58E-04	mg/kg-day	--	--	--

TABLE F-8.3.4.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Dermal (bathing/ showering) (continued)	1,2-Dichloropropane	1.00E-04	mg/L	3.59E-08	mg/kg-day	6.80E-02	(mg/kg-day)-1	2.44E-09
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	3.63E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,3-Dichlorobenzene	4.50E-03	mg/L	1.26E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,4-Dichlorobenzene	6.42E-03	mg/L	1.44E-05	mg/kg-day	2.40E-02	(mg/kg-day)-1	3.45E-07
				2-Butanone	7.10E-02	mg/L	2.85E-06	mg/kg-day	--	--	--
				2-Hexanone	2.00E-03	mg/L	3.22E-07	mg/kg-day	--	--	--
				2-Methylnaphthalene	7.00E-04	mg/L	3.59E-06	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/L	4.16E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	2.00E-03	mg/L	9.62E-06	mg/kg-day	--	--	--
				Acenaphthylene	2.00E-03	mg/L	1.02E-05	mg/kg-day	--	--	--
				Acetone	1.65E+00	mg/L	3.40E-05	mg/kg-day	--	--	--
				Aluminum	9.88E-01	mg/L	7.64E-05	mg/kg-day	--	--	--
				Antimony	1.43E-02	mg/L	5.63E-07	mg/kg-day	--	--	--
				Arsenic	1.98E-02	mg/L	1.38E-06	mg/kg-day	1.50E+00	(mg/kg-day)-1	2.07E-06
				Barium	2.70E-01	mg/L	3.93E-06	mg/kg-day	--	--	--
				Benzene	1.59E-02	mg/L	1.19E-05	mg/kg-day	5.50E-02	(mg/kg-day)-1	6.54E-07
				Benzo(a)anthracene	1.00E-04	mg/L	3.43E-06	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.50E-06
				Benzo(a)pyrene	1.00E-04	mg/L	4.48E-06	mg/kg-day	7.30E+00	(mg/kg-day)-1	3.27E-05
				Beryllium	1.41E-03	mg/L	3.37E-08	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	5.05E-04	mg/kg-day	--	(mg/kg-day)-1	--
				Bromodichloromethane	7.10E-03	mg/L	1.29E-06	mg/kg-day	6.20E-02	(mg/kg-day)-1	7.99E-08
				Cadmium	1.60E-02	mg/L	2.03E-07	mg/kg-day	--	--	--
				Carbon disulfide	7.53E-03	mg/L	4.25E-06	mg/kg-day	--	--	--
				Chlorobenzene	6.07E-03	mg/L	8.94E-06	mg/kg-day	--	--	--
				Chloroethane	1.23E-02	mg/L	3.56E-06	mg/kg-day	2.90E-03	(mg/kg-day)-1	1.03E-08
				Chloroform	7.44E-03	mg/L	2.40E-06	mg/kg-day	--	--	--
				Chloromethane	7.26E-03	mg/L	1.09E-06	mg/kg-day	--	--	--
				Chromium	1.52E-01	mg/L	5.50E-06	mg/kg-day	--	--	--
				Chromium (VI)	4.72E-01	mg/L	1.71E-05	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	5.55E-02	mg/L	2.99E-05	mg/kg-day	--	--	--
				Cobalt	1.51E-02	mg/L	6.62E-07	mg/kg-day	--	--	--
				Copper	1.24E-02	mg/L	1.37E-07	mg/kg-day	--	--	--
				Cyanide	6.60E-02	mg/L	2.07E-06	mg/kg-day	--	--	--
				Ethylbenzene	7.18E-03	mg/L	1.92E-05	mg/kg-day	--	--	--
				Fluoranthene	1.80E-03	mg/L	3.34E-05	mg/kg-day	--	--	--
				Fluorene	1.00E-03	mg/L	6.18E-06	mg/kg-day	--	--	--
				Hexachlorobutadiene	4.00E-04	mg/L	1.75E-06	mg/kg-day	7.80E-02	(mg/kg-day)-1	1.37E-07
				Iron	1.70E+01	mg/L	1.52E-04	mg/kg-day	--	--	--
				Isopropylbenzene	5.50E-03	mg/L	2.78E-05	mg/kg-day	--	--	--
				Lead	7.38E-03	mg/L	9.12E-08	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	3.84E-05	mg/kg-day	--	--	--
				Manganese	9.91E+00	mg/L	4.59E-04	mg/kg-day	--	--	--

TABLE F-8.3.4.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Dermal (bathing/ showering) (continued)	Mercury	4.40E-05	mg/L	1.59E-09	mg/kg-day	--	--	--
				Methylene chloride	9.90E-03	mg/L	1.60E-06	mg/kg-day	7.50E-03	(mg/kg-day)-1	1.20E-08
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	6.48E-07	mg/kg-day	1.80E-03	(mg/kg-day)-1	1.17E-09
				Molybdenum	7.50E-02	mg/L	1.95E-06	mg/kg-day	--	--	--
				Naphthalene	3.35E-02	mg/L	8.40E-05	mg/kg-day	1.20E-01	(mg/kg-day)-1	1.01E-05
				n-Butylbenzene	2.40E-03	mg/L	1.22E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Nickel	1.83E-01	mg/L	2.18E-06	mg/kg-day	--	--	--
				n-Propylbenzene	1.22E-02	mg/L	6.19E-05	mg/kg-day	--	(mg/kg-day)-1	--
				o-Xylene	6.86E-03	mg/L	1.75E-05	mg/kg-day	--	--	--
				Phenanthrene	2.00E-03	mg/L	1.66E-05	mg/kg-day	--	--	--
				Phenol	6.60E-03	mg/L	1.32E-06	mg/kg-day	--	--	--
				p-Isopropyltoluene	8.00E-04	mg/L	4.05E-06	mg/kg-day	0.00E+00	(mg/kg-day)-1	0.00E+00
				Pyrene	3.00E-03	mg/L	3.52E-05	mg/kg-day	--	--	--
				sec-Butylbenzene	5.00E-04	mg/L	2.53E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Selenium	1.08E-02	mg/L	3.53E-07	mg/kg-day	--	--	--
				Silver	5.48E-03	mg/L	1.21E-07	mg/kg-day	--	--	--
				Tert-Butanol	4.21E-01	mg/L	2.89E-05	mg/kg-day	--	(mg/kg-day)-1	--
				tert-Butylbenzene	3.00E-04	mg/L	1.52E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Tetrachloroethene	5.84E-03	mg/L	1.02E-05	mg/kg-day	5.40E-01	(mg/kg-day)-1	5.49E-06
				Thallium	8.12E-03	mg/L	2.94E-07	mg/kg-day	--	--	--
				Toluene	6.35E-03	mg/L	1.04E-05	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.16E-02	mg/L	2.02E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Trichloroethene	1.00E+00	mg/L	5.68E-04	mg/kg-day	4.00E-01	(mg/kg-day)-1	2.27E-04
				Vanadium	2.85E-02	mg/L	1.39E-06	mg/kg-day	--	--	--
				Vinyl chloride	2.54E-02	mg/L	1.04E-05	mg/kg-day	7.20E-01	(mg/kg-day)-1	7.47E-06
				Xylene (Total)	1.75E-02	mg/L	5.07E-05	mg/kg-day	--	--	--
				Zinc	1.50E-01	mg/L	1.85E-06	mg/kg-day	--	--	--
			Exposure Route Total								**2.89E-04**
		Exposure Point Total									**2.81E-03**
	Exposure Medium Total										**2.81E-03**
	Air	Domestic Use of Groundwater Indoors	Inhalation (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/L	2.57E-05	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	1.06E-02	mg/L	1.22E-05	mg/kg-day	5.60E-02	(mg/kg-day)-1	6.81E-07
				1,1-Dichlorethane	1.08E-01	mg/L	1.24E-04	mg/kg-day	5.70E-03	(mg/kg-day)-1	7.10E-07
				1,1-Dichlorethene	5.89E-01	mg/L	6.78E-04	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	1.30E-05	mg/kg-day	--	--	--
				1,2-Dichlorobenzene	1.34E-02	mg/L	1.54E-05	mg/kg-day	--	--	--
				1,2-Dichlorethane	1.25E-02	mg/L	1.44E-05	mg/kg-day	9.10E-02	(mg/kg-day)-1	1.31E-06
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	3.38E-04	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.00E-04	mg/L	1.15E-07	mg/kg-day	6.80E-02	(mg/kg-day)-1	7.82E-09
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	1.22E-05	mg/kg-day	--	--	--
				1,3-Dichlorobenzene	4.50E-03	mg/L	5.18E-06	mg/kg-day	--	--	--
				1,4-Dichlorobenzene	6.42E-03	mg/L	7.39E-06	mg/kg-day	2.20E-02	(mg/kg-day)-1	1.62E-07

TABLE F-8.3.4.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Domestic Use of Groundwater Indoors (continued)	Inhalation (bathing/ showering) (continued)	2-Butanone	7.10E-02	mg/L	8.17E-05	mg/kg-day	--	--	--
				2-Hexanone	2.00E-03	mg/L	2.30E-06	mg/kg-day	--	--	--
				2-MethylNaphthalene	7.00E-04	mg/L	8.05E-07	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/L	3.34E-05	mg/kg-day	--	--	--
				Acenaphthene	2.00E-03	mg/L	2.30E-06	mg/kg-day	--	--	--
				Acenaphthylene	2.00E-03	mg/L	2.30E-06	mg/kg-day	--	--	--
				Acetone	1.65E+00	mg/L	1.90E-03	mg/kg-day	--	--	--
				Benzene	1.59E-02	mg/L	1.83E-05	mg/kg-day	2.70E-02	(mg/kg-day)-1	4.94E-07
				Bromodichloromethane	7.10E-03	mg/L	8.17E-06	mg/kg-day	6.20E-02	(mg/kg-day)-1	5.07E-07
				Carbon disulfide	7.53E-03	mg/L	8.66E-06	mg/kg-day	--	--	--
				Chlorobenzene	6.07E-03	mg/L	6.99E-06	mg/kg-day	--	--	--
				Chloroethane	1.23E-02	mg/L	1.42E-05	mg/kg-day	2.90E-03	(mg/kg-day)-1	4.12E-08
				Chloroform	7.44E-03	mg/L	8.56E-06	mg/kg-day	8.05E-02	(mg/kg-day)-1	6.89E-07
				Chloromethane	7.26E-03	mg/L	8.35E-06	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	5.55E-02	mg/L	6.39E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Cyanide	6.60E-02	mg/L	7.59E-05	mg/kg-day	--	--	--
				Ethylbenzene	7.18E-03	mg/L	8.27E-06	mg/kg-day	--	--	--
				Fluorene	1.00E-03	mg/L	1.15E-06	mg/kg-day	--	--	--
				Hexachlorobutadiene	4.00E-04	mg/L	4.60E-07	mg/kg-day	7.80E-02	(mg/kg-day)-1	3.59E-08
				Isopropylbenzene	5.50E-03	mg/L	6.33E-06	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	1.52E-05	mg/kg-day	--	--	--
				Methylene Chloride	9.90E-03	mg/L	1.14E-05	mg/kg-day	1.65E-03	(mg/kg-day)-1	1.87E-08
				Methyl-T-Butyl-ether	6.97E-03	mg/L	8.02E-06	mg/kg-day	9.10E-04	(mg/kg-day)-1	7.30E-09
				Naphthalene	3.35E-02	mg/L	3.85E-05	mg/kg-day	1.20E-01	(mg/kg-day)-1	4.62E-06
				n-Butylbenzene	2.40E-03	mg/L	2.76E-06	mg/kg-day	--	--	--
				n-propylbenzene	1.22E-02	mg/L	1.41E-05	mg/kg-day	--	--	--
				o-Xylene	6.86E-03	mg/L	7.89E-06	mg/kg-day	--	--	--
				Phenanthrene	2.00E-03	mg/L	2.30E-06	mg/kg-day	--	--	--
				Pyrene	3.00E-03	mg/L	3.45E-06	mg/kg-day	--	--	--
				sec-Butylbenzene	5.00E-04	mg/L	5.75E-07	mg/kg-day	--	--	--
				tert-Butylbenzene	3.00E-04	mg/L	3.45E-07	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.16E-02	mg/L	1.34E-05	mg/kg-day	--	--	--
				Tetrachloroethene	5.84E-03	mg/L	6.73E-06	mg/kg-day	2.10E-02	(mg/kg-day)-1	1.41E-07
				Toluene	6.35E-03	mg/L	7.31E-06	mg/kg-day	--	--	--
				Trichloroethene	1.00E+00	mg/L	1.15E-03	mg/kg-day	4.00E-01	(mg/kg-day)-1	4.60E-04
				Vinyl chloride	2.54E-02	mg/L	2.92E-05	mg/kg-day	3.10E-02	(mg/kg-day)-1	9.05E-07
				Xylene (Total)	1.75E-02	mg/L	2.01E-05	mg/kg-day	--	--	--
			Exposure Route Total								**4.71E-04**
		Exposure Point Total									**4.71E-04**
		Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-03	mg/m^3	1.11E-04	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	4.59E-05	mg/m^3	2.53E-06	mg/kg-day	5.60E-02	(mg/kg-day)-1	1.42E-07
				1,1-Dichlorethane	3.16E-03	mg/m^3	1.75E-04	mg/kg-day	5.70E-03	(mg/kg-day)-1	9.95E-07

TABLE F-8.3.4.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	1,1-Dichlorethene	9.92E-02	mg/m^3	5.48E-03	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	2.33E-04	mg/m^3	1.29E-05	mg/kg-day	--	--	--
				1,2-Dichlorobenzene	9.49E-05	mg/m^3	5.24E-06	mg/kg-day	--	--	--
				1,2-Dichlorethane	7.70E-05	mg/m^3	4.25E-06	mg/kg-day	9.10E-02	(mg/kg-day)-1	3.87E-07
				1,2-Dichlorethene (Total)	6.08E-03	mg/m^3	3.36E-04	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.41E-06	mg/m^3	7.77E-08	mg/kg-day	6.80E-02	(mg/kg-day)-1	5.28E-09
				1,3,5-Trimethylbenzene	2.08E-04	mg/m^3	1.15E-05	mg/kg-day	--	--	--
				1,3-Dichlorobenzene	5.39E-05	mg/m^3	2.98E-06	mg/kg-day	--	--	--
				1,4-Dichlorobenzene	5.92E-05	mg/m^3	3.27E-06	mg/kg-day	2.20E-02	(mg/kg-day)-1	7.19E-08
				2-Butanone	2.35E-05	mg/m^3	1.30E-06	mg/kg-day	--	--	--
				2-Hexanone	1.31E-06	mg/m^3	7.25E-08	mg/kg-day	--	--	--
				2-MethylNaphthalene	8.28E-07	mg/m^3	4.57E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-05	mg/m^3	1.05E-06	mg/kg-day	--	--	--
				Acenaphthene	6.52E-07	mg/m^3	3.60E-08	mg/kg-day	--	--	--
				Acenaphthylene	6.52E-07	mg/m^3	3.60E-08	mg/kg-day	--	--	--
				Acetone	5.45E-04	mg/m^3	3.01E-05	mg/kg-day	--	--	--
				Benzene	5.01E-04	mg/m^3	2.77E-05	mg/kg-day	2.70E-02	(mg/kg-day)-1	7.47E-07
				Bromodichloromethane	2.55E-05	mg/m^3	1.41E-06	mg/kg-day	6.20E-02	(mg/kg-day)-1	8.74E-08
				Carbon disulfide	1.61E-03	mg/m^3	8.88E-05	mg/kg-day	--	--	--
				Chlorobenzene	9.89E-05	mg/m^3	5.46E-06	mg/kg-day	--	--	--
				Chloroethane	1.47E-03	mg/m^3	8.11E-05	mg/kg-day	2.90E-03	(mg/kg-day)-1	2.35E-07
				Chloroform	1.82E-04	mg/m^3	1.01E-05	mg/kg-day	8.05E-02	(mg/kg-day)-1	8.10E-07
				Chloromethane	5.88E-04	mg/m^3	3.25E-05	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	1.15E-03	mg/m^3	6.35E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Cyanide	9.60E-05	mg/m^3	5.30E-06	mg/kg-day	--	--	--
				Ethylbenzene	2.48E-04	mg/m^3	1.37E-05	mg/kg-day	--	--	--
				Fluorene	1.34E-07	mg/m^3	7.40E-09	mg/kg-day	--	--	--
				Hexachlorobutadiene	9.57E-06	mg/m^3	5.29E-07	mg/kg-day	7.80E-02	(mg/kg-day)-1	4.12E-08
				Isopropylbenzene	2.12E-02	mg/m^3	1.17E-03	mg/kg-day	--	--	--
				m,p-Xylene	4.52E-04	mg/m^3	2.49E-05	mg/kg-day	--	--	--
				Methylene Chloride	1.47E-04	mg/m^3	8.11E-06	mg/kg-day	1.65E-03	(mg/kg-day)-1	1.33E-08
				Methyl-T-Butyl-ether	2.95E-05	mg/m^3	1.63E-06	mg/kg-day	9.10E-04	(mg/kg-day)-1	1.49E-09
				Naphthalene	5.03E-05	mg/m^3	2.78E-06	mg/kg-day	1.20E-01	(mg/kg-day)-1	3.33E-07
				n-Butylbenzene	9.94E-05	mg/m^3	5.49E-06	mg/kg-day	--	--	--
				n-propylbenzene	4.44E-04	mg/m^3	2.45E-05	mg/kg-day	--	--	--
				o-Xylene	1.73E-04	mg/m^3	9.54E-06	mg/kg-day	--	--	--
				Phenanthrene	1.75E-07	mg/m^3	9.69E-09	mg/kg-day	--	--	--
				Pyrene	6.77E-08	mg/m^3	3.74E-09	mg/kg-day	--	--	--
				sec-Butylbenzene	5.50E-08	mg/m^3	3.04E-09	mg/kg-day	--	--	--
				tert-Butylbenzene	1.30E-05	mg/m^3	7.17E-07	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	9.43E-04	mg/m^3	5.21E-05	mg/kg-day	--	--	--
				Tetrachloroethene	4.75E-04	mg/m^3	2.62E-05	mg/kg-day	2.10E-02	(mg/kg-day)-1	5.51E-07

TABLE F-6.3.4.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	Toluene	2.22E-04	mg/m^3	1.22E-05	mg/kg-day	--	--	--
				Trichloroethene	5.23E-02	mg/m^3	2.89E-03	mg/kg-day	4.00E-01	(mg/kg-day)-1	1.16E-03
				Vinyl chloride	5.47E-03	mg/m^3	3.02E-04	mg/kg-day	3.10E-02	(mg/kg-day)-1	9.37E-06
				Xylene (Total)	5.96E-04	mg/m^3	3.29E-05	mg/kg-day	--	--	--
			Exposure Route Total								**1.17E-03**
		Exposure Point Total									**1.17E-03**
	Exposure Medium Total										**1.64E-03**
Medium Total											**4.45E-03**
										Total of Receptor Hazards Across All Media	**4.48E-03**

Notes:

--	Not applicable or not available
CSF	Cancer slope factor
EPA	U.S. Environmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligram per kilogram
mg/kg-day	Milligram per kilogram per day
(mg/kg-day)-1	1/(Milligram per kilogram per day)
mg/L	Milligram per liter
mg/m^3	Milligram per cubic meter
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile Organic Compound

See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-8.3.5.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Ingestion	2,4-Dimethylphenol	3.80E-02	mg/kg	1.33E-08	mg/kg-day	--	(mg/kg-day)-1	--
				2-Methylnaphthalene	3.27E-02	mg/kg	1.14E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	3.42E+00	mg/kg	1.20E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	1.50E-01	mg/kg	5.24E-08	mg/kg-day	--	--	--
				Acenaphthylene	1.62E-02	mg/kg	5.67E-09	mg/kg-day	--	--	--
				Aluminum	6.87E+03	mg/kg	2.40E-03	mg/kg-day	--	--	--
				Anthracene	4.08E-01	mg/kg	1.42E-07	mg/kg-day	--	--	--
				Antimony	2.60E+00	mg/kg	9.09E-07	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	1.05E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.10E-08
				Aroclor-1260	2.01E-01	mg/kg	7.01E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.40E-07
				Arsenic	2.50E+00	mg/kg	8.75E-07	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.31E-06
				Barium	4.09E+01	mg/kg	1.43E-05	mg/kg-day	--	--	--
				Benzene	1.20E-03	mg/kg	4.19E-10	mg/kg-day	5.50E-02	(mg/kg-day)-1	2.31E-11
				Benzo(a)anthracene	1.63E+00	mg/kg	5.70E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.16E-07
				Benzo(a)pyrene	7.72E-01	mg/kg	2.70E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.97E-06
				Benzo(b)fluoranthene	1.44E+00	mg/kg	5.04E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	3.68E-07
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	9.91E-08	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	3.49E-01	mg/kg	1.22E-07	mg/kg-day	7.30E-02	(mg/kg-day)-1	8.90E-09
				Beryllium	2.00E+00	mg/kg	6.99E-07	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	9.83E-08	mg/kg-day	1.40E-02	(mg/kg-day)-1	1.38E-09
				Cadmium	3.74E+00	mg/kg	1.31E-06	mg/kg-day	--	--	--
				Carbazole	7.80E-01	mg/kg	2.73E-07	mg/kg-day	2.00E-02	(mg/kg-day)-1	5.45E-09
				Carbon disulfide	5.00E-03	mg/kg	1.75E-09	mg/kg-day	--	--	--
				Chlorobenzene	2.00E-03	mg/kg	6.99E-10	mg/kg-day	--	--	--
				Chloroform	2.00E-03	mg/kg	6.99E-10	mg/kg-day	--	--	--
				Chromium	3.55E+01	mg/kg	1.24E-05	mg/kg-day	--	--	--
				Chrysene	1.37E+00	mg/kg	4.78E-07	mg/kg-day	7.30E-03	(mg/kg-day)-1	3.49E-09
				Cobalt	7.70E+00	mg/kg	2.69E-06	mg/kg-day	--	--	--
				Copper	1.90E+01	mg/kg	6.64E-06	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	3.62E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.64E-07
				Dibenzofuran	1.70E-01	mg/kg	5.94E-08	mg/kg-day	--	--	--
				di-n-Butylphthalate	9.20E-02	mg/kg	3.21E-08	mg/kg-day	--	(mg/kg-day)-1	--
				Fluoranthene	4.84E+00	mg/kg	1.69E-06	mg/kg-day	--	--	--
				Fluorene	1.90E-01	mg/kg	6.65E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	8.39E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	6.12E-08
				Iron	1.24E+04	mg/kg	4.34E-03	mg/kg-day	--	--	--
				Lead	2.91E+01	mg/kg	1.02E-05	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	6.90E-05	mg/kg-day	--	--	--
				Mercury	6.30E-01	mg/kg	2.20E-07	mg/kg-day	--	--	--
				Methylene chloride	2.50E-02	mg/kg	8.74E-09	mg/kg-day	7.50E-03	(mg/kg-day)-1	6.55E-11
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	2.52E-08	mg/kg-day	1.80E-03	(mg/kg-day)-1	4.53E-11
				Molybdenum	8.70E-01	mg/kg	3.04E-07	mg/kg-day	--	--	--

TABLE F-6.3.5.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Ingestion (continued)	Naphthalene	4.32E-02	mg/kg	1.51E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	1.81E-09
				Nickel	3.99E+01	mg/kg	1.40E-05	mg/kg-day	--	--	--
				Phenanthrene	1.91E+00	mg/kg	6.69E-07	mg/kg-day	--	--	--
				Pyrene	2.22E+00	mg/kg	7.76E-07	mg/kg-day	--	--	--
				Selenium	2.88E-01	mg/kg	1.01E-07	mg/kg-day	--	--	--
				Silver	1.80E+00	mg/kg	6.29E-07	mg/kg-day	--	--	--
				Thallium	4.68E-01	mg/kg	1.64E-07	mg/kg-day	--	--	--
				Vanadium	2.70E+01	mg/kg	9.43E-06	mg/kg-day	--	--	--
				Xylene (Total)	2.00E-03	mg/kg	6.99E-10	mg/kg-day	--	--	--
				Zinc	4.30E+01	mg/kg	1.50E-05	mg/kg-day	--	--	--
			Exposure Route Total								**4.57E-06**
			Dermal	2,4-Dimethylphenol	3.80E-02	mg/kg	8.8E-10	mg/kg-day	--	(mg/kg-day)-1	--
				2-Methylnaphthalene	3.27E-02	mg/kg	7.5E-10	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	3.42E+00	mg/kg	7.9E-08	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	1.50E-01	mg/kg	4.5E-08	mg/kg-day	--	--	--
				Acenaphthylene	1.62E-02	mg/kg	3.7E-10	mg/kg-day	--	--	--
				Aluminum	6.87E+03	mg/kg	1.6E-05	mg/kg-day	--	--	--
				Anthracene	4.08E-01	mg/kg	1.2E-07	mg/kg-day	--	--	--
				Antimony	2.60E+00	mg/kg	6.0E-09	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	9.7E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.94E-08
				Aroclor-1260	2.01E-01	mg/kg	6.5E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.30E-07
				Arsenic	2.50E+00	mg/kg	1.7E-07	mg/kg-day	1.50E+00	(mg/kg-day)-1	2.60E-07
				Barium	4.09E+01	mg/kg	9.4E-08	mg/kg-day	--	--	--
				Benzene	1.20E-03	mg/kg	2.8E-11	mg/kg-day	5.50E-02	(mg/kg-day)-1	1.52E-12
				Benzo(a)anthracene	1.63E+00	mg/kg	4.9E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	3.57E-07
				Benzo(a)pyrene	7.72E-01	mg/kg	2.3E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.69E-06
				Benzo(b)fluoranthene	1.44E+00	mg/kg	4.3E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	3.16E-07
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	8.5E-08	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	3.49E-01	mg/kg	1.0E-07	mg/kg-day	7.30E-02	(mg/kg-day)-1	7.64E-09
				Beryllium	2.00E+00	mg/kg	4.6E-09	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	6.5E-09	mg/kg-day	--	(mg/kg-day)-1	--
				Cadmium	3.74E+00	mg/kg	8.6E-09	mg/kg-day	--	--	--
				Carbazole	7.80E-01	mg/kg	1.8E-08	mg/kg-day	2.00E-02	(mg/kg-day)-1	3.60E-10
				Carbon disulfide	5.00E-03	mg/kg	2.9E-09	mg/kg-day	--	--	--
				Chlorobenzene	2.00E-03	mg/kg	4.6E-11	mg/kg-day	--	--	--
				Chloroform	2.00E-03	mg/kg	4.6E-11	mg/kg-day	--	--	--
				Chromium	3.55E+01	mg/kg	8.2E-08	mg/kg-day	--	--	--
				Chrysene	1.37E+00	mg/kg	4.1E-07	mg/kg-day	7.30E-03	(mg/kg-day)-1	2.99E-09
				Cobalt	7.70E+00	mg/kg	1.8E-08	mg/kg-day	--	--	--
				Copper	1.90E+01	mg/kg	4.4E-08	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	3.1E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.27E-07
				Dibenzofuran	1.70E-01	mg/kg	3.9E-09	mg/kg-day	--	--	--

TABLE F-8.3.5.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Dermal (continued)	di-n-Butylphthalate	9.20E-02	mg/kg	2.1E-09	mg/kg-day	--	(mg/kg-day)-1	--
				Fluoranthene	4.84E+00	mg/kg	1.5E-06	mg/kg-day	--	--	--
				Fluorene	1.90E-01	mg/kg	5.7E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	7.2E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	5.25E-08
				Iron	1.24E+04	mg/kg	2.9E-05	mg/kg-day	--	--	--
				Lead	2.91E+01	mg/kg	6.7E-08	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	4.6E-07	mg/kg-day	--	--	--
				Mercury	6.30E-01	mg/kg	--	mg/kg-day	--	--	--
				Methylene chloride	2.50E-02	mg/kg	5.8E-10	mg/kg-day	7.50E-03	(mg/kg-day)-1	4.32E-12
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	1.7E-09	mg/kg-day	1.80E-03	(mg/kg-day)-1	2.99E-12
				Molybdenum	8.70E-01	mg/kg	2.0E-09	mg/kg-day	--	--	--
				Naphthalene	4.32E-02	mg/kg	1.3E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	1.55E-09
				Nickel	3.99E+01	mg/kg	9.2E-08	mg/kg-day	--	--	--
				Phenanthrene	1.91E+00	mg/kg	4.4E-08	mg/kg-day	--	--	--
				Pyrene	2.22E+00	mg/kg	6.7E-07	mg/kg-day	--	--	--
				Selenium	2.88E-01	mg/kg	6.7E-10	mg/kg-day	--	--	--
				Silver	1.80E+00	mg/kg	4.2E-09	mg/kg-day	--	--	--
				Thallium	4.68E-01	mg/kg	--	mg/kg-day	--	--	--
				Vanadium	2.70E+01	mg/kg	6.2E-08	mg/kg-day	--	--	--
				Xylene (Total)	2.00E-03	mg/kg	4.6E-11	mg/kg-day	--	--	--
				Zinc	4.30E+01	mg/kg	9.9E-08	mg/kg-day	--	--	--
			Exposure Route Total								**3.06E-06**
		Exposure Point Total									**7.64E-06**
	Exposure Medium Total										**7.64E-06**
	Air	Outdoor Air	Inhalation (particulates or VOCs)	2,4-Dimethylphenol	2.88E-11	mg/m^3	2.0E-12	mg/kg-day	--	--	--
				2-Methylnaphthalene	2.31E-07	mg/m^3	1.6E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.37E-04	mg/m^3	9.6E-06	mg/kg-day	--	--	--
				Acenaphthene	8.34E-07	mg/m^3	5.8E-08	mg/kg-day	--	--	--
				Acenaphthylene	9.01E-08	mg/m^3	6.3E-09	mg/kg-day	--	--	--
				Aluminum	5.21E-06	mg/m^3	3.6E-07	mg/kg-day	--	--	--
				Anthracene	5.82E-07	mg/m^3	4.1E-08	mg/kg-day	--	--	--
				Antimony	1.97E-09	mg/m^3	1.4E-10	mg/kg-day	--	--	--
				Aroclor-1254	2.27E-11	mg/m^3	1.6E-12	mg/kg-day	2.00E+00	(mg/kg-day)-1	3.18E-12
				Aroclor-1260	1.52E-10	mg/m^3	1.1E-11	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.12E-11
				Arsenic	1.90E-09	mg/m^3	1.3E-10	mg/kg-day	1.50E+01	(mg/kg-day)-1	1.99E-09
				Barium	3.10E-08	mg/m^3	2.2E-09	mg/kg-day	--	--	--
				Benzene	4.44E-07	mg/m^3	3.1E-08	mg/kg-day	2.70E-02	(mg/kg-day)-1	8.39E-10
				Benzo(a)anthracene	1.24E-09	mg/m^3	8.6E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	6.30E-11
				Benzo(a)pyrene	5.85E-10	mg/m^3	4.1E-11	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.99E-10
				Benzo(b)fluoranthene	1.09E-09	mg/m^3	7.6E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	5.57E-11
				Benzo(g,h,i)perylene	2.15E-10	mg/m^3	1.5E-11	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.64E-10	mg/m^3	1.8E-11	mg/kg-day	7.30E-02	(mg/kg-day)-1	1.35E-12

TABLE F-6.3.5.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Air (continued)	Outdoor Air (continued)	Inhalation (particulates or VOCs) (continued)	Beryllium	1.52E-09	mg/m^3	1.1E-10	mg/kg-day	8.40E+00	(mg/kg-day)-1	8.90E-10
				bis(2-ethylhexyl)phthalate	2.13E-10	mg/m^3	1.5E-11	mg/kg-day	1.40E-02	(mg/kg-day)-1	2.09E-13
				Cadmium	2.83E-09	mg/m^3	2.0E-10	mg/kg-day	6.30E+00	(mg/kg-day)-1	1.25E-09
				Carbazole	5.91E-10	mg/m^3	4.1E-11	mg/kg-day	2.00E-02	(mg/kg-day)-1	8.26E-13
				Carbon disulfide	4.17E-06	mg/m^3	2.9E-07	mg/kg-day	--	--	--
				Chlorobenzene	3.17E-07	mg/m^3	2.2E-08	mg/kg-day	--	--	--
				Chloroform	7.41E-07	mg/m^3	5.2E-08	mg/kg-day	8.05E-02	(mg/kg-day)-1	4.17E-09
				Chromium	2.69E-08	mg/m^3	1.9E-09	mg/kg-day	--	--	--
				Chrysene	1.04E-09	mg/m^3	7.2E-11	mg/kg-day	7.30E-03	(mg/kg-day)-1	5.28E-13
				Cobalt	5.84E-09	mg/m^3	4.1E-10	mg/kg-day	9.80E+00	(mg/kg-day)-1	4.00E-09
				Copper	1.44E-08	mg/m^3	1.0E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	7.85E-11	mg/m^3	5.5E-12	mg/kg-day	7.30E+00	(mg/kg-day)-1	4.01E-11
				Dibenzofuran	2.62E-07	mg/m^3	1.8E-08	mg/kg-day	--	--	--
				di-n-Butylphthalate	6.97E-11	mg/m^3	4.9E-12	mg/kg-day	--	--	--
				Fluoranthene	3.67E-09	mg/m^3	2.6E-10	mg/kg-day	--	--	--
				Fluorene	5.29E-07	mg/m^3	3.7E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	1.82E-10	mg/m^3	1.3E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	9.28E-12
				Iron	9.41E-06	mg/m^3	6.6E-07	mg/kg-day	--	--	--
				Lead	2.21E-08	mg/m^3	1.5E-09	mg/kg-day	--	--	--
				Manganese	1.50E-07	mg/m^3	1.0E-08	mg/kg-day	--	--	--
				Mercury	4.77E-10	mg/m^3	3.3E-11	mg/kg-day	--	--	--
				Methylene chloride	1.00E-05	mg/m^3	7.0E-07	mg/kg-day	1.65E-03	(mg/kg-day)-1	1.15E-09
				Methyl-T-Butyl-Ether	1.53E-05	mg/m^3	1.1E-06	mg/kg-day	9.10E-04	(mg/kg-day)-1	9.74E-10
				Molybdenum	6.59E-10	mg/m^3	4.6E-11	mg/kg-day	--	--	--
				Naphthalene	1.00E-06	mg/m^3	7.0E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	8.42E-09
				Nickel	3.03E-08	mg/m^3	2.1E-09	mg/kg-day	--	--	--
				Phenanthrene	1.28E-06	mg/m^3	9.0E-08	mg/kg-day	--	--	--
				Pyrene	5.85E-07	mg/m^3	4.1E-08	mg/kg-day	--	--	--
				Selenium	2.19E-10	mg/m^3	1.5E-11	mg/kg-day	--	--	--
				Silver	1.36E-09	mg/m^3	9.5E-11	mg/kg-day	--	--	--
				Thallium	3.55E-10	mg/m^3	2.5E-11	mg/kg-day	--	--	--
				Vanadium	2.04E-08	mg/m^3	1.4E-09	mg/kg-day	--	--	--
				Xylene (Total)	3.28E-07	mg/m^3	2.3E-08	mg/kg-day	--	--	--
				Zinc	3.26E-08	mg/m^3	2.3E-09	mg/kg-day	--	--	--
			Exposure Route Total								**2.42E-08**
		Exposure Point Total									**2.42E-08**
	Exposure Medium Total										**2.42E-08**
Medium Total											**7.66E-06**
Groundwater	Groundwater	Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-04	mg/m^3	1.41E-05	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	4.59E-06	mg/m^3	3.20E-07	mg/kg-day	5.60E-02	(mg/kg-day)-1	1.79E-08
				1,1-Dichlorethane	3.16E-04	mg/m^3	2.21E-05	mg/kg-day	5.70E-03	(mg/kg-day)-1	1.26E-07
				1,1-Dichlorethene	9.92E-03	mg/m^3	6.93E-04	mg/kg-day	--	--	--

TABLE F-8.3.5.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	1,2,4-Trimethylbenzene	2.33E-05	mg/m^3	1.63E-06	mg/kg-day	--	--	--
				1,2-Dichlorobenzene	9.49E-06	mg/m^3	6.63E-07	mg/kg-day	--	--	--
				1,2-Dichlorethane	7.70E-06	mg/m^3	5.38E-07	mg/kg-day	9.10E-02	(mg/kg-day)-1	4.90E-08
				1,2-Dichlorethene (Total)	6.08E-04	mg/m^3	4.25E-05	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.41E-07	mg/m^3	9.83E-09	mg/kg-day	6.80E-02	(mg/kg-day)-1	6.68E-10
				1,3,5-Trimethylbenzene	2.08E-05	mg/m^3	1.46E-06	mg/kg-day	--	--	--
				1,3-Dichlorobenzene	5.39E-06	mg/m^3	3.77E-07	mg/kg-day	--	--	--
				1,4-Dichlorobenzene	5.92E-06	mg/m^3	4.14E-07	mg/kg-day	2.20E-02	(mg/kg-day)-1	9.10E-09
				2-Butanone	2.35E-06	mg/m^3	1.64E-07	mg/kg-day	--	--	--
				2-Hexanone	1.31E-07	mg/m^3	9.17E-09	mg/kg-day	--	--	--
				2-MethylNaphthalene	8.28E-08	mg/m^3	5.78E-09	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-06	mg/m^3	1.33E-07	mg/kg-day	--	--	--
				Acenaphthene	6.52E-08	mg/m^3	4.56E-09	mg/kg-day	--	--	--
				Acenaphthylene	6.52E-08	mg/m^3	4.56E-09	mg/kg-day	--	--	--
				Acetone	5.45E-05	mg/m^3	3.81E-06	mg/kg-day	--	--	--
				Benzene	5.01E-05	mg/m^3	3.50E-06	mg/kg-day	2.70E-02	(mg/kg-day)-1	9.45E-08
				Bromodichloromethane	2.55E-06	mg/m^3	1.78E-07	mg/kg-day	6.20E-02	(mg/kg-day)-1	1.11E-08
				Carbon disulfide	1.61E-04	mg/m^3	1.12E-05	mg/kg-day	--	--	--
				Chlorobenzene	9.89E-06	mg/m^3	6.91E-07	mg/kg-day	--	--	--
				Chloroethane	1.47E-04	mg/m^3	1.03E-05	mg/kg-day	2.90E-03	(mg/kg-day)-1	2.98E-08
				Chloroform	1.82E-05	mg/m^3	1.27E-06	mg/kg-day	8.05E-02	(mg/kg-day)-1	1.03E-07
				Chloromethane	5.88E-05	mg/m^3	4.11E-06	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	1.15E-04	mg/m^3	8.03E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Cyanide	9.60E-06	mg/m^3	6.71E-07	mg/kg-day	--	--	--
				Ethylbenzene	2.48E-05	mg/m^3	1.74E-06	mg/kg-day	--	--	--
				Fluorene	1.34E-08	mg/m^3	9.37E-10	mg/kg-day	--	--	--
				Hexachlorobutadiene	9.57E-07	mg/m^3	6.69E-08	mg/kg-day	7.80E-02	(mg/kg-day)-1	5.22E-09
				Isopropylbenzene	2.12E-03	mg/m^3	1.48E-04	mg/kg-day	--	--	--
				m,p-Xylene	4.52E-05	mg/m^3	3.16E-06	mg/kg-day	--	--	--
				Methylene Chloride	1.47E-05	mg/m^3	1.03E-06	mg/kg-day	1.65E-03	(mg/kg-day)-1	1.69E-09
				Methyl-T-Butyl-ether	2.95E-06	mg/m^3	2.07E-07	mg/kg-day	9.10E-04	(mg/kg-day)-1	1.88E-10
				Naphthalene	5.03E-06	mg/m^3	3.51E-07	mg/kg-day	1.20E-01	(mg/kg-day)-1	4.22E-08
				n-Butylbenzene	9.94E-06	mg/m^3	6.95E-07	mg/kg-day	--	--	--
				n-propylbenzene	4.44E-05	mg/m^3	3.10E-06	mg/kg-day	--	--	--
				o-Xylene	1.73E-05	mg/m^3	1.21E-06	mg/kg-day	--	--	--
				Phenanthrene	1.75E-08	mg/m^3	1.23E-09	mg/kg-day	--	--	--
				Pyrene	6.77E-09	mg/m^3	4.73E-10	mg/kg-day	--	--	--
				sec-Butylbenzene	5.50E-09	mg/m^3	3.84E-10	mg/kg-day	--	--	--
				tert-Butylbenzene	1.30E-06	mg/m^3	9.08E-08	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	9.43E-05	mg/m^3	6.59E-06	mg/kg-day	--	--	--
				Tetrachloroethene	4.75E-05	mg/m^3	3.32E-06	mg/kg-day	2.10E-02	(mg/kg-day)-1	6.97E-08
				Toluene	2.22E-05	mg/m^3	1.55E-06	mg/kg-day	--	--	--

TABLE F-6.3.5.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	Trichloroethene	5.23E-03	mg/m^3	3.66E-04	mg/kg-day	4.00E-01	(mg/kg-day)-1	1.46E-04
				Vinyl chloride	5.47E-04	mg/m^3	3.82E-05	mg/kg-day	1.60E-02	(mg/kg-day)-1	6.12E-07
				Xylene (Total)	5.96E-05	mg/m^3	4.17E-06	mg/kg-day	--	--	--
			Exposure Route Total								**1.47E-04**
		Exposure Point Total									**1.47E-04**
	Exposure Medium Total										**1.47E-04**
Medium Total											**1.47E-04**
										Total of Receptor Hazards Across All Media	**1.55E-04**

Notes:

--	Not applicable or not available
CSF	Cancer slope factor
EPA	U.S. Environmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligram per kilogram
mg/kg-day	Milligram per kilogram per day
(mg/kg-day)-1	1/(Milligram per kilogram per day)
mg/L	Milligram per liter
mg/m^3	Milligram per cubic meter
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile Organic Compound

See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-8.3.6.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Ingestion	2,4-Dimethylphenol	3.80E-02	mg/kg	1.75E-09	mg/kg-day	--	(mg/kg-day)-1	--
				2-Methylnaphthalene	3.27E-02	mg/kg	1.51E-09	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	3.42E+00	mg/kg	1.58E-07	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	1.50E-01	mg/kg	6.92E-09	mg/kg-day	--	--	--
				Acenaphthylene	1.62E-02	mg/kg	7.48E-10	mg/kg-day	--	--	--
				Aluminum	6.87E+03	mg/kg	3.17E-04	mg/kg-day	--	--	--
				Anthracene	4.08E-01	mg/kg	1.88E-08	mg/kg-day	--	--	--
				Antimony	2.60E+00	mg/kg	1.20E-07	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	1.38E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.77E-09
				Aroclor-1260	2.01E-01	mg/kg	9.26E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.85E-08
				Arsenic	2.50E+00	mg/kg	1.16E-07	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.73E-07
				Barium	4.09E+01	mg/kg	1.89E-06	mg/kg-day	--	--	--
				Benzene	1.20E-03	mg/kg	5.54E-11	mg/kg-day	5.50E-02	(mg/kg-day)-1	3.04E-12
				Benzo(a)anthracene	1.63E+00	mg/kg	7.52E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	5.49E-08
				Benzo(a)pyrene	7.72E-01	mg/kg	3.56E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.60E-07
				Benzo(b)fluoranthene	1.44E+00	mg/kg	6.65E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.86E-08
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	1.31E-08	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	3.49E-01	mg/kg	1.61E-08	mg/kg-day	7.30E-02	(mg/kg-day)-1	1.18E-09
				Beryllium	2.00E+00	mg/kg	9.23E-08	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	1.30E-08	mg/kg-day	1.40E-02	(mg/kg-day)-1	1.82E-10
				Cadmium	3.74E+00	mg/kg	1.72E-07	mg/kg-day	--	--	--
				Carbazole	7.80E-01	mg/kg	3.60E-08	mg/kg-day	2.00E-02	(mg/kg-day)-1	7.19E-10
				Carbon disulfide	5.00E-03	mg/kg	2.31E-10	mg/kg-day	--	--	--
				Chlorobenzene	2.00E-03	mg/kg	9.23E-11	mg/kg-day	--	--	--
				Chloroform	2.00E-03	mg/kg	9.23E-11	mg/kg-day	--	--	--
				Chromium	3.55E+01	mg/kg	1.64E-06	mg/kg-day	--	--	--
				Chrysene	1.37E+00	mg/kg	6.31E-08	mg/kg-day	7.30E-03	(mg/kg-day)-1	4.60E-10
				Cobalt	7.70E+00	mg/kg	3.55E-07	mg/kg-day	--	--	--
				Copper	1.90E+01	mg/kg	8.76E-07	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	4.78E-09	mg/kg-day	7.30E+00	(mg/kg-day)-1	3.49E-08
				Dibenzofuran	1.70E-01	mg/kg	7.84E-09	mg/kg-day	--	--	--
				di-n-Butylphthalate	9.20E-02	mg/kg	4.24E-09	mg/kg-day	--	(mg/kg-day)-1	--
				Fluoranthene	4.84E+00	mg/kg	2.23E-07	mg/kg-day	--	--	--
				Fluorene	1.90E-01	mg/kg	8.78E-09	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	1.11E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	8.08E-09
				Iron	1.24E+04	mg/kg	5.73E-04	mg/kg-day	--	--	--
				Lead	2.91E+01	mg/kg	1.34E-06	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	9.11E-06	mg/kg-day	--	--	--
				Mercury	6.30E-01	mg/kg	2.91E-08	mg/kg-day	--	--	--
				Methylene chloride	2.50E-02	mg/kg	1.15E-09	mg/kg-day	7.50E-03	(mg/kg-day)-1	8.65E-12
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	3.32E-09	mg/kg-day	1.80E-03	(mg/kg-day)-1	5.98E-12
				Molybdenum	8.70E-01	mg/kg	4.01E-08	mg/kg-day	--	--	--

TABLE F-o.3.6.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Ingestion (continued)	Naphthalene	4.32E-02	mg/kg	1.99E-09	mg/kg-day	1.20E-01	(mg/kg-day)-1	2.39E-10
				Nickel	3.99E+01	mg/kg	1.84E-06	mg/kg-day	--	--	--
				Phenanthrene	1.91E+00	mg/kg	8.83E-08	mg/kg-day	--	--	--
				Pyrene	2.22E+00	mg/kg	1.02E-07	mg/kg-day	--	--	--
				Selenium	2.88E-01	mg/kg	1.33E-08	mg/kg-day	--	--	--
				Silver	1.80E+00	mg/kg	8.30E-08	mg/kg-day	--	--	--
				Thallium	4.68E-01	mg/kg	2.16E-08	mg/kg-day	--	--	--
				Vanadium	2.70E+01	mg/kg	1.24E-06	mg/kg-day	--	--	--
				Xylene (Total)	2.00E-03	mg/kg	9.23E-11	mg/kg-day	--	--	--
				Zinc	4.30E+01	mg/kg	1.98E-06	mg/kg-day	--	--	--
			Exposure Route Total								**6.04E-07**
			Dermal	2,4-Dimethylphenol	3.80E-02	mg/kg	5.3E-11	mg/kg-day	--	(mg/kg-day)-1	--
				2-Methylnaphthalene	3.27E-02	mg/kg	4.5E-11	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	3.42E+00	mg/kg	4.7E-09	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	1.50E-01	mg/kg	2.7E-09	mg/kg-day	--	--	--
				Acenaphthylene	1.62E-02	mg/kg	2.2E-11	mg/kg-day	--	--	--
				Aluminum	6.87E+03	mg/kg	9.5E-07	mg/kg-day	--	--	--
				Anthracene	4.08E-01	mg/kg	7.3E-09	mg/kg-day	--	--	--
				Antimony	2.60E+00	mg/kg	3.6E-10	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	5.8E-10	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.16E-09
				Aroclor-1260	2.01E-01	mg/kg	3.9E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	7.77E-09
				Arsenic	2.50E+00	mg/kg	1.0E-08	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.56E-08
				Barium	4.09E+01	mg/kg	5.7E-09	mg/kg-day	--	--	--
				Benzene	1.20E-03	mg/kg	1.7E-12	mg/kg-day	5.50E-02	(mg/kg-day)-1	9.13E-14
				Benzo(a)anthracene	1.63E+00	mg/kg	2.9E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.14E-08
				Benzo(a)pyrene	7.72E-01	mg/kg	1.4E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.01E-07
				Benzo(b)fluoranthene	1.44E+00	mg/kg	2.6E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.89E-08
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	5.1E-09	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	3.49E-01	mg/kg	6.3E-09	mg/kg-day	7.30E-02	(mg/kg-day)-1	4.58E-10
				Beryllium	2.00E+00	mg/kg	2.8E-10	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	3.9E-10	mg/kg-day	--	(mg/kg-day)-1	--
				Cadmium	3.74E+00	mg/kg	5.2E-10	mg/kg-day	--	--	--
				Carbazole	7.80E-01	mg/kg	1.1E-09	mg/kg-day	2.00E-02	(mg/kg-day)-1	2.16E-11
				Carbon disulfide	5.00E-03	mg/kg	1.7E-10	mg/kg-day	--	--	--
				Chlorobenzene	2.00E-03	mg/kg	2.8E-12	mg/kg-day	--	--	--
				Chloroform	2.00E-03	mg/kg	2.8E-12	mg/kg-day	--	--	--
				Chromium	3.55E+01	mg/kg	4.9E-09	mg/kg-day	--	--	--
				Chrysene	1.37E+00	mg/kg	2.5E-08	mg/kg-day	7.30E-03	(mg/kg-day)-1	1.80E-10
				Cobalt	7.70E+00	mg/kg	1.1E-09	mg/kg-day	--	--	--
				Copper	1.90E+01	mg/kg	2.6E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	1.9E-09	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.36E-08
				Dibenzofuran	1.70E-01	mg/kg	2.4E-10	mg/kg-day	--	--	--

TABLE F-8.3.6.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Dermal (continued)	di-n-Butylphthalate	9.20E-02	mg/kg	1.3E-10	mg/kg-day	--	(mg/kg-day)-1	--
				Fluoranthene	4.84E+00	mg/kg	8.7E-08	mg/kg-day	--	--	--
				Fluorene	1.90E-01	mg/kg	3.4E-09	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	4.3E-09	mg/kg-day	7.30E-01	(mg/kg-day)-1	3.15E-09
				Iron	1.24E+04	mg/kg	1.7E-06	mg/kg-day	--	--	--
				Lead	2.91E+01	mg/kg	4.0E-09	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	2.7E-08	mg/kg-day	--	--	--
				Mercury	6.30E-01	mg/kg	--	mg/kg-day	--	--	--
				Methylene chloride	2.50E-02	mg/kg	3.5E-11	mg/kg-day	7.50E-03	(mg/kg-day)-1	2.59E-13
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	1.0E-10	mg/kg-day	1.80E-03	(mg/kg-day)-1	1.79E-13
				Molybdenum	8.70E-01	mg/kg	1.2E-10	mg/kg-day	--	--	--
				Naphthalene	4.32E-02	mg/kg	7.8E-10	mg/kg-day	1.20E-01	(mg/kg-day)-1	9.32E-11
				Nickel	3.99E+01	mg/kg	5.5E-09	mg/kg-day	--	--	--
				Phenanthrene	1.91E+00	mg/kg	2.6E-09	mg/kg-day	--	--	--
				Pyrene	2.22E+00	mg/kg	4.0E-08	mg/kg-day	--	--	--
				Selenium	2.88E-01	mg/kg	4.0E-11	mg/kg-day	--	--	--
				Silver	1.80E+00	mg/kg	2.5E-10	mg/kg-day	--	--	--
				Thallium	4.68E-01	mg/kg	--	mg/kg-day	--	--	--
				Vanadium	2.70E+01	mg/kg	3.7E-09	mg/kg-day	--	--	--
				Xylene (Total)	2.00E-03	mg/kg	2.8E-12	mg/kg-day	--	--	--
				Zinc	4.30E+01	mg/kg	5.9E-09	mg/kg-day	--	--	--
			Exposure Route Total								**1.84E-07**
		Exposure Point Total									**7.88E-07**
	Exposure Medium Total										**7.88E-07**
	Air	Outdoor Air	Inhalation (particulates or VOCs)	2,4-Dimethylphenol	2.88E-11	mg/m^3	8.0E-14	mg/kg-day	--	--	--
				2-Methylnaphthalene	2.31E-07	mg/m^3	6.5E-10	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.37E-04	mg/m^3	3.8E-07	mg/kg-day	--	--	--
				Acenaphthene	8.34E-07	mg/m^3	2.3E-09	mg/kg-day	--	--	--
				Acenaphthylene	9.01E-08	mg/m^3	2.5E-10	mg/kg-day	--	--	--
				Aluminum	5.21E-06	mg/m^3	1.5E-08	mg/kg-day	--	--	--
				Anthracene	5.82E-07	mg/m^3	1.6E-09	mg/kg-day	--	--	--
				Antimony	1.97E-09	mg/m^3	5.5E-12	mg/kg-day	--	--	--
				Aroclor-1254	2.27E-11	mg/m^3	6.4E-14	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.27E-13
				Aroclor-1260	1.52E-10	mg/m^3	4.2E-13	mg/kg-day	2.00E+00	(mg/kg-day)-1	8.50E-13
				Arsenic	1.90E-09	mg/m^3	5.3E-12	mg/kg-day	1.50E+01	(mg/kg-day)-1	7.96E-11
				Barium	3.10E-08	mg/m^3	8.7E-11	mg/kg-day	--	--	--
				Benzene	4.44E-07	mg/m^3	1.2E-09	mg/kg-day	2.70E-02	(mg/kg-day)-1	3.35E-11
				Benzo(a)anthracene	1.24E-09	mg/m^3	3.5E-12	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.52E-12
				Benzo(a)pyrene	5.85E-10	mg/m^3	1.6E-12	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.19E-11
				Benzo(b)fluoranthene	1.09E-09	mg/m^3	3.1E-12	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.23E-12
				Benzo(g,h,i)perylene	2.15E-10	mg/m^3	6.0E-13	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.64E-10	mg/m^3	7.4E-13	mg/kg-day	7.30E-02	(mg/kg-day)-1	5.40E-14

TABLE F-6.3.6.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Air (continued)	Outdoor Air (continued)	Inhalation (particulates or VOCs) (continued)	Beryllium	1.52E-09	mg/m^3	4.2E-12	mg/kg-day	8.40E+00	(mg/kg-day)-1	3.56E-11
				bis(2-ethylhexyl)phthalate	2.13E-10	mg/m^3	6.0E-13	mg/kg-day	1.40E-02	(mg/kg-day)-1	8.34E-15
				Cadmium	2.83E-09	mg/m^3	7.9E-12	mg/kg-day	6.30E+00	(mg/kg-day)-1	4.99E-11
				Carbazole	5.91E-10	mg/m^3	1.7E-12	mg/kg-day	2.00E-02	(mg/kg-day)-1	3.30E-14
				Carbon disulfide	4.17E-06	mg/m^3	1.2E-08	mg/kg-day	--	--	--
				Chlorobenzene	3.17E-07	mg/m^3	8.9E-10	mg/kg-day	--	--	--
				Chloroform	7.41E-07	mg/m^3	2.1E-09	mg/kg-day	8.05E-02	(mg/kg-day)-1	1.67E-10
				Chromium	2.69E-08	mg/m^3	7.5E-11	mg/kg-day	--	--	--
				Chrysene	1.04E-09	mg/m^3	2.9E-12	mg/kg-day	7.30E-03	(mg/kg-day)-1	2.11E-14
				Cobalt	5.84E-09	mg/m^3	1.6E-11	mg/kg-day	9.80E+00	(mg/kg-day)-1	1.60E-10
				Copper	1.44E-08	mg/m^3	4.0E-11	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	7.85E-11	mg/m^3	2.2E-13	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.60E-12
				Dibenzofuran	2.62E-07	mg/m^3	7.3E-10	mg/kg-day	--	--	--
				di-n-Butylphthalate	6.97E-11	mg/m^3	1.9E-13	mg/kg-day	--	--	--
				Fluoranthene	3.67E-09	mg/m^3	1.0E-11	mg/kg-day	--	--	--
				Fluorene	5.29E-07	mg/m^3	1.5E-09	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	1.82E-10	mg/m^3	5.1E-13	mg/kg-day	7.30E-01	(mg/kg-day)-1	3.71E-13
				Iron	9.41E-06	mg/m^3	2.6E-08	mg/kg-day	--	--	--
				Lead	2.21E-08	mg/m^3	6.2E-11	mg/kg-day	--	--	--
				Manganese	1.50E-07	mg/m^3	4.2E-10	mg/kg-day	--	--	--
				Mercury	4.77E-10	mg/m^3	1.3E-12	mg/kg-day	--	--	--
				Methylene chloride	1.00E-05	mg/m^3	2.8E-08	mg/kg-day	1.65E-03	(mg/kg-day)-1	4.62E-11
				Methyl-T-Butyl-Ether	1.53E-05	mg/m^3	4.3E-08	mg/kg-day	9.10E-04	(mg/kg-day)-1	3.90E-11
				Molybdenum	6.59E-10	mg/m^3	1.8E-12	mg/kg-day	--	--	--
				Naphthalene	1.00E-06	mg/m^3	2.8E-09	mg/kg-day	1.20E-01	(mg/kg-day)-1	3.37E-10
				Nickel	3.03E-08	mg/m^3	8.5E-11	mg/kg-day	--	--	--
				Phenanthrene	1.28E-06	mg/m^3	3.6E-09	mg/kg-day	--	--	--
				Pyrene	5.85E-07	mg/m^3	1.6E-09	mg/kg-day	--	--	--
				Selenium	2.19E-10	mg/m^3	6.1E-13	mg/kg-day	--	--	--
				Silver	1.36E-09	mg/m^3	3.8E-12	mg/kg-day	--	--	--
				Thallium	3.55E-10	mg/m^3	9.9E-13	mg/kg-day	--	--	--
				Vanadium	2.04E-08	mg/m^3	5.7E-11	mg/kg-day	--	--	--
				Xylene (Total)	3.28E-07	mg/m^3	9.2E-10	mg/kg-day	--	--	--
				Zinc	3.26E-08	mg/m^3	9.1E-11	mg/kg-day	--	--	--
			Exposure Route Total								**9.67E-10**
		Exposure Point Total									**9.67E-10**
	Exposure Medium Total										**9.67E-10**
Medium Total											**7.89E-07**
Groundwater	Groundwater	Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.29E-04	mg/m3	6.41E-07	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	5.81E-06	mg/m3	1.62E-08	mg/kg-day	5.60E-02	(mg/kg-day)-1	9.10E-10

TABLE F-8.3.6.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	1,1-Dichlorethane	3.45E-04	mg/m3	9.66E-07	mg/kg-day	5.70E-03	(mg/kg-day)-1	5.50E-09
				1,1-Dichlorethene	1.06E-02	mg/m3	2.96E-05	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	--	mg/m3	--	mg/kg-day	--	--	--
				1,2-Dichlorobenzene	1.35E-05	mg/m3	3.77E-08	mg/kg-day	--	--	--
				1,2-Dichlorethane	9.78E-06	mg/m3	2.73E-08	mg/kg-day	9.10E-02	(mg/kg-day)-1	2.49E-09
				1,2-Dichlorethene (Total)	2.96E-04	mg/m3	8.27E-07	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.68E-07	mg/m3	4.70E-10	mg/kg-day	6.80E-02	(mg/kg-day)-1	3.19E-11
				1,3,5-Trimethylbenzene	--	mg/m3	--	mg/kg-day	--	--	--
				1,3-Dichlorobenzene	5.79E-06	mg/m3	1.62E-08	mg/kg-day	--	--	--
				1,4-Dichlorobenzene	8.27E-01	mg/m3	2.31E-03	mg/kg-day	2.20E-02	(mg/kg-day)-1	5.08E-05
				2-Butanone	--	mg/m3	--	mg/kg-day	--	--	--
				2-Hexanone	--	mg/m3	--	mg/kg-day	--	--	--
				2-MethylNaphthalene	1.55E-07	mg/m3	4.34E-10	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	--	mg/m3	--	mg/kg-day	--	--	--
				Acenaphthene	1.07E-07	mg/m3	2.99E-10	mg/kg-day	--	--	--
				Acenaphthylene	--	mg/m3	--	mg/kg-day	--	--	--
				Acetone	6.83E-05	mg/m3	1.91E-07	mg/kg-day	--	--	--
				Benzene	5.97E-05	mg/m3	1.67E-07	mg/kg-day	2.70E-02	(mg/kg-day)-1	4.51E-09
				Bromodichloromethane	2.63E-06	mg/m3	7.35E-09	mg/kg-day	6.20E-02	(mg/kg-day)-1	4.56E-10
				Carbon disulfide	1.81E-04	mg/m3	5.06E-07	mg/kg-day	--	--	--
				Chlorobenzene	1.26E-05	mg/m3	3.52E-08	mg/kg-day	--	--	--
				Chloroethane	--	mg/m3	--	mg/kg-day	2.90E-03	(mg/kg-day)-1	--
				Chloroform	2.17E-05	mg/m3	6.07E-08	mg/kg-day	8.05E-02	(mg/kg-day)-1	4.88E-09
				Chloromethane	--	mg/m3	--	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	1.28E-04	mg/m3	3.58E-07	mg/kg-day	--	(mg/kg-day)-1	--
				Cyanide	--	mg/m3	--	mg/kg-day	--	--	--
				Ethylbenzene	3.25E-05	mg/m3	9.09E-08	mg/kg-day	--	--	--
				Fluorene	2.06E-08	mg/m3	5.76E-11	mg/kg-day	--	--	--
				Hexachlorobutadiene	1.40E-06	mg/m3	3.91E-09	mg/kg-day	7.80E-02	(mg/kg-day)-1	3.05E-10
				Isopropylbenzene	2.49E-05	mg/m3	6.96E-08	mg/kg-day	--	--	--
				m,p-Xylene	5.98E-05	mg/m3	1.67E-07	mg/kg-day	--	--	--
				Methylene Chloride	1.68E-05	mg/m3	4.70E-08	mg/kg-day	1.65E-03	(mg/kg-day)-1	7.73E-11
				Methyl-T-Butyl-ether	--	mg/m3	--	mg/kg-day	9.10E-04	(mg/kg-day)-1	--
				Naphthalene	7.42E-06	mg/m3	2.07E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	2.49E-09
				n-Butylbenzene	1.09E-05	mg/m3	3.04E-08	mg/kg-day	--	--	--
				n-propylbenzene	5.54E-05	mg/m3	1.55E-07	mg/kg-day	--	--	--
				o-Xylene	2.38E-05	mg/m3	6.65E-08	mg/kg-day	--	--	--
				Phenanthrene	4.07E-08	mg/m3	1.14E-10	mg/kg-day	--	--	--
				Pyrene	1.11E-08	mg/m3	3.10E-11	mg/kg-day	--	--	--

TABLE F-6.3.6.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	sec-Butylbenzene	2.26E-06	mg/m3	6.33E-09	mg/kg-day	--	--	--
				tert-Butylbenzene	1.36E-06	mg/m3	3.80E-09	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.18E-04	mg/m3	3.29E-07	mg/kg-day	--	--	--
				Tetrachloroethene	5.93E-05	mg/m3	1.66E-07	mg/kg-day	2.10E-02	(mg/kg-day)-1	3.48E-09
				Toluene	2.81E-05	mg/m3	7.86E-08	mg/kg-day	--	--	--
				Trichloroethene	6.23E-03	mg/m3	1.74E-05	mg/kg-day	4.00E-01	(mg/kg-day)-1	6.97E-06
				Vinyl chloride	5.58E-04	mg/m3	1.56E-06	mg/kg-day	1.60E-02	(mg/kg-day)-1	2.50E-08
				Xylene (Total)	7.89E-05	mg/m3	2.21E-07	mg/kg-day	--	--	--
			Exposure Route Total								5.79E-05
		Exposure Point Total									5.79E-05
	Exposure Medium Total										5.79E-05
Medium Total											5.79E-05
										Total of Receptor Hazards Across All Media	5.86E-05

Notes:

--	Not applicable or not available
CSF	Cancer slope factor
EPA	U.S. Environmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligram per kilogram
mg/kg-day	Milligram per kilogram per day
(mg/kg-day)-1	1/(Milligram per kilogram per day)
mg/L	Milligram per liter
mg/m^3	Milligram per cubic meter
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile Organic Compound

See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-8.3.7.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Ingestion	2,4-Dimethylphenol	3.80E-02	mg/kg	1.78E-08	mg/kg-day	--	(mg/kg-day)-1	--
				2-Methylnaphthalene	3.27E-02	mg/kg	1.54E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	3.42E+00	mg/kg	1.61E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	1.50E-01	mg/kg	7.05E-08	mg/kg-day	--	--	--
				Acenaphthylene	1.62E-02	mg/kg	7.62E-09	mg/kg-day	--	--	--
				Aluminum	6.87E+03	mg/kg	3.23E-03	mg/kg-day	--	--	--
				Anthracene	4.08E-01	mg/kg	1.91E-07	mg/kg-day	--	--	--
				Antimony	2.60E+00	mg/kg	1.22E-06	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	1.41E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.82E-08
				Aroclor-1260	2.01E-01	mg/kg	9.42E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.88E-07
				Arsenic	2.50E+00	mg/kg	1.18E-06	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.76E-06
				Barium	4.09E+01	mg/kg	1.92E-05	mg/kg-day	--	--	--
				Benzene	1.20E-03	mg/kg	5.64E-10	mg/kg-day	5.50E-02	(mg/kg-day)-1	3.10E-11
				Benzo(a)anthracene	1.63E+00	mg/kg	7.66E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	5.59E-07
				Benzo(a)pyrene	7.72E-01	mg/kg	3.63E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.65E-06
				Benzo(b)fluoranthene	1.44E+00	mg/kg	6.77E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.94E-07
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	1.33E-07	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	3.49E-01	mg/kg	1.64E-07	mg/kg-day	7.30E-02	(mg/kg-day)-1	1.20E-08
				Beryllium	2.00E+00	mg/kg	9.39E-07	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	1.32E-07	mg/kg-day	1.40E-02	(mg/kg-day)-1	1.85E-09
				Cadmium	3.74E+00	mg/kg	1.76E-06	mg/kg-day	--	--	--
				Carbazole	7.80E-01	mg/kg	3.66E-07	mg/kg-day	2.00E-02	(mg/kg-day)-1	7.33E-09
				Carbon disulfide	5.00E-03	mg/kg	2.35E-09	mg/kg-day	--	--	--
				Chlorobenzene	2.00E-03	mg/kg	9.39E-10	mg/kg-day	--	--	--
				Chloroform	2.00E-03	mg/kg	9.39E-10	mg/kg-day	--	--	--
				Chromium	3.55E+01	mg/kg	1.67E-05	mg/kg-day	--	--	--
				Chrysene	1.37E+00	mg/kg	6.42E-07	mg/kg-day	7.30E-03	(mg/kg-day)-1	4.69E-09
				Cobalt	7.70E+00	mg/kg	3.62E-06	mg/kg-day	--	--	--
				Copper	1.90E+01	mg/kg	8.92E-06	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	4.87E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	3.55E-07
				Dibenzofuran	1.70E-01	mg/kg	7.98E-08	mg/kg-day	--	--	--
				di-n-Butylphthalate	9.20E-02	mg/kg	4.32E-08	mg/kg-day	--	(mg/kg-day)-1	--
				Fluoranthene	4.84E+00	mg/kg	2.27E-06	mg/kg-day	--	--	--
				Fluorene	1.90E-01	mg/kg	8.94E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	1.13E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	8.23E-08
				Iron	1.24E+04	mg/kg	5.83E-03	mg/kg-day	--	--	--
				Lead	2.91E+01	mg/kg	1.37E-05	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	9.27E-05	mg/kg-day	--	--	--
				Mercury	6.30E-01	mg/kg	2.96E-07	mg/kg-day	--	--	--
				Methylene chloride	2.50E-02	mg/kg	1.17E-08	mg/kg-day	7.50E-03	(mg/kg-day)-1	8.81E-11
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	3.38E-08	mg/kg-day	1.80E-03	(mg/kg-day)-1	6.09E-11
				Molybdenum	8.70E-01	mg/kg	4.09E-07	mg/kg-day	--	--	--

TABLE F-o.3.7.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Ingestion (continued)	Naphthalene	4.32E-02	mg/kg	2.03E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	2.43E-09
				Nickel	3.99E+01	mg/kg	1.88E-05	mg/kg-day	--	--	--
				Phenanthrene	1.91E+00	mg/kg	8.99E-07	mg/kg-day	--	--	--
				Pyrene	2.22E+00	mg/kg	1.04E-06	mg/kg-day	--	--	--
				Selenium	2.88E-01	mg/kg	1.35E-07	mg/kg-day	--	--	--
				Silver	1.80E+00	mg/kg	8.45E-07	mg/kg-day	--	--	--
				Thallium	4.68E-01	mg/kg	2.20E-07	mg/kg-day	--	--	--
				Vanadium	2.70E+01	mg/kg	1.27E-05	mg/kg-day	--	--	--
				Xylene (Total)	2.00E-03	mg/kg	9.39E-10	mg/kg-day	--	--	--
				Zinc	4.30E+01	mg/kg	2.02E-05	mg/kg-day	--	--	--
			Exposure Route Total								6.15E-06
			Dermal	2,4-Dimethylphenol	3.80E-02	mg/kg	7.1E-10	mg/kg-day	--	(mg/kg-day)-1	--
				2-Methylnaphthalene	3.27E-02	mg/kg	6.1E-10	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	3.42E+00	mg/kg	6.4E-08	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	1.50E-01	mg/kg	3.7E-08	mg/kg-day	--	--	--
				Acenaphthylene	1.62E-02	mg/kg	3.0E-10	mg/kg-day	--	--	--
				Aluminum	6.87E+03	mg/kg	1.3E-05	mg/kg-day	--	--	--
				Anthracene	4.08E-01	mg/kg	9.9E-08	mg/kg-day	--	--	--
				Antimony	2.60E+00	mg/kg	4.9E-09	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	7.9E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.57E-08
				Aroclor-1260	2.01E-01	mg/kg	5.3E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.05E-07
				Arsenic	2.50E+00	mg/kg	1.4E-07	mg/kg-day	1.50E+00	(mg/kg-day)-1	2.11E-07
				Barium	4.09E+01	mg/kg	7.7E-08	mg/kg-day	--	--	--
				Benzene	1.20E-03	mg/kg	2.2E-11	mg/kg-day	5.50E-02	(mg/kg-day)-1	1.24E-12
				Benzo(a)anthracene	1.63E+00	mg/kg	4.0E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.90E-07
				Benzo(a)pyrene	7.72E-01	mg/kg	1.9E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.37E-06
				Benzo(b)fluoranthene	1.44E+00	mg/kg	3.5E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.56E-07
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	6.9E-08	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	3.49E-01	mg/kg	8.5E-08	mg/kg-day	7.30E-02	(mg/kg-day)-1	6.21E-09
				Beryllium	2.00E+00	mg/kg	3.7E-09	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	5.3E-09	mg/kg-day	--	(mg/kg-day)-1	--
				Cadmium	3.74E+00	mg/kg	7.0E-09	mg/kg-day	--	--	--
				Carbazole	7.80E-01	mg/kg	1.5E-08	mg/kg-day	2.00E-02	(mg/kg-day)-1	2.92E-10
				Carbon disulfide	5.00E-03	mg/kg	2.3E-09	mg/kg-day	--	--	--
				Chlorobenzene	2.00E-03	mg/kg	3.7E-11	mg/kg-day	--	--	--
				Chloroform	2.00E-03	mg/kg	3.7E-11	mg/kg-day	--	--	--
				Chromium	3.55E+01	mg/kg	6.7E-08	mg/kg-day	--	--	--
				Chrysene	1.37E+00	mg/kg	3.3E-07	mg/kg-day	7.30E-03	(mg/kg-day)-1	2.43E-09
				Cobalt	7.70E+00	mg/kg	1.4E-08	mg/kg-day	--	--	--
				Copper	1.90E+01	mg/kg	3.6E-08	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	2.5E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.84E-07
				Dibenzofuran	1.70E-01	mg/kg	3.2E-09	mg/kg-day	--	--	--

TABLE F-8.3.7.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Dermal (continued)	di-n-Butylphthalate	9.20E-02	mg/kg	1.7E-09	mg/kg-day	--	(mg/kg-day)-1	--
				Fluoranthene	4.84E+00	mg/kg	1.2E-06	mg/kg-day	--	--	--
				Fluorene	1.90E-01	mg/kg	4.6E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	5.8E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.27E-08
				Iron	1.24E+04	mg/kg	2.3E-05	mg/kg-day	--	--	--
				Lead	2.91E+01	mg/kg	5.5E-08	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	3.7E-07	mg/kg-day	--	--	--
				Mercury	6.30E-01	mg/kg	--	mg/kg-day	--	--	--
				Methylene chloride	2.50E-02	mg/kg	4.7E-10	mg/kg-day	7.50E-03	(mg/kg-day)-1	3.51E-12
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	1.3E-09	mg/kg-day	1.80E-03	(mg/kg-day)-1	2.43E-12
				Molybdenum	8.70E-01	mg/kg	1.6E-09	mg/kg-day	--	--	--
				Naphthalene	4.32E-02	mg/kg	1.1E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	1.26E-09
				Nickel	3.99E+01	mg/kg	7.5E-08	mg/kg-day	--	--	--
				Phenanthrene	1.91E+00	mg/kg	3.6E-08	mg/kg-day	--	--	--
				Pyrene	2.22E+00	mg/kg	5.4E-07	mg/kg-day	--	--	--
				Selenium	2.88E-01	mg/kg	5.4E-10	mg/kg-day	--	--	--
				Silver	1.80E+00	mg/kg	3.4E-09	mg/kg-day	--	--	--
				Thallium	4.68E-01	mg/kg	--	mg/kg-day	--	--	--
				Vanadium	2.70E+01	mg/kg	5.1E-08	mg/kg-day	--	--	--
				Xylene (Total)	2.00E-03	mg/kg	3.7E-11	mg/kg-day	--	--	--
				Zinc	4.30E+01	mg/kg	8.1E-08	mg/kg-day	--	--	--
			Exposure Route Total								**2.49E-06**
		Exposure Point Total									**8.64E-06**
		Homegrown Produce	Ingestion	2,4-Dimethylphenol	3.80E-02	mg/kg	7.2E-07	mg/kg-day	--	(mg/kg-day)-1	--
				2-Methylnaphthalene	3.27E-02	mg/kg	--	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	3.42E+00	mg/kg	--	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	1.50E-01	mg/kg	--	mg/kg-day	--	--	--
				Acenaphthylene	1.62E-02	mg/kg	--	mg/kg-day	--	--	--
				Aluminum	6.87E+03	mg/kg	--	mg/kg-day	--	--	--
				Anthracene	4.08E-01	mg/kg	--	mg/kg-day	--	--	--
				Antimony	2.60E+00	mg/kg	--	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	2.0E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	3.97E-09
				Aroclor-1260	2.01E-01	mg/kg	5.5E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.11E-08
				Arsenic	2.50E+00	mg/kg	4.4E-06	mg/kg-day	1.50E+00	(mg/kg-day)-1	6.53E-06
				Barium	4.09E+01	mg/kg	--	mg/kg-day	--	--	--
				Benzene	1.20E-03	mg/kg	--	mg/kg-day	5.50E-02	(mg/kg-day)-1	--
				Benzo(a)anthracene	1.63E+00	mg/kg	4.6E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	3.36E-08
				Benzo(a)pyrene	7.72E-01	mg/kg	1.4E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.06E-07
				Benzo(b)fluoranthene	1.44E+00	mg/kg	3.2E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.33E-08
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	--	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	3.49E-01	mg/kg	6.5E-09	mg/kg-day	7.30E-02	(mg/kg-day)-1	4.72E-10
				Beryllium	2.00E+00	mg/kg	--	mg/kg-day	--	--	--

TABLE F-6.3.7.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Homegrown Produce (continued)	Ingestion (continued)	bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	7.2E-11	mg/kg-day	1.40E-02	(mg/kg-day)-1	1.01E-12
				Cadmium	3.74E+00	mg/kg	8.2E-05	mg/kg-day	--	--	--
				Carbazole	7.80E-01	mg/kg	7.7E-06	mg/kg-day	2.00E-02	(mg/kg-day)-1	1.55E-07
				Carbon disulfide	5.00E-03	mg/kg	--	mg/kg-day	--	--	--
				Chlorobenzene	2.00E-03	mg/kg	--	mg/kg-day	--	--	--
				Chloroform	2.00E-03	mg/kg	--	mg/kg-day	--	--	--
				Chromium	3.55E+01	mg/kg	--	mg/kg-day	--	--	--
				Chrysene	1.37E+00	mg/kg	3.9E-08	mg/kg-day	7.30E-03	(mg/kg-day)-1	2.81E-10
				Cobalt	7.70E+00	mg/kg	--	mg/kg-day	--	--	--
				Copper	1.90E+01	mg/kg	--	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	1.3E-09	mg/kg-day	7.30E+00	(mg/kg-day)-1	9.22E-09
				Dibenzofuran	1.70E-01	mg/kg	--	mg/kg-day	--	--	--
				di-n-Butylphthalate	9.20E-02	mg/kg	5.2E-09	mg/kg-day	--	(mg/kg-day)-1	--
				Fluoranthene	4.84E+00	mg/kg	1.5E-07	mg/kg-day	--	--	--
				Fluorene	1.90E-01	mg/kg	--	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	3.8E-09	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.79E-09
				Iron	1.24E+04	mg/kg	--	mg/kg-day	--	--	--
				Lead	2.91E+01	mg/kg	--	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	--	mg/kg-day	--	--	--
				Mercury	6.30E-01	mg/kg	1.7E-06	mg/kg-day	--	--	--
				Methylene chloride	2.50E-02	mg/kg	--	mg/kg-day	7.50E-03	(mg/kg-day)-1	--
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	--	mg/kg-day	1.80E-03	(mg/kg-day)-1	--
				Molybdenum	8.70E-01	mg/kg	--	mg/kg-day	--	--	--
				Naphthalene	4.32E-02	mg/kg	--	mg/kg-day	1.20E-01	(mg/kg-day)-1	--
				Nickel	3.99E+01	mg/kg	1.1E-04	mg/kg-day	--	--	--
				Phenanthrene	1.91E+00	mg/kg	--	mg/kg-day	--	--	--
				Pyrene	2.22E+00	mg/kg	--	mg/kg-day	--	--	--
				Selenium	2.88E-01	mg/kg	8.1E-07	mg/kg-day	--	--	--
				Silver	1.80E+00	mg/kg	--	mg/kg-day	--	--	--
				Thallium	4.68E-01	mg/kg	--	mg/kg-day	--	--	--
				Vanadium	2.70E+01	mg/kg	--	mg/kg-day	--	--	--
				Xylene (Total)	2.00E-03	mg/kg	--	mg/kg-day	--	--	--
				Zinc	4.30E+01	mg/kg	4.9E-04	mg/kg-day	--	--	--
			Exposure Route Total								**6.88E-06**
		Exposure Point Total									**6.88E-06**
	Exposure Medium Total										**1.55E-05**
	Air	Outdoor Air	Inhalation (particulates or VOCs)	2,4-Dimethylphenol	2.88E-11	mg/m^3	2.7E-12	mg/kg-day	--	--	--
				2-Methylnaphthalene	2.31E-07	mg/m^3	2.2E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.37E-04	mg/m^3	1.3E-05	mg/kg-day	--	--	--
				Acenaphthene	8.34E-07	mg/m^3	7.8E-08	mg/kg-day	--	--	--
				Acenaphthylene	9.01E-08	mg/m^3	8.4E-09	mg/kg-day	--	--	--
				Aluminum	5.21E-06	mg/m^3	4.9E-07	mg/kg-day	--	--	--

TABLE F-8.3.7.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Air (continued)	Outdoor Air (continued)	Inhalation (particulates or VOCs) (continued)	Anthracene	5.82E-07	mg/m^3	5.4E-08	mg/kg-day	--	--	--
				Antimony	1.97E-09	mg/m^3	1.8E-10	mg/kg-day	--	--	--
				Aroclor-1254	2.27E-11	mg/m^3	2.1E-12	mg/kg-day	2.00E+00	(mg/kg-day)-1	4.25E-12
				Aroclor-1260	1.52E-10	mg/m^3	1.4E-11	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.84E-11
				Arsenic	1.90E-09	mg/m^3	1.8E-10	mg/kg-day	1.50E+01	(mg/kg-day)-1	2.66E-09
				Barium	3.10E-08	mg/m^3	2.9E-09	mg/kg-day	--	--	--
				Benzene	4.44E-07	mg/m^3	4.2E-08	mg/kg-day	2.70E-02	(mg/kg-day)-1	1.12E-09
				Benzo(a)anthracene	1.24E-09	mg/m^3	1.2E-10	mg/kg-day	7.30E-01	(mg/kg-day)-1	8.43E-11
				Benzo(a)pyrene	5.85E-10	mg/m^3	5.5E-11	mg/kg-day	7.30E+00	(mg/kg-day)-1	4.00E-10
				Benzo(b)fluoranthene	1.09E-09	mg/m^3	1.0E-10	mg/kg-day	7.30E-01	(mg/kg-day)-1	7.46E-11
				Benzo(g,h,i)perylene	2.15E-10	mg/m^3	2.0E-11	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.64E-10	mg/m^3	2.5E-11	mg/kg-day	7.30E-02	(mg/kg-day)-1	1.81E-12
				Beryllium	1.52E-09	mg/m^3	1.4E-10	mg/kg-day	8.40E+00	(mg/kg-day)-1	1.19E-09
				bis(2-ethylhexyl)phthalate	2.13E-10	mg/m^3	2.0E-11	mg/kg-day	1.40E-02	(mg/kg-day)-1	2.79E-13
				Cadmium	2.83E-09	mg/m^3	2.6E-10	mg/kg-day	6.30E+00	(mg/kg-day)-1	1.67E-09
				Carbazole	5.91E-10	mg/m^3	5.5E-11	mg/kg-day	2.00E-02	(mg/kg-day)-1	1.11E-12
				Carbon disulfide	4.17E-06	mg/m^3	3.9E-07	mg/kg-day	--	--	--
				Chlorobenzene	3.17E-07	mg/m^3	3.0E-08	mg/kg-day	--	--	--
				Chloroform	7.41E-07	mg/m^3	6.9E-08	mg/kg-day	8.05E-02	(mg/kg-day)-1	5.58E-09
				Chromium	2.69E-08	mg/m^3	2.5E-09	mg/kg-day	--	--	--
				Chrysene	1.04E-09	mg/m^3	9.7E-11	mg/kg-day	7.30E-03	(mg/kg-day)-1	7.07E-13
				Cobalt	5.84E-09	mg/m^3	5.5E-10	mg/kg-day	9.80E+00	(mg/kg-day)-1	5.35E-09
				Copper	1.44E-08	mg/m^3	1.3E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	7.85E-11	mg/m^3	7.3E-12	mg/kg-day	7.30E+00	(mg/kg-day)-1	5.36E-11
				Dibenzofuran	2.62E-07	mg/m^3	2.4E-08	mg/kg-day	--	--	--
				di-n-Butylphthalate	6.97E-11	mg/m^3	6.5E-12	mg/kg-day	--	--	--
				Fluoranthene	3.67E-09	mg/m^3	3.4E-10	mg/kg-day	--	--	--
				Fluorene	5.29E-07	mg/m^3	4.9E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	1.82E-10	mg/m^3	1.7E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.24E-11
				Iron	9.41E-06	mg/m^3	8.8E-07	mg/kg-day	--	--	--
				Lead	2.21E-08	mg/m^3	2.1E-09	mg/kg-day	--	--	--
				Manganese	1.50E-07	mg/m^3	1.4E-08	mg/kg-day	--	--	--
				Mercury	4.77E-10	mg/m^3	4.5E-11	mg/kg-day	--	--	--
				Methylene chloride	1.00E-05	mg/m^3	9.4E-07	mg/kg-day	1.65E-03	(mg/kg-day)-1	1.55E-09
				Methyl-T-Butyl-Ether	1.53E-05	mg/m^3	1.4E-06	mg/kg-day	9.10E-04	(mg/kg-day)-1	1.30E-09
				Molybdenum	6.59E-10	mg/m^3	6.2E-11	mg/kg-day	--	--	--
				Naphthalene	1.00E-06	mg/m^3	9.4E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	1.13E-08
				Nickel	3.03E-08	mg/m^3	2.8E-09	mg/kg-day	--	--	--
				Phenanthrene	1.28E-06	mg/m^3	1.2E-07	mg/kg-day	--	--	--
				Pyrene	5.85E-07	mg/m^3	5.5E-08	mg/kg-day	--	--	--
				Selenium	2.19E-10	mg/m^3	2.0E-11	mg/kg-day	--	--	--
				Silver	1.36E-09	mg/m^3	1.3E-10	mg/kg-day	--	--	--

TABLE F-8.3.7.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Air (continued)	Outdoor Air (continued)	Inhalation (particulates or VOCs) (continued)	Thallium	3.55E-10	mg/m^3	3.3E-11	mg/kg-day	--	--	--
				Vanadium	2.04E-08	mg/m^3	1.9E-09	mg/kg-day	--	--	--
				Xylene (Total)	3.28E-07	mg/m^3	3.1E-08	mg/kg-day	--	--	--
				Zinc	3.26E-08	mg/m^3	3.0E-09	mg/kg-day	--	--	--
			Exposure Route Total								3.24E-08
		Exposure Point Total									3.24E-08
	Exposure Medium Total										3.24E-08
Medium Total											1.55E-05
Groundwater	Groundwater	Domestic Use of Groundwater	Ingestion	1,1,1-Trichloroethane	2.23E-02	mg/L	2.10E-04	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	1.06E-02	mg/L	9.93E-05	mg/kg-day	5.70E-02	(mg/kg-day)-1	5.66E-06
				1,1-Dichlorethane	1.08E-01	mg/L	1.02E-03	mg/kg-day	5.70E-03	(mg/kg-day)-1	5.79E-06
				1,1-Dichlorethene	5.89E-01	mg/L	5.53E-03	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	1.06E-04	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorobenzene	1.34E-02	mg/L	1.26E-04	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorethane	1.25E-02	mg/L	1.17E-04	mg/kg-day	9.10E-02	(mg/kg-day)-1	1.07E-05
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	2.76E-03	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.00E-04	mg/L	9.39E-07	mg/kg-day	6.80E-02	(mg/kg-day)-1	6.39E-08
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	9.98E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,3-Dichlorobenzene	4.50E-03	mg/L	4.23E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,4-Dichlorobenzene	6.42E-03	mg/L	6.03E-05	mg/kg-day	2.40E-02	(mg/kg-day)-1	1.45E-06
				2-Butanone	7.10E-02	mg/L	6.67E-04	mg/kg-day	--	--	--
				2-Hexanone	2.00E-03	mg/L	1.88E-05	mg/kg-day	--	--	--
				2-Methylnaphthalene	7.00E-04	mg/L	6.58E-06	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/L	2.72E-04	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	2.00E-03	mg/L	1.88E-05	mg/kg-day	--	--	--
				Acenaphthylene	2.00E-03	mg/L	1.88E-05	mg/kg-day	--	--	--
				Acetone	1.65E+00	mg/L	1.55E-02	mg/kg-day	--	--	--
				Aluminum	9.88E-01	mg/L	9.28E-03	mg/kg-day	--	--	--
				Antimony	1.43E-02	mg/L	1.34E-04	mg/kg-day	--	--	--
				Arsenic	1.98E-02	mg/L	1.86E-04	mg/kg-day	1.50E+00	(mg/kg-day)-1	2.79E-04
				Barium	2.70E-01	mg/L	2.53E-03	mg/kg-day	--	--	--
				Benzene	1.59E-02	mg/L	1.49E-04	mg/kg-day	5.50E-02	(mg/kg-day)-1	8.21E-06
				Benzo(a)anthracene	1.00E-04	mg/L	9.39E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	6.86E-07
				Benzo(a)pyrene	1.00E-04	mg/L	9.39E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	6.86E-06
				Beryllium	1.41E-03	mg/L	1.33E-05	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	6.66E-05	mg/kg-day	1.40E-02	(mg/kg-day)-1	9.33E-07
				Bromodichloromethane	7.10E-03	mg/L	6.67E-05	mg/kg-day	6.20E-02	(mg/kg-day)-1	4.14E-06
				Cadmium	1.60E-02	mg/L	1.50E-04	mg/kg-day	--	--	--
				Carbon disulfide	7.53E-03	mg/L	7.07E-05	mg/kg-day	--	--	--
				Chlorobenzene	6.07E-03	mg/L	5.71E-05	mg/kg-day	--	--	--
				Chloroethane	1.23E-02	mg/L	1.16E-04	mg/kg-day	2.90E-03	(mg/kg-day)-1	3.36E-07
				Chloroform	7.44E-03	mg/L	6.99E-05	mg/kg-day	--	--	--

TABLE F-8.3.7.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Ingestion (continued)	Chloromethane	7.26E-03	mg/L	6.82E-05	mg/kg-day	--	--	--
				Chromium	1.52E-01	mg/L	1.43E-03	mg/kg-day	--	--	--
				Chromium (VI)	4.72E-01	mg/L	4.43E-03	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	5.55E-02	mg/L	5.21E-04	mg/kg-day	--	--	--
				Cobalt	1.51E-02	mg/L	1.42E-04	mg/kg-day	--	--	--
				Copper	1.24E-02	mg/L	1.16E-04	mg/kg-day	--	--	--
				Cyanide	6.60E-02	mg/L	6.20E-04	mg/kg-day	--	--	--
				Ethylbenzene	7.18E-03	mg/L	6.75E-05	mg/kg-day	--	--	--
				Fluoranthene	1.80E-03	mg/L	1.69E-05	mg/kg-day	--	--	--
				Fluorene	1.00E-03	mg/L	9.39E-06	mg/kg-day	--	--	--
				Hexachlorobutadiene	4.00E-04	mg/L	3.76E-06	mg/kg-day	7.80E-02	(mg/kg-day)-1	2.93E-07
				Iron	1.70E+01	mg/L	1.60E-01	mg/kg-day	--	--	--
				Isopropylbenzene	5.50E-03	mg/L	5.17E-05	mg/kg-day	--	--	--
				Lead	7.38E-03	mg/L	6.93E-05	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	1.24E-04	mg/kg-day	--	--	--
				Manganese	9.91E+00	mg/L	9.31E-02	mg/kg-day	--	--	--
				Mercury	4.40E-05	mg/L	4.13E-07	mg/kg-day	--	--	--
				Methylene chloride	9.90E-03	mg/L	9.30E-05	mg/kg-day	7.50E-03	(mg/kg-day)-1	6.98E-07
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	6.55E-05	mg/kg-day	1.80E-03	(mg/kg-day)-1	1.18E-07
				Molybdenum	7.50E-02	mg/L	7.04E-04	mg/kg-day	--	--	--
				Naphthalene	3.35E-02	mg/L	3.15E-04	mg/kg-day	1.20E-01	(mg/kg-day)-1	3.77E-05
				n-Butylbenzene	2.40E-03	mg/L	2.25E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Nickel	1.83E-01	mg/L	1.72E-03	mg/kg-day	--	--	--
				n-Propylbenzene	1.22E-02	mg/L	1.15E-04	mg/kg-day	--	(mg/kg-day)-1	--
				o-Xylene	6.86E-03	mg/L	6.44E-05	mg/kg-day	--	--	--
				Phenanthrene	2.00E-03	mg/L	1.88E-05	mg/kg-day	--	--	--
				Phenol	6.60E-03	mg/L	6.20E-05	mg/kg-day	--	--	--
				p-Isopropyltoluene	8.00E-04	mg/L	7.51E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Pyrene	3.00E-03	mg/L	2.82E-05	mg/kg-day	--	--	--
				sec-Butylbenzene	5.00E-04	mg/L	4.70E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Selenium	1.08E-02	mg/L	1.01E-04	mg/kg-day	--	--	--
				Silver	5.48E-03	mg/L	5.14E-05	mg/kg-day	--	--	--
				Tert-Butanol	4.21E-01	mg/L	3.95E-03	mg/kg-day	--	(mg/kg-day)-1	--
				tert-Butylbenzene	3.00E-04	mg/L	2.82E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Tetrachloroethene	5.84E-03	mg/L	5.49E-05	mg/kg-day	5.40E-01	(mg/kg-day)-1	2.96E-05
				Thallium	8.12E-03	mg/L	7.62E-05	mg/kg-day	--	--	--
				Toluene	6.35E-03	mg/L	5.96E-05	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.16E-02	mg/L	1.09E-04	mg/kg-day	--	(mg/kg-day)-1	--
				Trichloroethene	1.00E+00	mg/L	9.40E-03	mg/kg-day	4.00E-01	(mg/kg-day)-1	3.76E-03
				Vanadium	2.85E-02	mg/L	2.68E-04	mg/kg-day	--	--	--

TABLE F-6.3.7.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Ingestion (continued)	Vinyl chloride	2.54E-02	mg/L	2.38E-04	mg/kg-day	7.20E-01	(mg/kg-day)-1	1.72E-04
				Xylene (Total)	1.75E-02	mg/L	1.64E-04	mg/kg-day	--	--	--
				Zinc	1.50E-01	mg/L	1.41E-03	mg/kg-day	--	--	--
			Exp.osure Route Total								**4.32E-03**
			Dermal (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/L	1.87E-05	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	1.06E-02	mg/L	3.33E-06	mg/kg-day	5.70E-02	(mg/kg-day)-1	1.90E-07
				1,1-Dichlorethane	1.08E-01	mg/L	4.70E-05	mg/kg-day	5.70E-03	(mg/kg-day)-1	2.68E-07
				1,1-Dichlorethene	5.89E-01	mg/L	4.59E-04	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	5.24E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorobenzene	1.34E-02	mg/L	4.32E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorethane	1.25E-02	mg/L	3.27E-06	mg/kg-day	9.10E-02	(mg/kg-day)-1	2.97E-07
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	2.15E-04	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.00E-04	mg/L	4.86E-08	mg/kg-day	6.80E-02	(mg/kg-day)-1	3.31E-09
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	4.92E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,3-Dichlorobenzene	4.50E-03	mg/L	1.71E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,4-Dichlorobenzene	6.42E-03	mg/L	1.95E-05	mg/kg-day	2.40E-02	(mg/kg-day)-1	4.68E-07
				2-Butanone	7.10E-02	mg/L	3.86E-06	mg/kg-day	--	--	--
				2-Hexanone	2.00E-03	mg/L	4.36E-07	mg/kg-day	--	--	--
				2-Methylnaphthalene	7.00E-04	mg/L	4.87E-06	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/L	5.65E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	2.00E-03	mg/L	1.30E-05	mg/kg-day	--	--	--
				Acenaphthylene	2.00E-03	mg/L	1.38E-05	mg/kg-day	--	--	--
				Acetone	1.65E+00	mg/L	4.61E-05	mg/kg-day	--	--	--
				Aluminum	9.88E-01	mg/L	1.04E-04	mg/kg-day	--	--	--
				Antimony	1.43E-02	mg/L	7.64E-07	mg/kg-day	--	--	--
				Arsenic	1.98E-02	mg/L	1.87E-06	mg/kg-day	1.50E+00	(mg/kg-day)-1	2.81E-06
				Barium	2.70E-01	mg/L	5.33E-06	mg/kg-day	--	--	--
				Benzene	1.59E-02	mg/L	1.61E-05	mg/kg-day	5.50E-02	(mg/kg-day)-1	8.87E-07
				Benzo(a)anthracene	1.00E-04	mg/L	4.65E-06	mg/kg-day	7.30E-01	(mg/kg-day)-1	3.39E-06
				Benzo(a)pyrene	1.00E-04	mg/L	6.08E-06	mg/kg-day	7.30E+00	(mg/kg-day)-1	4.44E-05
				Beryllium	1.41E-03	mg/L	4.57E-08	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	6.85E-04	mg/kg-day	--	(mg/kg-day)-1	--
				Bromodichloromethane	7.10E-03	mg/L	1.75E-06	mg/kg-day	6.20E-02	(mg/kg-day)-1	1.08E-07
				Cadmium	1.60E-02	mg/L	2.75E-07	mg/kg-day	--	--	--
				Carbon disulfide	7.53E-03	mg/L	5.76E-06	mg/kg-day	--	--	--
				Chlorobenzene	6.07E-03	mg/L	1.21E-05	mg/kg-day	--	--	--
				Chloroethane	1.23E-02	mg/L	4.83E-06	mg/kg-day	2.90E-03	(mg/kg-day)-1	1.40E-08
				Chloroform	7.44E-03	mg/L	3.26E-06	mg/kg-day	--	--	--
				Chloromethane	7.26E-03	mg/L	1.48E-06	mg/kg-day	--	--	--
				Chromium	1.52E-01	mg/L	7.45E-06	mg/kg-day	--	--	--
				Chromium (VI)	4.72E-01	mg/L	2.32E-05	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	5.55E-02	mg/L	4.05E-05	mg/kg-day	--	--	--

TABLE F-8.3.7.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Dermal (bathing/ showering) (continued)	Cobalt	1.51E-02	mg/L	8.97E-07	mg/kg-day	--	--	--
				Copper	1.24E-02	mg/L	1.86E-07	mg/kg-day	--	--	--
				Cyanide	6.60E-02	mg/L	2.80E-06	mg/kg-day	--	--	--
				Ethylbenzene	7.18E-03	mg/L	2.60E-05	mg/kg-day	--	--	--
				Fluoranthene	1.80E-03	mg/L	4.53E-05	mg/kg-day	--	--	--
				Fluorene	1.00E-03	mg/L	8.38E-06	mg/kg-day	--	--	--
				Hexachlorobutadiene	4.00E-04	mg/L	2.37E-06	mg/kg-day	7.80E-02	(mg/kg-day)-1	1.85E-07
				Iron	1.70E+01	mg/L	2.06E-04	mg/kg-day	--	--	--
				Isopropylbenzene	5.50E-03	mg/L	3.78E-05	mg/kg-day	--	--	--
				Lead	7.38E-03	mg/L	1.24E-07	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	5.21E-05	mg/kg-day	--	--	--
				Manganese	9.91E+00	mg/L	6.22E-04	mg/kg-day	--	--	--
				Mercury	4.40E-05	mg/L	2.16E-09	mg/kg-day	--	--	--
				Methylene chloride	9.90E-03	mg/L	2.17E-06	mg/kg-day	7.50E-03	(mg/kg-day)-1	1.62E-08
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	8.78E-07	mg/kg-day	1.80E-03	(mg/kg-day)-1	1.58E-09
				Molybdenum	7.50E-02	mg/L	2.65E-06	mg/kg-day	--	--	--
				Naphthalene	3.35E-02	mg/L	1.14E-04	mg/kg-day	1.20E-01	(mg/kg-day)-1	1.37E-05
				n-Butylbenzene	2.40E-03	mg/L	1.65E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Nickel	1.83E-01	mg/L	2.95E-06	mg/kg-day	--	--	--
				n-Propylbenzene	1.22E-02	mg/L	8.39E-05	mg/kg-day	--	(mg/kg-day)-1	--
				o-Xylene	6.86E-03	mg/L	2.37E-05	mg/kg-day	--	--	--
				Phenanthrene	2.00E-03	mg/L	2.25E-05	mg/kg-day	--	--	--
				Phenol	6.60E-03	mg/L	1.79E-06	mg/kg-day	--	--	--
				p-Isopropyltoluene	8.00E-04	mg/L	5.49E-06	mg/kg-day	0.00E+00	(mg/kg-day)-1	0.00E+00
				Pyrene	3.00E-03	mg/L	4.77E-05	mg/kg-day	--	--	--
				sec-Butylbenzene	5.00E-04	mg/L	3.43E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Selenium	1.08E-02	mg/L	4.78E-07	mg/kg-day	--	--	--
				Silver	5.48E-03	mg/L	1.64E-07	mg/kg-day	--	--	--
				Tert-Butanol	4.21E-01	mg/L	3.92E-05	mg/kg-day	--	(mg/kg-day)-1	--
				tert-Butylbenzene	3.00E-04	mg/L	2.06E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Tetrachloroethene	5.84E-03	mg/L	1.38E-05	mg/kg-day	5.40E-01	(mg/kg-day)-1	7.44E-06
				Thallium	8.12E-03	mg/L	3.98E-07	mg/kg-day	--	--	--
				Toluene	6.35E-03	mg/L	1.41E-05	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.16E-02	mg/L	2.74E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Trichloroethene	1.00E+00	mg/L	7.70E-04	mg/kg-day	4.00E-01	(mg/kg-day)-1	3.08E-04
				Vanadium	2.85E-02	mg/L	1.89E-06	mg/kg-day	--	--	--
				Vinyl chloride	2.54E-02	mg/L	1.41E-05	mg/kg-day	7.20E-01	(mg/kg-day)-1	1.01E-05
				Xylene (Total)	1.75E-02	mg/L	6.88E-05	mg/kg-day	--	--	--
				Zinc	1.50E-01	mg/L	2.51E-06	mg/kg-day	--	--	--
			Exposure Route Total								**3.92E-04**
		Exposure Point Total									**4.71E-03**
	Exposure Medium Total										**4.71E-03**

TABLE F-8.3.7.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Domestic Use of Groundwater Indoors (continued)	Inhalation (bathing/ showering) (continued)	1,1,1-Trichloroethane	2.23E-02	mg/L	2.52E-05	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	1.06E-02	mg/L	1.20E-05	mg/kg-day	5.60E-02	(mg/kg-day)-1	6.69E-07
				1,1-Dichlorethane	1.08E-01	mg/L	1.22E-04	mg/kg-day	5.70E-03	(mg/kg-day)-1	6.97E-07
				1,1-Dichlorethene	5.89E-01	mg/L	6.66E-04	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	1.28E-05	mg/kg-day	--	--	--
				1,2-Dichlorobenzene	1.34E-02	mg/L	1.51E-05	mg/kg-day	--	--	--
				1,2-Dichlorethane	1.25E-02	mg/L	1.41E-05	mg/kg-day	9.10E-02	(mg/kg-day)-1	1.28E-06
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	3.32E-04	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.00E-04	mg/L	1.13E-07	mg/kg-day	6.80E-02	(mg/kg-day)-1	7.69E-09
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	1.20E-05	mg/kg-day	--	--	--
				1,3-Dichlorobenzene	4.50E-03	mg/L	5.09E-06	mg/kg-day	--	--	--
				1,4-Dichlorobenzene	6.42E-03	mg/L	7.26E-06	mg/kg-day	2.20E-02	(mg/kg-day)-1	1.60E-07
				2-Butanone	7.10E-02	mg/L	8.03E-05	mg/kg-day	--	--	--
				2-Hexanone	2.00E-03	mg/L	2.26E-06	mg/kg-day	--	--	--
				2-MethylNaphthalene	7.00E-04	mg/L	7.91E-07	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/L	3.28E-05	mg/kg-day	--	--	--
				Acenaphthene	2.00E-03	mg/L	2.26E-06	mg/kg-day	--	--	--
				Acenaphthylene	2.00E-03	mg/L	2.26E-06	mg/kg-day	--	--	--
				Acetone	1.65E+00	mg/L	1.87E-03	mg/kg-day	--	--	--
				Benzene	1.59E-02	mg/L	1.80E-05	mg/kg-day	2.70E-02	(mg/kg-day)-1	4.85E-07
				Bromodichloromethane	7.10E-03	mg/L	8.03E-06	mg/kg-day	6.20E-02	(mg/kg-day)-1	4.98E-07
				Carbon disulfide	7.53E-03	mg/L	8.51E-06	mg/kg-day	--	--	--
				Chlorobenzene	6.07E-03	mg/L	6.87E-06	mg/kg-day	--	--	--
				Chloroethane	1.23E-02	mg/L	1.40E-05	mg/kg-day	2.90E-03	(mg/kg-day)-1	4.05E-08
				Chloroform	7.44E-03	mg/L	8.41E-06	mg/kg-day	8.05E-02	(mg/kg-day)-1	6.77E-07
				Chloromethane	7.26E-03	mg/L	8.21E-06	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	5.55E-02	mg/L	6.27E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Cyanide	6.60E-02	mg/L	7.46E-05	mg/kg-day	--	--	--
				Ethylbenzene	7.18E-03	mg/L	8.12E-06	mg/kg-day	--	--	--
				Fluorene	1.00E-03	mg/L	1.13E-06	mg/kg-day	--	--	--
				Hexachlorobutadiene	4.00E-04	mg/L	4.52E-07	mg/kg-day	7.80E-02	(mg/kg-day)-1	3.53E-08
				Isopropylbenzene	5.50E-03	mg/L	6.22E-06	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	1.50E-05	mg/kg-day	--	--	--
				Methylene Chloride	9.90E-03	mg/L	1.12E-05	mg/kg-day	1.65E-03	(mg/kg-day)-1	1.84E-08
				Methyl-T-Butyl-ether	6.97E-03	mg/L	7.88E-06	mg/kg-day	9.10E-04	(mg/kg-day)-1	7.17E-09
				Naphthalene	3.35E-02	mg/L	3.79E-05	mg/kg-day	1.20E-01	(mg/kg-day)-1	4.54E-06
				n-Butylbenzene	2.40E-03	mg/L	2.71E-06	mg/kg-day	--	--	--
				n-propylbenzene	1.22E-02	mg/L	1.38E-05	mg/kg-day	--	--	--
				o-Xylene	6.86E-03	mg/L	7.76E-06	mg/kg-day	--	--	--
				Phenanthrene	2.00E-03	mg/L	2.26E-06	mg/kg-day	--	--	--
				Pyrene	3.00E-03	mg/L	3.39E-06	mg/kg-day	--	--	--
				sec-Butylbenzene	5.00E-04	mg/L	5.65E-07	mg/kg-day	--	--	--

TABLE F-8.3.7.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Domestic Use of Groundwater Indoors (continued)	Inhalation (bathing/ showering) (continued)	tert-Butylbenzene	3.00E-04	mg/L	3.39E-07	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.16E-02	mg/L	1.31E-05	mg/kg-day	--	--	--
				Tetrachloroethene	5.84E-03	mg/L	6.61E-06	mg/kg-day	2.10E-02	(mg/kg-day)-1	1.39E-07
				Toluene	6.35E-03	mg/L	7.18E-06	mg/kg-day	--	--	--
				Trichloroethene	1.00E+00	mg/L	1.13E-03	mg/kg-day	4.00E-01	(mg/kg-day)-1	4.52E-04
				Vinyl chloride	2.54E-02	mg/L	2.87E-05	mg/kg-day	3.10E-02	(mg/kg-day)-1	8.89E-07
				Xylene (Total)	1.75E-02	mg/L	1.98E-05	mg/kg-day	--	--	--
			Exposure Route Total								**4.63E-04**
		Exposure Point Total									**4.63E-04**
		Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-03	mg/m^3	1.88E-04	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	4.59E-05	mg/m^3	4.29E-06	mg/kg-day	5.60E-02	(mg/kg-day)-1	2.40E-07
				1,1-Dichlorethane	3.16E-03	mg/m^3	2.96E-04	mg/kg-day	5.70E-03	(mg/kg-day)-1	1.69E-06
				1,1-Dichlorethene	9.92E-02	mg/m^3	9.28E-03	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	2.33E-04	mg/m^3	2.18E-05	mg/kg-day	--	--	--
				1,2-Dichlorobenzene	9.49E-05	mg/m^3	8.88E-06	mg/kg-day	--	--	--
				1,2-Dichlorethane	7.70E-05	mg/m^3	7.20E-06	mg/kg-day	9.10E-02	(mg/kg-day)-1	6.56E-07
				1,2-Dichlorethene (Total)	6.08E-03	mg/m^3	5.69E-04	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.41E-06	mg/m^3	1.32E-07	mg/kg-day	6.80E-02	(mg/kg-day)-1	8.95E-09
				1,3,5-Trimethylbenzene	2.08E-04	mg/m^3	1.95E-05	mg/kg-day	--	--	--
				1,3-Dichlorobenzene	5.39E-05	mg/m^3	5.04E-06	mg/kg-day	--	--	--
				1,4-Dichlorobenzene	5.92E-05	mg/m^3	5.54E-06	mg/kg-day	2.20E-02	(mg/kg-day)-1	1.22E-07
				2-Butanone	2.35E-05	mg/m^3	2.20E-06	mg/kg-day	--	--	--
				2-Hexanone	1.31E-06	mg/m^3	1.23E-07	mg/kg-day	--	--	--
				2-MethylNaphthalene	8.28E-07	mg/m^3	7.74E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-05	mg/m^3	1.78E-06	mg/kg-day	--	--	--
				Acenaphthene	6.52E-07	mg/m^3	6.10E-08	mg/kg-day	--	--	--
				Acenaphthylene	6.52E-07	mg/m^3	6.10E-08	mg/kg-day	--	--	--
				Acetone	5.45E-04	mg/m^3	5.10E-05	mg/kg-day	--	--	--
				Benzene	5.01E-04	mg/m^3	4.69E-05	mg/kg-day	2.70E-02	(mg/kg-day)-1	1.27E-06
				Bromodichloromethane	2.55E-05	mg/m^3	2.39E-06	mg/kg-day	6.20E-02	(mg/kg-day)-1	1.48E-07
				Carbon disulfide	1.61E-03	mg/m^3	1.50E-04	mg/kg-day	--	--	--
				Chlorobenzene	9.89E-05	mg/m^3	9.26E-06	mg/kg-day	--	--	--
				Chloroethane	1.47E-03	mg/m^3	1.37E-04	mg/kg-day	2.90E-03	(mg/kg-day)-1	3.98E-07
				Chloroform	1.82E-04	mg/m^3	1.71E-05	mg/kg-day	8.05E-02	(mg/kg-day)-1	1.37E-06
				Chloromethane	5.88E-04	mg/m^3	5.50E-05	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	1.15E-03	mg/m^3	1.08E-04	mg/kg-day	--	(mg/kg-day)-1	--
				Cyanide	9.60E-05	mg/m^3	8.98E-06	mg/kg-day	--	--	--
				Ethylbenzene	2.48E-04	mg/m^3	2.32E-05	mg/kg-day	--	--	--
				Fluorene	1.34E-07	mg/m^3	1.25E-08	mg/kg-day	--	--	--
				Hexachlorobutadiene	9.57E-06	mg/m^3	8.95E-07	mg/kg-day	7.80E-02	(mg/kg-day)-1	6.98E-08

TABLE F-6.3.7.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	Isopropylbenzene	2.12E-02	mg/m^3	1.99E-03	mg/kg-day	--	--	--
				m,p-Xylene	4.52E-04	mg/m^3	4.22E-05	mg/kg-day	--	--	--
				Methylene Chloride	1.47E-04	mg/m^3	1.37E-05	mg/kg-day	1.65E-03	(mg/kg-day)-1	2.26E-08
				Methyl-T-Butyl-ether	2.95E-05	mg/m^3	2.76E-06	mg/kg-day	9.10E-04	(mg/kg-day)-1	2.52E-09
				Naphthalene	5.03E-05	mg/m^3	4.70E-06	mg/kg-day	1.20E-01	(mg/kg-day)-1	5.64E-07
				n-Butylbenzene	9.94E-05	mg/m^3	9.30E-06	mg/kg-day	--	--	--
				n-propylbenzene	4.44E-04	mg/m^3	4.15E-05	mg/kg-day	--	--	--
				o-Xylene	1.73E-04	mg/m^3	1.62E-05	mg/kg-day	--	--	--
				Phenanthrene	1.75E-07	mg/m^3	1.64E-08	mg/kg-day	--	--	--
				Pyrene	6.77E-08	mg/m^3	6.33E-09	mg/kg-day	--	--	--
				sec-Butylbenzene	5.50E-08	mg/m^3	5.15E-09	mg/kg-day	--	--	--
				tert-Butylbenzene	1.30E-05	mg/m^3	1.21E-06	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	9.43E-04	mg/m^3	8.82E-05	mg/kg-day	--	--	--
				Tetrachloroethene	4.75E-04	mg/m^3	4.44E-05	mg/kg-day	2.10E-02	(mg/kg-day)-1	9.33E-07
				Toluene	2.22E-04	mg/m^3	2.07E-05	mg/kg-day	--	--	--
				Trichloroethene	5.23E-02	mg/m^3	4.89E-03	mg/kg-day	4.00E-01	(mg/kg-day)-1	1.96E-03
				Vinyl chloride	5.47E-03	mg/m^3	5.12E-04	mg/kg-day	3.10E-02	(mg/kg-day)-1	1.59E-05
				Xylene (Total)	5.96E-04	mg/m^3	5.58E-05	mg/kg-day	--	--	--
			Exposure Route Total								**1.98E-03**
		Exposure Point Total									**1.98E-03**
	Exposure Medium Total										**2.44E-03**
Medium Total											**7.16E-03**
										Total of Receptor Hazards Across All Media	**7.17E-03**

Notes:

--	Not applicable or not available
CSF	Cancer slope factor
EPA	U.S. Environmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligram per kilogram
mg/kg-day	Milligram per kilogram per day
(mg/kg-day)-1	1/(Milligram per kilogram per day)
mg/L	Milligram per liter
mg/m^3	Milligram per cubic meter
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile Organic Compound

See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-8.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL CANCER RISKS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Ingestion	2,4-Dimethylphenol	3.80E-02	mg/kg	4.16E-08	mg/kg-day	--	(mg/kg-day)-1	--
				2-Methylnaphthalene	3.27E-02	mg/kg	3.59E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	3.42E+00	mg/kg	3.75E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	1.50E-01	mg/kg	1.64E-07	mg/kg-day	--	--	--
				Acenaphthylene	1.62E-02	mg/kg	1.78E-08	mg/kg-day	--	--	--
				Aluminum	6.87E+03	mg/kg	7.53E-03	mg/kg-day	--	--	--
				Anthracene	4.08E-01	mg/kg	4.47E-07	mg/kg-day	--	--	--
				Antimony	2.60E+00	mg/kg	2.85E-06	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	3.29E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	6.58E-08
				Aroclor-1260	2.01E-01	mg/kg	2.20E-07	mg/kg-day	2.00E+00	(mg/kg-day)-1	4.40E-07
				Arsenic	2.50E+00	mg/kg	2.74E-06	mg/kg-day	1.50E+00	(mg/kg-day)-1	4.12E-06
				Barium	4.09E+01	mg/kg	4.48E-05	mg/kg-day	--	--	--
				Benzene	1.20E-03	mg/kg	1.32E-09	mg/kg-day	5.50E-02	(mg/kg-day)-1	7.23E-11
				Benzo(a)anthracene	1.63E+00	mg/kg	1.79E-06	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.30E-06
				Benzo(a)pyrene	7.72E-01	mg/kg	8.46E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	6.18E-06
				Benzo(b)fluoranthene	1.44E+00	mg/kg	1.58E-06	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.15E-06
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	3.11E-07	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	3.49E-01	mg/kg	3.82E-07	mg/kg-day	7.30E-02	(mg/kg-day)-1	2.79E-08
				Beryllium	2.00E+00	mg/kg	2.19E-06	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	3.08E-07	mg/kg-day	1.40E-02	(mg/kg-day)-1	4.32E-09
				Cadmium	3.74E+00	mg/kg	4.10E-06	mg/kg-day	--	--	--
				Carbazole	7.80E-01	mg/kg	8.55E-07	mg/kg-day	2.00E-02	(mg/kg-day)-1	1.71E-08
				Carbon disulfide	5.00E-03	mg/kg	5.48E-09	mg/kg-day	--	--	--
				Chlorobenzene	2.00E-03	mg/kg	2.19E-09	mg/kg-day	--	--	--
				Chloroform	2.00E-03	mg/kg	2.19E-09	mg/kg-day	--	--	--
				Chromium	3.55E+01	mg/kg	3.89E-05	mg/kg-day	--	--	--
				Chrysene	1.37E+00	mg/kg	1.50E-06	mg/kg-day	7.30E-03	(mg/kg-day)-1	1.09E-08
				Cobalt	7.70E+00	mg/kg	8.44E-06	mg/kg-day	--	--	--
				Copper	1.90E+01	mg/kg	2.08E-05	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	1.14E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	8.29E-07
				Dibenzofuran	1.70E-01	mg/kg	1.86E-07	mg/kg-day	--	--	--
				di-n-Butylphthalate	9.20E-02	mg/kg	1.01E-07	mg/kg-day	--	(mg/kg-day)-1	--
				Fluoranthene	4.84E+00	mg/kg	5.31E-06	mg/kg-day	--	--	--
				Fluorene	1.90E-01	mg/kg	2.09E-07	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	2.63E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.92E-07
				Iron	1.24E+04	mg/kg	1.36E-02	mg/kg-day	--	--	--
				Lead	2.91E+01	mg/kg	3.19E-05	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	2.16E-04	mg/kg-day	--	--	--
				Mercury	6.30E-01	mg/kg	6.90E-07	mg/kg-day	--	--	--
				Methylene chloride	2.50E-02	mg/kg	2.74E-08	mg/kg-day	7.50E-03	(mg/kg-day)-1	2.05E-10
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	7.89E-08	mg/kg-day	1.80E-03	(mg/kg-day)-1	1.42E-10
				Molybdenum	8.70E-01	mg/kg	9.53E-07	mg/kg-day	--	--	--

TABLE F-o.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Ingestion (continued)	Naphthalene	4.32E-02	mg/kg	4.73E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	5.68E-09
				Nickel	3.99E+01	mg/kg	4.38E-05	mg/kg-day	--	--	--
				Phenanthrene	1.91E+00	mg/kg	2.10E-06	mg/kg-day	--	--	--
				Pyrene	2.22E+00	mg/kg	2.43E-06	mg/kg-day	--	--	--
				Selenium	2.88E-01	mg/kg	3.16E-07	mg/kg-day	--	--	--
				Silver	1.80E+00	mg/kg	1.97E-06	mg/kg-day	--	--	--
				Thallium	4.68E-01	mg/kg	5.13E-07	mg/kg-day	--	--	--
				Vanadium	2.70E+01	mg/kg	2.96E-05	mg/kg-day	--	--	--
				Xylene (Total)	2.00E-03	mg/kg	2.19E-09	mg/kg-day	--	--	--
				Zinc	4.30E+01	mg/kg	4.71E-05	mg/kg-day	--	--	--
			Exposure Route Total								**1.43E-05**
			Dermal	2,4-Dimethylphenol	3.80E-02	mg/kg	1.2E-09	mg/kg-day	--	(mg/kg-day)-1	--
				2-Methylnaphthalene	3.27E-02	mg/kg	1.0E-09	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	3.42E+00	mg/kg	1.0E-07	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	1.50E-01	mg/kg	6.0E-08	mg/kg-day	--	--	--
				Acenaphthylene	1.62E-02	mg/kg	5.0E-10	mg/kg-day	--	--	--
				Aluminum	6.87E+03	mg/kg	2.1E-05	mg/kg-day	--	--	--
				Anthracene	4.08E-01	mg/kg	1.6E-07	mg/kg-day	--	--	--
				Antimony	2.60E+00	mg/kg	8.0E-09	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	1.3E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.58E-08
				Aroclor-1260	2.01E-01	mg/kg	8.6E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.72E-07
				Arsenic	2.50E+00	mg/kg	2.3E-07	mg/kg-day	1.50E+00	(mg/kg-day)-1	3.46E-07
				Barium	4.09E+01	mg/kg	1.3E-07	mg/kg-day	--	--	--
				Benzene	1.20E-03	mg/kg	3.7E-11	mg/kg-day	5.50E-02	(mg/kg-day)-1	2.03E-12
				Benzo(a)anthracene	1.63E+00	mg/kg	6.5E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.75E-07
				Benzo(a)pyrene	7.72E-01	mg/kg	3.1E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.25E-06
				Benzo(b)fluoranthene	1.44E+00	mg/kg	5.8E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.20E-07
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	1.1E-07	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	3.49E-01	mg/kg	1.4E-07	mg/kg-day	7.30E-02	(mg/kg-day)-1	1.02E-08
				Beryllium	2.00E+00	mg/kg	6.1E-09	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	8.6E-09	mg/kg-day	--	(mg/kg-day)-1	--
				Cadmium	3.74E+00	mg/kg	1.1E-08	mg/kg-day	--	--	--
				Carbazole	7.80E-01	mg/kg	2.4E-08	mg/kg-day	2.00E-02	(mg/kg-day)-1	4.79E-10
				Carbon disulfide	5.00E-03	mg/kg	3.8E-09	mg/kg-day	--	--	--
				Chlorobenzene	2.00E-03	mg/kg	6.1E-11	mg/kg-day	--	--	--
				Chloroform	2.00E-03	mg/kg	6.1E-11	mg/kg-day	--	--	--
				Chromium	3.55E+01	mg/kg	1.1E-07	mg/kg-day	--	--	--
				Chrysene	1.37E+00	mg/kg	5.5E-07	mg/kg-day	7.30E-03	(mg/kg-day)-1	3.98E-09
				Cobalt	7.70E+00	mg/kg	2.4E-08	mg/kg-day	--	--	--
				Copper	1.90E+01	mg/kg	5.8E-08	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	4.1E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	3.02E-07
				Dibenzofuran	1.70E-01	mg/kg	5.2E-09	mg/kg-day	--	--	--

TABLE F-8.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Dermal (continued)	di-n-Butylphthalate	9.20E-02	mg/kg	2.8E-09	mg/kg-day	--	(mg/kg-day)-1	--
				Fluoranthene	4.84E+00	mg/kg	1.9E-06	mg/kg-day	--	--	--
				Fluorene	1.90E-01	mg/kg	7.6E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	9.6E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	6.99E-08
				Iron	1.24E+04	mg/kg	3.8E-05	mg/kg-day	--	--	--
				Lead	2.91E+01	mg/kg	8.9E-08	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	6.1E-07	mg/kg-day	--	--	--
				Mercury	6.30E-01	mg/kg	--	mg/kg-day	--	--	--
				Methylene chloride	2.50E-02	mg/kg	7.7E-10	mg/kg-day	7.50E-03	(mg/kg-day)-1	5.75E-12
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	2.2E-09	mg/kg-day	1.80E-03	(mg/kg-day)-1	3.98E-12
				Molybdenum	8.70E-01	mg/kg	2.7E-09	mg/kg-day	--	--	--
				Naphthalene	4.32E-02	mg/kg	1.7E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	2.07E-09
				Nickel	3.99E+01	mg/kg	1.2E-07	mg/kg-day	--	--	--
				Phenanthrene	1.91E+00	mg/kg	5.9E-08	mg/kg-day	--	--	--
				Pyrene	2.22E+00	mg/kg	8.9E-07	mg/kg-day	--	--	--
				Selenium	2.88E-01	mg/kg	8.9E-10	mg/kg-day	--	--	--
				Silver	1.80E+00	mg/kg	5.5E-09	mg/kg-day	--	--	--
				Thallium	4.68E-01	mg/kg	--	mg/kg-day	--	--	--
				Vanadium	2.70E+01	mg/kg	8.3E-08	mg/kg-day	--	--	--
				Xylene (Total)	2.00E-03	mg/kg	6.1E-11	mg/kg-day	--	--	--
				Zinc	4.30E+01	mg/kg	1.3E-07	mg/kg-day	--	--	--
			Exposure Route Total								**4.08E-06**
		Exposure Point Total									**1.84E-05**
		Homegrown Produce	Ingestion	2,4-Dimethylphenol	3.80E-02	mg/kg	1.8E-07	mg/kg-day	--	(mg/kg-day)-1	--
				2-Methylnaphthalene	3.27E-02	mg/kg	--	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	3.42E+00	mg/kg	--	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	1.50E-01	mg/kg	--	mg/kg-day	--	--	--
				Acenaphthylene	1.62E-02	mg/kg	--	mg/kg-day	--	--	--
				Aluminum	6.87E+03	mg/kg	--	mg/kg-day	--	--	--
				Anthracene	4.08E-01	mg/kg	--	mg/kg-day	--	--	--
				Antimony	2.60E+00	mg/kg	--	mg/kg-day	--	--	--
				Aroclor-1254	3.00E-02	mg/kg	5.0E-10	mg/kg-day	2.00E+00	(mg/kg-day)-1	9.92E-10
				Aroclor-1260	2.01E-01	mg/kg	1.4E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.77E-09
				Arsenic	2.50E+00	mg/kg	1.1E-06	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.63E-06
				Barium	4.09E+01	mg/kg	--	mg/kg-day	--	--	--
				Benzene	1.20E-03	mg/kg	--	mg/kg-day	5.50E-02	(mg/kg-day)-1	--
				Benzo(a)anthracene	1.63E+00	mg/kg	1.1E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	8.39E-09
				Benzo(a)pyrene	7.72E-01	mg/kg	3.6E-09	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.64E-08
				Benzo(b)fluoranthene	1.44E+00	mg/kg	8.0E-09	mg/kg-day	7.30E-01	(mg/kg-day)-1	5.84E-09
				Benzo(g,h,i)perylene	2.84E-01	mg/kg	--	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	3.49E-01	mg/kg	1.6E-09	mg/kg-day	7.30E-02	(mg/kg-day)-1	1.18E-10
				Beryllium	2.00E+00	mg/kg	--	mg/kg-day	--	--	--

TABLE F-6.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Soil (continued)	Homegrown Produce (continued)	Ingestion (continued)	bis(2-ethylhexyl)phthalate	2.81E-01	mg/kg	1.8E-11	mg/kg-day	1.40E-02	(mg/kg-day)-1	2.53E-13
				Cadmium	3.74E+00	mg/kg	2.1E-05	mg/kg-day	--	--	--
				Carbazole	7.80E-01	mg/kg	1.9E-06	mg/kg-day	2.00E-02	(mg/kg-day)-1	3.86E-08
				Carbon disulfide	5.00E-03	mg/kg	--	mg/kg-day	--	--	--
				Chlorobenzene	2.00E-03	mg/kg	--	mg/kg-day	--	--	--
				Chloroform	2.00E-03	mg/kg	--	mg/kg-day	--	--	--
				Chromium	3.55E+01	mg/kg	--	mg/kg-day	--	--	--
				Chrysene	1.37E+00	mg/kg	9.6E-09	mg/kg-day	7.30E-03	(mg/kg-day)-1	7.03E-11
				Cobalt	7.70E+00	mg/kg	--	mg/kg-day	--	--	--
				Copper	1.90E+01	mg/kg	--	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.04E-01	mg/kg	3.2E-10	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.30E-09
				Dibenzofuran	1.70E-01	mg/kg	--	mg/kg-day	--	--	--
				di-n-Butylphthalate	9.20E-02	mg/kg	1.3E-09	mg/kg-day	--	(mg/kg-day)-1	--
				Fluoranthene	4.84E+00	mg/kg	3.7E-08	mg/kg-day	--	--	--
				Fluorene	1.90E-01	mg/kg	--	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.40E-01	mg/kg	9.6E-10	mg/kg-day	7.30E-01	(mg/kg-day)-1	6.98E-10
				Iron	1.24E+04	mg/kg	--	mg/kg-day	--	--	--
				Lead	2.91E+01	mg/kg	--	mg/kg-day	--	--	--
				Manganese	1.97E+02	mg/kg	--	mg/kg-day	--	--	--
				Mercury	6.30E-01	mg/kg	4.2E-07	mg/kg-day	--	--	--
				Methylene chloride	2.50E-02	mg/kg	--	mg/kg-day	7.50E-03	(mg/kg-day)-1	--
				Methyl-T-Butyl-Ether	7.20E-02	mg/kg	--	mg/kg-day	1.80E-03	(mg/kg-day)-1	--
				Molybdenum	8.70E-01	mg/kg	--	mg/kg-day	--	--	--
				Naphthalene	4.32E-02	mg/kg	--	mg/kg-day	1.20E-01	(mg/kg-day)-1	--
				Nickel	3.99E+01	mg/kg	2.8E-05	mg/kg-day	--	--	--
				Phenanthrene	1.91E+00	mg/kg	--	mg/kg-day	--	--	--
				Pyrene	2.22E+00	mg/kg	--	mg/kg-day	--	--	--
				Selenium	2.88E-01	mg/kg	2.0E-07	mg/kg-day	--	--	--
				Silver	1.80E+00	mg/kg	--	mg/kg-day	--	--	--
				Thallium	4.68E-01	mg/kg	--	mg/kg-day	--	--	--
				Vanadium	2.70E+01	mg/kg	--	mg/kg-day	--	--	--
				Xylene (Total)	2.00E-03	mg/kg	--	mg/kg-day	--	--	--
				Zinc	4.30E+01	mg/kg	1.2E-04	mg/kg-day	--	--	--
			Exposure Route Total								1.72E-06
		Exposure Point Total									1.72E-06
	Exposure Medium Total										2.01E-05
	Air	Outdoor Air	Inhalation (particulates or VOCs)	2,4-Dimethylphenol	2.88E-11	mg/m^3	1.6E-12	mg/kg-day	--	--	--
				2-Methylnaphthalene	2.31E-07	mg/m^3	1.3E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.37E-04	mg/m^3	7.6E-06	mg/kg-day	--	--	--
				Acenaphthene	8.34E-07	mg/m^3	4.6E-08	mg/kg-day	--	--	--
				Acenaphthylene	9.01E-08	mg/m^3	5.0E-09	mg/kg-day	--	--	--
				Aluminum	5.21E-06	mg/m^3	2.9E-07	mg/kg-day	--	--	--

TABLE F-8.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Air (continued)	Outdoor Air (continued)	Inhalation (particulates or VOCs) (continued)	Anthracene	5.82E-07	mg/m^3	3.2E-08	mg/kg-day	--	--	--
				Antimony	1.97E-09	mg/m^3	1.1E-10	mg/kg-day	--	--	--
				Aroclor-1254	2.27E-11	mg/m^3	1.3E-12	mg/kg-day	2.00E+00	(mg/kg-day)-1	2.51E-12
				Aroclor-1260	1.52E-10	mg/m^3	8.4E-12	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.68E-11
				Arsenic	1.90E-09	mg/m^3	1.0E-10	mg/kg-day	1.50E+01	(mg/kg-day)-1	1.57E-09
				Barium	3.10E-08	mg/m^3	1.7E-09	mg/kg-day	--	--	--
				Benzene	4.44E-07	mg/m^3	2.5E-08	mg/kg-day	2.70E-02	(mg/kg-day)-1	6.63E-10
				Benzo(a)anthracene	1.24E-09	mg/m^3	6.8E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.98E-11
				Benzo(a)pyrene	5.85E-10	mg/m^3	3.2E-11	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.36E-10
				Benzo(b)fluoranthene	1.09E-09	mg/m^3	6.0E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.40E-11
				Benzo(g,h,i)perylene	2.15E-10	mg/m^3	1.2E-11	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.64E-10	mg/m^3	1.5E-11	mg/kg-day	7.30E-02	(mg/kg-day)-1	1.07E-12
				Beryllium	1.52E-09	mg/m^3	8.4E-11	mg/kg-day	8.40E+00	(mg/kg-day)-1	7.03E-10
				bis(2-ethylhexyl)phthalate	2.13E-10	mg/m^3	1.2E-11	mg/kg-day	1.40E-02	(mg/kg-day)-1	1.65E-13
				Cadmium	2.83E-09	mg/m^3	1.6E-10	mg/kg-day	6.30E+00	(mg/kg-day)-1	9.85E-10
				Carbazole	5.91E-10	mg/m^3	3.3E-11	mg/kg-day	2.00E-02	(mg/kg-day)-1	6.53E-13
				Carbon disulfide	4.17E-06	mg/m^3	2.3E-07	mg/kg-day	--	--	--
				Chlorobenzene	3.17E-07	mg/m^3	1.8E-08	mg/kg-day	--	--	--
				Chloroform	7.41E-07	mg/m^3	4.1E-08	mg/kg-day	8.05E-02	(mg/kg-day)-1	3.29E-09
				Chromium	2.69E-08	mg/m^3	1.5E-09	mg/kg-day	--	--	--
				Chrysene	1.04E-09	mg/m^3	5.7E-11	mg/kg-day	7.30E-03	(mg/kg-day)-1	4.18E-13
				Cobalt	5.84E-09	mg/m^3	3.2E-10	mg/kg-day	9.80E+00	(mg/kg-day)-1	3.16E-09
				Copper	1.44E-08	mg/m^3	7.9E-10	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	7.85E-11	mg/m^3	4.3E-12	mg/kg-day	7.30E+00	(mg/kg-day)-1	3.17E-11
				Dibenzofuran	2.62E-07	mg/m^3	1.4E-08	mg/kg-day	--	--	--
				di-n-Butylphthalate	6.97E-11	mg/m^3	3.8E-12	mg/kg-day	--	--	--
				Fluoranthene	3.67E-09	mg/m^3	2.0E-10	mg/kg-day	--	--	--
				Fluorene	5.29E-07	mg/m^3	2.9E-08	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	1.82E-10	mg/m^3	1.0E-11	mg/kg-day	7.30E-01	(mg/kg-day)-1	7.33E-12
				Iron	9.41E-06	mg/m^3	5.2E-07	mg/kg-day	--	--	--
				Lead	2.21E-08	mg/m^3	1.2E-09	mg/kg-day	--	--	--
				Manganese	1.50E-07	mg/m^3	8.3E-09	mg/kg-day	--	--	--
				Mercury	4.77E-10	mg/m^3	2.6E-11	mg/kg-day	--	--	--
				Methylene chloride	1.00E-05	mg/m^3	5.5E-07	mg/kg-day	1.65E-03	(mg/kg-day)-1	9.12E-10
				Methyl-T-Butyl-Ether	1.53E-05	mg/m^3	8.5E-07	mg/kg-day	9.10E-04	(mg/kg-day)-1	7.70E-10
				Molybdenum	6.59E-10	mg/m^3	3.6E-11	mg/kg-day	--	--	--
				Naphthalene	1.00E-06	mg/m^3	5.5E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	6.65E-09
				Nickel	3.03E-08	mg/m^3	1.7E-09	mg/kg-day	--	--	--
				Phenanthrene	1.28E-06	mg/m^3	7.1E-08	mg/kg-day	--	--	--
				Pyrene	5.85E-07	mg/m^3	3.2E-08	mg/kg-day	--	--	--
				Selenium	2.19E-10	mg/m^3	1.2E-11	mg/kg-day	--	--	--
				Silver	1.36E-09	mg/m^3	7.5E-11	mg/kg-day	--	--	--

TABLE F-o.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (continued)	Air (continued)	Outdoor Air (continued)	Inhalation (particulates or VOCs) (continued)	Thallium	3.55E-10	mg/m^3	2.0E-11	mg/kg-day	--	--	--
				Vanadium	2.04E-08	mg/m^3	1.1E-09	mg/kg-day	--	--	--
				Xylene (Total)	3.28E-07	mg/m^3	1.8E-08	mg/kg-day	--	--	--
				Zinc	3.26E-08	mg/m^3	1.8E-09	mg/kg-day	--	--	--
			Exposure Route Total								1.91E-08
		Exposure Point Total									1.91E-08
	Exposure Medium Total										1.91E-08
Medium Total											2.02E-05
Groundwater	Groundwater	Domestic Use of Groundwater	Ingestion	1,1,1-Trichloroethane	2.23E-02	mg/L	1.22E-04	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	1.06E-02	mg/L	5.79E-05	mg/kg-day	5.70E-02	(mg/kg-day)-1	3.30E-06
				1,1-Dichlorethane	1.08E-01	mg/L	5.93E-04	mg/kg-day	5.70E-03	(mg/kg-day)-1	3.38E-06
				1,1-Dichlorethene	5.89E-01	mg/L	3.23E-03	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	6.20E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorobenzene	1.34E-02	mg/L	7.33E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorethane	1.25E-02	mg/L	6.84E-05	mg/kg-day	9.10E-02	(mg/kg-day)-1	6.22E-06
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	1.61E-03	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.00E-04	mg/L	5.48E-07	mg/kg-day	6.80E-02	(mg/kg-day)-1	3.73E-08
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	5.82E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,3-Dichlorobenzene	4.50E-03	mg/L	2.47E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,4-Dichlorobenzene	6.42E-03	mg/L	3.52E-05	mg/kg-day	2.40E-02	(mg/kg-day)-1	8.44E-07
				2-Butanone	7.10E-02	mg/L	3.89E-04	mg/kg-day	--	--	--
				2-Hexanone	2.00E-03	mg/L	1.10E-05	mg/kg-day	--	--	--
				2-Methylnaphthalene	7.00E-04	mg/L	3.84E-06	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/L	1.59E-04	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	2.00E-03	mg/L	1.10E-05	mg/kg-day	--	--	--
				Acenaphthylene	2.00E-03	mg/L	1.10E-05	mg/kg-day	--	--	--
				Acetone	1.65E+00	mg/L	9.06E-03	mg/kg-day	--	--	--
				Aluminum	9.88E-01	mg/L	5.41E-03	mg/kg-day	--	--	--
				Antimony	1.43E-02	mg/L	7.83E-05	mg/kg-day	--	--	--
				Arsenic	1.98E-02	mg/L	1.09E-04	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.63E-04
				Barium	2.70E-01	mg/L	1.48E-03	mg/kg-day	--	--	--
				Benzene	1.59E-02	mg/L	8.71E-05	mg/kg-day	5.50E-02	(mg/kg-day)-1	4.79E-06
				Benzo(a)anthracene	1.00E-04	mg/L	5.48E-07	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.00E-07
				Benzo(a)pyrene	1.00E-04	mg/L	5.48E-07	mg/kg-day	7.30E+00	(mg/kg-day)-1	4.00E-06
				Beryllium	1.41E-03	mg/L	7.74E-06	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	3.89E-05	mg/kg-day	1.40E-02	(mg/kg-day)-1	5.44E-07
				Bromodichloromethane	7.10E-03	mg/L	3.89E-05	mg/kg-day	6.20E-02	(mg/kg-day)-1	2.41E-06
				Cadmium	1.60E-02	mg/L	8.78E-05	mg/kg-day	--	--	--
				Carbon disulfide	7.53E-03	mg/L	4.12E-05	mg/kg-day	--	--	--
				Chlorobenzene	6.07E-03	mg/L	3.33E-05	mg/kg-day	--	--	--
				Chloroethane	1.23E-02	mg/L	6.77E-05	mg/kg-day	2.90E-03	(mg/kg-day)-1	1.96E-07
				Chloroform	7.44E-03	mg/L	4.08E-05	mg/kg-day	--	--	--

TABLE F-8.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Ingestion (continued)	Chloromethane	7.26E-03	mg/L	3.98E-05	mg/kg-day	--	--	--
				Chromium	1.52E-01	mg/L	8.33E-04	mg/kg-day	--	--	--
				Chromium (VI)	4.72E-01	mg/L	2.59E-03	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	5.55E-02	mg/L	3.04E-04	mg/kg-day	--	--	--
				Cobalt	1.51E-02	mg/L	8.28E-05	mg/kg-day	--	--	--
				Copper	1.24E-02	mg/L	6.79E-05	mg/kg-day	--	--	--
				Cyanide	6.60E-02	mg/L	3.62E-04	mg/kg-day	--	--	--
				Ethylbenzene	7.18E-03	mg/L	3.94E-05	mg/kg-day	--	--	--
				Fluoranthene	1.80E-03	mg/L	9.86E-06	mg/kg-day	--	--	--
				Fluorene	1.00E-03	mg/L	5.48E-06	mg/kg-day	--	--	--
				Hexachlorobutadiene	4.00E-04	mg/L	2.19E-06	mg/kg-day	7.80E-02	(mg/kg-day)-1	1.71E-07
				Iron	1.70E+01	mg/L	9.31E-02	mg/kg-day	--	--	--
				Isopropylbenzene	5.50E-03	mg/L	3.01E-05	mg/kg-day	--	--	--
				Lead	7.38E-03	mg/L	4.04E-05	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	7.25E-05	mg/kg-day	--	--	--
				Manganese	9.91E+00	mg/L	5.43E-02	mg/kg-day	--	--	--
				Mercury	4.40E-05	mg/L	2.41E-07	mg/kg-day	--	--	--
				Methylene chloride	9.90E-03	mg/L	5.43E-05	mg/kg-day	7.50E-03	(mg/kg-day)-1	4.07E-07
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	3.82E-05	mg/kg-day	1.80E-03	(mg/kg-day)-1	6.87E-08
				Molybdenum	7.50E-02	mg/L	4.11E-04	mg/kg-day	--	--	--
				Naphthalene	3.35E-02	mg/L	1.83E-04	mg/kg-day	1.20E-01	(mg/kg-day)-1	2.20E-05
				n-Butylbenzene	2.40E-03	mg/L	1.32E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Nickel	1.83E-01	mg/L	1.00E-03	mg/kg-day	--	--	--
				n-Propylbenzene	1.22E-02	mg/L	6.70E-05	mg/kg-day	--	(mg/kg-day)-1	--
				o-Xylene	6.86E-03	mg/L	3.76E-05	mg/kg-day	--	--	--
				Phenanthrene	2.00E-03	mg/L	1.10E-05	mg/kg-day	--	--	--
				Phenol	6.60E-03	mg/L	3.61E-05	mg/kg-day	--	--	--
				p-Isopropyltoluene	8.00E-04	mg/L	4.38E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Pyrene	3.00E-03	mg/L	1.64E-05	mg/kg-day	--	--	--
				sec-Butylbenzene	5.00E-04	mg/L	2.74E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Selenium	1.08E-02	mg/L	5.92E-05	mg/kg-day	--	--	--
				Silver	5.48E-03	mg/L	3.00E-05	mg/kg-day	--	--	--
				Tert-Butanol	4.21E-01	mg/L	2.31E-03	mg/kg-day	--	(mg/kg-day)-1	--
				tert-Butylbenzene	3.00E-04	mg/L	1.64E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Tetrachloroethene	5.84E-03	mg/L	3.20E-05	mg/kg-day	5.40E-01	(mg/kg-day)-1	1.73E-05
				Thallium	8.12E-03	mg/L	4.45E-05	mg/kg-day	--	--	--
				Toluene	6.35E-03	mg/L	3.48E-05	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.16E-02	mg/L	6.36E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Trichloroethene	1.00E+00	mg/L	5.48E-03	mg/kg-day	4.00E-01	(mg/kg-day)-1	2.19E-03
				Vanadium	2.85E-02	mg/L	1.56E-04	mg/kg-day	--	--	--
				Vinyl chloride	2.54E-02	mg/L	1.39E-04	mg/kg-day	7.20E-01	(mg/kg-day)-1	1.00E-04

TABLE F-o.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Ingestion (continued)	Xylene (Total)	1.75E-02	mg/L	9.58E-05	mg/kg-day	--	--	--
				Zinc	1.50E-01	mg/L	8.20E-04	mg/kg-day	--	--	--
			Exposure Route Total								2.52E-03
			Dermal (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/L	1.38E-05	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	1.06E-02	mg/L	2.46E-06	mg/kg-day	5.70E-02	(mg/kg-day)-1	1.40E-07
				1,1-Dichlorethane	1.08E-01	mg/L	3.47E-05	mg/kg-day	5.70E-03	(mg/kg-day)-1	1.98E-07
				1,1-Dichlorethene	5.89E-01	mg/L	3.39E-04	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	3.86E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorobenzene	1.34E-02	mg/L	3.19E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,2-Dichlorethane	1.25E-02	mg/L	2.41E-06	mg/kg-day	9.10E-02	(mg/kg-day)-1	2.19E-07
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	1.58E-04	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.00E-04	mg/L	3.59E-08	mg/kg-day	6.80E-02	(mg/kg-day)-1	2.44E-09
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	3.63E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,3-Dichlorobenzene	4.50E-03	mg/L	1.26E-05	mg/kg-day	--	(mg/kg-day)-1	--
				1,4-Dichlorobenzene	6.42E-03	mg/L	1.44E-05	mg/kg-day	2.40E-02	(mg/kg-day)-1	3.45E-07
				2-Butanone	7.10E-02	mg/L	2.85E-06	mg/kg-day	--	--	--
				2-Hexanone	2.00E-03	mg/L	3.22E-07	mg/kg-day	--	--	--
				2-Methylnaphthalene	7.00E-04	mg/L	3.59E-06	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/L	4.16E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Acenaphthene	2.00E-03	mg/L	9.62E-06	mg/kg-day	--	--	--
				Acenaphthylene	2.00E-03	mg/L	1.02E-05	mg/kg-day	--	--	--
				Acetone	1.65E+00	mg/L	3.40E-05	mg/kg-day	--	--	--
				Aluminum	9.88E-01	mg/L	7.64E-05	mg/kg-day	--	--	--
				Antimony	1.43E-02	mg/L	5.63E-07	mg/kg-day	--	--	--
				Arsenic	1.98E-02	mg/L	1.38E-06	mg/kg-day	1.50E+00	(mg/kg-day)-1	2.07E-06
				Barium	2.70E-01	mg/L	3.93E-06	mg/kg-day	--	--	--
				Benzene	1.59E-02	mg/L	1.19E-05	mg/kg-day	5.50E-02	(mg/kg-day)-1	6.54E-07
				Benzo(a)anthracene	1.00E-04	mg/L	3.43E-06	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.50E-06
				Benzo(a)pyrene	1.00E-04	mg/L	4.48E-06	mg/kg-day	7.30E+00	(mg/kg-day)-1	3.27E-05
				Beryllium	1.41E-03	mg/L	3.37E-08	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	5.05E-04	mg/kg-day	--	(mg/kg-day)-1	--
				Bromodichloromethane	7.10E-03	mg/L	1.29E-06	mg/kg-day	6.20E-02	(mg/kg-day)-1	7.99E-08
				Cadmium	1.60E-02	mg/L	2.03E-07	mg/kg-day	--	--	--
				Carbon disulfide	7.53E-03	mg/L	4.25E-06	mg/kg-day	--	--	--
				Chlorobenzene	6.07E-03	mg/L	8.94E-06	mg/kg-day	--	--	--
				Chloroethane	1.23E-02	mg/L	3.56E-06	mg/kg-day	2.90E-03	(mg/kg-day)-1	1.03E-08
				Chloroform	7.44E-03	mg/L	2.40E-06	mg/kg-day	--	--	--
				Chloromethane	7.26E-03	mg/L	1.09E-06	mg/kg-day	--	--	--
				Chromium	1.52E-01	mg/L	5.50E-06	mg/kg-day	--	--	--
				Chromium (VI)	4.72E-01	mg/L	1.71E-05	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	5.55E-02	mg/L	2.99E-05	mg/kg-day	--	--	--
				Cobalt	1.51E-02	mg/L	6.62E-07	mg/kg-day	--	--	--

TABLE F-8.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Dermal (bathing/ showering) (continued)	Copper	1.24E-02	mg/L	1.37E-07	mg/kg-day	--	--	--
				Cyanide	6.60E-02	mg/L	2.07E-06	mg/kg-day	--	--	--
				Ethylbenzene	7.18E-03	mg/L	1.92E-05	mg/kg-day	--	--	--
				Fluoranthene	1.80E-03	mg/L	3.34E-05	mg/kg-day	--	--	--
				Fluorene	1.00E-03	mg/L	6.18E-06	mg/kg-day	--	--	--
				Hexachlorobutadiene	4.00E-04	mg/L	1.75E-06	mg/kg-day	7.80E-02	(mg/kg-day)-1	1.37E-07
				Iron	1.70E+01	mg/L	1.52E-04	mg/kg-day	--	--	--
				Isopropylbenzene	5.50E-03	mg/L	2.78E-05	mg/kg-day	--	--	--
				Lead	7.38E-03	mg/L	9.12E-08	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	3.84E-05	mg/kg-day	--	--	--
				Manganese	9.91E+00	mg/L	4.59E-04	mg/kg-day	--	--	--
				Mercury	4.40E-05	mg/L	1.59E-09	mg/kg-day	--	--	--
				Methylene chloride	9.90E-03	mg/L	1.60E-06	mg/kg-day	7.50E-03	(mg/kg-day)-1	1.20E-08
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	6.48E-07	mg/kg-day	1.80E-03	(mg/kg-day)-1	1.17E-09
				Molybdenum	7.50E-02	mg/L	1.95E-06	mg/kg-day	--	--	--
				Naphthalene	3.35E-02	mg/L	8.40E-05	mg/kg-day	1.20E-01	(mg/kg-day)-1	1.01E-05
				n-Butylbenzene	2.40E-03	mg/L	1.22E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Nickel	1.83E-01	mg/L	2.18E-06	mg/kg-day	--	--	--
				n-Propylbenzene	1.22E-02	mg/L	6.19E-05	mg/kg-day	--	(mg/kg-day)-1	--
				o-Xylene	6.86E-03	mg/L	1.75E-05	mg/kg-day	--	--	--
				Phenanthrene	2.00E-03	mg/L	1.66E-05	mg/kg-day	--	--	--
				Phenol	6.60E-03	mg/L	1.32E-06	mg/kg-day	--	--	--
				p-Isopropyltoluene	8.00E-04	mg/L	4.05E-06	mg/kg-day	0.00E+00	(mg/kg-day)-1	0.00E+00
				Pyrene	3.00E-03	mg/L	3.52E-05	mg/kg-day	--	--	--
				sec-Butylbenzene	5.00E-04	mg/L	2.53E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Selenium	1.08E-02	mg/L	3.53E-07	mg/kg-day	--	--	--
				Silver	5.48E-03	mg/L	1.21E-07	mg/kg-day	--	--	--
				Tert-Butanol	4.21E-01	mg/L	2.89E-05	mg/kg-day	--	(mg/kg-day)-1	--
				tert-Butylbenzene	3.00E-04	mg/L	1.52E-06	mg/kg-day	--	(mg/kg-day)-1	--
				Tetrachloroethene	5.84E-03	mg/L	1.02E-05	mg/kg-day	5.40E-01	(mg/kg-day)-1	5.49E-06
				Thallium	8.12E-03	mg/L	2.94E-07	mg/kg-day	--	--	--
				Toluene	6.35E-03	mg/L	1.04E-05	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.16E-02	mg/L	2.02E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Trichloroethene	1.00E+00	mg/L	5.68E-04	mg/kg-day	4.00E-01	(mg/kg-day)-1	2.27E-04
				Vanadium	2.85E-02	mg/L	1.39E-06	mg/kg-day	--	--	--
				Vinyl chloride	2.54E-02	mg/L	1.04E-05	mg/kg-day	7.20E-01	(mg/kg-day)-1	7.47E-06
				Xylene (Total)	1.75E-02	mg/L	5.07E-05	mg/kg-day	--	--	--
				Zinc	1.50E-01	mg/L	1.85E-06	mg/kg-day	--	--	--
			Exposure Route Total								**2.89E-04**
		Exposure Point Total									**2.81E-03**
	Exposure Medium Total										**2.81E-03**

TABLE F-o.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Domestic Use of Groundwater Indoors (continued)	Inhalation (bathing/ showering) (continued)	1,1,1-Trichloroethane	2.23E-02	mg/L	2.57E-05	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	1.06E-02	mg/L	1.22E-05	mg/kg-day	5.60E-02	(mg/kg-day)-1	6.81E-07
				1,1-Dichlorethane	1.08E-01	mg/L	1.24E-04	mg/kg-day	5.70E-03	(mg/kg-day)-1	7.10E-07
				1,1-Dichlorethene	5.89E-01	mg/L	6.78E-04	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	1.30E-05	mg/kg-day	--	--	--
				1,2-Dichlorobenzene	1.34E-02	mg/L	1.54E-05	mg/kg-day	--	--	--
				1,2-Dichlorethane	1.25E-02	mg/L	1.44E-05	mg/kg-day	9.10E-02	(mg/kg-day)-1	1.31E-06
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	3.38E-04	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.00E-04	mg/L	1.15E-07	mg/kg-day	6.80E-02	(mg/kg-day)-1	7.82E-09
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	1.22E-05	mg/kg-day	--	--	--
				1,3-Dichlorobenzene	4.50E-03	mg/L	5.18E-06	mg/kg-day	--	--	--
				1,4-Dichlorobenzene	6.42E-03	mg/L	7.39E-06	mg/kg-day	2.20E-02	(mg/kg-day)-1	1.62E-07
				2-Butanone	7.10E-02	mg/L	8.17E-05	mg/kg-day	--	--	--
				2-Hexanone	2.00E-03	mg/L	2.30E-06	mg/kg-day	--	--	--
				2-MethylNaphthalene	7.00E-04	mg/L	8.05E-07	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/L	3.34E-05	mg/kg-day	--	--	--
				Acenaphthene	2.00E-03	mg/L	2.30E-06	mg/kg-day	--	--	--
				Acenaphthylene	2.00E-03	mg/L	2.30E-06	mg/kg-day	--	--	--
				Acetone	1.65E-00	mg/L	1.90E-03	mg/kg-day	--	--	--
				Benzene	1.59E-02	mg/L	1.83E-05	mg/kg-day	2.70E-02	(mg/kg-day)-1	4.94E-07
				Bromodichloromethane	7.10E-03	mg/L	8.17E-06	mg/kg-day	6.20E-02	(mg/kg-day)-1	5.07E-07
				Carbon disulfide	7.53E-03	mg/L	8.66E-06	mg/kg-day	--	--	--
				Chlorobenzene	6.07E-03	mg/L	6.99E-06	mg/kg-day	--	--	--
				Chloroethane	1.23E-02	mg/L	1.42E-05	mg/kg-day	2.90E-03	(mg/kg-day)-1	4.12E-08
				Chloroform	7.44E-03	mg/L	8.56E-06	mg/kg-day	8.05E-02	(mg/kg-day)-1	6.89E-07
				Chloromethane	7.26E-03	mg/L	8.35E-06	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	5.55E-02	mg/L	6.39E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Cyanide	6.60E-02	mg/L	7.59E-05	mg/kg-day	--	--	--
				Ethylbenzene	7.18E-03	mg/L	8.27E-06	mg/kg-day	--	--	--
				Fluorene	1.00E-03	mg/L	1.15E-06	mg/kg-day	--	--	--
				Hexachlorobutadiene	4.00E-04	mg/L	4.60E-07	mg/kg-day	7.80E-02	(mg/kg-day)-1	3.59E-08
				Isopropylbenzene	5.50E-03	mg/L	6.33E-06	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	1.52E-05	mg/kg-day	--	--	--
				Methylene Chloride	9.90E-03	mg/L	1.14E-05	mg/kg-day	1.65E-03	(mg/kg-day)-1	1.87E-08
				Methyl-T-Butyl-ether	6.97E-03	mg/L	8.02E-06	mg/kg-day	9.10E-04	(mg/kg-day)-1	7.30E-09
				Naphthalene	3.35E-02	mg/L	3.85E-05	mg/kg-day	1.20E-01	(mg/kg-day)-1	4.62E-06
				n-Butylbenzene	2.40E-03	mg/L	2.76E-06	mg/kg-day	--	--	--
				n-propylbenzene	1.22E-02	mg/L	1.41E-05	mg/kg-day	--	--	--
				o-Xylene	6.86E-03	mg/L	7.89E-06	mg/kg-day	--	--	--
				Phenanthrene	2.00E-03	mg/L	2.30E-06	mg/kg-day	--	--	--
				Pyrene	3.00E-03	mg/L	3.45E-06	mg/kg-day	--	--	--
				sec-Butylbenzene	5.00E-04	mg/L	5.75E-07	mg/kg-day	--	--	--

TABLE F-8.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Domestic Use of Groundwater Indoors (continued)	Inhalation (bathing/ showering) (continued)	tert-Butylbenzene	3.00E-04	mg/L	3.45E-07	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.16E-02	mg/L	1.34E-05	mg/kg-day	--	--	--
				Tetrachloroethene	5.84E-03	mg/L	6.73E-06	mg/kg-day	2.10E-02	(mg/kg-day)-1	1.41E-07
				Toluene	6.35E-03	mg/L	7.31E-06	mg/kg-day	--	--	--
				Trichloroethene	1.00E+00	mg/L	1.15E-03	mg/kg-day	4.00E-01	(mg/kg-day)-1	4.60E-04
				Vinyl chloride	2.54E-02	mg/L	2.92E-05	mg/kg-day	3.10E-02	(mg/kg-day)-1	9.05E-07
				Xylene (Total)	1.75E-02	mg/L	2.01E-05	mg/kg-day	--	--	--
			Exposure Route Total								**4.71E-04**
		Exposure Point Total									**4.71E-04**
		Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-03	mg/m^3	1.11E-04	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	4.59E-05	mg/m^3	2.53E-06	mg/kg-day	5.60E-02	(mg/kg-day)-1	1.42E-07
				1,1-Dichlorethane	3.16E-03	mg/m^3	1.75E-04	mg/kg-day	5.70E-03	(mg/kg-day)-1	9.95E-07
				1,1-Dichlorethene	9.92E-02	mg/m^3	5.48E-03	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	2.33E-04	mg/m^3	1.29E-05	mg/kg-day	--	--	--
				1,2-Dichlorobenzene	9.49E-05	mg/m^3	5.24E-06	mg/kg-day	--	--	--
				1,2-Dichlorethane	7.70E-05	mg/m^3	4.25E-06	mg/kg-day	9.10E-02	(mg/kg-day)-1	3.87E-07
				1,2-Dichlorethene (Total)	6.08E-03	mg/m^3	3.36E-04	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.41E-06	mg/m^3	7.77E-08	mg/kg-day	6.80E-02	(mg/kg-day)-1	5.28E-09
				1,3,5-Trimethylbenzene	2.08E-04	mg/m^3	1.15E-05	mg/kg-day	--	--	--
				1,3-Dichlorobenzene	5.39E-05	mg/m^3	2.98E-06	mg/kg-day	--	--	--
				1,4-Dichlorobenzene	5.92E-05	mg/m^3	3.27E-06	mg/kg-day	2.20E-02	(mg/kg-day)-1	7.19E-08
				2-Butanone	2.35E-05	mg/m^3	1.30E-06	mg/kg-day	--	--	--
				2-Hexanone	1.31E-06	mg/m^3	7.25E-08	mg/kg-day	--	--	--
				2-MethylNaphthalene	8.28E-07	mg/m^3	4.57E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-05	mg/m^3	1.05E-06	mg/kg-day	--	--	--
				Acenaphthene	6.52E-07	mg/m^3	3.60E-08	mg/kg-day	--	--	--
				Acenaphthylene	6.52E-07	mg/m^3	3.60E-08	mg/kg-day	--	--	--
				Acetone	5.45E-04	mg/m^3	3.01E-05	mg/kg-day	--	--	--
				Benzene	5.01E-04	mg/m^3	2.77E-05	mg/kg-day	2.70E-02	(mg/kg-day)-1	7.47E-07
				Bromodichloromethane	2.55E-05	mg/m^3	1.41E-06	mg/kg-day	6.20E-02	(mg/kg-day)-1	8.74E-08
				Carbon disulfide	1.61E-03	mg/m^3	8.88E-05	mg/kg-day	--	--	--
				Chlorobenzene	9.89E-05	mg/m^3	5.46E-06	mg/kg-day	--	--	--
				Chloroethane	1.47E-03	mg/m^3	8.11E-05	mg/kg-day	2.90E-03	(mg/kg-day)-1	2.35E-07
				Chloroform	1.82E-04	mg/m^3	1.01E-05	mg/kg-day	8.05E-02	(mg/kg-day)-1	8.10E-07
				Chloromethane	5.88E-04	mg/m^3	3.25E-05	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	1.15E-03	mg/m^3	6.35E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Cyanide	9.60E-05	mg/m^3	5.30E-06	mg/kg-day	--	--	--
				Ethylbenzene	2.48E-04	mg/m^3	1.37E-05	mg/kg-day	--	--	--
				Fluorene	1.34E-07	mg/m^3	7.40E-09	mg/kg-day	--	--	--
				Hexachlorobutadiene	9.57E-06	mg/m^3	5.29E-07	mg/kg-day	7.80E-02	(mg/kg-day)-1	4.12E-08
				Isopropylbenzene	2.12E-02	mg/m^3	1.17E-03	mg/kg-day	--	--	--
				m,p-Xylene	4.52E-04	mg/m^3	2.49E-05	mg/kg-day	--	--	--

TABLE F-6.3.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL CANCER RISKS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (continued)	Air (continued)	Indoor Air (continued)	Inhalation (Vapor Intrusion) (continued)	Methylene Chloride	1.47E-04	mg/m^3	8.11E-06	mg/kg-day	1.65E-03	(mg/kg-day)-1	1.33E-08
				Methyl-T-Butyl-ether	2.95E-05	mg/m^3	1.63E-06	mg/kg-day	9.10E-04	(mg/kg-day)-1	1.49E-09
				Naphthalene	5.03E-05	mg/m^3	2.78E-06	mg/kg-day	1.20E-01	(mg/kg-day)-1	3.33E-07
				n-Butylbenzene	9.94E-05	mg/m^3	5.49E-06	mg/kg-day	--	--	--
				n-propylbenzene	4.44E-04	mg/m^3	2.45E-05	mg/kg-day	--	--	--
				o-Xylene	1.73E-04	mg/m^3	9.54E-06	mg/kg-day	--	--	--
				Phenanthrene	1.75E-07	mg/m^3	9.69E-09	mg/kg-day	--	--	--
				Pyrene	6.77E-08	mg/m^3	3.74E-09	mg/kg-day	--	--	--
				sec-Butylbenzene	5.50E-08	mg/m^3	3.04E-09	mg/kg-day	--	--	--
				tert-Butylbenzene	1.30E-05	mg/m^3	7.17E-07	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	9.43E-04	mg/m^3	5.21E-05	mg/kg-day	--	--	--
				Tetrachloroethene	4.75E-04	mg/m^3	2.62E-05	mg/kg-day	2.10E-02	(mg/kg-day)-1	5.51E-07
				Toluene	2.22E-04	mg/m^3	1.22E-05	mg/kg-day	--	--	--
				Trichloroethene	5.23E-02	mg/m^3	2.89E-03	mg/kg-day	4.00E-01	(mg/kg-day)-1	1.16E-03
				Vinyl chloride	5.47E-03	mg/m^3	3.02E-04	mg/kg-day	3.10E-02	(mg/kg-day)-1	9.37E-06
				Xylene (Total)	5.96E-04	mg/m^3	3.29E-05	mg/kg-day	--	--	--
			Exposure Route Total								**1.17E-03**
		Exposure Point Total									**1.17E-03**
	Exposure Medium Total										**1.64E-03**
Medium Total											**4.45E-03**
										Total of Receptor Hazards Across All Media	**4.47E-03**

Notes:

--	Not applicable or not available
CSF	Cancer slope factor
EPA	U.S. Environmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligram per kilogram
mg/kg-day	Milligram per kilogram per day
(mg/kg-day)-1	1/(Milligram per kilogram per day)
mg/L	Milligram per liter
mg/m^3	Milligram per cubic meter
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile Organic Compound

See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-9.3.1.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS
CURRENT INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-2 ft bgs)	Soil	Site Soil	2-Methylnaphthalene	--	--	--	--	--	Lungs	6.54E-06	4.32E-07	--	--	6.97E-06
			4-Methyl-2-pentanone	--	--	--	--	--	Whole Body	5.50E-04	3.63E-05	--	--	5.87E-04
			Acenaphthene	--	--	--	--	--	Liver	1.17E-06	1.01E-06	--	--	2.18E-06
			Acenaphthylene	--	--	--	--	--	Liver	3.82E-07	2.52E-08	--	--	4.08E-07
			Aluminum	--	--	--	--	--	CNS	9.29E-03	6.13E-05	--	--	9.35E-03
			Anthracene	--	--	--	--	--	No observed effect	6.10E-07	5.24E-07	--	--	1.13E-06
			Antimony	--	--	--	--	--	Whole body, Blood, Immune System	4.87E-03	3.22E-05	--	--	4.91E-03
			Aroclor-1254	2.10E-08	1.94E-08	--	--	4.03E-08	Eye/Finger and Toe nails	1.47E-03	1.36E-03	--	--	2.82E-03
			Aroclor-1260	1.61E-07	1.49E-07	--	--	3.09E-07	Eye/Finger and Toe nails	1.13E-02	1.04E-02	--	--	2.16E-02
			Arsenic	1.24E-06	2.46E-07	--	--	1.49E-06	Skin	7.74E-03	1.53E-03	--	--	9.27E-03
			Barium	--	--	--	--	--	Kidney	6.25E-04	5.90E-05	--	--	6.84E-04
			Benzo(a)anthracene	1.76E-07	1.51E-07	--	--	3.27E-07	--	--	--	--	--	--
			Benzo(a)pyrene	3.61E-06	3.10E-06	--	--	6.71E-06	--	--	--	--	--	--
			Benzo(b)fluoranthene	1.29E-07	1.10E-07	--	--	2.39E-07	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	5.91E-06	5.07E-06	--	--	1.10E-05
			Benzo(k)fluoranthene	6.38E-09	5.47E-09	--	--	1.19E-08	--	--	--	--	--	--
			Beryllium	--	--	--	--	--	GI Tract	4.97E-04	4.69E-04	--	--	9.66E-04
			Cadmium	--	--	--	--	--	Kidney	8.45E-03	5.58E-05	--	--	8.51E-03
			Chromium	--	--	--	--	--	No observed effect	2.68E-05	1.77E-07	--	--	2.70E-05
			Chrysene	1.89E-09	1.62E-09	--	--	3.52E-09	--	--	--	--	--	--
			Cobalt	--	--	--	--	--	Blood	5.75E-04	3.79E-06	--	--	5.79E-04
			Copper	--	--	--	--	--	Gi Tract/Kidney	8.24E-04	5.44E-06	--	--	8.30E-04
			Dibenzo(a,h)anthracene	2.08E-07	1.79E-07	--	--	3.87E-07	--	--	--	--	--	--
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	3.10E-05	2.66E-05	--	--	5.76E-05
			Fluorene	--	--	--	--	--	Blood	1.80E-06	1.55E-06	--	--	3.35E-06
			Indeno(1,2,3-cd)pyrene	6.97E-08	5.98E-08	--	--	1.29E-07	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	5.01E-02	3.31E-04	--	--	5.05E-02
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	1.11E-02	7.32E-05	--	--	1.12E-02
			Mercury	--	--	--	--	--	Immune System	9.69E-04	--	--	--	9.69E-04
			Naphthalene	1.38E-09	1.18E-09	--	--	2.56E-09	Whole Body	1.61E-06	1.38E-06	--	--	2.99E-06
			Nickel	--	--	--	--	--	Whole Body	1.46E-03	2.40E-04	--	--	1.70E-03
			Phenanthrene	--	--	--	--	--	No observed effect	2.47E-06	1.63E-07	--	--	2.64E-06
			Pyrene	--	--	--	--	--	Kidney	3.93E-05	3.37E-05	--	--	7.31E-05
			Selenium	--	--	--	--	--	Whole Body	5.48E-05	1.21E-06	--	--	5.60E-05
			Silver	--	--	--	--	--	SKin	1.14E-04	1.88E-05	--	--	1.33E-04
			Thallium	--	--	--	--	--	Liver, Blood	1.11E-02	--	--	--	1.11E-02
			Vanadium	--	--	--	--	--	Kidney	4.84E-03	1.23E-03	--	--	6.07E-03
			Zinc	--	--	--	--	--	Blood	1.91E-04	1.26E-06	--	--	1.93E-04
			Chemical Total	5.63E-06	4.02E-06	0.00E+00	0.00E+00	9.65E-06		1.26E-01	1.60E-02	0.00E+00	0.00E+00	1.42E-01
		Exposure Point Total						9.65E-06						1.42E-01
	Medium Total							9.65E-06						1.42E-01
	Air	Outdoor Air (Particulates and VOCs)	2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	4.10E-04	--	4.10E-04
			Acenaphthene	--	--	--	--	--	Liver	--	--	1.30E-06	--	1.30E-06

TABLE F-5.3.1.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
CURRENT INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-2 ft bgs) (continued)	Air (continued)	Outdoor Air (Particulates and VOCs) (continued)	Acenaphthylene	--	--	--	--	--	Liver	--	--	4.25E-07	--	4.25E-07
			Aluminum	--	--	--	--	--	Respiratory system	--	--	9.84E-04	--	9.84E-04
			Anthracene	--	--	--	--	--	No observed effect	--	--	1.74E-07	--	1.74E-07
			Antimony	--	--	--	--	--	--	--	--	--	--	--
			Aroclor-1254	--	--	3.18E-12	--	3.18E-12	Immune System/ Eye/Finger and Toe nails	--	--	2.22E-07	--	2.22E-07
			Aroclor-1260	--	--	2.44E-11	--	2.44E-11	Immune System/ Eye/Finger and Toe nails	--	--	1.70E-06	--	1.70E-06
			Arsenic	--	--	1.88E-09	--	1.88E-09	--	--	--	--	--	--
			Barium	--	--	--	--	--	Developmental	--	--	4.74E-05	--	4.74E-05
			Benzo(a)anthracene	--	--	2.67E-11	--	2.67E-11	--	--	--	--	--	--
			Benzo(a)pyrene	--	--	5.47E-10	--	5.47E-10	--	--	--	--	--	--
			Benzo(b)fluoranthene	--	--	1.95E-11	--	1.95E-11	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	--	--	8.95E-10	--	8.95E-10
			Benzo(k)fluoranthene	--	--	9.67E-13	--	9.67E-13	--	--	--	--	--	--
			Beryllium	--	--	4.52E-10	--	4.52E-10	Immune System/Lung	--	--	2.64E-05	--	2.64E-05
			Cadmium	--	--	1.44E-09	--	1.44E-09	--	--	--	--	--	--
			Chromium	--	--	--	--	--	--	--	--	--	--	--
			Chrysene	--	--	2.87E-13	--	2.87E-13	--	--	--	--	--	--
			Cobalt	--	--	6.10E-09	--	6.10E-09	Respiratory system	--	--	3.05E-04	--	3.05E-04
			Copper	--	--	--	--	--	--	--	--	--	--	--
			Dibenzo(a,h)anthracene	--	--	3.16E-11	--	3.16E-11	--	--	--	--	--	--
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	--	--	4.70E-09	--	4.70E-09
			Fluorene	--	--	--	--	--	Blood	--	--	1.00E-06	--	1.00E-06
			Indeno(1,2,3-cd)pyrene	--	--	1.06E-11	--	1.06E-11	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	--	--	--	--	--
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	--	--	2.82E-03	--	2.82E-03
			Mercury	--	--	--	--	--	--	--	--	--	--	--
			Naphthalene	--	--	6.42E-09	--	6.42E-09	Nasal Epithelium	--	--	1.75E-04	--	1.75E-04
			Nickel	--	--	--	--	--	Respiratory system	--	--	7.72E-05	--	7.72E-05
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	3.31E-07	--	3.31E-07
			Pyrene	--	--	--	--	--	Kidney	--	--	2.07E-06	--	2.07E-06
			Selenium	--	--	--	--	--	--	--	--	--	--	--
			Silver	--	--	--	--	--	--	--	--	--	--	--
			Thallium	--	--	--	--	--	--	--	--	--	--	--
			Vanadium	--	--	--	--	--	--	--	--	--	--	--
			Zinc	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	1.70E-08	0.00E+00	1.70E-08		0.00E+00	0.00E+00	4.85E-03	0.00E+00	4.85E-03
		Exposure Point Total						1.70E-08						4.85E-03
	Exposure Medium Total							1.70E-08						4.85E-03
Medium Total								9.67E-06						1.47E-01
Groundwater	Groundwater Vapor Intrusion Indoor Air	Indoor Air (inhalation)	1,1,1-Trichloroethane	--	--	--	--	--	Liver, Brain	--	--	6.26E-05	--	6.26E-05
			1,1,2-Trichloroethane	--	--	1.79E-07	--	1.79E-07	Blood	--	--	2.24E-04	--	2.24E-04
			1,1-Dichlorethane	--	--	1.26E-06	--	1.26E-06	Kidney	--	--	4.42E-04	--	4.42E-04
			1,1-Dichlorethene	--	--	--	--	--	Liver	--	--	3.40E-02	--	3.40E-02

TABLE F-9.3.1.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
CURRENT INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater Vapor Intrusion (Indoor Air) (continued)	Indoor Air (inhalation) (continued)	1,2,4-Trimethylbenzene	--	--	--	--	--	CNS	--	--	2.69E-03	--	2.69E-03
			1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	3.26E-05	--	3.26E-05
			1,2-Dichlorethane	--	--	4.90E-07	--	4.90E-07	Liver	--	--	2.20E-06	--	2.20E-06
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	--	--	1.19E-02	--	1.19E-02
			1,2-Dichloropropane	--	--	6.68E-09	--	6.68E-09	--	--	--	2.50E-05	--	2.50E-05
			1,3,5-Trimethylbenzene	--	--	--	--	--	CNS	--	--	2.40E-03	--	2.40E-03
			1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	3.51E-05	--	3.51E-05
			1,4-Dichlorobenzene	--	--	9.10E-08	--	9.10E-08	Liver	--	--	5.07E-06	--	5.07E-06
			2-Butanone	--	--	--	--	--	Developmental	--	--	3.22E-07	--	3.22E-07
			2-Hexanone	--	--	--	--	--	CNS	--	--	2.99E-08	--	2.99E-08
			2-MethylNaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	4.33E-07	--	4.33E-07
			Acenaphthene	--	--	--	--	--	Liver	--	--	2.13E-07	--	2.13E-07
			Acenaphthylene	--	--	--	--	--	Liver	--	--	2.13E-07	--	2.13E-07
			Acetone	--	--	--	--	--	Kidney	--	--	1.18E-05	--	1.18E-05
			Benzene	--	--	9.45E-07	--	9.45E-07	Blood	--	--	1.14E-03	--	1.14E-03
			Bromodichloromethane	--	--	1.11E-07	--	1.11E-07	Kidney	--	--	2.50E-05	--	2.50E-05
			Carbon disulfide	--	--	--	--	--	CNS	--	--	1.57E-04	--	1.57E-04
			Chlorobenzene	--	--	--	--	--	Liver	--	--	1.13E-04	--	1.13E-04
			Chloroethane	--	--	2.98E-07	--	2.98E-07	Fetus	--	--	9.91E-06	--	9.91E-06
			Chloroform	--	--	1.03E-06	--	1.03E-06	--	--	--	2.55E-02	--	2.55E-02
			Chloromethane	--	--	--	--	--	CNS	--	--	4.47E-04	--	4.47E-04
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	2.25E-03	--	2.25E-03
			Cyanide	--	--	--	--	--	--	--	--	--	--	--
			Ethylbenzene	--	--	--	--	--	Developmental	--	--	1.70E-05	--	1.70E-05
			Fluorene	--	--	--	--	--	Blood	--	--	6.56E-08	--	6.56E-08
			Hexachlorobutadiene	--	--	5.22E-08	--	5.22E-08	Kidney	--	--	6.24E-04	--	6.24E-04
			Isopropylbenzene	--	--	--	--	--	Kidney	--	--	3.78E-03	--	3.78E-03
			m,p-Xylene	--	--	--	--	--	CNS	--	--	3.09E-04	--	3.09E-04
			Methylene Chloride	--	--	1.69E-08	--	1.69E-08	Liver	--	--	3.35E-06	--	3.35E-06
			Methyl-T-Butyl-ether	--	--	1.88E-09	--	1.88E-09	Liver/Kidney/ Periocular Tissue	--	--	6.75E-07	--	6.75E-07
			Naphthalene	--	--	4.22E-07	--	4.22E-07	Nasal Epithelium	--	--	1.15E-03	--	1.15E-03
			n-Butylbenzene	--	--	--	--	--	--	--	--	1.70E-04	--	1.70E-04
			n-propylbenzene	--	--	--	--	--	--	--	--	2.17E-04	--	2.17E-04
			o-Xylene	--	--	--	--	--	CNS	--	--	1.18E-04	--	1.18E-04
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	1.14E-08	--	1.14E-08
			Pyrene	--	--	--	--	--	Kidney	--	--	4.42E-08	--	4.42E-08
			sec-Butylbenzene	--	--	--	--	--	--	--	--	9.42E-08	--	9.42E-08
			tert-Butylbenzene	--	--	--	--	--	--	--	--	2.22E-05	--	2.22E-05
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	9.23E-04	--	9.23E-04
			Tetrachloroethene	--	--	6.97E-07	--	6.97E-07	CNS	--	--	5.42E-05	--	5.42E-05
			Toluene	--	--	--	--	--	CNS	--	--	3.80E-05	--	3.80E-05

TABLE F-3.1.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
CURRENT INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater Vapor Intrusion (Indoor Air) (continued)	Indoor Air (inhalation) (continued)	Trichloroethene	--	--	1.46E-03	--	1.46E-03	CNS/Liver/Endocrine System	--	--	1.02E-01	--	1.02E-01
			Vinyl chloride	--	--	6.12E-06	--	6.12E-06	Liver	--	--	3.75E-03	--	3.75E-03
			Xylene (Total)	--	--	--	--	--	CNS	--	--	4.09E-04	--	4.09E-04
			Chemical Total	0.00E+00	0.00E+00	1.47E-03	0.00E+00	1.47E-03		0.00E+00	0.00E+00	1.95E-01	0.00E+00	1.95E-01
		Exposure Point Total						1.47E-03						1.95E-01
	Exposure Medium Total							1.47E-03						1.95E-01
Medium Total								1.47E-03						1.95E-01
Receptor Total							Receptor Risk Total	1.48E-03				Receptor HI Total		3.42E-01

Notes:

--	Not applicable or not available
COPC	Chemicals of Potential Concern
CNS	Central nervous system
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
GI	Gastrointestinal
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile organic compound

Total Organ 1 (Liver) HI Across All Media =	1.51E-01
Total Organ 2 (Kidney) HI Across All Media =	2.11E-02
Total Organ 3 (Fetus) HI Across All Media =	9.91E-06
Total Organ 4 (Nervous System) HI Across All Media =	1.32E-01
Total Organ 5 (Endocrine system) HI Across All Media =	1.02E-01
Total Organ 6 (Blood) HI Across All Media =	3.32E-02
Total Organ 7 (Skin) HI Across All Media =	9.40E-03
Total Organ 8 (No Observed Effect) HI Across All Media =	3.13E-05
Total Organ 9 (Unknown Systems) HI Across All Media =	7.69E-02
Total Organ 10 (Gastrointestinal System) HI Across All Media =	1.80E-03
Total Organ 11 (Vision/Eye) HI Across All Media =	2.45E-02
Total Organ 12 (Body Weight) HI Across All Media =	NA
Total Organ 13 (Developmental) HI Across All Media =	6.47E-05
Total Organ 13 (Respiratory/lung) HI Across All Media =	1.37E-03
Total Organ 13 (whole body) HI Across All Media =	7.25E-03
Total Organ 13 (Immune System) HI Across All Media =	5.90E-03
Total Organ 13 (Reproductive System) HI Across All Media =	NA
Total Organ 13 (Finger and Toe Nail) HI Across All Media =	2.45E-02
Total Organ 13 (Nasal Tissue) HI Across All Media =	1.32E-03
Total Organ 13 (Fetus) HI Across All Media =	9.91E-06

TABLE F-9.3.2.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-2 ft bgs)	Soil	Site Soil	2-Methylnaphthalene	--	--	--	--	--	Lungs	2.16E-05	6.47E-07	--	--	2.22E-05
			4-Methyl-2-pentanone	--	--	--	--	--	Whole Body	1.82E-03	5.45E-05	--	--	1.87E-03
			Acenaphthene	--	--	--	--	--	Liver	3.87E-06	1.51E-06	--	--	5.37E-06
			Acenaphthylene	--	--	--	--	--	Liver	1.26E-06	3.79E-08	--	--	1.30E-06
			Aluminum	--	--	--	--	--	CNS	3.07E-02	9.20E-05	--	--	3.07E-02
			Anthracene	--	--	--	--	--	No observed effect	2.01E-06	7.86E-07	--	--	2.80E-06
			Antimony	--	--	--	--	--	Whole body, Blood, Immune System	1.61E-02	4.82E-05	--	--	1.61E-02
			Aroclor-1254	2.77E-09	1.16E-09	--	--	3.93E-09	Eye/Finger and Toe nails	4.84E-03	2.03E-03	--	--	6.88E-03
			Aroclor-1260	2.12E-08	8.91E-09	--	--	3.01E-08	Eye/Finger and Toe nails	3.71E-02	1.56E-02	--	--	5.27E-02
			Arsenic	1.64E-07	1.48E-08	--	--	1.79E-07	Skin	2.55E-02	2.30E-03	--	--	2.78E-02
			Barium	--	--	--	--	--	Kidney	2.06E-03	8.85E-05	--	--	2.15E-03
			Benzo(a)anthracene	2.33E-08	9.07E-09	--	--	3.23E-08	--	--	--	--	--	--
			Benzo(a)pyrene	4.77E-07	1.86E-07	--	--	6.63E-07	--	--	--	--	--	--
			Benzo(b)fluoranthene	1.70E-08	6.62E-09	--	--	2.36E-08	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	1.95E-05	7.61E-06	--	--	2.71E-05
			Benzo(k)fluoranthene	8.42E-10	3.28E-10	--	--	1.17E-09	--	--	--	--	--	--
			Beryllium	--	--	--	--	--	GI Tract	1.64E-03	7.03E-04	--	--	2.34E-03
			Cadmium	--	--	--	--	--	Kidney	2.79E-02	8.37E-05	--	--	2.80E-02
			Chromium	--	--	--	--	--	No observed effect	8.85E-05	2.65E-07	--	--	8.87E-05
			Chrysene	2.50E-10	9.74E-11	--	--	3.47E-10	--	--	--	--	--	--
			Cobalt	--	--	--	--	--	Blood	1.90E-03	5.69E-06	--	--	1.90E-03
			Copper	--	--	--	--	--	Gi Tract/Kidney	2.72E-03	8.16E-06	--	--	2.73E-03
			Dibenzo(a,h)anthracene	2.75E-08	1.07E-08	--	--	3.83E-08	--	--	--	--	--	--
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	1.02E-04	3.99E-05	--	--	1.42E-04
			Fluorene	--	--	--	--	--	Blood	5.96E-06	2.32E-06	--	--	8.28E-06
			Indeno(1,2,3-cd)pyrene	9.20E-09	3.59E-09	--	--	1.28E-08	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	1.65E-01	4.96E-04	--	--	1.66E-01
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	3.66E-02	1.10E-04	--	--	3.67E-02
			Mercury	--	--	--	--	--	Immune System	3.20E-03	--	--	--	3.20E-03
			Naphthalene	1.82E-10	7.10E-11	--	--	2.53E-10	Whole Body	5.31E-06	2.07E-06	--	--	7.38E-06
			Nickel	--	--	--	--	--	Whole Body	4.81E-03	3.60E-04	--	--	5.17E-03
			Phenanthrene	--	--	--	--	--	No observed effect	8.16E-06	2.45E-07	--	--	8.40E-06
			Pyrene	--	--	--	--	--	Kidney	1.30E-04	5.06E-05	--	--	1.80E-04
			Selenium	--	--	--	--	--	Whole Body	1.81E-04	1.81E-06	--	--	1.83E-04
			Silver	--	--	--	--	--	SKin	3.76E-04	2.82E-05	--	--	4.04E-04
			Thallium	--	--	--	--	--	Liver, Blood	3.65E-02	--	--	--	3.65E-02
			Vanadium	--	--	--	--	--	Kidney	1.60E-02	1.84E-03	--	--	1.78E-02
			Zinc	--	--	--	--	--	Blood	6.31E-04	1.89E-06	--	--	6.33E-04
			Chemical Total	7.43E-07	2.41E-07	0.00E+00	0.00E+00	9.84E-07		4.16E-01	2.40E-02	0.00E+00	0.00E+00	4.40E-01
		Exposure Point Total						9.84E-07						4.40E-01
	Exposure Medium Total							9.84E-07						4.40E-01
	Air	Outdoor Air (Particulates and VOCs)	2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	4.10E-04	--	4.10E-04
			Acenaphthene	--	--	--	--	--	Liver	--	--	1.30E-06	--	1.30E-06
			Acenaphthylene	--	--	--	--	--	Liver	--	--	4.25E-07	--	4.25E-07
			Aluminum	--	--	--	--	--	Respiratory system	--	--	9.84E-04	--	9.84E-04
			Anthracene	--	--	--	--	--	No observed effect	--	--	1.74E-07	--	1.74E-07
			Antimony	--	--	--	--	--	--	--	--	--	--	--
			Aroclor-1254	--	--	1.27E-13	--	1.27E-13	Immune System/ Eye/Finger and Toe nails	--	--	2.22E-07	--	2.22E-07
			Aroclor-1260	--	--	9.74E-13	--	9.74E-13	Immune System/ Eye/Finger and Toe nails	--	--	1.70E-06	--	1.70E-06
			Arsenic	--	--	7.54E-11	--	7.54E-11	--	--	--	--	--	--
			Barium	--	--	--	--	--	Developmental	--	--	4.74E-05	--	4.74E-05

TABLE F-5.3.2.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-2 ft bgs) (continued)	Air (continued)	Outdoor Air (Particulates and VOCs) (continued)	Benzo(a)anthracene	--	--	1.07E-12	--	1.07E-12	--	--	--	--	--	--
			Benzo(a)pyrene	--	--	2.19E-11	--	2.19E-11	--	--	--	--	--	--
			Benzo(b)fluoranthene	--	--	7.79E-13	--	7.79E-13	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	--	--	8.95E-10	--	8.95E-10
			Benzo(k)fluoranthene	--	--	3.87E-14	--	3.87E-14	--	--	--	--	--	--
			Beryllium	--	--	1.81E-11	--	1.81E-11	Immune System/Lung	--	--	2.64E-05	--	2.64E-05
			Cadmium	--	--	5.76E-11	--	5.76E-11	--	--	--	--	--	--
			Chromium	--	--	--	--	--	--	--	--	--	--	--
			Chrysene	--	--	1.15E-14	--	1.15E-14	--	--	--	--	--	--
			Cobalt	--	--	2.44E-10	--	2.44E-10	Respiratory system	--	--	3.05E-04	--	3.05E-04
			Copper	--	--	--	--	--	--	--	--	--	--	--
			Dibenzo(a,h)anthracene	--	--	1.26E-12	--	1.26E-12	--	--	--	--	--	--
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	--	--	4.70E-09	--	4.70E-09
			Fluorene	--	--	--	--	--	Blood	--	--	1.00E-06	--	1.00E-06
			Indeno(1,2,3-cd)pyrene	--	--	4.22E-13	--	4.22E-13	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	--	--	--	--	--
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	--	--	2.82E-03	--	2.82E-03
			Mercury	--	--	--	--	--	--	--	--	--	--	--
			Naphthalene	--	--	2.57E-10	--	2.57E-10	Nasal Epithelium	--	--	1.75E-04	--	1.75E-04
			Nickel	--	--	--	--	--	Respiratory system	--	--	7.72E-05	--	7.72E-05
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	3.31E-07	--	3.31E-07
			Pyrene	--	--	--	--	--	Kidney	--	--	2.07E-06	--	2.07E-06
			Selenium	--	--	--	--	--	--	--	--	--	--	--
			Silver	--	--	--	--	--	--	--	--	--	--	--
			Thallium	--	--	--	--	--	--	--	--	--	--	--
			Vanadium	--	--	--	--	--	--	--	--	--	--	--
			Zinc	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	6.78E-10	0.00E+00	6.78E-10		0.00E+00	0.00E+00	4.85E-03	0.00E+00	4.85E-03
		Exposure Point Total						6.78E-10						4.85E-03
	Exposure Medium Total							6.78E-10						4.85E-03
Medium Total								9.85E-07						4.45E-01
Groundwater	Groundwater Vapor Intrusion Indoor Air	Indoor Air (inhalation)	1,1,1-Trichloroethane	--	--	--	--	--	Liver, Brain	--	--	7.12E-05	--	7.12E-05
			1,1,2-Trichloroethane	--	--	9.10E-10	--	9.10E-10	Blood	--	--	2.84E-04	--	2.84E-04
			1,1-Dichlorethane	--	--	5.50E-09	--	5.50E-09	Kidney	--	--	4.83E-04	--	4.83E-04
			1,1-Dichlorethene	--	--	--	--	--	Liver	--	--	3.63E-02	--	3.63E-02
			1,2,4-Trimethylbenzene	--	--	--	--	--	CNS	--	--	--	--	--
			1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	4.63E-05	--	4.63E-05
			1,2-Dichlorethane	--	--	2.49E-09	--	2.49E-09	Liver	--	--	2.79E-06	--	2.79E-06
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	--	--	5.79E-03	--	5.79E-03
			1,2-Dichloropropane	--	--	3.19E-11	--	3.19E-11	--	--	--	2.99E-05	--	2.99E-05
			1,3,5-Trimethylbenzene	--	--	--	--	--	CNS	--	--	--	--	--
			1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	3.78E-05	--	3.78E-05

TABLE F-9.3.2.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater Vapor Intrusion Indoor Air (continued)	Indoor Air (inhalation) (continued)	1,4-Dichlorobenzene	--	--	5.08E-05	--	5.08E-05	Liver	--	--	7.08E-01	--	7.08E-01
			2-Butanone	--	--	--	--	--	Developmental	--	--	--	--	--
			2-Hexanone	--	--	--	--	--	CNS	--	--	--	--	--
			2-MethylNaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	--	--	--
			Acenaphthene	--	--	--	--	--	Liver	--	--	3.49E-07	--	3.49E-07
			Acenaphthylene	--	--	--	--	--	Liver	--	--	--	--	--
			Acetone	--	--	--	--	--	Kidney	--	--	1.49E-05	--	1.49E-05
			Benzene	--	--	4.51E-09	--	4.51E-09	Blood	--	--	1.36E-03	--	1.36E-03
			Bromodichloromethane	--	--	4.56E-10	--	4.56E-10	Kidney	--	--	2.57E-05	--	2.57E-05
			Carbon disulfide	--	--	--	--	--	CNS	--	--	1.77E-04	--	1.77E-04
			Chlorobenzene	--	--	--	--	--	Liver	--	--	1.44E-04	--	1.44E-04
			Chloroethane	--	--	--	--	--	Fetus	--	--	--	--	--
			Chloroform	--	--	4.88E-09	--	4.88E-09	--	--	--	3.03E-02	--	3.03E-02
			Chloromethane	--	--	--	--	--	CNS	--	--	--	--	--
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	2.50E-03	--	2.50E-03
			Cyanide	--	--	--	--	--	--	--	--	--	--	--
			Ethylbenzene	--	--	--	--	--	Developmental	--	--	2.23E-05	--	2.23E-05
			Fluorene	--	--	--	--	--	Blood	--	--	1.01E-07	--	1.01E-07
			Hexachlorobutadiene	--	--	3.05E-10	--	3.05E-10	Kidney	--	--	9.13E-04	--	9.13E-04
			Isopropylbenzene	--	--	--	--	--	Kidney	--	--	4.43E-05	--	4.43E-05
			m,p-Xylene	--	--	--	--	--	CNS	--	--	4.10E-04	--	4.10E-04
			Methylene Chloride	--	--	7.73E-11	--	7.73E-11	Liver	--	--	3.84E-06	--	3.84E-06
			Methyl-T-Butyl-ether	--	--	--	--	--	Liver/Kidney/ Periocular Tissue	--	--	--	--	--
			Naphthalene	--	--	2.49E-09	--	2.49E-09	Nasal Epithelium	--	--	1.69E-03	--	1.69E-03
			n-Butylbenzene	--	--	--	--	--	--	--	--	1.86E-04	--	1.86E-04
			n-propylbenzene	--	--	--	--	--	--	--	--	2.71E-04	--	2.71E-04
			o-Xylene	--	--	--	--	--	CNS	--	--	1.63E-04	--	1.63E-04
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	2.66E-08	--	2.66E-08
			Pyrene	--	--	--	--	--	Kidney	--	--	7.24E-08	--	7.24E-08
			sec-Butylbenzene	--	--	--	--	--	--	--	--	3.88E-05	--	3.88E-05
			tert-Butylbenzene	--	--	--	--	--	--	--	--	2.33E-05	--	2.33E-05
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	1.15E-03	--	1.15E-03
			Tetrachloroethene	--	--	3.48E-09	--	3.48E-09	CNS	--	--	6.77E-05	--	6.77E-05
			Toluene	--	--	--	--	--	CNS	--	--	4.81E-05	--	4.81E-05
			Trichloroethene	--	--	6.97E-06	--	6.97E-06	CNS/Liver/Endocrine System	--	--	1.22E-01	--	1.22E-01
			Vinyl chloride	--	--	2.50E-08	--	2.50E-08	Liver	--	--	3.82E-03	--	3.82E-03
			Xylene (Total)	--	--	--	--	--	CNS	--	--	5.40E-04	--	5.40E-04
			Chemical Total	0.00E+00	0.00E+00	5.79E-05	0.00E+00	5.79E-05		0.00E+00	0.00E+00	9.17E-01	0.00E+00	9.17E-01
		Exposure Point Total						5.79E-05						9.17E-01
	Exposure Medium Total							5.79E-05						9.17E-01
Medium Total								5.79E-05						9.17E-01
Receptor Total							Receptor Risk Total	5.88E-05					Receptor HI Total	1.36E+00

TABLE F-9.3.2.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total

Total Organ 1 (Liver) HI Across All Media =	9.07E-01
Total Organ 2 (Kidney) HI Across All Media =	5.25E-02
Total Organ 3 (Fetus) HI Across All Media =	0.00E+00
Total Organ 4 (Nervous System) HI Across All Media =	1.94E-01
Total Organ 5 (Endocrine system) HI Across All Media =	1.22E-01
Total Organ 6 (Blood) HI Across All Media =	6.64E-02
Total Organ 7 (Skin) HI Across All Media =	2.82E-02
Total Organ 8 (No Observed Effect) HI Across All Media =	1.00E-04
Total Organ 9 (Unknown Systems) HI Across All Media =	1.97E-01
Total Organ 10 (Gastrointestinal System) HI Across All Media =	5.07E-03
Total Organ 11 (Vision/Eye) HI Across All Media =	5.96E-02
Total Organ 12 (Body Weight) HI Across All Media =	NA
Total Organ 13 (Developmental) HI Across All Media =	6.96E-05
Total Organ 13 (Respiratory/lung) HI Across All Media =	1.39E-03
Total Organ 13 (whole body) HI Across All Media =	2.34E-02
Total Organ 13 (Immune System) HI Across All Media =	1.94E-02
Total Organ 13 (Reproductive System) HI Across All Media =	NA
Total Organ 13 (Finger and Toe Nail) HI Across All Media =	5.96E-02
Total Organ 13 (Nasal Tissue) HI Across All Media =	1.87E-03
Total Organ 13 (Fetus) HI Across All Media =	0.00E+00

Notes:

--	Not applicable or not available
COPC	Chemicals of Potential Concern
CNS	Central nervous system
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
GI	Gastrointestinal
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile organic compound

TABLE F-9.3.3.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-2 ft bgs)	Soil	Site Soil	2-Methylnaphthalene	--	--	--	--	--	Lungs	9.15E-06	3.65E-07	--	--	9.52E-06
			4-Methyl-2-pentanone	--	--	--	--	--	Whole Body	7.71E-04	3.07E-05	--	--	8.01E-04
			Acenaphthene	--	--	--	--	--	Liver	1.64E-06	8.51E-07	--	--	2.49E-06
			Acenaphthylene	--	--	--	--	--	Liver	5.35E-07	2.14E-08	--	--	5.57E-07
			Aluminum	--	--	--	--	--	CNS	1.30E-02	5.19E-05	--	--	1.31E-02
			Anthracene	--	--	--	--	--	No observed effect	8.55E-07	4.43E-07	--	--	1.30E-06
			Antimony	--	--	--	--	--	Whole body, Blood, Immune System	6.82E-03	2.72E-05	--	--	6.85E-03
			Aroclor-1254	2.82E-08	1.57E-08	--	3.97E-09	4.79E-08	Eye/Finger and Toe nails	2.05E-03	1.15E-03	--	2.89E-04	3.49E-03
			Aroclor-1260	2.16E-07	1.21E-07	--	1.27E-08	3.49E-07	Eye/Finger and Toe nails	1.58E-02	8.80E-03	--	9.26E-04	2.55E-02
			Arsenic	1.67E-06	2.00E-07	--	6.19E-06	8.06E-06	Skin	1.08E-02	1.30E-03	--	4.01E-02	5.22E-02
			Barium	--	--	--	--	--	Kidney	8.76E-04	4.99E-05	--	--	9.26E-04
			Benzo(a)anthracene	2.37E-07	1.23E-07	--	1.42E-08	3.74E-07	--	--	--	--	--	--
			Benzo(a)pyrene	4.86E-06	2.52E-06	--	1.93E-07	7.57E-06	--	--	--	--	--	--
			Benzo(b)fluoranthene	1.73E-07	8.96E-08	--	8.16E-09	2.71E-07	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	8.27E-06	4.29E-06	--	--	1.26E-05
			Benzo(k)fluoranthene	8.57E-09	4.45E-09	--	3.38E-10	1.34E-08	--	--	--	--	--	--
			Beryllium	--	--	--	--	--	GI Tract	6.96E-04	3.97E-04	--	--	1.09E-03
			Cadmium	--	--	--	--	--	Kidney	1.18E-02	4.72E-05	--	5.54E-01	5.65E-01
			Chromium	--	--	--	--	--	No observed effect	3.75E-05	1.50E-07	--	--	3.77E-05
			Chrysene	2.54E-09	1.32E-09	--	1.53E-10	4.01E-09	--	--	--	--	--	--
			Cobalt	--	--	--	--	--	Blood	8.05E-04	3.21E-06	--	--	8.08E-04
			Copper	--	--	--	--	--	Gi Tract/Kidney	1.15E-03	4.60E-06	--	--	1.16E-03
			Dibenzo(a,h)anthracene	2.80E-07	1.45E-07	--	7.27E-09	4.33E-07	--	--	--	--	--	--
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	4.34E-05	2.25E-05	--	2.81E-06	6.88E-05
			Fluorene	--	--	--	--	--	Blood	2.53E-06	1.31E-06	--	--	3.84E-06
			Indeno(1,2,3-cd)pyrene	9.37E-08	4.86E-08	--	3.18E-09	1.45E-07	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	7.02E-02	2.80E-04	--	--	7.05E-02
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	1.55E-02	6.19E-05	--	--	1.56E-02
			Mercury	--	--	--	--	--	Immune System	1.36E-03	--	--	7.76E-03	9.11E-03
			Naphthalene	1.85E-09	9.62E-10	--	--	2.82E-09	Whole Body	2.25E-06	1.17E-06	--	--	3.42E-06
			Nickel	--	--	--	--	--	Whole Body	2.04E-03	2.03E-04	--	1.23E-02	1.46E-02
			Phenanthrene	--	--	--	--	--	No observed effect	3.46E-06	1.38E-07	--	--	3.60E-06
			Pyrene	--	--	--	--	--	Kidney	5.50E-05	2.86E-05	--	--	8.36E-05
			Selenium	--	--	--	--	--	Whole Body	7.67E-05	1.02E-06	--	4.56E-04	5.34E-04
			Silver	--	--	--	--	--	SKin	1.60E-04	1.59E-05	--	--	1.75E-04
			Thallium	--	--	--	--	--	Liver, Blood	1.55E-02	--	--	--	1.55E-02
			Vanadium	--	--	--	--	--	Kidney	6.78E-03	1.04E-03	--	--	7.82E-03
			Zinc	--	--	--	--	--	Blood	2.68E-04	1.07E-06	--	6.46E-03	6.73E-03
			Chemical Total	7.57E-06	3.27E-06	0.00E+00	6.43E-06	1.73E-05		1.77E-01	1.35E-02	0.00E+00	6.22E-01	8.12E-01
		Exposure Point Total						1.73E-05						8.12E-01
	Total							1.73E-05						8.12E-01
	Air	Outdoor Air (Particulates and VO	2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	5.71E-04	--	5.71E-04
			Acenaphthene	--	--	--	--	--	Liver	--	--	1.82E-06	--	1.82E-06
			Acenaphthylene	--	--	--	--	--	Liver	--	--	5.92E-07	--	5.92E-07
			Aluminum	--	--	--	--	--	Respiratory system	--	--	1.37E-03	--	1.37E-03
			Anthracene	--	--	--	--	--	No observed effect	--	--	2.43E-07	--	2.43E-07
			Antimony	--	--	--	--	--	--	--	--	--	--	--

TABLE F-9.3.3.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-2 ft bgs) (continued)	Air (continued)	Outdoor Air (Particulates and VO (continued)	Aroclor-1254	--	--	4.25E-12	--	4.25E-12	Immune System/ Eye/Finger and Toe nails	--	--	3.10E-07	--	3.10E-07
			Aroclor-1260	--	--	3.26E-11	--	3.26E-11	Immune System/ Eye/Finger and Toe nails	--	--	2.38E-06	--	2.38E-06
			Arsenic	--	--	2.52E-09	--	2.52E-09	--	--	--	--	--	--
			Barium	--	--	--	--	--	Developmental	--	--	6.61E-05	--	6.61E-05
			Benzo(a)anthracene	--	--	3.57E-11	--	3.57E-11	--	--	--	--	--	--
			Benzo(a)pyrene	--	--	7.33E-10	--	7.33E-10	--	--	--	--	--	--
			Benzo(b)fluoranthene	--	--	2.61E-11	--	2.61E-11	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	--	--	1.25E-09	--	1.25E-09
			Benzo(k)fluoranthene	--	--	1.29E-12	--	1.29E-12	--	--	--	--	--	--
			Beryllium	--	--	6.05E-10	--	6.05E-10	Immune System/Lung	--	--	3.68E-05	--	3.68E-05
			Cadmium	--	--	1.93E-09	--	1.93E-09	--	--	--	--	--	--
			Chromium	--	--	--	--	--	--	--	--	--	--	--
			Chrysene	--	--	3.84E-13	--	3.84E-13	--	--	--	--	--	--
			Cobalt	--	--	8.16E-09	--	8.16E-09	Respiratory system	--	--	4.25E-04	--	4.25E-04
			Copper	--	--	--	--	--	--	--	--	--	--	--
			Dibenzo(a,h)anthracene	--	--	4.23E-11	--	4.23E-11	--	--	--	--	--	--
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	--	--	6.55E-09	--	6.55E-09
			Fluorene	--	--	--	--	--	Blood	--	--	1.40E-06	--	1.40E-06
			Indeno(1,2,3-cd)pyrene	--	--	1.41E-11	--	1.41E-11	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	--	--	--	--	--
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	--	--	3.93E-03	--	3.93E-03
			Mercury	--	--	--	--	--	--	--	--	--	--	--
			Naphthalene	--	--	8.59E-09	--	8.59E-09	Nasal Epithelium	--	--	2.44E-04	--	2.44E-04
			Nickel	--	--	--	--	--	Respiratory system	--	--	1.08E-04	--	1.08E-04
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	4.61E-07	--	4.61E-07
			Pyrene	--	--	--	--	--	Kidney	--	--	2.89E-06	--	2.89E-06
			Selenium	--	--	--	--	--	--	--	--	--	--	--
			Silver	--	--	--	--	--	--	--	--	--	--	--
			Thallium	--	--	--	--	--	--	--	--	--	--	--
			Vanadium	--	--	--	--	--	--	--	--	--	--	--
			Zinc	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	2.27E-08	0.00E+00	2.27E-08		0.00E+00	0.00E+00	6.77E-03	0.00E+00	6.77E-03
		Exposure Point Total						2.27E-08						6.77E-03
	Total							2.27E-08						6.77E-03
Medium Total								1.73E-05						8.19E-01
Groundwater	Groundwater	Domestic Use of Groundwater	1,1,1-Trichloroethane	--	--	--	--	--	Liver	2.18E-03	1.95E-04	--	--	2.38E-03
			1,1,2-Trichloroethane	5.66E-06	1.90E-07	--	--	5.85E-06	Blood	7.24E-02	2.43E-03	--	--	7.48E-02
			1,1-Dichlorethane	5.79E-06	2.68E-07	--	--	6.06E-06	No observed effect	2.96E-02	1.37E-03	--	--	3.10E-02
			1,1-Dichlorethene	--	--	--	--	--	Liver	3.23E-01	2.68E-02	--	--	3.49E-01
			1,2,4-Trimethylbenzene	--	--	--	--	--	No observed effect	6.20E-03	3.05E-03	--	--	9.25E-03
			1,2-Dichlorobenzene	--	--	--	--	--	No observed effect	4.07E-03	1.40E-03	--	--	5.47E-03
			1,2-Dichlorethane	1.07E-05	2.97E-07	--	--	1.10E-05	Kidney	1.71E-02	4.77E-04	--	--	1.76E-02
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	8.04E-01	6.26E-02	--	--	8.67E-01
			1,2-Dichloropropane	6.39E-08	3.31E-09	--	--	6.72E-08	Blood, Liver, CNS	2.49E-03	1.29E-04	--	--	2.62E-03
			1,3,5-Trimethylbenzene	--	--	--	--	--	No observed effect	5.82E-03	2.87E-03	--	--	8.69E-03
			1,3-Dichlorobenzene	--	--	--	--	--	Liver/Thyroid	1.37E-01	5.54E-02	--	--	1.92E-01
			1,4-Dichlorobenzene	1.45E-06	4.68E-07	--	--	1.92E-06	GI Tract, Liver	5.86E-03	1.90E-03	--	--	7.76E-03
			2-Butanone	--	--	--	--	--	Developmental	3.24E-03	1.88E-05	--	--	3.26E-03

TABLE F-9.3.3.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	2-Hexanone	--	--	--	--	--	CNS	6.85E-04	1.59E-05	--	--	7.01E-04
			2-Methylnaphthalene	--	--	--	--	--	Lungs	4.79E-03	3.55E-03	--	--	8.35E-03
			4-Methyl-2-pentanone	--	--	--	--	--	Whole Body	9.93E-03	2.06E-04	--	--	1.01E-02
			Acenaphthene	--	--	--	--	--	Liver	9.13E-04	6.34E-04	--	--	1.55E-03
			Acenaphthylene	--	--	--	--	--	Liver	9.13E-04	6.72E-04	--	--	1.59E-03
			Acetone	--	--	--	--	--	Kidney	5.03E-02	1.50E-04	--	--	5.05E-02
			Aluminum	--	--	--	--	--	CNS	2.71E-02	3.02E-04	--	--	2.74E-02
			Antimony	--	--	--	--	--	Whole body, Blood, Immune System	9.79E-01	5.57E-03	--	--	9.84E-01
			Arsenic	2.79E-04	2.81E-06	--	--	2.82E-04	Skin	1.81E+00	1.82E-02	--	--	1.83E+00
			Barium	--	--	--	--	--	Kidney	1.06E-01	3.17E-03	--	--	1.09E-01
			Benzene	8.21E-06	8.87E-07	--	--	9.10E-06	Blood	1.09E-01	1.18E-02	--	--	1.21E-01
			Benzo(a)anthracene	6.86E-07	3.39E-06	--	--	4.08E-06	--	--	--	--	--	--
			Benzo(a)pyrene	6.86E-06	4.44E-05	--	--	5.12E-05	--	--	--	--	--	--
			Beryllium	--	--	--	--	--	GI Tract	1.94E-02	9.53E-03	--	--	2.89E-02
			bis(2-ethylhexyl)phthalate	9.33E-07	--	--	--	9.33E-07	Liver	9.72E-03	9.99E-02	--	--	1.10E-01
			Bromodichloromethane	4.14E-06	1.08E-07	--	--	4.24E-06	Kidney	9.73E-03	2.55E-04	--	--	9.98E-03
			Cadmium	--	--	--	--	--	Kidney	8.78E-01	1.60E-03	--	--	8.79E-01
			Carbon disulfide	--	--	--	--	--	Developmental	2.06E-03	1.68E-04	--	--	2.23E-03
			Chlorobenzene	--	--	--	--	--	Liver	8.32E-03	1.77E-03	--	--	1.01E-02
			Chloroethane	3.36E-07	1.40E-08	--	--	3.50E-07	No observed effect	8.46E-04	3.52E-05	--	--	8.81E-04
			Chloroform	--	--	--	--	--	Liver	2.04E-02	9.49E-04	--	--	2.13E-02
			Chloromethane	--	--	--	--	--	Liver, Kidney, Spleen, CNS	7.65E-03	1.66E-04	--	--	7.82E-03
			Chromium	--	--	--	--	--	No observed effect	2.78E-03	1.45E-05	--	--	2.79E-03
			Chromium (VI)	--	--	--	--	--	No observed effect	4.31E+00	2.25E-02	--	--	4.33E+00
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	1.52E-01	1.18E-02	--	--	1.64E-01
			Cobalt	--	--	--	--	--	Blood	2.07E-02	1.31E-04	--	--	2.08E-02
			Copper	--	--	--	--	--	Gi Tract/Kidney	8.48E-03	1.36E-05	--	--	8.50E-03
			Cyanide	--	--	--	--	--	Thyroid, CNS	9.04E-02	4.09E-04	--	--	9.08E-02
			Ethylbenzene	--	--	--	--	--	Kidney, Liver	1.97E-03	7.59E-04	--	--	2.73E-03
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	1.23E-03	3.30E-03	--	--	4.53E-03
			Fluorene	--	--	--	--	--	Blood	6.85E-04	6.11E-04	--	--	1.30E-03
			Hexachlorobutadiene	2.93E-07	1.85E-07	--	--	4.78E-07	Kidney	3.65E-02	2.31E-02	--	--	5.96E-02
			Iron	--	--	--	--	--	--	1.55E+00	2.00E-03	--	--	1.55E+00
			Isopropylbenzene	--	--	--	--	--	Kidney	1.51E-03	1.10E-03	--	--	2.61E-03
			Lead	--	--	--	--	--	--	--	--	--	--	--
			m,p-Xylene	--	--	--	--	--	CNS/Whole Body	1.81E-03	7.59E-04	--	--	2.57E-03
			Manganese	--	--	--	--	--	CNS	1.13E+01	7.56E-02	--	--	1.14E+01
			Mercury	--	--	--	--	--	Immune System	4.02E-03	3.00E-04	--	--	4.32E-03
			Methylene chloride	6.98E-07	1.62E-08	--	--	7.14E-07	Liver	4.52E-03	1.05E-04	--	--	4.63E-03
			Methyl-T-Butyl-Ether	1.18E-07	1.58E-09	--	--	1.19E-07	Liver/Kidney/Periocular Tissue	2.22E-04	2.98E-06	--	--	2.25E-04
			Molybdenum	--	--	--	--	--	CNS	4.11E-01	1.54E-03	--	--	4.12E-01
			Naphthalene	3.77E-05	1.37E-05	--	--	5.14E-05	Whole Body	4.59E-02	1.66E-02	--	--	6.25E-02
			n-Butylbenzene	--	--	--	--	--	Kidney, Liver	1.64E-03	1.20E-03	--	--	2.85E-03
			Nickel	--	--	--	--	--	Whole Body	2.50E-01	1.08E-02	--	--	2.61E-01
			n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--
			o-Xylene	--	--	--	--	--	CNS/Whole Body	9.40E-04	3.45E-04	--	--	1.29E-03
			Phenanthrene	--	--	--	--	--	No observed effect	1.83E-04	2.18E-04	--	--	4.01E-04
			Phenol	--	--	--	--	--	Developmental	6.02E-04	1.74E-05	--	--	6.20E-04
			p-Isopropyltoluene	--	0.00E+00	--	--	0.00E+00	--	--	--	--	--	--

TABLE F-9.3.3.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Pyrene	--	--	--	--	--	Kidney	2.74E-03	4.63E-03	--	--	7.37E-03
			sec-Butylbenzene	--	--	--	--	--	Kidney	3.42E-04	--	--	--	3.42E-04
			Selenium	--	--	--	--	--	Whole Body	5.92E-02	9.30E-04	--	--	6.01E-02
			Silver	--	--	--	--	--	SKin	3.00E-02	2.39E-03	--	--	3.24E-02
			Tert-Butanol	--	--	--	--	--	--	--	--	--	--	--
			tert-Butylbenzene	--	--	--	--	--	Kidney	2.05E-04	1.50E-04	--	--	3.56E-04
			Tetrachloroethene	2.96E-05	7.44E-06	--	--	3.71E-05	Liver	1.60E-02	4.02E-03	--	--	2.00E-02
			Thallium	--	--	--	--	--	Liver, Blood	3.37E+00	1.76E-02	--	--	3.39E+00
			Toluene	--	--	--	--	--	Kidney, Liver	8.70E-04	2.06E-04	--	--	1.08E-03
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	1.59E-02	3.99E-03	--	--	1.99E-02
			Trichloroethene	3.76E-03	3.08E-04	--	--	4.07E-03	Liver, Kidney, Fetus	9.14E+01	7.49E+00	--	--	9.88E+01
			Vanadium	--	--	--	--	--	Kidney	1.12E-01	3.03E-02	--	--	1.42E-01
			Vinyl chloride	1.72E-04	1.01E-05	--	--	1.82E-04	Liver	2.32E-01	1.37E-02	--	--	2.45E-01
			Xylene (Total)	--	--	--	--	--	Whole Body	2.40E-03	1.00E-03	--	--	3.40E-03
			Zinc	--	--	--	--	--	Blood	1.37E-02	2.44E-05	--	--	1.37E-02
			Chemical Total	4.32E-03	3.92E-04	0.00E+00	0.00E+00	4.71E-03		1.19E+02	8.06E+00	0.00E+00	0.00E+00	1.27E+02
		Exposure Point Total						4.71E-03						1.27E+02
	Exposure Medium Total							4.71E-03						1.27E+02
	Air	Domestic Use of Groundwater	1,1,1-Trichloroethane	--	--	--	--	--	Liver, Brain	--	--	1.17E-04	--	1.17E-04
			1,1,2-Trichloroethane	--	--	6.69E-07	--	6.69E-07	Blood	--	--	8.72E-03	--	8.72E-03
			1,1-Dichlorethane	--	--	6.97E-07	--	6.97E-07	Kidney	--	--	2.55E-03	--	2.55E-03
			1,1-Dichlorethene	--	--	--	--	--	Liver	--	--	3.40E-02	--	3.40E-02
			1,2,4-Trimethylbenzene	--	--	--	--	--	CNS	--	--	2.19E-02	--	2.19E-02
			1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	7.73E-04	--	7.73E-04
			1,2-Dichlorethane	--	--	1.28E-06	--	1.28E-06	Liver	--	--	6.00E-05	--	6.00E-05
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	--	--	9.68E-02	--	9.68E-02
			1,2-Dichloropropane	--	--	7.69E-09	--	7.69E-09	--	--	--	3.00E-04	--	3.00E-04
			1,3,5-Trimethylbenzene	--	--	--	--	--	CNS	--	--	2.06E-02	--	2.06E-02
			1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	4.95E-04	--	4.95E-04
			1,4-Dichlorobenzene	--	--	1.60E-07	--	1.60E-07	Liver	--	--	9.26E-05	--	9.26E-05
			2-Butanone											
			2-Hexanone	--	--	--	--	--	CNS	--	--	7.67E-06	--	7.67E-06
			2-MethylNaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	1.11E-04	--	1.11E-04
			Acenaphthene	--	--	--	--	--	Liver	--	--	1.10E-04	--	1.10E-04
			Acenaphthylene	--	--	--	--	--	Liver	--	--	1.10E-04	--	1.10E-04
			Acetone	--	--	--	--	--	Kidney	--	--	6.06E-03	--	6.06E-03
			Benzene	--	--	4.85E-07	--	4.85E-07	Blood	--	--	6.11E-03	--	6.11E-03
			Bromodichloromethane	--	--	4.98E-07	--	4.98E-07	Kidney	--	--	1.17E-03	--	1.17E-03
			Carbon disulfide	--	--	--	--	--	CNS	--	--	1.24E-04	--	1.24E-04
			Chlorobenzene	--	--	--	--	--	Liver	--	--	1.17E-03	--	1.17E-03
			Chloroethane	--	--	4.05E-08	--	4.05E-08	Fetus	--	--	1.40E-05	--	1.40E-05
			Chloroform	--	--	6.77E-07	--	6.77E-07	--	--	--	1.75E-01	--	1.75E-01

TABLE F-9.3.3.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Air (continued)	Domestic Use of Groundwater (continued)	Chloromethane	--	--	--	--	--	CNS	--	--	9.31E-04	--	9.31E-04
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	1.83E-02	--	1.83E-02
			Cyanide	--	--	--	--	--	--	--	--	--	--	--
			Ethylbenzene	--	--	--	--	--	Developmental	--	--	8.29E-05	--	8.29E-05
			Fluorene	--	--	--	--	--	Blood	--	--	8.24E-05	--	8.24E-05
			Hexachlorobutadiene	--	--	3.53E-08	--	3.53E-08	Kidney	--	--	4.40E-03	--	4.40E-03
			Isopropylbenzene	--	--	--	--	--	Kidney	--	--	1.65E-04	--	1.65E-04
			m,p-Xylene	--	--	--	--	--	CNS	--	--	1.53E-03	--	1.53E-03
			Methylene Chloride	--	--	1.84E-08	--	1.84E-08	Liver	--	--	3.81E-05	--	3.81E-05
			Methyl-T-Butyl-ether	--	--	7.17E-09	--	7.17E-09	Liver/Kidney/ Periocular Tissue	--	--	2.68E-05	--	2.68E-05
			Naphthalene	--	--	4.54E-06	--	4.54E-06	Nasal Epithelium	--	--	1.29E-01	--	1.29E-01
			n-Butylbenzene	--	--	--	--	--	--	--	--	6.92E-04	--	6.92E-04
			n-propylbenzene	--	--	--	--	--	--	--	--	1.01E-03	--	1.01E-03
			o-Xylene	--	--	--	--	--	CNS	--	--	7.92E-04	--	7.92E-04
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	2.20E-05	--	2.20E-05
			Pyrene	--	--	--	--	--	Kidney	--	--	3.30E-04	--	3.30E-04
			sec-Butylbenzene	--	--	--	--	--	--	--	--	1.44E-04	--	1.44E-04
			tert-Butylbenzene	--	--	--	--	--	--	--	--	8.66E-05	--	8.66E-05
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	1.91E-03	--	1.91E-03
			Tetrachloroethene	--	--	1.39E-07	--	1.39E-07	CNS	--	--	1.12E-04	--	1.12E-04
			Toluene	--	--	--	--	--	CNS	--	--	1.83E-04	--	1.83E-04
			Trichloroethene	--	--	4.52E-04	--	4.52E-04	CNS/Liver/Endocrine System	--	--	3.30E-01	--	3.30E-01
			Vinyl chloride	--	--	8.89E-07	--	8.89E-07	Liver	--	--	2.93E-03	--	2.93E-03
			Xylene (Total)	--	--	--	--	--	CNS	--	--	2.02E-03	--	2.02E-03
			Chemical Total	0.00E+00	0.00E+00	4.63E-04	0.00E+00	4.63E-04		0.00E+00	0.00E+00	8.71E-01	0.00E+00	8.71E-01
		Exposure Point Total						4.63E-04						8.71E-01
	Exposure Medium Total							4.63E-04						8.71E-01
	Groundwater Vapor Intrusion Indoor Air	Indoor Air (inhalation)	1,1,1-Trichloroethane	--	--	--	--	--	Liver, Brain	--	--	8.72E-04	--	8.72E-04
			1,1,2-Trichloroethane	--	--	2.40E-07	--	2.40E-07	Blood	--	--	3.13E-03	--	3.13E-03
			1,1-Dichlorethane	--	--	1.69E-06	--	1.69E-06	Kidney	--	--	6.16E-03	--	6.16E-03
			1,1-Dichlorethene	--	--	--	--	--	Liver	--	--	4.73E-01	--	4.73E-01
			1,2,4-Trimethylbenzene	--	--	--	--	--	CNS	--	--	3.75E-02	--	3.75E-02
			1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	4.54E-04	--	4.54E-04
			1,2-Dichlorethane	--	--	6.56E-07	--	6.56E-07	Liver	--	--	3.06E-05	--	3.06E-05
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	--	--	1.66E-01	--	1.66E-01
			1,2-Dichloropropane	--	--	8.95E-09	--	8.95E-09	--	--	--	3.49E-04	--	3.49E-04
			1,3,5-Trimethylbenzene	--	--	--	--	--	CNS	--	--	3.35E-02	--	3.35E-02
			1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	4.90E-04	--	4.90E-04
			1,4-Dichlorobenzene	--	--	1.22E-07	--	1.22E-07	Liver	--	--	7.06E-05	--	7.06E-05
			2-Butanone	--	--	--	--	--	Developmental	--	--	4.49E-06	--	4.49E-06
			2-Hexanone	--	--	--	--	--	CNS	--	--	4.16E-07	--	4.16E-07

TABLE F-[illegible].3.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater Vapor Intrusion Indoor Air (continued)	Indoor Air (inhalation) (continued)	2-MethylNaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	6.04E-06	--	6.04E-06
			Acenaphthene	--	--	--	--	--	Liver	--	--	2.97E-06	--	2.97E-06
			Acenaphthylene	--	--	--	--	--	Liver	--	--	2.97E-06	--	2.97E-06
			Acetone	--	--	--	--	--	Kidney	--	--	1.65E-04	--	1.65E-04
			Benzene	--	--	1.27E-06	--	1.27E-06	Blood	--	--	1.59E-02	--	1.59E-02
			Bromodichloromethane	--	--	1.48E-07	--	1.48E-07	Kidney	--	--	3.48E-04	--	3.48E-04
			Carbon disulfide	--	--	--	--	--	CNS	--	--	2.19E-03	--	2.19E-03
			Chlorobenzene	--	--	--	--	--	Liver	--	--	1.57E-03	--	1.57E-03
			Chloroethane	--	--	3.98E-07	--	3.98E-07	Fetus	--	--	1.38E-04	--	1.38E-04
			Chloroform	--	--	1.37E-06	--	1.37E-06	--	--	--	3.55E-01	--	3.55E-01
			Chloromethane	--	--	--	--	--	CNS	--	--	6.24E-03	--	6.24E-03
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	3.14E-02	--	3.14E-02
			Cyanide	--	--	--	--	--	--	--	--	--	--	--
			Ethylbenzene	--	--	--	--	--	Developmental	--	--	2.37E-04	--	2.37E-04
			Fluorene	--	--	--	--	--	Blood	--	--	9.14E-07	--	9.14E-07
			Hexachlorobutadiene	--	--	6.98E-08	--	6.98E-08	Kidney	--	--	8.71E-03	--	8.71E-03
			Isopropylbenzene	--	--	--	--	--	Kidney	--	--	5.26E-02	--	5.26E-02
			m,p-Xylene	--	--	--	--	--	CNS	--	--	4.31E-03	--	4.31E-03
			Methylene Chloride	--	--	2.26E-08	--	2.26E-08	Liver	--	--	4.67E-05	--	4.67E-05
			Methyl-T-Butyl-ether	--	--	2.52E-09	--	2.52E-09	Liver/Kidney/ Periocular Tissue	--	--	9.41E-06	--	9.41E-06
			Naphthalene	--	--	5.64E-07	--	5.64E-07	Nasal Epithelium	--	--	1.60E-02	--	1.60E-02
			n-Butylbenzene	--	--	--	--	--	--	--	--	2.37E-03	--	2.37E-03
			n-propylbenzene	--	--	--	--	--	--	--	--	3.03E-03	--	3.03E-03
			o-Xylene	--	--	--	--	--	CNS	--	--	1.65E-03	--	1.65E-03
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	1.60E-07	--	1.60E-07
			Pyrene	--	--	--	--	--	Kidney	--	--	6.16E-07	--	6.16E-07
			sec-Butylbenzene	--	--	--	--	--	--	--	--	1.31E-06	--	1.31E-06
			tert-Butylbenzene	--	--	--	--	--	--	--	--	3.10E-04	--	3.10E-04
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	1.29E-02	--	1.29E-02
			Tetrachloroethene	--	--	9.33E-07	--	9.33E-07	CNS	--	--	7.56E-04	--	7.56E-04
			Toluene	--	--	--	--	--	CNS	--	--	5.30E-04	--	5.30E-04
			Trichloroethene	--	--	1.96E-03	--	1.96E-03	CNS/Liver/Endocrine System	--	--	1.43E+00	--	1.43E+00
			Vinyl chloride	--	--	1.59E-05	--	1.59E-05	Liver	--	--	5.22E-02	--	5.22E-02
			Xylene (Total)	--	--	--	--	--	CNS	--	--	5.70E-03	--	5.70E-03
			Chemical Total	0.00E+00	0.00E+00	1.98E-03	0.00E+00	1.98E-03		0.00E+00	0.00E+00	2.72E+00	0.00E+00	2.72E+00
		Exposure Point Total						1.98E-03						2.72E+00
	Exposure Medium Total							1.98E-03						2.72E+00
Medium Total								7.16E-03						1.31E+02
Receptor Total							Receptor Risk Total	7.18E-03					Receptor HI Total	1.31E+02

TABLE F-9.3.3.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
									Total Organ 1 (Liver) HI Across All Media =					1.05E+02
									Total Organ 2 (Kidney) HI Across All Media =					1.01E+02
									Total Organ 3 (Fetus) HI Across All Media =					9.90E+01
									Total Organ 4 (Nervous System) HI Across All Media =					1.39E+01
									Total Organ 5 (Endocrine system) HI Across All Media =					1.71E+00
									Total Organ 6 (Blood) HI Across All Media =					6.05E+00
									Total Organ 7 (Skin) HI Across All Media =					1.91E+00
									Total Organ 8 (No Observed Effect) HI Across All Media =					4.39E+00
									Total Organ 9 (Unknown Systems) HI Across All Media =					2.00E+00
									Total Organ 10 (Gastrointestinal System) HI Across All Media =					4.74E-02
									Total Organ 11 (Vision/Eye) HI Across All Media =					1.58E-01
									Total Organ 12 (Body Weight) HI Across All Media =					NA
									Total Organ 13 (Developmental) HI Across All Media =					5.89E-03
									Total Organ 13 (Respiratory/lung) HI Across All Media =					1.03E-02
									Total Organ 13 (whole body) HI Across All Media =					1.41E+00
									Total Organ 13 (Immune System) HI Across All Media =					1.00E+00
									Total Organ 13 (Reproductive System) HI Across All Media =					NA
									Total Organ 13 (Finger and Toe Nail) HI Across All Media =					2.90E-02
									Total Organ 13 (Nasal Tissue) HI Across All Media =					1.69E-02
									Total Organ 13 (Fetus) HI Across All Media =					9.90E+01

Notes:

--	Not applicable or not available
COPC	Chemicals of Potential Concern
CNS	Central nervous system
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
GI	Gastrointestinal
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile organic compound

TABLE F-3.3.4.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-2 ft bgs)	Soil	Site Soil	2-Methylnaphthalene	--	--	--	--	--	Lungs	8.54E-05	2.39E-06	--	--	8.78E-05
			4-Methyl-2-pentanone	--	--	--	--	--	Whole Body	7.19E-03	2.01E-04	--	--	7.39E-03
			Acenaphthene	--	--	--	--	--	Liver	1.53E-05	5.57E-06	--	--	2.09E-05
			Acenaphthylene	--	--	--	--	--	Liver	5.00E-06	1.40E-07	--	--	5.14E-06
			Aluminum	--	--	--	--	--	CNS	1.21E-01	3.40E-04	--	--	1.22E-01
			Anthracene	--	--	--	--	--	No observed effect	7.98E-06	2.90E-06	--	--	1.09E-05
			Antimony	--	--	--	--	--	Whole body, Blood, Immune System	6.37E-02	1.78E-04	--	--	6.39E-02
			Aroclor-1254	6.58E-08	2.58E-08	--	9.92E-10	9.25E-08	Eye/Finger and Toe nails	1.92E-02	7.52E-03	--	2.89E-04	2.70E-02
			Aroclor-1260	5.04E-07	1.98E-07	--	3.17E-09	7.05E-07	Eye/Finger and Toe nails	1.47E-01	5.76E-02	--	9.26E-04	2.06E-01
			Arsenic	3.90E-06	3.28E-07	--	1.55E-06	5.77E-06	Skin	1.01E-01	8.49E-03	--	4.01E-02	1.50E-01
			Barium	--	--	--	--	--	Kidney	8.17E-03	3.27E-04	--	--	8.50E-03
			Benzo(a)anthracene	5.52E-07	2.01E-07	--	3.55E-09	7.57E-07	--	--	--	--	--	--
			Benzo(a)pyrene	1.13E-05	4.12E-06	--	4.84E-08	1.55E-05	--	--	--	--	--	--
			Benzo(b)fluoranthene	4.03E-07	1.47E-07	--	2.04E-09	5.52E-07	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	7.72E-05	2.81E-05	--	--	1.05E-04
			Benzo(k)fluoranthene	2.00E-08	7.28E-09	--	8.46E-11	2.74E-08	--	--	--	--	--	--
			Beryllium	--	--	--	--	--	GI Tract	6.50E-03	2.60E-03	--	--	9.10E-03
			Cadmium	--	--	--	--	--	Kidney	1.10E-01	3.09E-04	--	5.54E-01	6.64E-01
			Chromium	--	--	--	--	--	No observed effect	3.50E-04	9.81E-07	--	--	3.51E-04
			Chrysene	5.93E-09	2.16E-09	--	3.82E-11	8.13E-09	--	--	--	--	--	--
			Cobalt	--	--	--	--	--	Blood	7.51E-03	2.10E-05	--	--	7.53E-03
			Copper	--	--	--	--	--	Gi Tract/Kidney	1.08E-02	3.02E-05	--	--	1.08E-02
			Dibenzo(a,h)anthracene	6.54E-07	2.38E-07	--	1.82E-09	8.94E-07	--	--	--	--	--	--
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	4.05E-04	1.48E-04	--	2.81E-06	5.56E-04
			Fluorene	--	--	--	--	--	Blood	2.36E-05	8.58E-06	--	--	3.22E-05
			Indeno(1,2,3-cd)pyrene	2.19E-07	7.95E-08	--	7.94E-10	2.99E-07	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	6.55E-01	1.83E-03	--	--	6.57E-01
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	1.45E-01	4.06E-04	--	--	1.45E-01
			Mercury	--	--	--	--	--	Immune System	1.27E-02	--	--	7.76E-03	2.04E-02
			Naphthalene	4.33E-09	1.58E-09	--	--	5.90E-09	Whole Body	2.10E-05	7.66E-06	--	--	2.87E-05
			Nickel	--	--	--	--	--	Whole Body	1.90E-02	1.33E-03	--	1.23E-02	3.27E-02
			Phenanthrene	--	--	--	--	--	No observed effect	3.23E-05	9.04E-07	--	--	3.32E-05
			Pyrene	--	--	--	--	--	Kidney	5.14E-04	1.87E-04	--	--	7.01E-04
			Selenium	--	--	--	--	--	Whole Body	7.16E-04	6.68E-06	--	4.56E-04	1.18E-03
			Silver	--	--	--	--	--	SKin	1.49E-03	1.04E-04	--	--	1.59E-03
			Thallium	--	--	--	--	--	Liver, Blood	1.44E-01	--	--	--	1.44E-01
			Vanadium	--	--	--	--	--	Kidney	6.32E-02	6.81E-03	--	--	7.01E-02
			Zinc	--	--	--	--	--	Blood	2.50E-03	7.00E-06	--	6.46E-03	8.97E-03
			Chemical Total	1.77E-05	5.35E-06	0.00E+00	1.61E-06	2.46E-05		1.65E+00	8.85E-02	0.00E+00	6.22E-01	2.36E+00
		Exposure Point Total						2.46E-05						2.36E+00
	Exposure Medium Total							2.46E-05						2.36E+00
	Air	Outdoor Air (Particulates and VOCs)	2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	1.35E-03	--	1.35E-03
			Acenaphthene	--	--	--	--	--	Liver	--	--	4.29E-06	--	4.29E-06
			Acenaphthylene	--	--	--	--	--	Liver	--	--	1.40E-06	--	1.40E-06
			Aluminum	--	--	--	--	--	Respiratory system	--	--	3.24E-03	--	3.24E-03
			Anthracene	--	--	--	--	--	No observed effect	--	--	5.74E-07	--	5.74E-07
			Antimony	--	--	--	--	--	--	--	--	--	--	--
			Aroclor-1254	--	--	2.51E-12	--	2.51E-12	Immune System/ Eye/Finger and Toe nails	--	--	7.32E-07	--	7.32E-07
			Aroclor-1260	--	--	1.92E-11	--	1.92E-11	Immune System/ Eye/Finger and Toe nails	--	--	5.61E-06	--	5.61E-06
			Arsenic	--	--	1.49E-09	--	1.49E-09	--	--	--	--	--	--
			Barium	--	--	--	--	--	Developmental	--	--	1.56E-04	--	1.56E-04

TABLE F-9.3.4.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-2 ft bgs) (continued)	Air (continued)	Outdoor Air (Particulates and VOCs) (continued)	Benzo(a)anthracene	--	--	2.11E-11	--	2.11E-11	--	--	--	--	--	--
			Benzo(a)pyrene	--	--	4.33E-10	--	4.33E-10	--	--	--	--	--	--
			Benzo(b)fluoranthene	--	--	1.54E-11	--	1.54E-11	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	--	--	2.95E-09	--	2.95E-09
			Benzo(k)fluoranthene	--	--	7.64E-13	--	7.64E-13	--	--	--	--	--	--
			Beryllium	--	--	3.57E-10	--	3.57E-10	Immune System/Lung	--	--	8.68E-05	--	8.68E-05
			Cadmium	--	--	1.14E-09	--	1.14E-09	--	--	--	--	--	--
			Chromium	--	--	--	--	--	--	--	--	--	--	--
			Chrysene	--	--	2.27E-13	--	2.27E-13	--	--	--	--	--	--
			Cobalt	--	--	4.82E-09	--	4.82E-09	Respiratory system	--	--	1.00E-03	--	1.00E-03
			Copper	--	--	--	--	--	--	--	--	--	--	--
			Dibenzo(a,h)anthracene	--	--	2.50E-11	--	2.50E-11	--	--	--	--	--	--
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	--	--	1.55E-08	--	1.55E-08
			Fluorene	--	--	--	--	--	Blood	--	--	3.30E-06	--	3.30E-06
			Indeno(1,2,3-cd)pyrene	--	--	8.34E-12	--	8.34E-12	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	--	--	--	--	--
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	--	--	9.29E-03	--	9.29E-03
			Mercury	--	--	--	--	--	--	--	--	--	--	--
			Naphthalene	--	--	5.07E-09	--	5.07E-09	Nasal Epithelium	--	--	5.75E-04	--	5.75E-04
			Nickel	--	--	--	--	--	Respiratory system	--	--	2.54E-04	--	2.54E-04
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	1.09E-06	--	1.09E-06
			Pyrene	--	--	--	--	--	Kidney	--	--	6.81E-06	--	6.81E-06
			Selenium	--	--	--	--	--	--	--	--	--	--	--
			Silver	--	--	--	--	--	--	--	--	--	--	--
			Thallium	--	--	--	--	--	--	--	--	--	--	--
			Vanadium	--	--	--	--	--	--	--	--	--	--	--
			Zinc	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	1.34E-08	0.00E+00	1.34E-08		0.00E+00	0.00E+00	1.60E-02	0.00E+00	1.60E-02
		Exposure Point Total						1.34E-08						1.60E-02
	Exposure Medium Total							1.34E-08						1.60E-02
Medium Total								2.46E-05						2.38E+00
Groundwater	Groundwater	Domestic Use of Groundwater	1,1,1-Trichloroethane	--	--	--	--	--	Liver	5.09E-03	5.75E-04	--	--	5.67E-03
			1,1,2-Trichloroethane	3.30E-06	1.40E-07	--	--	3.44E-06	Blood	1.69E-01	7.17E-03	--	--	1.76E-01
			1,1-Dichlorethane	3.38E-06	1.98E-07	--	--	3.58E-06	No observed effect	6.92E-02	4.04E-03	--	--	7.32E-02
			1,1-Dichlorethene	--	--	--	--	--	Liver	7.53E-01	7.90E-02	--	--	8.32E-01
			1,2,4-Trimethylbenzene	--	--	--	--	--	No observed effect	1.45E-02	9.01E-03	--	--	2.35E-02
			1,2-Dichlorobenzene	--	--	--	--	--	No observed effect	9.50E-03	4.13E-03	--	--	1.36E-02
			1,2-Dichlorethane	6.22E-06	2.19E-07	--	--	6.44E-06	Kidney	3.99E-02	1.41E-03	--	--	4.13E-02
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	1.88E+00	1.85E-01	--	--	2.06E+00
			1,2-Dichloropropane	3.73E-08	2.44E-09	--	--	3.97E-08	Blood, Liver, CNS	5.81E-03	3.80E-04	--	--	6.19E-03
			1,3,5-Trimethylbenzene	--	--	--	--	--	No observed effect	1.36E-02	8.46E-03	--	--	2.20E-02
			1,3-Dichlorobenzene	--	--	--	--	--	Liver/Thyroid	3.20E-01	1.63E-01	--	--	4.83E-01
			1,4-Dichlorobenzene	8.44E-07	3.45E-07	--	--	1.19E-06	GI Tract, Liver	1.37E-02	5.60E-03	--	--	1.93E-02
			2-Butanone	--	--	--	--	--	Developmental	7.56E-03	5.54E-05	--	--	7.62E-03
			2-Hexanone	--	--	--	--	--	CNS	1.60E-03	4.69E-05	--	--	1.65E-03
			2-Methylnaphthalene	--	--	--	--	--	Lungs	1.12E-02	1.05E-02	--	--	2.17E-02
			4-Methyl-2-pentanone	--	--	--	--	--	Whole Body	2.32E-02	6.07E-04	--	--	2.38E-02
			Acenaphthene	--	--	--	--	--	Liver	2.13E-03	1.87E-03	--	--	4.00E-03
			Acenaphthylene	--	--	--	--	--	Liver	2.13E-03	1.98E-03	--	--	4.11E-03
			Acetone	--	--	--	--	--	Kidney	1.17E-01	4.41E-04	--	--	1.18E-01
			Aluminum	--	--	--	--	--	CNS	6.31E-02	8.92E-04	--	--	6.40E-02
			Antimony	--	--	--	--	--	Whole body, Blood, Immune System	2.28E+00	1.64E-02	--	--	2.30E+00

TABLE F-3.3.4.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Arsenic	1.63E-04	2.07E-06	--	--	1.65E-04	Skin	4.22E+00	5.38E-02	--	--	4.27E+00
			Barium	--	--	--	--	--	Kidney	2.46E-01	9.36E-03	--	--	2.56E-01
			Benzene	4.79E-06	6.54E-07	--	--	5.44E-06	Blood	2.54E-01	3.47E-02	--	--	2.89E-01
			Benzo(a)anthracene	4.00E-07	2.50E-06	--	--	2.90E-06	--	--	--	--	--	--
			Benzo(a)pyrene	4.00E-06	3.27E-05	--	--	3.67E-05	--	--	--	--	--	--
			Beryllium	--	--	--	--	--	GI Tract	4.52E-02	2.81E-02	--	--	7.33E-02
			bis(2-ethylhexyl)phthalate	5.44E-07	--	--	--	5.44E-07	Liver	2.27E-02	2.95E-01	--	--	3.17E-01
			Bromodichloromethane	2.41E-06	7.99E-08	--	--	2.49E-06	Kidney	2.27E-02	7.52E-04	--	--	2.34E-02
			Cadmium	--	--	--	--	--	Kidney	2.05E+00	4.73E-03	--	--	2.05E+00
			Carbon disulfide	--	--	--	--	--	Developmental	4.81E-03	4.95E-04	--	--	5.31E-03
			Chlorobenzene	--	--	--	--	--	Liver	1.94E-02	5.22E-03	--	--	2.46E-02
			Chloroethane	1.96E-07	1.03E-08	--	--	2.07E-07	No observed effect	1.97E-03	1.04E-04	--	--	2.08E-03
			Chloroform	--	--	--	--	--	Liver	4.76E-02	2.80E-03	--	--	5.04E-02
			Chloromethane	--	--	--	--	--	Liver, Kidney, Spleen, CNS	1.78E-02	4.89E-04	--	--	1.83E-02
			Chromium	--	--	--	--	--	No observed effect	6.48E-03	4.27E-05	--	--	6.52E-03
			Chromium (VI)	--	--	--	--	--	No observed effect	1.01E+01	6.64E-02	--	--	1.01E+01
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	3.55E-01	3.49E-02	--	--	3.90E-01
			Cobalt	--	--	--	--	--	Blood	4.83E-02	3.86E-04	--	--	4.87E-02
			Copper	--	--	--	--	--	Gi Tract/Kidney	1.98E-02	4.01E-05	--	--	1.98E-02
			Cyanide	--	--	--	--	--	Thyroid, CNS	2.11E-01	1.21E-03	--	--	2.12E-01
			Ethylbenzene	--	--	--	--	--	Kidney, Liver	4.59E-03	2.24E-03	--	--	6.83E-03
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	2.88E-03	9.74E-03	--	--	1.26E-02
			Fluorene	--	--	--	--	--	Blood	1.60E-03	1.80E-03	--	--	3.40E-03
			Hexachlorobutadiene	1.71E-07	1.37E-07	--	--	3.07E-07	Kidney	8.52E-02	6.81E-02	--	--	1.53E-01
			Iron	--	--	--	--	--	--	3.62E+00	5.90E-03	--	--	3.62E+00
			Isopropylbenzene	--	--	--	--	--	Kidney	3.52E-03	3.25E-03	--	--	6.76E-03
			Lead	--	--	--	--	--	--	--	--	--	--	--
			m,p-Xylene	--	--	--	--	--	CNS/Whole Body	4.23E-03	2.24E-03	--	--	6.47E-03
			Manganese	--	--	--	--	--	CNS	2.64E+01	2.23E-01	--	--	2.66E+01
			Mercury	--	--	--	--	--	Immune System	9.38E-03	8.84E-04	--	--	1.03E-02
			Methylene chloride	4.07E-07	1.20E-08	--	--	4.19E-07	Liver	1.06E-02	3.11E-04	--	--	1.09E-02
			Methyl-T-Butyl-Ether	6.87E-08	1.17E-09	--	--	6.99E-08	Liver/Kidney/Periocular Tissue	5.18E-04	8.79E-06	--	--	5.27E-04
			Molybdenum	--	--	--	--	--	CNS	9.59E-01	4.56E-03	--	--	9.63E-01
			Naphthalene	2.20E-05	1.01E-05	--	--	3.21E-05	Whole Body	1.07E-01	4.90E-02	--	--	1.56E-01
			n-Butylbenzene	--	--	--	--	--	Kidney, Liver	3.84E-03	3.54E-03	--	--	7.38E-03
			Nickel	--	--	--	--	--	Whole Body	5.84E-01	3.17E-02	--	--	6.16E-01
			n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--
			o-Xylene	--	--	--	--	--	CNS/Whole Body	2.19E-03	1.02E-03	--	--	3.21E-03
			Phenanthrene	--	--	--	--	--	No observed effect	4.26E-04	6.44E-04	--	--	1.07E-03
			Phenol	--	--	--	--	--	Developmental	1.41E-03	5.13E-05	--	--	1.46E-03
			p-Isopropyltoluene	--	0.00E+00	--	--	0.00E+00	--	--	--	--	--	--
			Pyrene	--	--	--	--	--	Kidney	6.39E-03	1.37E-02	--	--	2.01E-02
			sec-Butylbenzene	--	--	--	--	--	Kidney	7.99E-04	--	--	--	7.99E-04
			Selenium	--	--	--	--	--	Whole Body	1.38E-01	2.74E-03	--	--	1.41E-01
			Silver	--	--	--	--	--	SKin	7.00E-02	7.04E-03	--	--	7.71E-02
			Tert-Butanol	--	--	--	--	--	--	--	--	--	--	--
			tert-Butylbenzene	--	--	--	--	--	Kidney	4.79E-04	4.43E-04	--	--	9.22E-04
			Tetrachloroethene	1.73E-05	5.49E-06	--	--	2.28E-05	Liver	3.74E-02	1.19E-02	--	--	4.92E-02
			Thallium	--	--	--	--	--	Liver, Blood	7.86E+00	5.19E-02	--	--	7.91E+00
			Toluene	--	--	--	--	--	Kidney, Liver	2.03E-03	6.07E-04	--	--	2.64E-03
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	3.71E-02	1.18E-02	--	--	4.89E-02
			Trichloroethene	2.19E-03	2.27E-04	--	--	2.42E-03	Liver, Kidney, Fetus	2.13E+02	2.21E+01	--	--	2.35E+02

TABLE F-9.3.4.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Vanadium	--	--	--	--	--	Kidney	2.61E-01	8.93E-02	--	--	3.50E-01
			Vinyl chloride	1.00E-04	7.47E-06	--	--	1.08E-04	Liver	5.41E-01	4.03E-02	--	--	5.81E-01
			Xylene (Total)	--	--	--	--	--	Whole Body	5.59E-03	2.96E-03	--	--	8.55E-03
			Zinc	--	--	--	--	--	Blood	3.19E-02	7.20E-05	--	--	3.20E-02
			Chemical Total	2.52E-03	2.89E-04	0.00E+00	0.00E+00	2.81E-03		2.77E+02	2.38E+01	0.00E+00	0.00E+00	3.01E+02
		Exposure Point Total						2.81E-03						3.01E+02
	Exposure Medium Total							2.81E-03						3.01E+02
	Air	Domestic Use of Groundwater	1,1,1-Trichloroethane	--	--	--	--	--	Liver, Brain	--	--	4.75E-04	--	4.75E-04
			1,1,2-Trichloroethane	--	--	6.81E-07	--	6.81E-07	Blood	--	--	3.55E-02	--	3.55E-02
			1,1-Dichlorethane	--	--	7.10E-07	--	7.10E-07	Kidney	--	--	1.04E-02	--	1.04E-02
			1,1-Dichlorethene	--	--	--	--	--	Liver	--	--	1.38E-01	--	1.38E-01
			1,2,4-Trimethylbenzene	--	--	--	--	--	CNS	--	--	8.93E-02	--	8.93E-02
			1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	3.15E-03	--	3.15E-03
			1,2-Dichlorethane	--	--	1.31E-06	--	1.31E-06	Liver	--	--	2.44E-04	--	2.44E-04
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	--	--	3.94E-01	--	3.94E-01
			1,2-Dichloropropane	--	--	7.82E-09	--	7.82E-09	--	--	--	1.22E-03	--	1.22E-03
			1,3,5-Trimethylbenzene	--	--	--	--	--	CNS	--	--	8.39E-02	--	8.39E-02
			1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	2.01E-03	--	2.01E-03
			1,4-Dichlorobenzene	--	--	1.62E-07	--	1.62E-07	Liver	--	--	3.77E-04	--	3.77E-04
			2-Butanone											
			2-Hexanone	--	--	--	--	--	CNS	--	--	3.12E-05	--	3.12E-05
			2-MethylNaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	4.53E-04	--	4.53E-04
			Acenaphthene	--	--	--	--	--	Liver	--	--	4.47E-04	--	4.47E-04
			Acenaphthylene	--	--	--	--	--	Liver	--	--	4.47E-04	--	4.47E-04
			Acetone	--	--	--	--	--	Kidney	--	--	2.47E-02	--	2.47E-02
			Benzene	--	--	4.94E-07	--	4.94E-07	Blood	--	--	2.49E-02	--	2.49E-02
			Bromodichloromethane	--	--	5.07E-07	--	5.07E-07	Kidney	--	--	4.77E-03	--	4.77E-03
			Carbon disulfide	--	--	--	--	--	CNS	--	--	5.05E-04	--	5.05E-04
			Chlorobenzene	--	--	--	--	--	Liver	--	--	4.76E-03	--	4.76E-03
			Chloroethane	--	--	4.12E-08	--	4.12E-08	Fetus	--	--	5.72E-05	--	5.72E-05
			Chloroform	--	--	6.89E-07	--	6.89E-07	--	--	--	7.14E-01	--	7.14E-01
			Chloromethane	--	--	--	--	--	CNS	--	--	3.79E-03	--	3.79E-03
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	7.45E-02	--	7.45E-02
			Cyanide	--	--	--	--	--	--	--	--	--	--	--
			Ethylbenzene	--	--	--	--	--	Developmental	--	--	3.38E-04	--	3.38E-04
			Fluorene	--	--	--	--	--	Blood	--	--	3.36E-04	--	3.36E-04
			Hexachlorobutadiene	--	--	3.59E-08	--	3.59E-08	Kidney	--	--	1.79E-02	--	1.79E-02
			Isopropylbenzene	--	--	--	--	--	Kidney	--	--	6.71E-04	--	6.71E-04
			m,p-Xylene	--	--	--	--	--	CNS	--	--	6.22E-03	--	6.22E-03
			Methylene Chloride	--	--	1.87E-08	--	1.87E-08	Liver	--	--	1.55E-04	--	1.55E-04
			Methyl-T-Butyl-ether	--	--	7.30E-09	--	7.30E-09	Liver/Kidney/ Periocular Tissue	--	--	1.09E-04	--	1.09E-04
			Naphthalene	--	--	4.62E-06	--	4.62E-06	Nasal Epithelium	--	--	5.24E-01	--	5.24E-01
			n-Butylbenzene	--	--	--	--	--	--	--	--	2.82E-03	--	2.82E-03
			n-propylbenzene	--	--	--	--	--	--	--	--	4.10E-03	--	4.10E-03

TABLE F-9.3.4.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Air (continued)	Domestic Use of Groundwater (continued)	o-Xylene	--	--	--	--	--	CNS	--	--	3.22E-03	--	3.22E-03
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	8.95E-05	--	8.95E-05
			Pyrene	--	--	--	--	--	Kidney	--	--	1.34E-03	--	1.34E-03
			sec-Butylbenzene	--	--	--	--	--	--	--	--	5.87E-04	--	5.87E-04
			tert-Butylbenzene	--	--	--	--	--	--	--	--	3.52E-04	--	3.52E-04
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	7.79E-03	--	7.79E-03
			Tetrachloroethene	--	--	1.41E-07	--	1.41E-07	CNS	--	--	4.58E-04	--	4.58E-04
			Toluene	--	--	--	--	--	CNS	--	--	7.46E-04	--	7.46E-04
			Trichloroethene	--	--	4.60E-04	--	4.60E-04	CNS/Liver/Endocrine System	--	--	1.34E+00	--	1.34E+00
			Vinyl chloride	--	--	9.05E-07	--	9.05E-07	Liver	--	--	1.19E-02	--	1.19E-02
			Xylene (Total)	--	--	--	--	--	CNS	--	--	8.22E-03	--	8.22E-03
			Chemical Total	0.00E+00	0.00E+00	4.71E-04	0.00E+00	4.71E-04		0.00E+00	0.00E+00	3.55E+00	0.00E+00	3.55E+00
		Exposure Point Total						4.71E-04						3.55E+00
	Exposure Medium Total							4.71E-04						3.55E+00
	Groundwater Vapor Intrusion Indoor Air	Indoor Air (inhalation)	1,1,1-Trichloroethane	--	--	--	--	--	Liver, Brain	--	--	2.06E-03	--	2.06E-03
			1,1,2-Trichloroethane	--	--	1.42E-07	--	1.42E-07	Blood	--	--	7.39E-03	--	7.39E-03
			1,1-Dichlorethane	--	--	9.95E-07	--	9.95E-07	Kidney	--	--	1.45E-02	--	1.45E-02
			1,1-Dichlorethene	--	--	--	--	--	Liver	--	--	1.12E+00	--	1.12E+00
			1,2,4-Trimethylbenzene	--	--	--	--	--	CNS	--	--	8.85E-02	--	8.85E-02
			1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	1.07E-03	--	1.07E-03
			1,2-Dichlorethane	--	--	3.87E-07	--	3.87E-07	Liver	--	--	7.24E-05	--	7.24E-05
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	--	--	3.92E-01	--	3.92E-01
			1,2-Dichloropropane	--	--	5.28E-09	--	5.28E-09	--	--	--	8.24E-04	--	8.24E-04
			1,3,5-Trimethylbenzene	--	--	--	--	--	CNS	--	--	7.90E-02	--	7.90E-02
			1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	1.16E-03	--	1.16E-03
			1,4-Dichlorobenzene	--	--	7.19E-08	--	7.19E-08	Liver	--	--	1.67E-04	--	1.67E-04
			2-Butanone	--	--	--	--	--	Developmental	--	--	1.06E-05	--	1.06E-05
			2-Hexanone	--	--	--	--	--	CNS	--	--	9.83E-07	--	9.83E-07
			2-MethylNaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	1.43E-05	--	1.43E-05
			Acenaphthene	--	--	--	--	--	Liver	--	--	7.00E-06	--	7.00E-06
			Acenaphthylene	--	--	--	--	--	Liver	--	--	7.00E-06	--	7.00E-06
			Acetone	--	--	--	--	--	Kidney	--	--	3.90E-04	--	3.90E-04
			Benzene	--	--	7.47E-07	--	7.47E-07	Blood	--	--	3.77E-02	--	3.77E-02
			Bromodichloromethane	--	--	8.74E-08	--	8.74E-08	Kidney	--	--	8.23E-04	--	8.23E-04
			Carbon disulfide	--	--	--	--	--	CNS	--	--	5.18E-03	--	5.18E-03
			Chlorobenzene	--	--	--	--	--	Liver	--	--	3.72E-03	--	3.72E-03
			Chloroethane	--	--	2.35E-07	--	2.35E-07	Fetus	--	--	3.26E-04	--	3.26E-04
			Chloroform	--	--	8.10E-07	--	8.10E-07	--	--	--	8.39E-01	--	8.39E-01
			Chloromethane	--	--	--	--	--	CNS	--	--	1.47E-02	--	1.47E-02
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	7.41E-02	--	7.41E-02
			Cyanide	--	--	--	--	--	--	--	--	--	--	--
			Ethylbenzene	--	--	--	--	--	Developmental	--	--	5.60E-04	--	5.60E-04
			Fluorene	--	--	--	--	--	Blood	--	--	2.16E-06	--	2.16E-06

TABLE F-9.3.4.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater Vapor Intrusion Indoor Air (continued)	Indoor Air (Inhalation) (continued)	Hexachlorobutadiene	--	--	4.12E-08	--	4.12E-08	Kidney	--	--	2.06E-02	--	2.06E-02
			Isopropylbenzene	--	--	--	--	--	Kidney	--	--	1.24E-01	--	1.24E-01
			m,p-Xylene	--	--	--	--	--	CNS	--	--	1.02E-02	--	1.02E-02
			Methylene Chloride	--	--	1.33E-08	--	1.33E-08	Liver	--	--	1.10E-04	--	1.10E-04
			Methyl-T-Butyl-ether	--	--	1.49E-09	--	1.49E-09	Liver/Kidney/ Periocular Tissue	--	--	2.22E-05	--	2.22E-05
			Naphthalene	--	--	3.33E-07	--	3.33E-07	Nasal Epithelium	--	--	3.78E-02	--	3.78E-02
			n-Butylbenzene	--	--	--	--	--	--	--	--	5.61E-03	--	5.61E-03
			n-propylbenzene	--	--	--	--	--	--	--	--	7.15E-03	--	7.15E-03
			o-Xylene	--	--	--	--	--	CNS	--	--	3.90E-03	--	3.90E-03
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	3.77E-07	--	3.77E-07
			Pyrene	--	--	--	--	--	Kidney	--	--	1.45E-06	--	1.45E-06
			sec-Butylbenzene	--	--	--	--	--	--	--	--	3.10E-06	--	3.10E-06
			tert-Butylbenzene	--	--	--	--	--	--	--	--	7.32E-04	--	7.32E-04
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	3.04E-02	--	3.04E-02
			Tetrachloroethene	--	--	5.51E-07	--	5.51E-07	CNS	--	--	1.78E-03	--	1.78E-03
			Toluene	--	--	--	--	--	CNS	--	--	1.25E-03	--	1.25E-03
			Trichloroethene	--	--	1.16E-03	--	1.16E-03	CNS/Liver/Endocrine System	--	--	3.37E+00	--	3.37E+00
			Vinyl chloride	--	--	9.37E-06	--	9.37E-06	Liver	--	--	1.23E-01	--	1.23E-01
			Xylene (Total)	--	--	--	--	--	CNS	--	--	1.35E-02	--	1.35E-02
			Chemical Total	0.00E+00	0.00E+00	1.17E-03	0.00E+00	1.17E-03		0.00E+00	0.00E+00	6.43E+00	0.00E+00	6.43E+00
		Exposure Point Total						1.17E-03						6.43E+00
	Exposure Medium Total							1.17E-03						6.43E+00
Medium Total								4.45E-03						3.11E+02
Receptor Total							Receptor Risk Total	4.48E-03					Receptor HI Total	3.14E+02

TABLE [illegible].4.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
									Total Organ 1 (Liver) HI Across All Media =					2.51E+02
									Total Organ 2 (Kidney) HI Across All Media =					2.40E+02
									Total Organ 3 (Fetus) HI Across All Media =					2.36E+02
									Total Organ 4 (Nervous System) HI Across All Media =					3.33E+01
									Total Organ 5 (Endocrine system) HI Across All Media =					4.08E+00
									Total Organ 6 (Blood) HI Across All Media =					1.46E+01
									Total Organ 7 (Skin) HI Across All Media =					4.50E+00
									Total Organ 8 (No Observed Effect) HI Across All Media =					1.03E+01
									Total Organ 9 (Unknown Systems) HI Across All Media =					5.18E+00
									Total Organ 10 (Gastrointestinal System) HI Across All Media =					1.32E-01
									Total Organ 11 (Vision/Eye) HI Across All Media =					7.58E-01
									Total Organ 12 (Body Weight) HI Across All Media =					NA
									Total Organ 13 (Developmental) HI Across All Media =					1.40E-02
									Total Organ 13 (Respiratory/lung) HI Across All Media =					2.63E-02
									Total Organ 13 (whole body) HI Across All Media =					3.36E+00
									Total Organ 13 (Immune System) HI Across All Media =					2.39E+00
									Total Organ 13 (Reproductive System) HI Across All Media =					NA
									Total Organ 13 (Finger and Toe Nail) HI Across All Media =					2.33E-01
									Total Organ 13 (Nasal Tissue) HI Across All Media =					4.12E-02
									Total Organ 13 (Fetus) HI Across All Media =					2.36E+02

Notes:

--	Not applicable or not available
COPC	Chemicals of Potential Concern
CNS	Central nervous system
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
GI	Gastrointestinal
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile organic compound

TABLE F-9.3.5.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs)	Soil	Site Soil	2,4-Dimethylphenol	--	--	--	--	--	Brain/Body Systems	1.86E-06	1.23E-07	--	--	1.98E-06
			2-Methylnaphthalene	--	--	--	--	--	Lungs	8.00E-06	5.28E-07	--	--	8.53E-06
			4-Methyl-2-pentanone	--	--	--	--	--	Whole Body	4.18E-05	2.76E-06	--	--	4.46E-05
			Acenaphthene	--	--	--	--	--	Liver	2.45E-06	2.10E-06	--	--	4.55E-06
			Acenaphthylene	--	--	--	--	--	Liver	2.65E-07	1.75E-08	--	--	2.82E-07
			Aluminum	--	--	--	--	--	CNS	6.73E-03	4.44E-05	--	--	6.77E-03
			Anthracene	--	--	--	--	--	No observed effect	1.33E-06	1.14E-06	--	--	2.47E-06
			Antimony	--	--	--	--	--	Whole body, Blood, Immune System	6.36E-03	4.20E-05	--	--	6.40E-03
			Aroclor-1254	2.10E-08	1.94E-08	--	--	4.03E-08	Eye/Finger and Toe nails	1.47E-03	1.36E-03	--	--	2.82E-03
			Aroclor-1260	1.40E-07	1.30E-07	--	--	2.70E-07	Eye/Finger and Toe nails	9.82E-03	9.07E-03	--	--	1.89E-02
			Arsenic	1.31E-06	2.60E-07	--	--	1.57E-06	Skin	8.17E-03	1.62E-03	--	--	9.79E-03
			Barium	--	--	--	--	--	Kidney	5.72E-04	5.39E-05	--	--	6.26E-04
			Benzene	2.31E-11	1.52E-12	--	--	2.46E-11	Blood	2.94E-07	1.94E-08	--	--	3.13E-07
			Benzo(a)anthracene	4.16E-07	3.57E-07	--	--	7.73E-07	--	--	--	--	--	--
			Benzo(a)pyrene	1.97E-06	1.69E-06	--	--	3.66E-06	--	--	--	--	--	--
			Benzo(b)fluoranthene	3.68E-07	3.16E-07	--	--	6.84E-07	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	9.25E-06	7.94E-06	--	--	1.72E-05
			Benzo(k)fluoranthene	8.90E-09	7.64E-09	--	--	1.65E-08	--	--	--	--	--	--
			Beryllium	--	--	--	--	--	GI Tract	9.78E-04	9.23E-04	--	--	1.90E-03
			bis(2-ethylhexyl)phthalate	1.38E-09	--	--	--	1.38E-09	Liver	1.38E-05	9.08E-07	--	--	1.47E-05
			Cadmium	--	--	--	--	--	Kidney	7.31E-03	4.83E-05	--	--	7.36E-03
			Carbazole	5.45E-09	3.60E-10	--	--	5.81E-09	--	--	--	--	--	--
			Carbon disulfide	--	--	--	--	--	Developmental	4.89E-08	8.07E-08	--	--	1.30E-07
			Chlorobenzene	--	--	--	--	--	Liver	9.78E-08	6.46E-09	--	--	1.04E-07
			Chloroform	--	--	--	--	--	Liver	1.96E-07	1.29E-08	--	--	2.09E-07
			Chromium	--	--	--	--	--	No observed effect	2.32E-05	1.53E-07	--	--	2.33E-05
			Chrysene	3.49E-09	2.99E-09	--	--	6.48E-09	--	--	--	--	--	--
			Cobalt	--	--	--	--	--	Blood	3.77E-04	2.49E-06	--	--	3.79E-04
			Copper	--	--	--	--	--	Gi Tract/Kidney	4.65E-04	3.07E-06	--	--	4.68E-04
			Dibenzo(a,h)anthracene	2.64E-07	2.27E-07	--	--	4.91E-07	--	--	--	--	--	--
			Dibenzofuran	--	--	--	--	--	Kidney	8.32E-05	5.49E-06	--	--	8.87E-05
			di-n-Butylphthalate	--	--	--	--	--	Whole Body	9.00E-07	5.94E-10	--	--	9.01E-07
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	1.18E-04	1.02E-04	--	--	2.20E-04
			Fluorene	--	--	--	--	--	Blood	4.66E-06	4.00E-06	--	--	8.65E-06
			Indeno(1,2,3-cd)pyrene	6.12E-08	5.25E-08	--	--	1.14E-07	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	4.05E-02	2.67E-04	--	--	4.08E-02
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	8.05E-03	5.31E-05	--	--	8.10E-03
			Mercury	--	--	--	--	--	Immune System	2.05E-03	--	--	--	2.05E-03
			Methylene chloride	6.55E-11	4.32E-12	--	--	6.98E-11	Liver	4.08E-07	2.69E-08	--	--	4.35E-07
			Methyl-T-Butyl-Ether	4.53E-11	2.99E-12	--	--	4.83E-11	Liver/Kidney/Periocular Tissue	8.19E-08	5.41E-09	--	--	8.73E-08
			Molybdenum	--	--	--	--	--	CNS	1.70E-04	1.12E-06	--	--	1.71E-04

TABLE F-5.3.5.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Naphthalene	1.81E-09	1.55E-09	--	--	3.36E-09	Whole Body	2.11E-06	1.81E-06	--	--	3.92E-06
			Nickel	--	--	--	--	--	Whole Body	1.95E-03	3.22E-04	--	--	2.28E-03
			Phenanthrene	--	--	--	--	--	No observed effect	6.24E-06	4.12E-07	--	--	6.66E-06
			Pyrene	--	--	--	--	--	Kidney	7.24E-05	6.22E-05	--	--	1.35E-04
			Selenium	--	--	--	--	--	Whole Body	5.64E-05	1.24E-06	--	--	5.77E-05
			Silver	--	--	--	--	--	SKin	3.52E-04	5.81E-05	--	--	4.10E-04
			Thallium	--	--	--	--	--	Liver, Blood	6.95E-03	--	--	--	6.95E-03
			Vanadium	--	--	--	--	--	Kidney	3.77E-03	9.57E-04	--	--	4.73E-03
			Xylene (Total)	--	--	--	--	--	Whole Body	9.78E-09	6.46E-10	--	--	1.04E-08
			Zinc	--	--	--	--	--	Blood	1.40E-04	9.25E-07	--	--	1.41E-04
			Chemical Total	4.57E-06	3.06E-06	0.00E+00	0.00E+00	7.64E-06		1.07E-01	1.50E-02	0.00E+00	0.00E+00	1.22E-01
		Exposure Point Total						7.64E-06						1.22E-01
	Medium Total							7.64E-06						1.22E-01
	Air	Outdoor Air (Particulates and VOCs)	2,4-Dimethylphenol	--	--	--	--	--	--	--	--	2.82E-10	--	2.82E-10
			2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	3.11E-05	--	3.11E-05
			Acenaphthene	--	--	--	--	--	Liver	--	--	2.72E-06	--	2.72E-06
			Acenaphthylene	--	--	--	--	--	Liver	--	--	2.94E-07	--	2.94E-07
			Aluminum	--	--	--	--	--	Respiratory system	--	--	7.13E-04	--	7.13E-04
			Anthracene	--	--	--	--	--	No observed effect	--	--	3.80E-07	--	3.80E-07
			Antimony	--	--	--	--	--	--	--	--	--	--	--
			Aroclor-1254	--	--	3.18E-12	--	3.18E-12	Immune System/ Eye/Finger and Toe nails	--	--	2.22E-07	--	2.22E-07
			Aroclor-1260	--	--	2.12E-11	--	2.12E-11	Immune System/ Eye/Finger and Toe nails	--	--	1.49E-06	--	1.49E-06
			Arsenic	--	--	1.99E-09	--	1.99E-09	--	--	--	--	--	--
			Barium	--	--	--	--	--	Developmental	--	--	4.33E-05	--	4.33E-05
			Benzene	--	--	8.39E-10	--	8.39E-10	Blood	--	--	1.01E-05	--	1.01E-05
			Benzo(a)anthracene	--	--	6.30E-11	--	6.30E-11	--	--	--	--	--	--
			Benzo(a)pyrene	--	--	2.99E-10	--	2.99E-10	--	--	--	--	--	--
			Benzo(b)fluoranthene	--	--	5.57E-11	--	5.57E-11	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	--	--	1.40E-09	--	1.40E-09
			Benzo(k)fluoranthene	--	--	1.35E-12	--	1.35E-12	--	--	--	--	--	--
			Beryllium	--	--	8.90E-10	--	8.90E-10	Immune System/Lung	--	--	5.19E-05	--	5.19E-05
			bis(2-ethylhexyl)phthalate	--	--	2.09E-13	--	2.09E-13	--	--	--	1.90E-09	--	1.90E-09
			Cadmium	--	--	1.25E-09	--	1.25E-09	--	--	--	--	--	--
			Carbazole	--	--	8.26E-13	--	8.26E-13	--	--	--	--	--	--
			Carbon disulfide	--	--	--	--	--	CNS	--	--	4.08E-06	--	4.08E-06
			Chlorobenzene	--	--	--	--	--	Liver	--	--	3.62E-06	--	3.62E-06
			Chloroform	--	--	4.17E-09	--	4.17E-09	--	--	--	1.04E-03	--	1.04E-03
			Chromium	--	--	--	--	--	--	--	--	--	--	--
			Chrysene	--	--	5.28E-13	--	5.28E-13	--	--	--	--	--	--
			Cobalt	--	--	4.00E-09	--	4.00E-09	Respiratory system	--	--	2.00E-04	--	2.00E-04
			Copper	--	--	--	--	--	--	--	--	--	--	--
			Dibenzo(a,h)anthracene	--	--	4.01E-11	--	4.01E-11	--	--	--	--	--	--

TABLE F-9.3.5.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs) (continued)	Air (continued)	Outdoor Air (Particulates and VOCs) (continued)	Dibenzofuran	--	--	--	--	--	Kidney	--	--	2.56E-05	--	2.56E-05
			di-n-Butylphthalate	--	--	--	--	--	--	--	--	--	--	--
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	--	--	1.79E-08	--	1.79E-08
			Fluorene	--	--	--	--	--	Blood	--	--	2.59E-06	--	2.59E-06
			Indeno(1,2,3-cd)pyrene	--	--	9.28E-12	--	9.28E-12	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	--	--	--	--	--
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	--	--	2.05E-03	--	2.05E-03
			Mercury	--	--	--	--	--	--	--	--	--	--	--
			Methylene chloride	--	--	1.15E-09	--	1.15E-09	Liver	--	--	2.29E-06	--	2.29E-06
			Methyl-T-Butyl-Ether	--	--	9.74E-10	--	9.74E-10	Liver/Kidney/ Periocular Tissue	--	--	3.50E-06	--	3.50E-06
			Molybdenum	--	--	--	--	--	--	--	--	--	--	--
			Naphthalene	--	--	8.42E-09	--	8.42E-09	Nasal Epithelium	--	--	2.29E-04	--	2.29E-04
			Nickel	--	--	--	--	--	Respiratory system	--	--	1.04E-04	--	1.04E-04
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	8.35E-07	--	8.35E-07
			Pyrene	--	--	--	--	--	Kidney	--	--	3.81E-06	--	3.81E-06
			Selenium	--	--	--	--	--	--	--	--	--	--	--
			Silver	--	--	--	--	--	--	--	--	--	--	--
			Thallium	--	--	--	--	--	--	--	--	--	--	--
			Vanadium	--	--	--	--	--	--	--	--	--	--	--
			Xylene (Total)	--	--	--	--	--	CNS	--	--	2.25E-06	--	2.25E-06
			Zinc	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	2.42E-08	0.00E+00	2.42E-08		0.00E+00	0.00E+00	4.52E-03	0.00E+00	4.52E-03
		Exposure Point Total						2.42E-08						4.52E-03
	Medium Total							2.42E-08						4.52E-03
Medium Total								7.66E-06						1.26E-01
Groundwater	Groundwater Vapor Intrusion Indoor Air	Indoor Air (inhalation)	1,1,1-Trichloroethane	--	--	--	--	--	Liver, Brain	--	--	6.26E-05	--	6.26E-05
			1,1,2-Trichloroethane	--	--	1.79E-08	--	1.79E-08	Blood	--	--	2.24E-04	--	2.24E-04
			1,1-Dichlorethane	--	--	1.26E-07	--	1.26E-07	Kidney	--	--	4.42E-04	--	4.42E-04
			1,1-Dichlorethene	--	--	--	--	--	Liver	--	--	3.40E-02	--	3.40E-02
			1,2,4-Trimethylbenzene	--	--	--	--	--	CNS	--	--	2.69E-03	--	2.69E-03
			1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	3.26E-05	--	3.26E-05
			1,2-Dichlorethane	--	--	4.90E-08	--	4.90E-08	Liver	--	--	2.20E-06	--	2.20E-06
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	--	--	1.19E-02	--	1.19E-02
			1,2-Dichloropropane	--	--	6.68E-10	--	6.68E-10	--	--	--	2.50E-05	--	2.50E-05
			1,3,5-Trimethylbenzene	--	--	--	--	--	CNS	--	--	2.40E-03	--	2.40E-03
			1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	3.51E-05	--	3.51E-05
			1,4-Dichlorobenzene	--	--	9.10E-09	--	9.10E-09	Liver	--	--	5.07E-06	--	5.07E-06
			2-Butanone	--	--	--	--	--	Developmental	--	--	3.22E-07	--	3.22E-07
			2-Hexanone	--	--	--	--	--	CNS	--	--	2.99E-08	--	2.99E-08
			2-MethylNaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	4.33E-07	--	4.33E-07
			Acenaphthene	--	--	--	--	--	Liver	--	--	2.13E-07	--	2.13E-07
			Acenaphthylene	--	--	--	--	--	Liver	--	--	2.13E-07	--	2.13E-07
			Acetone	--	--	--	--	--	Kidney	--	--	1.18E-05	--	1.18E-05

TABLE F-9.3.5.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater Vapor Intrusion Indoor Air (continued)	Indoor Air (inhalation) (continued)	Benzene	--	--	9.45E-08	--	9.45E-08	Blood	--	--	1.14E-03	--	1.14E-03
			Bromodichloromethane	--	--	1.11E-08	--	1.11E-08	Kidney	--	--	2.50E-05	--	2.50E-05
			Carbon disulfide	--	--	--	--	--	CNS	--	--	1.57E-04	--	1.57E-04
			Chlorobenzene	--	--	--	--	--	Liver	--	--	1.13E-04	--	1.13E-04
			Chloroethane	--	--	2.98E-08	--	2.98E-08	Fetus	--	--	9.91E-06	--	9.91E-06
			Chloroform	--	--	1.03E-07	--	1.03E-07	--	--	--	2.55E-02	--	2.55E-02
			Chloromethane	--	--	--	--	--	CNS	--	--	4.47E-04	--	4.47E-04
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	2.25E-03	--	2.25E-03
			Cyanide	--	--	--	--	--	--	--	--	--	--	--
			Ethylbenzene	--	--	--	--	--	Developmental	--	--	1.70E-05	--	1.70E-05
			Fluorene	--	--	--	--	--	Blood	--	--	6.56E-08	--	6.56E-08
			Hexachlorobutadiene	--	--	5.22E-09	--	5.22E-09	Kidney	--	--	6.24E-04	--	6.24E-04
			Isopropylbenzene	--	--	--	--	--	Kidney	--	--	3.78E-03	--	3.78E-03
			m,p-Xylene	--	--	--	--	--	CNS	--	--	3.09E-04	--	3.09E-04
			Methylene Chloride	--	--	1.69E-09	--	1.69E-09	Liver	--	--	3.35E-06	--	3.35E-06
			Methyl-T-Butyl-ether	--	--	1.88E-10	--	1.88E-10	Liver/Kidney/ Periocular Tissue	--	--	6.75E-07	--	6.75E-07
			Naphthalene	--	--	4.22E-08	--	4.22E-08	Nasal Epithelium	--	--	1.15E-03	--	1.15E-03
			n-Butylbenzene	--	--	--	--	--	--	--	--	1.70E-04	--	1.70E-04
			n-propylbenzene	--	--	--	--	--	--	--	--	2.17E-04	--	2.17E-04
			o-Xylene	--	--	--	--	--	CNS	--	--	1.18E-04	--	1.18E-04
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	1.14E-08	--	1.14E-08
			sec-Butylbenzene	--	--	--	--	--	--	--	--	9.42E-08	--	9.42E-08
			tert-Butylbenzene	--	--	--	--	--	--	--	--	2.22E-05	--	2.22E-05
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	9.23E-04	--	9.23E-04
			Tetrachloroethene	--	--	6.97E-08	--	6.97E-08	CNS	--	--	5.42E-05	--	5.42E-05
			Toluene	--	--	--	--	--	CNS	--	--	3.80E-05	--	3.80E-05
			Trichloroethene	--	--	1.46E-04	--	1.46E-04	CNS/Liver/Endocrine System	--	--	1.02E-01	--	1.02E-01
			Vinyl chloride	--	--	6.12E-07	--	6.12E-07	Liver	--	--	3.75E-03	--	3.75E-03
			Xylene (Total)	--	--	--	--	--	CNS	--	--	4.09E-04	--	4.09E-04
			Chemical Total	0.00E+00	0.00E+00	1.47E-04	0.00E+00	1.47E-04		0.00E+00	0.00E+00	1.95E-01	0.00E+00	1.95E-01
		Exposure Point Total						1.47E-04						1.95E-01
	Exposure Medium Total							1.47E-04						1.95E-01
Medium Total								1.47E-04						1.95E-01
Receptor Total							Receptor Risk Total	1.55E-04					Receptor HI Total	3.22E-01

TABLE F-9.3.5.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
									Total Organ 1 (Liver) HI Across All Media =					1.47E-01
									Total Organ 2 (Kidney) HI Across All Media =					1.86E-02
									Total Organ 3 (Fetus) HI Across All Media =					9.91E-06
									Total Organ 4 (Nervous System) HI Across All Media =					1.26E-01
									Total Organ 5 (Endocrine system) HI Across All Media =					1.02E-01
									Total Organ 6 (Blood) HI Across All Media =					3.05E-02
									Total Organ 7 (Skin) HI Across All Media =					1.02E-02
									Total Organ 8 (No Observed Effect) HI Across All Media =					1.52E-04
									Total Organ 9 (Unknown Systems) HI Across All Media =					6.78E-02
									Total Organ 10 (Gastrointestinal System) HI Across All Media =					2.37E-03
									Total Organ 11 (Vision/Eye) HI Across All Media =					2.17E-02
									Total Organ 12 (Body Weight) HI Across All Media =					NA
									Total Organ 13 (Developmental) HI Across All Media =					6.08E-05
									Total Organ 13 (Respiratory/lung) HI Across All Media =					1.02E-03
									Total Organ 13 (whole body) HI Across All Media =					8.78E-03
									Total Organ 13 (Immune System) HI Across All Media =					8.51E-03
									Total Organ 13 (Reproductive System) HI Across All Media =					NA
									Total Organ 13 (Finger and Toe Nail) HI Across All Media =					2.17E-02
									Total Organ 13 (Nasal Tissue) HI Across All Media =					1.38E-03
									Total Organ 13 (Fetus) HI Across All Media =					9.91E-06

Notes:

--	Not applicable or not available
COPC	Chemicals of Potential Concern
CNS	Central nervous system
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
GI	Gastrointestinal
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile Organic Compound

TABLE [illegible].6.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs)	Soil	Site Soil	2,4-Dimethylphenol	--	--	--	--	--	Brain/Body Systems	6.14E-06	1.84E-07	--	--	6.32E-06
			2-Methylnaphthalene	--	--	--	--	--	Lungs	2.64E-05	7.92E-07	--	--	2.72E-05
			4-Methyl-2-pentanone	--	--	--	--	--	Whole Body	1.38E-04	4.14E-06	--	--	1.42E-04
			Acenaphthene	--	--	--	--	--	Liver	8.08E-06	3.15E-06	--	--	1.12E-05
			Acenaphthylene	--	--	--	--	--	Liver	8.73E-07	2.62E-08	--	--	8.99E-07
			Aluminum	--	--	--	--	--	CNS	2.22E-02	6.66E-05	--	--	2.23E-02
			Anthracene	--	--	--	--	--	No observed effect	4.39E-06	1.71E-06	--	--	6.10E-06
			Antimony	--	--	--	--	--	Whole body, Blood, Immune System	2.10E-02	6.30E-05	--	--	2.11E-02
			Aroclor-1254	2.77E-09	1.16E-09	--	--	3.93E-09	Eye/Finger and Toe nails	4.84E-03	2.03E-03	--	--	6.88E-03
			Aroclor-1260	1.85E-08	7.77E-09	--	--	2.63E-08	Eye/Finger and Toe nails	3.24E-02	1.36E-02	--	--	4.60E-02
			Arsenic	1.73E-07	1.56E-08	--	--	1.89E-07	Skin	2.70E-02	2.43E-03	--	--	2.94E-02
			Barium	--	--	--	--	--	Kidney	1.89E-03	8.09E-05	--	--	1.97E-03
			Benzene	3.04E-12	9.13E-14	--	--	3.14E-12	Blood	9.69E-07	2.91E-08	--	--	9.98E-07
			Benzo(a)anthracene	5.49E-08	2.14E-08	--	--	7.63E-08	--	--	--	--	--	--
			Benzo(a)pyrene	2.60E-07	1.01E-07	--	--	3.61E-07	--	--	--	--	--	--
			Benzo(b)fluoranthene	4.86E-08	1.89E-08	--	--	6.75E-08	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	3.05E-05	1.19E-05	--	--	4.24E-05
			Benzo(k)fluoranthene	1.18E-09	4.58E-10	--	--	1.63E-09	--	--	--	--	--	--
			Beryllium	--	--	--	--	--	GI Tract	3.23E-03	1.38E-03	--	--	4.61E-03
			bis(2-ethylhexyl)phthalate	1.82E-10	--	--	--	1.82E-10	Liver	4.54E-05	1.36E-06	--	--	4.68E-05
			Cadmium	--	--	--	--	--	Kidney	2.41E-02	7.24E-05	--	--	2.42E-02
			Carbazole	7.19E-10	2.16E-11	--	--	7.41E-10	--	--	--	--	--	--
			Carbon disulfide	--	--	--	--	--	Developmental	1.61E-07	1.21E-07	--	--	2.83E-07
			Chlorobenzene	--	--	--	--	--	Liver	3.23E-07	9.69E-09	--	--	3.33E-07
			Chloroform	--	--	--	--	--	Liver	6.46E-07	1.94E-08	--	--	6.65E-07
			Chromium	--	--	--	--	--	No observed effect	7.65E-05	2.29E-07	--	--	7.67E-05
			Chrysene	4.60E-10	1.80E-10	--	--	6.40E-10	--	--	--	--	--	--
			Cobalt	--	--	--	--	--	Blood	1.24E-03	3.73E-06	--	--	1.25E-03
			Copper	--	--	--	--	--	Gi Tract/Kidney	1.53E-03	4.60E-06	--	--	1.54E-03
			Dibenzo(a,h)anthracene	3.49E-08	1.36E-08	--	--	4.85E-08	--	--	--	--	--	--
			Dibenzofuran	--	--	--	--	--	Kidney	2.74E-04	8.23E-06	--	--	2.83E-04
			di-n-Butylphthalate	--	--	--	--	--	Whole Body	2.97E-06	8.91E-10	--	--	2.97E-06
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	3.91E-04	1.52E-04	--	--	5.43E-04
			Fluorene	--	--	--	--	--	Blood	1.54E-05	5.99E-06	--	--	2.14E-05
			Indeno(1,2,3-cd)pyrene	8.08E-09	3.15E-09	--	--	1.12E-08	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	1.34E-01	4.01E-04	--	--	1.34E-01
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	2.66E-02	7.97E-05	--	--	2.66E-02
			Mercury	--	--	--	--	--	Immune System	6.78E-03	--	--	--	6.78E-03
			Methylene chloride	8.65E-12	2.59E-13	--	--	8.91E-12	Liver	1.35E-06	4.04E-08	--	--	1.39E-06
			Methyl-T-Butyl-Ether	5.98E-12	1.79E-13	--	--	6.16E-12	Liver/Kidney/Periocular Tissue	2.70E-07	8.11E-09	--	--	2.78E-07
			Molybdenum	--	--	--	--	--	CNS	5.62E-04	1.69E-06	--	--	5.64E-04
			Naphthalene	2.39E-10	9.32E-11	--	--	3.32E-10	Whole Body	6.97E-06	2.72E-06	--	--	9.69E-06
			Nickel	--	--	--	--	--	Whole Body	6.45E-03	4.84E-04	--	--	6.93E-03
			Phenanthrene	--	--	--	--	--	No observed effect	2.06E-05	6.18E-07	--	--	2.12E-05
			Pyrene	--	--	--	--	--	Kidney	2.39E-04	9.32E-05	--	--	3.32E-04
			Selenium	--	--	--	--	--	Whole Body	1.86E-04	1.86E-06	--	--	1.88E-04
			Silver	--	--	--	--	--	SKin	1.16E-03	8.72E-05	--	--	1.25E-03
			Thallium	--	--	--	--	--	Liver, Blood	2.29E-02	--	--	--	2.29E-02

TABLE F-9.3.6.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Vanadium	--	--	--	--	--	Kidney	1.24E-02	1.44E-03	--	--	1.39E-02
			Xylene (Total)	--	--	--	--	--	Whole Body	3.23E-08	9.69E-10	--	--	3.33E-08
			Zinc	--	--	--	--	--	Blood	4.63E-04	1.39E-06	--	--	4.64E-04
			Chemical Total	6.04E-07	1.84E-07	0.00E+00	0.00E+00	7.88E-07		3.52E-01	2.25E-02	0.00E+00	0.00E+00	3.74E-01
		Exposure Point Total						7.88E-07						3.74E-01
	Exposure Medium Total							7.88E-07						3.74E-01
	Air	Outdoor Air (Particulates and VOCs)	2,4-Dimethylphenol	--	--	--	--	--	--	--	--	2.82E-10	--	2.82E-10
			2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	3.11E-05	--	3.11E-05
			Acenaphthene	--	--	--	--	--	Liver	--	--	2.72E-06	--	2.72E-06
			Acenaphthylene	--	--	--	--	--	Liver	--	--	2.94E-07	--	2.94E-07
			Aluminum	--	--	--	--	--	Respiratory system	--	--	7.13E-04	--	7.13E-04
			Anthracene	--	--	--	--	--	No observed effect	--	--	3.80E-07	--	3.80E-07
			Antimony	--	--	--	--	--	--	--	--	--	--	--
			Aroclor-1254	--	--	1.27E-13	--	1.27E-13	Immune System/ Eye/Finger and Toe nails	--	--	2.22E-07	--	2.22E-07
			Aroclor-1260	--	--	8.50E-13	--	8.50E-13	Immune System/ Eye/Finger and Toe nails	--	--	1.49E-06	--	1.49E-06
			Arsenic	--	--	7.96E-11	--	7.96E-11	--	--	--	--	--	--
			Barium	--	--	--	--	--	Developmental	--	--	4.33E-05	--	4.33E-05
			Benzene	--	--	3.35E-11	--	3.35E-11	Blood	--	--	1.01E-05	--	1.01E-05
			Benzo(a)anthracene	--	--	2.52E-12	--	2.52E-12	--	--	--	--	--	--
			Benzo(a)pyrene	--	--	1.19E-11	--	1.19E-11	--	--	--	--	--	--
			Benzo(b)fluoranthene	--	--	2.23E-12	--	2.23E-12	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	--	--	1.40E-09	--	1.40E-09
			Benzo(k)fluoranthene	--	--	5.40E-14	--	5.40E-14	--	--	--	--	--	--
			Beryllium	--	--	3.56E-11	--	3.56E-11	Immune System/Lung	--	--	5.19E-05	--	5.19E-05
			bis(2-ethylhexyl)phthalate	--	--	8.34E-15	--	8.34E-15	--	--	--	1.90E-09	--	1.90E-09
			Cadmium	--	--	4.99E-11	--	4.99E-11	--	--	--	--	--	--
			Carbazole	--	--	3.30E-14	--	3.30E-14	--	--	--	--	--	--
			Carbon disulfide	--	--	--	--	--	CNS	--	--	4.08E-06	--	4.08E-06
			Chlorobenzene	--	--	--	--	--	Liver	--	--	3.62E-06	--	3.62E-06
			Chloroform	--	--	1.67E-10	--	1.67E-10	--	--	--	1.04E-03	--	1.04E-03
			Chromium	--	--	--	--	--	--	--	--	--	--	--
			Chrysene	--	--	2.11E-14	--	2.11E-14	--	--	--	--	--	--
			Cobalt	--	--	1.60E-10	--	1.60E-10	Respiratory system	--	--	2.00E-04	--	2.00E-04
			Copper	--	--	--	--	--	--	--	--	--	--	--
			Dibenzo(a,h)anthracene	--	--	1.60E-12	--	1.60E-12	--	--	--	--	--	--
			Dibenzofuran	--	--	--	--	--	Kidney	--	--	2.56E-05	--	2.56E-05
			di-n-Butylphthalate	--	--	--	--	--	--	--	--	--	--	--
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	--	--	1.79E-08	--	1.79E-08
			Fluorene	--	--	--	--	--	Blood	--	--	2.59E-06	--	2.59E-06
			Indeno(1,2,3-cd)pyrene	--	--	3.71E-13	--	3.71E-13	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	--	--	--	--	--
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	--	--	2.05E-03	--	2.05E-03
			Mercury	--	--	--	--	--	--	--	--	--	--	--
			Methylene chloride	--	--	4.62E-11	--	4.62E-11	Liver	--	--	2.29E-06	--	2.29E-06
			Methyl-T-Butyl-Ether	--	--	3.90E-11	--	3.90E-11	Liver/Kidney/ Periocular Tissue	--	--	3.50E-06	--	3.50E-06
			Molybdenum	--	--	--	--	--	--	--	--	--	--	--
			Naphthalene	--	--	3.37E-10	--	3.37E-10	Nasal Epithelium	--	--	2.29E-04	--	2.29E-04
			Nickel	--	--	--	--	--	Respiratory system	--	--	1.04E-04	--	1.04E-04
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	8.35E-07	--	8.35E-07

TABLE F-3.3.6.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs) (continued)	Air (continued)	Outdoor Air (Particulates and VOCs) (continued)	Pyrene	--	--	--	--	--	Kidney	--	--	3.81E-06	--	3.81E-06
			Selenium	--	--	--	--	--	--	--	--	--	--	--
			Silver	--	--	--	--	--	--	--	--	--	--	--
			Thallium	--	--	--	--	--	--	--	--	--	--	--
			Vanadium	--	--	--	--	--	--	--	--	--	--	--
			Xylene (Total)	--	--	--	--	--	CNS	--	--	2.25E-06	--	2.25E-06
			Zinc	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	9.67E-10	0.00E+00	9.67E-10		0.00E+00	0.00E+00	4.52E-03	0.00E+00	4.52E-03
		Exposure Point Total						9.67E-10						4.52E-03
	Exposure Medium Total							9.67E-10						4.52E-03
Medium Total								7.89E-07						3.79E-01
Groundwater	Groundwater Vapor Intrusion Indoor Air	Indoor Air (inhalation)	1,1,1-Trichloroethane	--	--	--	--	--	Liver, Brain	--	--	7.12E-05	--	7.12E-05
			1,1,2-Trichloroethane	--	--	9.10E-10	--	9.10E-10	Blood	--	--	2.84E-04	--	2.84E-04
			1,1-Dichlorethane	--	--	5.50E-09	--	5.50E-09	Kidney	--	--	4.83E-04	--	4.83E-04
			1,1-Dichlorethene	--	--	--	--	--	Liver	--	--	3.63E-02	--	3.63E-02
			1,2,4-Trimethylbenzene	--	--	--	--	--	CNS	--	--	--	--	--
			1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	4.63E-05	--	4.63E-05
			1,2-Dichlorethane	--	--	2.49E-09	--	2.49E-09	Liver	--	--	2.79E-06	--	2.79E-06
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	--	--	5.79E-03	--	5.79E-03
			1,2-Dichloropropane	--	--	3.19E-11	--	3.19E-11	--	--	--	2.99E-05	--	2.99E-05
			1,3,5-Trimethylbenzene	--	--	--	--	--	CNS	--	--	--	--	--
			1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	3.78E-05	--	3.78E-05
			1,4-Dichlorobenzene	--	--	5.08E-05	--	5.08E-05	Liver	--	--	7.08E-01	--	7.08E-01
			2-Butanone	--	--	--	--	--	Developmental	--	--	--	--	--
			2-Hexanone	--	--	--	--	--	CNS	--	--	--	--	--
			2-MethylNaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	--	--	--
			Acenaphthene	--	--	--	--	--	Liver	--	--	3.49E-07	--	3.49E-07
			Acenaphthylene	--	--	--	--	--	Liver	--	--	--	--	--
			Acetone	--	--	--	--	--	Kidney	--	--	1.49E-05	--	1.49E-05
			Benzene	--	--	4.51E-09	--	4.51E-09	Blood	--	--	1.36E-03	--	1.36E-03
			Bromodichloromethane	--	--	4.56E-10	--	4.56E-10	Kidney	--	--	2.57E-05	--	2.57E-05
			Carbon disulfide	--	--	--	--	--	CNS	--	--	1.77E-04	--	1.77E-04
			Chlorobenzene	--	--	--	--	--	Liver	--	--	1.44E-04	--	1.44E-04
			Chloroethane	--	--	--	--	--	Fetus	--	--	--	--	--
			Chloroform	--	--	4.88E-09	--	4.88E-09	--	--	--	3.03E-02	--	3.03E-02
			Chloromethane	--	--	--	--	--	CNS	--	--	--	--	--
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	2.50E-03	--	2.50E-03
			Cyanide	--	--	--	--	--	--	--	--	--	--	--
			Ethylbenzene	--	--	--	--	--	Developmental	--	--	2.23E-05	--	2.23E-05
			Fluorene	--	--	--	--	--	Blood	--	--	1.01E-07	--	1.01E-07
			Hexachlorobutadiene	--	--	3.05E-10	--	3.05E-10	Kidney	--	--	9.13E-04	--	9.13E-04
			Isopropylbenzene	--	--	--	--	--	Kidney	--	--	4.43E-05	--	4.43E-05
			m,p-Xylene	--	--	--	--	--	CNS	--	--	4.10E-04	--	4.10E-04
			Methylene Chloride	--	--	7.73E-11	--	7.73E-11	Liver	--	--	3.84E-06	--	3.84E-06
			Methyl-T-Butyl-ether	--	--	--	--	--	Liver/Kidney/ Periocular Tissue	--	--	--	--	--
			Naphthalene	--	--	2.49E-09	--	2.49E-09	Nasal Epithelium	--	--	1.69E-03	--	1.69E-03
			n-Butylbenzene	--	--	--	--	--	--	--	--	1.86E-04	--	1.86E-04
			n-propylbenzene	--	--	--	--	--	--	--	--	2.71E-04	--	2.71E-04
			o-Xylene	--	--	--	--	--	CNS	--	--	1.63E-04	--	1.63E-04
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	2.66E-08	--	2.66E-08

TABLE F-9.3.6.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater Vapor Intrusion Indoor Air (continued)	Indoor Air (inhalation) (continued)	sec-Butylbenzene	--	--	--	--	--	--	--	--	3.88E-05	--	3.88E-05
			tert-Butylbenzene	--	--	--	--	--	--	--	--	2.33E-05	--	2.33E-05
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	1.15E-03	--	1.15E-03
			Tetrachloroethene	--	--	3.48E-09	--	3.48E-09	CNS	--	--	6.77E-05	--	6.77E-05
			Toluene	--	--	--	--	--	CNS	--	--	4.81E-05	--	4.81E-05
			Trichloroethene	--	--	6.97E-06	--	6.97E-06	CNS/Liver/Endocrine System	--	--	1.22E-01	--	1.22E-01
			Vinyl chloride	--	--	2.50E-08	--	2.50E-08	Liver	--	--	3.82E-03	--	3.82E-03
			Xylene (Total)	--	--	--	--	--	CNS	--	--	5.40E-04	--	5.40E-04
			Chemical Total	0.00E+00	0.00E+00	5.79E-05	0.00E+00	5.79E-05		0.00E+00	0.00E+00	9.17E-01	0.00E+00	9.17E-01
		Exposure Point Total						5.79E-05						9.17E-01
	Exposure Medium Total							5.79E-05						9.17E-01
Medium Total								5.79E-05						9.17E-01
Receptor Total							Receptor Risk Total	5.86E-05					Receptor HI Total	1.30E+00

Notes:

--	Not applicable or not available
COPC	Chemicals of Potential Concern
CNS	Central nervous system
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
GI	Gastrointestinal
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile Organic Compound

Total Organ 1 (Liver) HI Across All Media =	8.94E-01
Total Organ 2 (Kidney) HI Across All Media =	4.43E-02
Total Organ 3 (Fetus) HI Across All Media =	0.00E+00
Total Organ 4 (Nervous System) HI Across All Media =	1.75E-01
Total Organ 5 (Endocrine system) HI Across All Media =	1.22E-01
Total Organ 6 (Blood) HI Across All Media =	5.74E-02
Total Organ 7 (Skin) HI Across All Media =	3.06E-02
Total Organ 8 (No Observed Effect) HI Across All Media =	2.68E-04
Total Organ 9 (Unknown Systems) HI Across All Media =	1.66E-01
Total Organ 10 (Gastrointestinal System) HI Across All Media =	6.15E-03
Total Organ 11 (Vision/Eye) HI Across All Media =	5.29E-02
Total Organ 12 (Body Weight) HI Across All Media =	NA
Total Organ 13 (Developmental) HI Across All Media =	6.59E-05
Total Organ 13 (Respiratory/lung) HI Across All Media =	1.04E-03
Total Organ 13 (whole body) HI Across All Media =	2.83E-02
Total Organ 13 (Immune System) HI Across All Media =	2.79E-02
Total Organ 13 (Reproductive System) HI Across All Media =	NA
Total Organ 13 (Finger and Toe Nail) HI Across All Media =	5.29E-02
Total Organ 13 (Nasal Tissue) HI Across All Media =	1.92E-03

TABLE F-5.3.7.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs)	Soil	Site Soil	2,4-Dimethylphenol	--	--	--	--	--	Brain/Body Systems	2.60E-06	1.04E-07	--	1.05E-04	1.07E-04
			2-Methylnaphthalene	--	--	--	--	--	Lungs	1.12E-05	4.47E-07	--	--	1.17E-05
			4-Methyl-2-pentanone	--	--	--	--	--	Whole Body	5.86E-05	2.34E-06	--	--	6.09E-05
			Acenaphthene	--	--	--	--	--	Liver	3.43E-06	1.78E-06	--	--	5.20E-06
			Acenaphthylene	--	--	--	--	--	Liver	3.70E-07	1.48E-08	--	--	3.85E-07
			Aluminum	--	--	--	--	--	CNS	9.42E-03	3.76E-05	--	--	9.45E-03
			Anthracene	--	--	--	--	--	No observed effect	1.86E-06	9.65E-07	--	--	2.83E-06
			Antimony	--	--	--	--	--	Whole body, Blood, Immune System	8.90E-03	3.55E-05	--	--	8.94E-03
			Aroclor-1254	2.82E-08	1.57E-08	--	3.97E-09	4.79E-08	Eye/Finger and Toe nails	2.05E-03	1.15E-03	--	2.89E-04	3.49E-03
			Aroclor-1260	1.88E-07	1.05E-07	--	1.11E-08	3.05E-07	Eye/Finger and Toe nails	1.37E-02	7.68E-03	--	8.08E-04	2.22E-02
			Arsenic	1.76E-06	2.11E-07	--	6.53E-06	8.51E-06	Skin	1.14E-02	1.37E-03	--	4.23E-02	5.51E-02
			Barium	--	--	--	--	--	Kidney	8.01E-04	4.56E-05	--	--	8.46E-04
			Benzene	3.10E-11	1.24E-12	--	--	3.22E-11	Blood	4.11E-07	1.64E-08	--	--	4.27E-07
			Benzo(a)anthracene	5.59E-07	2.90E-07	--	3.36E-08	8.82E-07	--	--	--	--	--	--
			Benzo(a)pyrene	2.65E-06	1.37E-06	--	1.06E-07	4.13E-06	--	--	--	--	--	--
			Benzo(b)fluoranthene	4.94E-07	2.56E-07	--	2.33E-08	7.74E-07	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	1.30E-05	6.72E-06	--	--	1.97E-05
			Benzo(k)fluoranthene	1.20E-08	6.21E-09	--	4.72E-10	1.86E-08	--	--	--	--	--	--
			Beryllium	--	--	--	--	--	GI Tract	1.37E-03	7.81E-04	--	--	2.15E-03
			bis(2-ethylhexyl)phthalate	1.85E-09	--	--	1.01E-12	1.85E-09	Liver	1.93E-05	7.69E-07	--	1.05E-08	2.00E-05
			Cadmium	--	--	--	--	--	Kidney	1.02E-02	4.08E-05	--	4.79E-01	4.89E-01
			Carbazole	7.33E-09	2.92E-10	--	1.55E-07	1.62E-07	--	--	--	--	--	--
			Carbon disulfide	--	--	--	--	--	Developmental	6.85E-08	6.83E-08	--	--	1.37E-07
			Chlorobenzene	--	--	--	--	--	Liver	1.37E-07	5.47E-09	--	--	1.42E-07
			Chloroform	--	--	--	--	--	Liver	2.74E-07	1.09E-08	--	--	2.85E-07
			Chromium	--	--	--	--	--	No observed effect	3.24E-05	1.29E-07	--	--	3.26E-05
			Chrysene	4.69E-09	2.43E-09	--	2.81E-10	7.40E-09	--	--	--	--	--	--
			Cobalt	--	--	--	--	--	Blood	5.28E-04	2.10E-06	--	--	5.30E-04
			Copper	--	--	--	--	--	Gi Tract/Kidney	6.51E-04	2.60E-06	--	--	6.53E-04
			Dibenzo(a,h)anthracene	3.55E-07	1.84E-07	--	9.22E-09	5.49E-07	--	--	--	--	--	--
			Dibenzofuran	--	--	--	--	--	Kidney	1.16E-04	4.65E-06	--	--	1.21E-04
			di-n-Butylphthalate	--	--	--	--	--	Whole Body	1.26E-06	5.03E-10	--	1.52E-07	1.41E-06
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	1.66E-04	8.60E-05	--	1.07E-05	2.63E-04
			Fluorene	--	--	--	--	--	Blood	6.52E-06	3.38E-06	--	--	9.90E-06
			Indeno(1,2,3-cd)pyrene	8.23E-08	4.27E-08	--	2.79E-09	1.28E-07	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	5.67E-02	2.26E-04	--	--	5.69E-02
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	1.13E-02	4.50E-05	--	--	1.13E-02
			Mercury	--	--	--	--	--	Immune System	2.88E-03	--	--	1.64E-02	1.93E-02
			Methylene chloride	8.81E-11	3.51E-12	--	--	9.16E-11	Liver	5.71E-07	2.28E-08	--	--	5.94E-07
			Methyl-T-Butyl-Ether	6.09E-11	2.43E-12	--	--	6.33E-11	Liver/Kidney/Periocular Tissue	1.15E-07	4.58E-09	--	--	1.19E-07
			Molybdenum	--	--	--	--	--	CNS	2.38E-04	9.51E-07	--	--	2.39E-04
			Naphthalene	2.43E-09	1.26E-09	--	--	3.69E-09	Whole Body	2.96E-06	1.53E-06	--	--	4.49E-06
			Nickel	--	--	--	--	--	Whole Body	2.74E-03	2.73E-04	--	1.65E-02	1.95E-02
			Phenanthrene	--	--	--	--	--	No observed effect	8.74E-06	3.49E-07	--	--	9.09E-06
			Pyrene	--	--	--	--	--	Kidney	1.01E-04	5.26E-05	--	--	1.54E-04
			Selenium	--	--	--	--	--	Whole Body	7.90E-05	1.05E-06	--	4.70E-04	5.50E-04
			Silver	--	--	--	--	--	SKin	4.93E-04	4.92E-05	--	--	5.42E-04

TABLE F-9.3.7.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Thallium	--	--	--	--	--	Liver, Blood	9.72E-03	--	--	--	9.72E-03
			Vanadium	--	--	--	--	--	Kidney	5.28E-03	8.10E-04	--	--	6.09E-03
			Xylene (Total)	--	--	--	--	--	Whole Body	1.37E-08	5.47E-10	--	--	1.42E-08
			Zinc	--	--	--	--	--	Blood	1.96E-04	7.83E-07	--	4.74E-03	4.93E-03
			Chemical Total	6.15E-06	2.49E-06	0.00E+00	6.88E-06	1.55E-05		1.49E-01	1.27E-02	0.00E+00	5.61E-01	7.23E-01
		Exposure Point Total						1.55E-05						7.23E-01
	Exposure Medium Total							1.55E-05						7.23E-01
	Air	Outdoor Air (Particulates and VOCs)	2,4-Dimethylphenol	--	--	--	--	--	--	--	--	3.93E-10	--	3.93E-10
			2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	4.34E-05	--	4.34E-05
			Acenaphthene	--	--	--	--	--	Liver	--	--	3.79E-06	--	3.79E-06
			Acenaphthylene	--	--	--	--	--	Liver	--	--	4.10E-07	--	4.10E-07
			Aluminum	--	--	--	--	--	Respiratory system	--	--	9.94E-04	--	9.94E-04
			Anthracene	--	--	--	--	--	No observed effect	--	--	5.30E-07	--	5.30E-07
			Antimony	--	--	--	--	--	--	--	--	--	--	--
			Aroclor-1254	--	--	4.25E-12	--	4.25E-12	Immune System/ Eye/Finger and Toe nails	--	--	3.10E-07	--	3.10E-07
			Aroclor-1260	--	--	2.84E-11	--	2.84E-11	Immune System/ Eye/Finger and Toe nails	--	--	2.07E-06	--	2.07E-06
			Arsenic	--	--	2.66E-09	--	2.66E-09	--	--	--	--	--	--
			Barium	--	--	--	--	--	Developmental	--	--	6.04E-05	--	6.04E-05
			Benzene	--	--	1.12E-09	--	1.12E-09	Blood	--	--	1.41E-05	--	1.41E-05
			Benzo(a)anthracene	--	--	8.43E-11	--	8.43E-11	--	--	--	--	--	--
			Benzo(a)pyrene	--	--	4.00E-10	--	4.00E-10	--	--	--	--	--	--
			Benzo(b)fluoranthene	--	--	7.46E-11	--	7.46E-11	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	--	--	1.95E-09	--	1.95E-09
			Benzo(k)fluoranthene	--	--	1.81E-12	--	1.81E-12	--	--	--	--	--	--
			Beryllium	--	--	1.19E-09	--	1.19E-09	Immune System/Lung	--	--	7.24E-05	--	7.24E-05
			bis(2-ethylhexyl)phthalate	--	--	2.79E-13	--	2.79E-13	--	--	--	2.64E-09	--	2.64E-09
			Cadmium	--	--	1.67E-09	--	1.67E-09	--	--	--	--	--	--
			Carbazole	--	--	1.11E-12	--	1.11E-12	--	--	--	--	--	--
			Carbon disulfide	--	--	--	--	--	CNS	--	--	5.68E-06	--	5.68E-06
			Chlorobenzene	--	--	--	--	--	Liver	--	--	5.05E-06	--	5.05E-06
			Chloroform	--	--	5.58E-09	--	5.58E-09	--	--	--	1.44E-03	--	1.44E-03
			Chromium	--	--	--	--	--	--	--	--	--	--	--
			Chrysene	--	--	7.07E-13	--	7.07E-13	--	--	--	--	--	--
			Cobalt	--	--	5.35E-09	--	5.35E-09	Respiratory system	--	--	2.79E-04	--	2.79E-04
			Copper	--	--	--	--	--	--	--	--	--	--	--
			Dibenzo(a,h)anthracene	--	--	5.36E-11	--	5.36E-11	--	--	--	--	--	--
			Dibenzofuran	--	--	--	--	--	Kidney	--	--	3.57E-05	--	3.57E-05
			di-n-Butylphthalate	--	--	--	--	--	--	--	--	--	--	--
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	--	--	2.50E-08	--	2.50E-08
			Fluorene	--	--	--	--	--	Blood	--	--	3.61E-06	--	3.61E-06
			Indeno(1,2,3-cd)pyrene	--	--	1.24E-11	--	1.24E-11	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	--	--	--	--	--
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	--	--	2.86E-03	--	2.86E-03
			Mercury	--	--	--	--	--	--	--	--	--	--	--
			Methylene chloride	--	--	1.55E-09	--	1.55E-09	Liver	--	--	3.20E-06	--	3.20E-06
			Methyl-T-Butyl-Ether	--	--	1.30E-09	--	1.30E-09	Liver/Kidney/ Periocular Tissue	--	--	4.88E-06	--	4.88E-06
			Molybdenum	--	--	--	--	--	--	--	--	--	--	--
			Naphthalene	--	--	1.13E-08	--	1.13E-08	Nasal Epithelium	--	--	3.20E-04	--	3.20E-04
			Nickel	--	--	--	--	--	Respiratory system	--	--	1.44E-04	--	1.44E-04
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	1.16E-06	--	1.16E-06
			Pyrene	--	--	--	--	--	Kidney	--	--	5.32E-06	--	5.32E-06

TABLE [illegible].7.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs) (continued)	Air (continued)	Outdoor Air (Particulates and VOCs) (continued)	Selenium	--	--	--	--	--	--	--	--	--	--	--
			Silver	--	--	--	--	--	--	--	--	--	--	--
			Thallium	--	--	--	--	--	--	--	--	--	--	--
			Vanadium	--	--	--	--	--	--	--	--	--	--	--
			Xylene (Total)	--	--	--	--	--	CNS	--	--	3.13E-06	--	3.13E-06
			Zinc	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	3.24E-08	0.00E+00	3.24E-08		0.00E+00	0.00E+00	6.30E-03	0.00E+00	6.30E-03
		Exposure Point Total						3.24E-08						6.30E-03
	Exposure Medium Total							3.24E-08						6.30E-03
Medium Total								1.55E-05						7.29E-01
Groundwater	Groundwater	Domestic Use of Groundwater	1,1,1-Trichloroethane	--	--	--	--	--	Liver	2.18E-03	1.95E-04	--	--	2.38E-03
			1,1,2-Trichloroethane	5.66E-06	1.90E-07	--	--	5.85E-06	Blood	7.24E-02	2.43E-03	--	--	7.48E-02
			1,1-Dichlorethane	5.79E-06	2.68E-07	--	--	6.06E-06	No observed effect	2.96E-02	1.37E-03	--	--	3.10E-02
			1,1-Dichlorethene	--	--	--	--	--	Liver	3.23E-01	2.68E-02	--	--	3.49E-01
			1,2,4-Trimethylbenzene	--	--	--	--	--	No observed effect	6.20E-03	3.05E-03	--	--	9.25E-03
			1,2-Dichlorobenzene	--	--	--	--	--	No observed effect	4.07E-03	1.40E-03	--	--	5.47E-03
			1,2-Dichlorethane	1.07E-05	2.97E-07	--	--	1.10E-05	Kidney	1.71E-02	4.77E-04	--	--	1.76E-02
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	8.04E-01	6.26E-02	--	--	8.67E-01
			1,2-Dichloropropane	6.39E-08	3.31E-09	--	--	6.72E-08	Blood, Liver, CNS	2.49E-03	1.29E-04	--	--	2.62E-03
			1,3,5-Trimethylbenzene	--	--	--	--	--	No observed effect	5.82E-03	2.87E-03	--	--	8.69E-03
			1,3-Dichlorobenzene	--	--	--	--	--	Liver/Thyroid	1.37E-01	5.54E-02	--	--	1.92E-01
			1,4-Dichlorobenzene	1.45E-06	4.68E-07	--	--	1.92E-06	GI Tract, Liver	5.86E-03	1.90E-03	--	--	7.76E-03
			2-Butanone	--	--	--	--	--	Developmental	3.24E-03	1.88E-05	--	--	3.26E-03
			2-Hexanone	--	--	--	--	--	CNS	6.85E-04	1.59E-05	--	--	7.01E-04
			2-Methylnaphthalene	--	--	--	--	--	Lungs	4.79E-03	3.55E-03	--	--	8.35E-03
			4-Methyl-2-pentanone	--	--	--	--	--	Whole Body	9.93E-03	2.06E-04	--	--	1.01E-02
			Acenaphthene	--	--	--	--	--	Liver	9.13E-04	6.34E-04	--	--	1.55E-03
			Acenaphthylene	--	--	--	--	--	Liver	9.13E-04	6.72E-04	--	--	1.59E-03
			Acetone	--	--	--	--	--	Kidney	5.03E-02	1.50E-04	--	--	5.05E-02
			Aluminum	--	--	--	--	--	CNS	2.71E-02	3.02E-04	--	--	2.74E-02
			Antimony	--	--	--	--	--	Whole body, Blood, Immune System	9.79E-01	5.57E-03	--	--	9.84E-01
			Arsenic	2.79E-04	2.81E-06	--	--	2.82E-04	Skin	1.81E+00	1.82E-02	--	--	1.83E+00
			Barium	--	--	--	--	--	Kidney	1.06E-01	3.17E-03	--	--	1.09E-01
			Benzene	8.21E-06	8.87E-07	--	--	9.10E-06	Blood	1.09E-01	1.18E-02	--	--	1.21E-01
			Benzo(a)anthracene	6.86E-07	3.39E-06	--	--	4.08E-06	--	--	--	--	--	--
			Benzo(a)pyrene	6.86E-06	4.44E-05	--	--	5.12E-05	--	--	--	--	--	--
			Beryllium	--	--	--	--	--	GI Tract	1.94E-02	9.53E-03	--	--	2.89E-02
			bis(2-ethylhexyl)phthalate	9.33E-07	--	--	--	9.33E-07	Liver	9.72E-03	9.99E-02	--	--	1.10E-01
			Bromodichloromethane	4.14E-06	1.08E-07	--	--	4.24E-06	Kidney	9.73E-03	2.55E-04	--	--	9.98E-03
			Cadmium	--	--	--	--	--	Kidney	8.78E-01	1.60E-03	--	--	8.79E-01
			Carbon disulfide	--	--	--	--	--	Developmental	2.06E-03	1.68E-04	--	--	2.23E-03
			Chlorobenzene	--	--	--	--	--	Liver	8.32E-03	1.77E-03	--	--	1.01E-02
			Chloroethane	3.36E-07	1.40E-08	--	--	3.50E-07	No observed effect	8.46E-04	3.52E-05	--	--	8.81E-04
			Chloroform	--	--	--	--	--	Liver	2.04E-02	9.49E-04	--	--	2.13E-02
			Chloromethane	--	--	--	--	--	Liver, Kidney, Spleen, CNS	7.65E-03	1.66E-04	--	--	7.82E-03
			Chromium	--	--	--	--	--	No observed effect	2.78E-03	1.45E-05	--	--	2.79E-03
			Chromium (VI)	--	--	--	--	--	No observed effect	4.31E+00	2.25E-02	--	--	4.33E+00
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	1.52E-01	1.18E-02	--	--	1.64E-01
			Cobalt	--	--	--	--	--	Blood	2.07E-02	1.31E-04	--	--	2.08E-02
			Copper	--	--	--	--	--	Gi Tract/Kidney	8.48E-03	1.36E-05	--	--	8.50E-03
			Cyanide	--	--	--	--	--	Thyroid, CNS	9.04E-02	4.09E-04	--	--	9.08E-02
			Ethylbenzene	--	--	--	--	--	Kidney, Liver	1.97E-03	7.59E-04	--	--	2.73E-03
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	1.23E-03	3.30E-03	--	--	4.53E-03

TABLE F-9.3.7.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Fluorene	--	--	--	--	--	Blood	6.85E-04	6.11E-04	--	--	1.30E-03
			Hexachlorobutadiene	2.93E-07	1.85E-07	--	--	4.78E-07	Kidney	3.65E-02	2.31E-02	--	--	5.96E-02
			Iron	--	--	--	--	--	--	1.55E+00	2.00E-03	--	--	1.55E+00
			Isopropylbenzene	--	--	--	--	--	Kidney	1.51E-03	1.10E-03	--	--	2.61E-03
			Lead	--	--	--	--	--	--	--	--	--	--	--
			m,p-Xylene	--	--	--	--	--	CNS/Whole Body	1.81E-03	7.59E-04	--	--	2.57E-03
			Manganese	--	--	--	--	--	CNS	1.13E+01	7.56E-02	--	--	1.14E+01
			Mercury	--	--	--	--	--	Immune System	4.02E-03	3.00E-04	--	--	4.32E-03
			Methylene chloride	6.98E-07	1.62E-08	--	--	7.14E-07	Liver	4.52E-03	1.05E-04	--	--	4.63E-03
			Methyl-T-Butyl-Ether	1.18E-07	1.58E-09	--	--	1.19E-07	Liver/Kidney/Periocular Tissue	2.22E-04	2.98E-06	--	--	2.25E-04
			Molybdenum	--	--	--	--	--	CNS	4.11E-01	1.54E-03	--	--	4.12E-01
			Naphthalene	3.77E-05	1.37E-05	--	--	5.14E-05	Whole Body	4.59E-02	1.66E-02	--	--	6.25E-02
			n-Butylbenzene	--	--	--	--	--	Kidney, Liver	1.64E-03	1.20E-03	--	--	2.85E-03
			Nickel	--	--	--	--	--	Whole Body	2.50E-01	1.08E-02	--	--	2.61E-01
			n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--
			o-Xylene	--	--	--	--	--	CNS/Whole Body	9.40E-04	3.45E-04	--	--	1.29E-03
			Phenanthrene	--	--	--	--	--	No observed effect	1.83E-04	2.18E-04	--	--	4.01E-04
			Phenol	--	--	--	--	--	Developmental	6.02E-04	1.74E-05	--	--	6.20E-04
			p-Isopropyltoluene	--	0.00E+00	--	--	0.00E+00	--	--	--	--	--	--
			Pyrene	--	--	--	--	--	Kidney	2.74E-03	4.63E-03	--	--	7.37E-03
			sec-Butylbenzene	--	--	--	--	--	Kidney	3.42E-04	--	--	--	3.42E-04
			Selenium	--	--	--	--	--	Whole Body	5.92E-02	9.30E-04	--	--	6.01E-02
			Silver											
			Tert-Butanol	--	--	--	--	--	--	--	--	--	--	--
			tert-Butylbenzene	--	--	--	--	--	Kidney	2.05E-04	1.50E-04	--	--	3.56E-04
			Tetrachloroethene	2.96E-05	7.44E-06	--	--	3.71E-05	Liver	1.60E-02	4.02E-03	--	--	2.00E-02
			Thallium	--	--	--	--	--	Liver, Blood	3.37E+00	1.76E-02	--	--	3.39E+00
			Toluene	--	--	--	--	--	Kidney, Liver	8.70E-04	2.06E-04	--	--	1.08E-03
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	1.59E-02	3.99E-03	--	--	1.99E-02
			Trichloroethene	3.76E-03	3.08E-04	--	--	4.07E-03	Liver, Kidney, Fetus	9.14E+01	7.49E+00	--	--	9.88E+01
			Vanadium	--	--	--	--	--	Kidney	1.12E-01	3.03E-02	--	--	1.42E-01
			Vinyl chloride	1.72E-04	1.01E-05	--	--	1.82E-04	Liver	2.32E-01	1.37E-02	--	--	2.45E-01
			Xylene (Total)	--	--	--	--	--	Whole Body	2.40E-03	1.00E-03	--	--	3.40E-03
			Zinc	--	--	--	--	--	Blood	1.37E-02	2.44E-05	--	--	1.37E-02
			Chemical Total	4.32E-03	3.92E-04	0.00E+00	0.00E+00	4.71E-03		1.19E+02	8.05E+00	0.00E+00	0.00E+00	1.27E+02
		Exposure Point Total						4.71E-03						1.27E+02
	Exposure Medium Total							4.71E-03						1.27E+02
	Air	Domestic Use of Groundwater	1,1,1-Trichloroethane	--	--	--	--	--	Liver, Brain	--	--	1.17E-04	--	1.17E-04
			1,1,2-Trichloroethane	--	--	6.69E-07	--	6.69E-07	Blood	--	--	8.72E-03	--	8.72E-03
			1,1-Dichlorethane	--	--	6.97E-07	--	6.97E-07	Kidney	--	--	2.55E-03	--	2.55E-03
			1,1-Dichlorethene	--	--	--	--	--	Liver	--	--	3.40E-02	--	3.40E-02
			1,2,4-Trimethylbenzene	--	--	--	--	--	CNS	--	--	2.19E-02	--	2.19E-02
			1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	7.73E-04	--	7.73E-04
			1,2-Dichlorethane	--	--	1.28E-06	--	1.28E-06	Liver	--	--	6.00E-05	--	6.00E-05
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	--	--	9.68E-02	--	9.68E-02
			1,2-Dichloropropane	--	--	7.69E-09	--	7.69E-09	--	--	--	3.00E-04	--	3.00E-04
			1,3,5-Trimethylbenzene	--	--	--	--	--	CNS	--	--	2.06E-02	--	2.06E-02
			1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	4.95E-04	--	4.95E-04
			1,4-Dichlorobenzene	--	--	1.60E-07	--	1.60E-07	Liver	--	--	9.26E-05	--	9.26E-05
			2-Butanone	--	--	--	--	--	Developmental	--	--	1.64E-04	--	1.64E-04
			2-Hexanone	--	--	--	--	--	CNS	--	--	7.67E-06	--	7.67E-06
			2-MethylNaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	1.11E-04	--	1.11E-04

TABLE F-9.3.7.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Air (continued)	Domestic Use of Groundwater (continued)	Acenaphthene	--	--	--	--	--	Liver	--	--	1.10E-04	--	1.10E-04
			Acenaphthylene	--	--	--	--	--	Liver	--	--	1.10E-04	--	1.10E-04
			Acetone	--	--	--	--	--	Kidney	--	--	6.06E-03	--	6.06E-03
			Benzene	--	--	4.85E-07	--	4.85E-07	Blood	--	--	6.11E-03	--	6.11E-03
			Bromodichloromethane	--	--	4.98E-07	--	4.98E-07	Kidney	--	--	1.17E-03	--	1.17E-03
			Carbon disulfide	--	--	--	--	--	CNS	--	--	1.24E-04	--	1.24E-04
			Chlorobenzene	--	--	--	--	--	Liver	--	--	1.17E-03	--	1.17E-03
			Chloroethane	--	--	4.05E-08	--	4.05E-08	Fetus	--	--	1.40E-05	--	1.40E-05
			Chloroform	--	--	6.77E-07	--	6.77E-07	--	--	--	1.75E-01	--	1.75E-01
			Chloromethane	--	--	--	--	--	CNS	--	--	9.31E-04	--	9.31E-04
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	1.83E-02	--	1.83E-02
			Cyanide	--	--	--	--	--	--	--	--	--	--	--
			Ethylbenzene	--	--	--	--	--	Developmental	--	--	8.29E-05	--	8.29E-05
			Fluorene	--	--	--	--	--	Blood	--	--	8.24E-05	--	8.24E-05
			Hexachlorobutadiene	--	--	3.53E-08	--	3.53E-08	Kidney	--	--	4.40E-03	--	4.40E-03
			Isopropylbenzene	--	--	--	--	--	Kidney	--	--	1.65E-04	--	1.65E-04
			m,p-Xylene	--	--	--	--	--	CNS	--	--	1.53E-03	--	1.53E-03
			Methylene Chloride	--	--	1.84E-08	--	1.84E-08	Liver	--	--	3.81E-05	--	3.81E-05
			Methyl-T-Butyl-ether	--	--	7.17E-09	--	7.17E-09	Liver/Kidney/ Periocular Tissue	--	--	2.68E-05	--	2.68E-05
			Naphthalene	--	--	4.54E-06	--	4.54E-06	Nasal Epithelium	--	--	1.29E-01	--	1.29E-01
			n-Butylbenzene	--	--	--	--	--	--	--	--	6.92E-04	--	6.92E-04
			n-propylbenzene	--	--	--	--	--	--	--	--	1.01E-03	--	1.01E-03
			o-Xylene	--	--	--	--	--	CNS	--	--	7.92E-04	--	7.92E-04
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	2.20E-05	--	2.20E-05
			Pyrene	--	--	--	--	--	Kidney	--	--	3.30E-04	--	3.30E-04
			sec-Butylbenzene	--	--	--	--	--	--	--	--	1.44E-04	--	1.44E-04
			tert-Butylbenzene	--	--	--	--	--	--	--	--	8.66E-05	--	8.66E-05
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	1.91E-03	--	1.91E-03
			Tetrachloroethene	--	--	1.39E-07	--	1.39E-07	CNS	--	--	1.12E-04	--	1.12E-04
			Toluene	--	--	--	--	--	CNS	--	--	1.83E-04	--	1.83E-04
			Trichloroethene	--	--	4.52E-04	--	4.52E-04	CNS/Liver/Endocrine System	--	--	3.30E-01	--	3.30E-01
			Vinyl chloride	--	--	8.89E-07	--	8.89E-07	Liver	--	--	2.93E-03	--	2.93E-03
			Xylene (Total)	--	--	--	--	--	CNS	--	--	2.02E-03	--	2.02E-03
			Chemical Total	0.00E+00	0.00E+00	4.63E-04	0.00E+00	4.63E-04		0.00E+00	0.00E+00	8.71E-01	0.00E+00	8.71E-01
		Exposure Point Total						4.63E-04						8.71E-01
	Exposure Medium Total							4.63E-04						8.71E-01
	Groundwater Vapor Intrusion Indoor Air	Indoor Air (inhalation)	1,1,1-Trichloroethane	--	--	--	--	--	Liver, Brain	--	--	8.72E-04	--	8.72E-04
			1,1,2-Trichloroethane	--	--	2.40E-07	--	2.40E-07	Blood	--	--	3.13E-03	--	3.13E-03
			1,1-Dichlorethane	--	--	1.69E-06	--	1.69E-06	Kidney	--	--	6.16E-03	--	6.16E-03
			1,1-Dichlorethene	--	--	--	--	--	Liver	--	--	4.73E-01	--	4.73E-01
			1,2,4-Trimethylbenzene	--	--	--	--	--	CNS	--	--	3.75E-02	--	3.75E-02
			1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	4.54E-04	--	4.54E-04
			1,2-Dichlorethane	--	--	6.56E-07	--	6.56E-07	Liver	--	--	3.06E-05	--	3.06E-05
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	--	--	1.66E-01	--	1.66E-01
			1,2-Dichloropropane	--	--	8.95E-09	--	8.95E-09	--	--	--	3.49E-04	--	3.49E-04
			1,3,5-Trimethylbenzene	--	--	--	--	--	CNS	--	--	3.35E-02	--	3.35E-02
			1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	4.90E-04	--	4.90E-04
			1,4-Dichlorobenzene	--	--	1.22E-07	--	1.22E-07	Liver	--	--	7.06E-05	--	7.06E-05
			2-Butanone	--	--	--	--	--	Developmental	--	--	4.49E-06	--	4.49E-06
			2-Hexanone	--	--	--	--	--	CNS	--	--	4.16E-07	--	4.16E-07
			2-MethylNaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	6.04E-06	--	6.04E-06
			Acenaphthene	--	--	--	--	--	Liver	--	--	2.97E-06	--	2.97E-06

TABLE F-9.3.7.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater Vapor Intrusion Indoor Air (continued)	Indoor Air (inhalation) (continued)	Acenaphthylene	--	--	--	--	--	Liver	--	--	2.97E-06	--	2.97E-06
			Acetone	--	--	--	--	--	Kidney	--	--	1.65E-04	--	1.65E-04
			Benzene	--	--	1.27E-06	--	1.27E-06	Blood	--	--	1.59E-02	--	1.59E-02
			Bromodichloromethane	--	--	1.48E-07	--	1.48E-07	Kidney	--	--	3.48E-04	--	3.48E-04
			Carbon disulfide	--	--	--	--	--	CNS	--	--	2.19E-03	--	2.19E-03
			Chlorobenzene	--	--	--	--	--	Liver	--	--	1.57E-03	--	1.57E-03
			Chloroethane	--	--	3.98E-07	--	3.98E-07	Fetus	--	--	1.38E-04	--	1.38E-04
			Chloroform	--	--	1.37E-06	--	1.37E-06	--	--	--	3.55E-01	--	3.55E-01
			Chloromethane	--	--	--	--	--	CNS	--	--	6.24E-03	--	6.24E-03
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	3.14E-02	--	3.14E-02
			Cyanide	--	--	--	--	--	--	--	--	--	--	--
			Ethylbenzene	--	--	--	--	--	Developmental	--	--	2.37E-04	--	2.37E-04
			Fluorene	--	--	--	--	--	Blood	--	--	9.14E-07	--	9.14E-07
			Hexachlorobutadiene	--	--	6.98E-08	--	6.98E-08	Kidney	--	--	8.71E-03	--	8.71E-03
			Isopropylbenzene	--	--	--	--	--	Kidney	--	--	5.26E-02	--	5.26E-02
			m,p-Xylene	--	--	--	--	--	CNS	--	--	4.31E-03	--	4.31E-03
			Methylene Chloride	--	--	2.26E-08	--	2.26E-08	Liver	--	--	4.67E-05	--	4.67E-05
			Methyl-T-Butyl-ether	--	--	2.52E-09	--	2.52E-09	Liver/Kidney/ Periocular Tissue	--	--	9.41E-06	--	9.41E-06
			Naphthalene	--	--	5.64E-07	--	5.64E-07	Nasal Epithelium	--	--	1.60E-02	--	1.60E-02
			n-Butylbenzene	--	--	--	--	--	--	--	--	2.37E-03	--	2.37E-03
			n-propylbenzene	--	--	--	--	--	--	--	--	3.03E-03	--	3.03E-03
			o-Xylene	--	--	--	--	--	CNS	--	--	1.65E-03	--	1.65E-03
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	1.60E-07	--	1.60E-07
			Pyrene	--	--	--	--	--	Kidney	--	--	6.16E-07	--	6.16E-07
			sec-Butylbenzene	--	--	--	--	--	--	--	--	1.31E-06	--	1.31E-06
			tert-Butylbenzene	--	--	--	--	--	--	--	--	3.10E-04	--	3.10E-04
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	1.29E-02	--	1.29E-02
			Tetrachloroethene	--	--	9.33E-07	--	9.33E-07	CNS	--	--	7.56E-04	--	7.56E-04
			Toluene	--	--	--	--	--	CNS	--	--	5.30E-04	--	5.30E-04
			Trichloroethene	--	--	1.96E-03	--	1.96E-03	CNS/Liver/Endocrine System	--	--	1.43E+00	--	1.43E+00
			Vinyl chloride	--	--	1.59E-05	--	1.59E-05	Liver	--	--	5.22E-02	--	5.22E-02
			Xylene (Total)	--	--	--	--	--	CNS	--	--	5.70E-03	--	5.70E-03
			Chemical Total	0.00E+00	0.00E+00	1.98E-03	0.00E+00	1.98E-03		0.00E+00	0.00E+00	2.72E+00	0.00E+00	2.72E+00
		Exposure Point Total						1.98E-03						2.72E+00
	Exposure Medium Total							1.98E-03						2.72E+00
Medium Total								7.16E-03						1.31E+02
Receptor Total							Receptor Risk Total	7.17E-03					Receptor HI Total	1.31E+02

TABLE [illegible].7.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
									Total Organ 1 (Liver) HI Across All Media =					1.06E+02
									Total Organ 2 (Kidney) HI Across All Media =					1.01E+02
									Total Organ 3 (Fetus) HI Across All Media =					9.88E+01
									Total Organ 4 (Nervous System) HI Across All Media =					1.39E+01
									Total Organ 5 (Endocrine system) HI Across All Media =					1.96E+00
									Total Organ 6 (Blood) HI Across All Media =					6.05E+00
									Total Organ 7 (Skin) HI Across All Media =					1.94E+00
									Total Organ 8 (No Observed Effect) HI Across All Media =					4.39E+00
									Total Organ 9 (Unknown Systems) HI Across All Media =					6.67E-01
									Total Organ 10 (Gastrointestinal System) HI Across All Media =					6.03E-02
									Total Organ 11 (Vision/Eye) HI Across All Media =					3.04E-02
									Total Organ 12 (Body Weight) HI Across All Media =					NA
									Total Organ 13 (Developmental) HI Across All Media =					6.04E-03
									Total Organ 13 (Respiratory/lung) HI Across All Media =					9.78E-03
									Total Organ 13 (whole body) HI Across All Media =					1.44E+00
									Total Organ 13 (Immune System) HI Across All Media =					1.24E+01
									Total Organ 13 (Reproductive System) HI Across All Media =					NA
									Total Organ 13 (Finger and Toe Nail) HI Across All Media =					2.57E-02
									Total Organ 13 (Nasal Tissue) HI Across All Media =					1.45E-01

Notes:

--	Not applicable or not available
COPC	Chemicals of Potential Concern
CNS	Central nervous system
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
GI	Gastrointestinal
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile Organic Compound

TABLE F-9.3.8.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs)	Soil	Site Soil	2,4-Dimethylphenol	--	--	--	--	--	Brain/Body Systems	2.43E-05	6.80E-07	--	1.05E-04	1.30E-04
			2-Methylnaphthalene	--	--	--	--	--	Lungs	1.05E-04	2.93E-06	--	--	1.08E-04
			4-Methyl-2-pentanone	--	--	--	--	--	Whole Body	5.47E-04	1.53E-05	--	--	5.62E-04
			Acenaphthene	--	--	--	--	--	Liver	3.20E-05	1.16E-05	--	--	4.36E-05
			Acenaphthylene	--	--	--	--	--	Liver	3.46E-06	9.68E-08	--	--	3.55E-06
			Aluminum	--	--	--	--	--	CNS	8.79E-02	2.46E-04	--	--	8.81E-02
			Anthracene	--	--	--	--	--	No observed effect	1.74E-05	6.32E-06	--	--	2.37E-05
			Antimony	--	--	--	--	--	Whole body, Blood, Immune System	8.31E-02	2.33E-04	--	--	8.33E-02
			Aroclor-1254	6.58E-08	2.58E-08	--	9.92E-10	9.25E-08	Eye/Finger and Toe nails	1.92E-02	7.52E-03	--	2.89E-04	2.70E-02
			Aroclor-1260	4.40E-07	1.72E-07	--	2.77E-09	6.15E-07	Eye/Finger and Toe nails	1.28E-01	5.03E-02	--	8.08E-04	1.79E-01
			Arsenic	4.12E-06	3.46E-07	--	1.63E-06	6.10E-06	Skin	1.07E-01	8.97E-03	--	4.23E-02	1.58E-01
			Barium	--	--	--	--	--	Kidney	7.47E-03	2.99E-04	--	--	7.77E-03
			Benzene	7.23E-11	2.03E-12	--	--	7.44E-11	Blood	3.84E-06	1.07E-07	--	--	3.94E-06
			Benzo(a)anthracene	1.30E-06	4.75E-07	--	8.39E-09	1.79E-06	--	--	--	--	--	--
			Benzo(a)pyrene	6.18E-06	2.25E-06	--	2.64E-08	8.45E-06	--	--	--	--	--	--
			Benzo(b)fluoranthene	1.15E-06	4.20E-07	--	5.84E-09	1.58E-06	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	1.21E-04	4.40E-05	--	--	1.65E-04
			Benzo(k)fluoranthene	2.79E-08	1.02E-08	--	1.18E-10	3.82E-08	--	--	--	--	--	--
			Beryllium	--	--	--	--	--	GI Tract	1.28E-02	5.11E-03	--	--	1.79E-02
			bis(2-ethylhexyl)phthalate	4.32E-09	--	--	2.53E-13	4.32E-09	Liver	1.80E-04	5.04E-06	--	1.05E-08	1.85E-04
			Cadmium	--	--	--	--	--	Kidney	9.56E-02	2.68E-04	--	4.79E-01	5.75E-01
			Carbazole	1.71E-08	4.79E-10	--	3.86E-08	5.62E-08	--	--	--	--	--	--
			Carbon disulfide	--	--	--	--	--	Developmental	6.39E-07	4.47E-07	--	--	1.09E-06
			Chlorobenzene	--	--	--	--	--	Liver	1.28E-06	3.58E-08	--	--	1.31E-06
			Chloroform	--	--	--	--	--	Liver	2.56E-06	7.16E-08	--	--	2.63E-06
			Chromium	--	--	--	--	--	No observed effect	3.03E-04	8.48E-07	--	--	3.04E-04
			Chrysene	1.09E-08	3.98E-09	--	7.03E-11	1.50E-08	--	--	--	--	--	--
			Cobalt	--	--	--	--	--	Blood	4.92E-03	1.38E-05	--	--	4.94E-03
			Copper	--	--	--	--	--	Gi Tract/Kidney	6.07E-03	1.70E-05	--	--	6.09E-03
			Dibenzo(a,h)anthracene	8.29E-07	3.02E-07	--	2.30E-09	1.13E-06	--	--	--	--	--	--
			Dibenzofuran	--	--	--	--	--	Kidney	1.09E-03	3.04E-05	--	--	1.12E-03
			di-n-Butylphthalate	--	--	--	--	--	Whole Body	1.18E-05	3.29E-09	--	1.52E-07	1.19E-05
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	1.55E-03	5.63E-04	--	1.07E-05	2.12E-03
			Fluorene	--	--	--	--	--	Blood	6.09E-05	2.22E-05	--	--	8.30E-05
			Indeno(1,2,3-cd)pyrene	1.92E-07	6.99E-08	--	6.98E-10	2.63E-07	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	5.29E-01	1.48E-03	--	--	5.31E-01
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	1.05E-01	2.94E-04	--	--	1.05E-01
			Mercury	--	--	--	--	--	Immune System	2.68E-02	--	--	1.64E-02	4.33E-02
			Methylene chloride	2.05E-10	5.75E-12	--	--	2.11E-10	Liver	5.33E-06	1.49E-07	--	--	5.48E-06
			Methyl-T-Butyl-Ether	1.42E-10	3.98E-12	--	--	1.46E-10	Liver/Kidney/Periocular Tissue	1.07E-06	3.00E-08	--	--	1.10E-06
			Molybdenum	--	--	--	--	--	CNS	2.22E-03	6.23E-06	--	--	2.23E-03
			Naphthalene	5.68E-09	2.07E-09	--	--	7.74E-09	Whole Body	2.76E-05	1.00E-05	--	--	3.76E-05
			Nickel	--	--	--	--	--	Whole Body	2.55E-02	1.79E-03	--	1.65E-02	4.38E-02
			Phenanthrene	--	--	--	--	--	No observed effect	8.16E-05	2.28E-06	--	--	8.39E-05
			Pyrene	--	--	--	--	--	Kidney	9.47E-04	3.45E-04	--	--	1.29E-03
			Selenium	--	--	--	--	--	Whole Body	7.38E-04	6.88E-06	--	4.70E-04	1.21E-03

TABLE [illegible].8.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs) (continued)	Soil (continued)	Site Soil (continued)	Silver	--	--	--	--	--	SKin	4.60E-03	3.22E-04	--	--	4.92E-03
			Thallium	--	--	--	--	--	Liver, Blood	9.08E-02	--	--	--	9.08E-02
			Vanadium	--	--	--	--	--	Kidney	4.93E-02	5.31E-03	--	--	5.46E-02
			Xylene (Total)	--	--	--	--	--	Whole Body	1.28E-07	3.58E-09	--	--	1.31E-07
			Zinc	--	--	--	--	--	Blood	1.83E-03	5.13E-06	--	4.74E-03	6.57E-03
			Chemical Total	1.43E-05	4.08E-06	0.00E+00	1.72E-06	2.01E-05		1.39E+00	8.32E-02	0.00E+00	5.61E-01	2.04E+00
		Exposure Point Total						2.01E-05						2.04E+00
	Exposure Medium Total							2.01E-05						2.04E+00
	Air	Outdoor Air (Particulates and VOCs)	2,4-Dimethylphenol	--	--	--	--	--	--	--	--	9.28E-10	--	9.28E-10
			2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	1.02E-04	--	1.02E-04
			Acenaphthene	--	--	--	--	--	Liver	--	--	8.96E-06	--	8.96E-06
			Acenaphthylene	--	--	--	--	--	Liver	--	--	9.68E-07	--	9.68E-07
			Aluminum	--	--	--	--	--	Respiratory system	--	--	2.35E-03	--	2.35E-03
			Anthracene	--	--	--	--	--	No observed effect	--	--	1.25E-06	--	1.25E-06
			Antimony	--	--	--	--	--	--	--	--	--	--	--
			Aroclor-1254	--	--	2.51E-12	--	2.51E-12	Immune System/ Eye/Finger and Toe nails	--	--	7.32E-07	--	7.32E-07
			Aroclor-1260	--	--	1.68E-11	--	1.68E-11	Immune System/ Eye/Finger and Toe nails	--	--	4.90E-06	--	4.90E-06
			Arsenic	--	--	1.57E-09	--	1.57E-09	--	--	--	--	--	--
			Barium	--	--	--	--	--	Developmental	--	--	1.43E-04	--	1.43E-04
			Benzene	--	--	6.63E-10	--	6.63E-10	Blood	--	--	3.34E-05	--	3.34E-05
			Benzo(a)anthracene	--	--	4.98E-11	--	4.98E-11	--	--	--	--	--	--
			Benzo(a)pyrene	--	--	2.36E-10	--	2.36E-10	--	--	--	--	--	--
			Benzo(b)fluoranthene	--	--	4.40E-11	--	4.40E-11	--	--	--	--	--	--
			Benzo(g,h,i)perylene	--	--	--	--	--	Kidney	--	--	4.62E-09	--	4.62E-09
			Benzo(k)fluoranthene	--	--	1.07E-12	--	1.07E-12	--	--	--	--	--	--
			Beryllium	--	--	7.03E-10	--	7.03E-10	Immune System/Lung	--	--	1.71E-04	--	1.71E-04
			bis(2-ethylhexyl)phthalate	--	--	1.65E-13	--	1.65E-13	--	--	--	6.24E-09	--	6.24E-09
			Cadmium	--	--	9.85E-10	--	9.85E-10	--	--	--	--	--	--
			Carbazole	--	--	6.53E-13	--	6.53E-13	--	--	--	--	--	--
			Carbon disulfide	--	--	--	--	--	CNS	--	--	1.34E-05	--	1.34E-05
			Chlorobenzene	--	--	--	--	--	Liver	--	--	1.19E-05	--	1.19E-05
			Chloroform	--	--	3.29E-09	--	3.29E-09	--	--	--	3.41E-03	--	3.41E-03
			Chromium	--	--	--	--	--	--	--	--	--	--	--
			Chrysene	--	--	4.18E-13	--	4.18E-13	--	--	--	--	--	--
			Cobalt	--	--	3.16E-09	--	3.16E-09	Respiratory system	--	--	6.59E-04	--	6.59E-04
			Copper	--	--	--	--	--	--	--	--	--	--	--
			Dibenzo(a,h)anthracene	--	--	3.17E-11	--	3.17E-11	--	--	--	--	--	--
			Dibenzofuran	--	--	--	--	--	Kidney	--	--	8.43E-05	--	8.43E-05
			di-n-Butylphthalate	--	--	--	--	--	--	--	--	--	--	--
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	--	--	5.91E-08	--	5.91E-08
			Fluorene	--	--	--	--	--	Blood	--	--	8.52E-06	--	8.52E-06
			Indeno(1,2,3-cd)pyrene	--	--	7.33E-12	--	7.33E-12	--	--	--	--	--	--
			Iron	--	--	--	--	--	--	--	--	--	--	--
			Lead	--	--	--	--	--	--	--	--	--	--	--
			Manganese	--	--	--	--	--	CNS	--	--	6.75E-03	--	6.75E-03
			Mercury	--	--	--	--	--	--	--	--	--	--	--
			Methylene chloride	--	--	9.12E-10	--	9.12E-10	Liver	--	--	7.55E-06	--	7.55E-06
			Methyl-T-Butyl-Ether	--	--	7.70E-10	--	7.70E-10	Liver/Kidney/ Periocular Tissue	--	--	1.15E-05	--	1.15E-05

TABLE F-9.3.8.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs) (continued)	Air (continued)	Outdoor Air (Particulates and VOCs) (continued)	Molybdenum	--	--	--	--	--	--	--	--	--	--	--
			Naphthalene	--	--	6.65E-09	--	6.65E-09	Nasal Epithelium	--	--	7.55E-04	--	7.55E-04
			Nickel	--	--	--	--	--	Respiratory system	--	--	3.41E-04	--	3.41E-04
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	2.75E-06	--	2.75E-06
			Pyrene	--	--	--	--	--	Kidney	--	--	1.26E-05	--	1.26E-05
			Selenium	--	--	--	--	--	--	--	--	--	--	--
			Silver	--	--	--	--	--	--	--	--	--	--	--
			Thallium	--	--	--	--	--	--	--	--	--	--	--
			Vanadium	--	--	--	--	--	--	--	--	--	--	--
			Xylene (Total)	--	--	--	--	--	CNS	--	--	7.39E-06	--	7.39E-06
			Zinc	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	1.91E-08	0.00E+00	1.91E-08		0.00E+00	0.00E+00	1.49E-02	0.00E+00	1.49E-02
		Exposure Point Total						1.91E-08						1.49E-02
	Exposure Medium Total							1.91E-08						1.49E-02
Medium Total								2.02E-05						2.05E+00
Groundwater	Groundwater	Domestic Use of Groundwater	1,1,1-Trichloroethane	--	--	--	--	--	Liver	5.09E-03	5.75E-04	--	--	5.67E-03
			1,1,2-Trichloroethane	3.30E-06	1.40E-07	--	--	3.44E-06	Blood	1.69E-01	7.17E-03	--	--	1.76E-01
			1,1-Dichlorethane	3.38E-06	1.98E-07	--	--	3.58E-06	No observed effect	6.92E-02	4.04E-03	--	--	7.32E-02
			1,1-Dichlorethene	--	--	--	--	--	Liver	7.53E-01	7.90E-02	--	--	8.32E-01
			1,2,4-Trimethylbenzene	--	--	--	--	--	No observed effect	1.45E-02	9.01E-03	--	--	2.35E-02
			1,2-Dichlorobenzene	--	--	--	--	--	No observed effect	9.50E-03	4.13E-03	--	--	1.36E-02
			1,2-Dichlorethane	6.22E-06	2.19E-07	--	--	6.44E-06	Kidney	3.99E-02	1.41E-03	--	--	4.13E-02
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	1.88E+00	1.85E-01	--	--	2.06E+00
			1,2-Dichloropropane	3.73E-08	2.44E-09	--	--	3.97E-08	Blood, Liver, CNS	5.81E-03	3.80E-04	--	--	6.19E-03
			1,3,5-Trimethylbenzene	--	--	--	--	--	No observed effect	1.36E-02	8.46E-03	--	--	2.20E-02
			1,3-Dichlorobenzene	--	--	--	--	--	Liver/Thyroid	3.20E-01	1.63E-01	--	--	4.83E-01
			1,4-Dichlorobenzene	8.44E-07	3.45E-07	--	--	1.19E-06	GI Tract, Liver	1.37E-02	5.60E-03	--	--	1.93E-02
			2-Butanone	--	--	--	--	--	Developmental	7.56E-03	5.54E-05	--	--	7.62E-03
			2-Hexanone	--	--	--	--	--	CNS	1.60E-03	4.69E-05	--	--	1.65E-03
			2-Methylnaphthalene	--	--	--	--	--	Lungs	1.12E-02	1.05E-02	--	--	2.17E-02
			4-Methyl-2-pentanone	--	--	--	--	--	Whole Body	2.32E-02	6.07E-04	--	--	2.38E-02
			Acenaphthene	--	--	--	--	--	Liver	2.13E-03	1.87E-03	--	--	4.00E-03
			Acenaphthylene	--	--	--	--	--	Liver	2.13E-03	1.98E-03	--	--	4.11E-03
			Acetone	--	--	--	--	--	Kidney	1.17E-01	4.41E-04	--	--	1.18E-01
			Aluminum	--	--	--	--	--	CNS	6.31E-02	8.92E-04	--	--	6.40E-02
			Antimony	--	--	--	--	--	Whole body, Blood, Immune System	2.28E+00	1.64E-02	--	--	2.30E+00
			Arsenic	1.63E-04	2.07E-06	--	--	1.65E-04	Skin	4.22E+00	5.38E-02	--	--	4.27E+00
			Barium	--	--	--	--	--	Kidney	2.46E-01	9.36E-03	--	--	2.56E-01
			Benzene	4.79E-06	6.54E-07	--	--	5.44E-06	Blood	2.54E-01	3.47E-02	--	--	2.89E-01
			Benzo(a)anthracene	4.00E-07	2.50E-06	--	--	2.90E-06	--	--	--	--	--	--
			Benzo(a)pyrene	4.00E-06	3.27E-05	--	--	3.67E-05	--	--	--	--	--	--
			Beryllium	--	--	--	--	--	GI Tract	4.52E-02	2.81E-02	--	--	7.33E-02
			bis(2-ethylhexyl)phthalate	5.44E-07	--	--	--	5.44E-07	Liver	2.27E-02	2.95E-01	--	--	3.17E-01
			Bromodichloromethane	2.41E-06	7.99E-08	--	--	2.49E-06	Kidney	2.27E-02	7.52E-04	--	--	2.34E-02
			Cadmium	--	--	--	--	--	Kidney	2.05E+00	4.73E-03	--	--	2.05E+00
			Carbon disulfide	--	--	--	--	--	Developmental	4.81E-03	4.95E-04	--	--	5.31E-03
			Chlorobenzene	--	--	--	--	--	Liver	1.94E-02	5.22E-03	--	--	2.46E-02
			Chloroethane	1.96E-07	1.03E-08	--	--	2.07E-07	No observed effect	1.97E-03	1.04E-04	--	--	2.08E-03
			Chloroform	--	--	--	--	--	Liver	4.76E-02	2.80E-03	--	--	5.04E-02

TABLE F-9.3.8.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater (continued)	Domestic Use of Groundwater (continued)	Chloromethane	--	--	--	--	--	Liver, Kidney, Spleen, CNS	1.78E-02	4.89E-04	--	--	1.83E-02
			Chromium	--	--	--	--	--	No observed effect	6.48E-03	4.27E-05	--	--	6.52E-03
			Chromium (VI)	--	--	--	--	--	No observed effect	1.01E+01	6.64E-02	--	--	1.01E+01
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	3.55E-01	3.49E-02	--	--	3.90E-01
			Cobalt	--	--	--	--	--	Blood	4.83E-02	3.86E-04	--	--	4.87E-02
			Copper	--	--	--	--	--	Gi Tract/Kidney	1.98E-02	4.01E-05	--	--	1.98E-02
			Cyanide	--	--	--	--	--	Thyroid, CNS	2.11E-01	1.21E-03	--	--	2.12E-01
			Ethylbenzene	--	--	--	--	--	Kidney, Liver	4.59E-03	2.24E-03	--	--	6.83E-03
			Fluoranthene	--	--	--	--	--	Kidney/Liver/Blood	2.88E-03	9.74E-03	--	--	1.26E-02
			Fluorene	--	--	--	--	--	Blood	1.60E-03	1.80E-03	--	--	3.40E-03
			Hexachlorobutadiene	1.71E-07	1.37E-07	--	--	3.07E-07	Kidney	8.52E-02	6.81E-02	--	--	1.53E-01
			Iron	--	--	--	--	--	--	3.62E+00	5.90E-03	--	--	3.62E+00
			Isopropylbenzene	--	--	--	--	--	Kidney	3.52E-03	3.25E-03	--	--	6.76E-03
			Lead	--	--	--	--	--	--	--	--	--	--	--
			m,p-Xylene	--	--	--	--	--	CNS/Whole Body	4.23E-03	2.24E-03	--	--	6.47E-03
			Manganese	--	--	--	--	--	CNS	2.64E+01	2.23E-01	--	--	2.66E+01
			Mercury	--	--	--	--	--	Immune System	9.38E-03	8.84E-04	--	--	1.03E-02
			Methylene chloride	4.07E-07	1.20E-08	--	--	4.19E-07	Liver	1.06E-02	3.11E-04	--	--	1.09E-02
			Methyl-T-Butyl-Ether	6.87E-08	1.17E-09	--	--	6.99E-08	Liver/Kidney/Periocular Tissue	5.18E-04	8.79E-06	--	--	5.27E-04
			Molybdenum	--	--	--	--	--	CNS	9.59E-01	4.56E-03	--	--	9.63E-01
			Naphthalene	2.20E-05	1.01E-05	--	--	3.21E-05	Whole Body	1.07E-01	4.90E-02	--	--	1.56E-01
			n-Butylbenzene	--	--	--	--	--	Kidney, Liver	3.84E-03	3.54E-03	--	--	7.38E-03
			Nickel	--	--	--	--	--	Whole Body	5.84E-01	3.17E-02	--	--	6.16E-01
			n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--
			o-Xylene	--	--	--	--	--	CNS/Whole Body	2.19E-03	1.02E-03	--	--	3.21E-03
			Phenanthrene	--	--	--	--	--	No observed effect	4.26E-04	6.44E-04	--	--	1.07E-03
			Phenol	--	--	--	--	--	Developmental	1.41E-03	5.13E-05	--	--	1.46E-03
			p-Isopropyltoluene	--	0.00E+00	--	--	0.00E+00	--	--	--	--	--	--
			Pyrene	--	--	--	--	--	Kidney	6.39E-03	1.37E-02	--	--	2.01E-02
			sec-Butylbenzene	--	--	--	--	--	Kidney	7.99E-04	--	--	--	7.99E-04
			Selenium	--	--	--	--	--	Whole Body	1.38E-01	2.74E-03	--	--	1.41E-01
			Silver											
			Tert-Butanol	--	--	--	--	--	--	--	--	--	--	--
			tert-Butylbenzene	--	--	--	--	--	Kidney	4.79E-04	4.43E-04	--	--	9.22E-04
			Tetrachloroethene	1.73E-05	5.49E-06	--	--	2.28E-05	Liver	3.74E-02	1.19E-02	--	--	4.92E-02
			Thallium	--	--	--	--	--	Liver, Blood	7.86E+00	5.19E-02	--	--	7.91E+00
			Toluene	--	--	--	--	--	Kidney, Liver	2.03E-03	6.07E-04	--	--	2.64E-03
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	3.71E-02	1.18E-02	--	--	4.89E-02
			Trichloroethene	2.19E-03	2.27E-04	--	--	2.42E-03	Liver, Kidney, Fetus	2.13E+02	2.21E+01	--	--	2.35E+02
			Vanadium	--	--	--	--	--	Kidney	2.61E-01	8.93E-02	--	--	3.50E-01
			Vinyl chloride	1.00E-04	7.47E-06	--	--	1.08E-04	Liver	5.41E-01	4.03E-02	--	--	5.81E-01
			Xylene (Total)	--	--	--	--	--	Whole Body	5.59E-03	2.96E-03	--	--	8.55E-03
			Zinc	--	--	--	--	--	Blood	3.19E-02	7.20E-05	--	--	3.20E-02
			Chemical Total	2.52E-03	2.89E-04	0.00E+00	0.00E+00	2.81E-03		2.77E+02	2.38E+01	0.00E+00	0.00E+00	3.01E+02
		Exposure Point Total						2.81E-03						3.01E+02
	Exposure Medium Total							2.81E-03						3.01E+02
	Air	Domestic Use of Groundwater	1,1,1-Trichloroethane	--	--	--	--	--	Liver, Brain	--	--	4.75E-04	--	4.75E-04
			1,1,2-Trichloroethane	--	--	6.81E-07	--	6.81E-07	Blood	--	--	3.55E-02	--	3.55E-02
			1,1-Dichlorethane	--	--	7.10E-07	--	7.10E-07	Kidney	--	--	1.04E-02	--	1.04E-02
			1,1-Dichlorethene	--	--	--	--	--	Liver	--	--	1.38E-01	--	1.38E-01
			1,2,4-Trimethylbenzene	--	--	--	--	--	CNS	--	--	8.93E-02	--	8.93E-02

TABLE F-9.3.8.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Air (continued)	Domestic Use of Groundwater (continued)	1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	3.15E-03	--	3.15E-03
			1,2-Dichlorethane	--	--	1.31E-06	--	1.31E-06	Liver	--	--	2.44E-04	--	2.44E-04
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	--	--	3.94E-01	--	3.94E-01
			1,2-Dichloropropane	--	--	7.82E-09	--	7.82E-09	--	--	--	1.22E-03	--	1.22E-03
			1,3,5-Trimethylbenzene	--	--	--	--	--	CNS	--	--	8.39E-02	--	8.39E-02
			1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	2.01E-03	--	2.01E-03
			1,4-Dichlorobenzene	--	--	1.62E-07	--	1.62E-07	Liver	--	--	3.77E-04	--	3.77E-04
			2-Butanone	--	--	--	--	--	Developmental	--	--	6.67E-04	--	6.67E-04
			2-Hexanone	--	--	--	--	--	CNS	--	--	3.12E-05	--	3.12E-05
			2-MethylNaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	4.53E-04	--	4.53E-04
			Acenaphthene	--	--	--	--	--	Liver	--	--	4.47E-04	--	4.47E-04
			Acenaphthylene	--	--	--	--	--	Liver	--	--	4.47E-04	--	4.47E-04
			Acetone	--	--	--	--	--	Kidney	--	--	2.47E-02	--	2.47E-02
			Benzene	--	--	4.94E-07	--	4.94E-07	Blood	--	--	2.49E-02	--	2.49E-02
			Bromodichloromethane	--	--	5.07E-07	--	5.07E-07	Kidney	--	--	4.77E-03	--	4.77E-03
			Carbon disulfide	--	--	--	--	--	CNS	--	--	5.05E-04	--	5.05E-04
			Chlorobenzene	--	--	--	--	--	Liver	--	--	4.76E-03	--	4.76E-03
			Chloroethane	--	--	4.12E-08	--	4.12E-08	Fetus	--	--	5.72E-05	--	5.72E-05
			Chloroform	--	--	6.89E-07	--	6.89E-07	--	--	--	7.14E-01	--	7.14E-01
			Chloromethane	--	--	--	--	--	CNS	--	--	3.79E-03	--	3.79E-03
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	7.45E-02	--	7.45E-02
			Cyanide	--	--	--	--	--	--	--	--	--	--	--
			Ethylbenzene	--	--	--	--	--	Developmental	--	--	3.38E-04	--	3.38E-04
			Fluorene	--	--	--	--	--	Blood	--	--	3.36E-04	--	3.36E-04
			Hexachlorobutadiene	--	--	3.59E-08	--	3.59E-08	Kidney	--	--	1.79E-02	--	1.79E-02
			Isopropylbenzene	--	--	--	--	--	Kidney	--	--	6.71E-04	--	6.71E-04
			m,p-Xylene	--	--	--	--	--	CNS	--	--	6.22E-03	--	6.22E-03
			Methylene Chloride	--	--	1.87E-08	--	1.87E-08	Liver	--	--	1.55E-04	--	1.55E-04
			Methyl-T-Butyl-ether	--	--	7.30E-09	--	7.30E-09	Liver/Kidney/ Periocular Tissue	--	--	1.09E-04	--	1.09E-04
			Naphthalene	--	--	4.62E-06	--	4.62E-06	Nasal Epithelium	--	--	5.24E-01	--	5.24E-01
			n-Butylbenzene	--	--	--	--	--	--	--	--	2.82E-03	--	2.82E-03
			n-propylbenzene	--	--	--	--	--	--	--	--	4.10E-03	--	4.10E-03
			o-Xylene	--	--	--	--	--	CNS	--	--	3.22E-03	--	3.22E-03
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	8.95E-05	--	8.95E-05
			Pyrene	--	--	--	--	--	Kidney	--	--	1.34E-03	--	1.34E-03
			sec-Butylbenzene	--	--	--	--	--	--	--	--	5.87E-04	--	5.87E-04
			tert-Butylbenzene	--	--	--	--	--	--	--	--	3.52E-04	--	3.52E-04
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	7.79E-03	--	7.79E-03
			Tetrachloroethene	--	--	1.41E-07	--	1.41E-07	CNS	--	--	4.58E-04	--	4.58E-04
			Toluene	--	--	--	--	--	CNS	--	--	7.46E-04	--	7.46E-04
			Trichloroethene	--	--	4.60E-04	--	4.60E-04	CNS/Liver/Endocrine System	--	--	1.34E+00	--	1.34E+00
			Vinyl chloride	--	--	9.05E-07	--	9.05E-07	Liver	--	--	1.19E-02	--	1.19E-02
			Xylene (Total)	--	--	--	--	--	CNS	--	--	8.22E-03	--	8.22E-03
			Chemical Total	0.00E+00	0.00E+00	4.71E-04	0.00E+00	4.71E-04		0.00E+00	0.00E+00	3.55E+00	0.00E+00	3.55E+00
		Exposure Point Total						4.71E-04						3.55E+00
	Exposure Medium Total							4.71E-04						3.55E+00
	Groundwater Vapor Intrusion Indoor Air	Indoor Air (inhalation)	1,1,1-Trichloroethane	--	--	--	--	--	Liver, Brain	--	--	2.06E-03	--	2.06E-03
			1,1,2-Trichloroethane	--	--	1.42E-07	--	1.42E-07	Blood	--	--	7.39E-03	--	7.39E-03
			1,1-Dichlorethane	--	--	9.95E-07	--	9.95E-07	Kidney	--	--	1.45E-02	--	1.45E-02
			1,1-Dichlorethene	--	--	--	--	--	Liver	--	--	1.12E+00	--	1.12E+00
			1,2,4-Trimethylbenzene	--	--	--	--	--	CNS	--	--	8.85E-02	--	8.85E-02

TABLE F-3.3.8.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Groundwater (continued)	Groundwater Vapor Intrusion Indoor Air (continued)	Indoor Air (inhalation) (continued)	1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	1.07E-03	--	1.07E-03
			1,2-Dichlorethane	--	--	3.87E-07	--	3.87E-07	Liver	--	--	7.24E-05	--	7.24E-05
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	--	--	3.92E-01	--	3.92E-01
			1,2-Dichloropropane	--	--	5.28E-09	--	5.28E-09	--	--	--	8.24E-04	--	8.24E-04
			1,3,5-Trimethylbenzene	--	--	--	--	--	CNS	--	--	7.90E-02	--	7.90E-02
			1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	1.16E-03	--	1.16E-03
			1,4-Dichlorobenzene	--	--	7.19E-08	--	7.19E-08	Liver	--	--	1.67E-04	--	1.67E-04
			2-Butanone	--	--	--	--	--	Developmental	--	--	1.06E-05	--	1.06E-05
			2-Hexanone	--	--	--	--	--	CNS	--	--	9.83E-07	--	9.83E-07
			2-MethylNaphthalene	--	--	--	--	--	--	--	--	--	--	--
			4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	1.43E-05	--	1.43E-05
			Acenaphthene	--	--	--	--	--	Liver	--	--	7.00E-06	--	7.00E-06
			Acenaphthylene	--	--	--	--	--	Liver	--	--	7.00E-06	--	7.00E-06
			Acetone	--	--	--	--	--	Kidney	--	--	3.90E-04	--	3.90E-04
			Benzene	--	--	7.47E-07	--	7.47E-07	Blood	--	--	3.77E-02	--	3.77E-02
			Bromodichloromethane	--	--	8.74E-08	--	8.74E-08	Kidney	--	--	8.23E-04	--	8.23E-04
			Carbon disulfide	--	--	--	--	--	CNS	--	--	5.18E-03	--	5.18E-03
			Chlorobenzene	--	--	--	--	--	Liver	--	--	3.72E-03	--	3.72E-03
			Chloroethane	--	--	2.35E-07	--	2.35E-07	Fetus	--	--	3.26E-04	--	3.26E-04
			Chloroform	--	--	8.10E-07	--	8.10E-07	--	--	--	8.39E-01	--	8.39E-01
			Chloromethane	--	--	--	--	--	CNS	--	--	1.47E-02	--	1.47E-02
			cis-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	7.41E-02	--	7.41E-02
			Cyanide	--	--	--	--	--	--	--	--	--	--	--
			Ethylbenzene	--	--	--	--	--	Developmental	--	--	5.60E-04	--	5.60E-04
			Fluorene	--	--	--	--	--	Blood	--	--	2.16E-06	--	2.16E-06
			Hexachlorobutadiene	--	--	4.12E-08	--	4.12E-08	Kidney	--	--	2.06E-02	--	2.06E-02
			Isopropylbenzene	--	--	--	--	--	Kidney	--	--	1.24E-01	--	1.24E-01
			m,p-Xylene	--	--	--	--	--	CNS	--	--	1.02E-02	--	1.02E-02
			Methylene Chloride	--	--	1.33E-08	--	1.33E-08	Liver	--	--	1.10E-04	--	1.10E-04
			Methyl-T-Butyl-ether	--	--	1.49E-09	--	1.49E-09	Liver/Kidney/ Periocular Tissue	--	--	2.22E-05	--	2.22E-05
			Naphthalene	--	--	3.33E-07	--	3.33E-07	Nasal Epithelium	--	--	3.78E-02	--	3.78E-02
			n-Butylbenzene	--	--	--	--	--	--	--	--	5.61E-03	--	5.61E-03
			n-propylbenzene	--	--	--	--	--	--	--	--	7.15E-03	--	7.15E-03
			o-Xylene	--	--	--	--	--	CNS	--	--	3.90E-03	--	3.90E-03
			Phenanthrene	--	--	--	--	--	No observed effect	--	--	3.77E-07	--	3.77E-07
			Pyrene	--	--	--	--	--	Kidney	--	--	1.45E-06	--	1.45E-06
			sec-Butylbenzene	--	--	--	--	--	--	--	--	3.10E-06	--	3.10E-06
			tert-Butylbenzene	--	--	--	--	--	--	--	--	7.32E-04	--	7.32E-04
			trans-1,2-Dichloroethene	--	--	--	--	--	Blood	--	--	3.04E-02	--	3.04E-02
			Tetrachloroethene	--	--	5.51E-07	--	5.51E-07	CNS	--	--	1.78E-03	--	1.78E-03
			Toluene	--	--	--	--	--	CNS	--	--	1.25E-03	--	1.25E-03
			Trichloroethene	--	--	1.16E-03	--	1.16E-03	CNS/Liver/Endocrine System	--	--	3.37E+00	--	3.37E+00
			Vinyl chloride	--	--	9.37E-06	--	9.37E-06	Liver	--	--	1.23E-01	--	1.23E-01
			Xylene (Total)	--	--	--	--	--	CNS	--	--	1.35E-02	--	1.35E-02
			Chemical Total	0.00E+00	0.00E+00	1.17E-03	0.00E+00	1.17E-03		0.00E+00	0.00E+00	6.43E+00	0.00E+00	6.43E+00
		Exposure Point Total						1.17E-03						6.43E+00
	Exposure Medium Total							1.17E-03						6.43E+00
Medium Total								4.45E-03						3.11E+02
Receptor Total							Receptor Risk Total	4.47E-03					Receptor HI Total	3.13E+02

TABLE F-9.3.8.RME
EPA RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCS (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
									Total Organ 1 (Liver) HI Across All Media =					2.52E+02
									Total Organ 2 (Kidney) HI Across All Media =					2.39E+02
									Total Organ 3 (Fetus) HI Across All Media =					2.35E+02
									Total Organ 4 (Nervous System) HI Across All Media =					3.32E+01
									Total Organ 5 (Endocrine system) HI Across All Media =					5.22E+00
									Total Organ 6 (Blood) HI Across All Media =					1.45E+01
									Total Organ 7 (Skin) HI Across All Media =					4.58E+00
									Total Organ 8 (No Observed Effect) HI Across All Media =					1.03E+01
									Total Organ 9 (Unknown Systems) HI Across All Media =					2.29E+00
									Total Organ 10 (Gastrointestinal System) HI Across All Media =					1.65E-01
									Total Organ 11 (Vision/Eye) HI Across All Media =					2.17E-01
									Total Organ 12 (Body Weight) HI Across All Media =					NA
									Total Organ 13 (Developmental) HI Across All Media =					1.46E-02
									Total Organ 13 (Respiratory/lung) HI Across All Media =					2.51E-02
									Total Organ 13 (whole body) HI Across All Media =					3.43E+00
									Total Organ 13 (Immune System) HI Across All Media =					2.90E+01
									Total Organ 13 (Reproductive System) HI Across All Media =					NA
									Total Organ 13 (Finger and Toe Nail) HI Across All Media =					2.06E-01
									Total Organ 13 (Nasal Tissue) HI Across All Media =					5.63E-01

Notes:

--	Not applicable or not available
COPC	Chemicals of Potential Concern
CNS	Central nervous system
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
GI	Gastrointestinal
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile Organic Compound

TABLE F-[illegible].3.1.RME
EPA RAGS PART D TABLE 10
RISK SUMMARY
CURRENT INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-2 ft bgs)	Soil	Site Soil	**Arsenic**	**1.24E-06**	**2.46E-07**	--	--	**1.49E-06**	--	--	--	--	--	--
			Benzo(a)pyrene	**3.61E-06**	**3.10E-06**	--	--	**6.71E-06**	--	--	--	--	--	--
			Chemical Total	4.86E-06	3.35E-06	0.00E+00	0.00E+00	8.20E-06		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						8.20E-06						0.00E+00
	Exposure Medium Total							8.20E-06						0.00E+00
	Air	Outdoor Air (Particulates and VOCs)	--	--	--	--	--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						0.00E+00						0.00E+00
	Exposure Medium Total							0.00E+00						0.00E+00
Medium Total								8.20E-06						0.00E+00
Groundwater	Groundwater Vapor Intrusion Indoor Air	Indoor Air (Inhalation)	**1,1-Dichlorethane**	--	--	**1.26E-06**	--	**1.26E-06**	--	--	--	--	--	--
			Chloroform	--	--	**1.03E-06**	--	**1.03E-06**	--	--	--	--	--	--
			Trichloroethene	--	--	**1.46E-03**	--	**1.46E-03**	--	--	--	--	--	--
			Vinyl chloride	--	--	**6.12E-06**	--	**6.12E-06**	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	1.47E-03	0.00E+00	1.47E-03		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						1.47E-03						0.00E+00
	Exposure Medium Total							1.47E-03						0.00E+00
Medium Total								1.47E-03						0.00E+00
Receptor Total							Receptor Risk Total	1.48E-03					Receptor HI Total	0.00E+00

Notes:

--	Not applicable or not available
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile organic compound

TABLE F-10.3.2.RME
EPA RAGS PART D TABLE 10
RISK SUMMARY
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-2 ft bgs)	Soil	Site Soil	--	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						0.00E+00						0.00E+00
	Exposure Medium Total							0.00E+00						0.00E+00
	Air	Outdoor Air (Particulates and VOCs)	--	--	--	--	--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						0.00E+00						0.00E+00
	Exposure Medium Total							0.00E+00						0.00E+00
Medium Total								0.00E+00						0.00E+00
Groundwater	Groundwater Vapor Intrusion Indoor Air	Indoor Air (inhalation)	**1,4-Dichlorobenzene**	--	--	**5.08E-05**	--	**5.08E-05**	--	--	--	--	--	--
			Trichloroethene	--	--	**6.97E-06**	--	**6.97E-06**	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	5.78E-05	0.00E+00	5.78E-05		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						5.78E-05						0.00E+00
	Exposure Medium Total							5.78E-05						0.00E+00
Medium Total								5.78E-05						0.00E+00
Receptor Total							Receptor Risk Total	5.78E-05					Receptor HI Total	0.00E+00

Notes:

--	Not applicable or not available
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile organic compound

TABLE F-10.3.3.RME
EPA RAGS PART D TABLE 10
RISK SUMMARY
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-2 ft bgs)	Soil	Site Soil	**Arsenic**	**1.67E-06**	**2.00E-07**	--	**6.19E-06**	**8.06E-06**	--	--	--	--	--	--
			Benzo(a)pyrene	**4.86E-06**	**2.52E-06**	--	**1.93E-07**	**7.57E-06**	--	--	--	--	--	--
			Chemical Total	6.53E-06	2.72E-06	0.00E+00	6.38E-06	1.56E-05		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						1.56E-05						0.00E+00
	Exposure Medium Total							1.56E-05						0.00E+00
	Air	Outdoor Air (Particulates and VOCs)	--	--	--	--	--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						0.00E+00						0.00E+00
	Exposure Medium Total							0.00E+00						0.00E+00
Medium Total								1.56E-05						0.00E+00
Groundwater	Groundwater	Domestic Use of Groundwater	**1,1,2-Trichloroethane**	**5.66E-06**	**1.90E-07**	--	--	**5.85E-06**	--	--	--	--	--	--
			1,1-Dichlorethane	**5.79E-06**	**2.68E-07**	--	--	**6.06E-06**	--	--	--	--	--	--
			1,2-Dichlorethane	**1.07E-05**	**2.97E-07**	--	--	**1.10E-05**	--	--	--	--	--	--
			1,4-Dichlorobenzene	**1.45E-06**	**4.68E-07**	--	--	**1.92E-06**	--	--	--	--	--	--
			Arsenic	**2.79E-04**	**2.81E-06**	--	--	**2.82E-04**	Skin	**1.81E+00**	**1.82E-02**	--	--	**1.83E+00**
			Benzene	**8.21E-06**	**8.87E-07**	--	--	**9.10E-06**	--	--	--	--	--	--
			Benzo(a)anthracene	**6.86E-07**	**3.39E-06**	--	--	**4.08E-06**	--	--	--	--	--	--
			Benzo(a)pyrene	**6.86E-06**	**4.44E-05**	--	--	**5.12E-05**	--	--	--	--	--	--
			Bromodichloromethane	**4.14E-06**	**1.08E-07**	--	--	**4.24E-06**	--	--	--	--	--	--
			Chromium (VI)	--	--	--	--	--	No observed effect	**4.31E+00**	**2.25E-02**	--	--	**4.33E+00**
			Iron	--	--	--	--	--	--	**1.55E+00**	**2.00E-03**	--	--	**1.55E+00**
			Manganese	--	--	--	--	--	CNS	**1.13E+01**	**7.56E-02**	--	--	**1.14E+01**
			Naphthalene	**3.77E-05**	**1.37E-05**	--	--	**5.14E-05**	--	--	--	--	--	--
			Tetrachloroethene	**2.96E-05**	**7.44E-06**	--	--	**3.71E-05**	--	--	--	--	--	--
			Thallium	--	--	--	--	--	Liver, Blood	**3.37E+00**	**1.76E-02**	--	--	**3.39E+00**
			Trichloroethene	**3.76E-03**	**3.08E-04**	--	--	**4.07E-03**	Liver, Kidney, Fetus	**9.14E+01**	**7.49E+00**	--	--	**9.88E+01**
			Vinyl chloride	**1.72E-04**	**1.01E-05**	--	--	**1.82E-04**	--	--	--	--	--	--
			Chemical Total	4.32E-03	3.92E-04	0.00E+00	0.00E+00	4.71E-03		1.14E+02	7.62E+00	0.00E+00	0.00E+00	1.21E+02
		Exposure Point Total						4.71E-03						1.21E+02
	Exposure Medium Total							4.71E-03						1.21E+02
	Air	Domestic Use of Groundwater	**1,2-Dichlorethane**	--	--	**1.28E-06**	--	**1.28E-06**	--	--	--	--	--	--
			Naphthalene	--	--	**4.54E-06**	--	**4.54E-06**	--	--	--	--	--	--
			Trichloroethene	--	--	**4.52E-04**	--	**4.52E-04**	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	4.58E-04	0.00E+00	4.58E-04		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						4.58E-04						0.00E+00
	Exposure Medium Total							4.58E-04						0.00E+00
	Groundwater Vapor Intrusion Indoor Air	Indoor Air (inhalation)	**1,1-Dichlorethane**	--	--	**1.69E-06**	--	**1.69E-06**	--	--	--	--	--	--
			Benzene	--	--	**1.27E-06**	--	**1.27E-06**	--	--	--	--	--	--
			Chloroform	--	--	**1.37E-06**	--	**1.37E-06**	--	--	--	--	--	--
			Trichloroethene	--	--	**1.96E-03**	--	**1.96E-03**	CNS/Liver/Endocrine System	--	--	**1.43E+00**	--	**1.43E+00**
			Vinyl chloride	--	--	**1.59E-05**	--	**1.59E-05**	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	1.98E-03	0.00E+00	1.98E-03		0.00E+00	0.00E+00	1.43E+00	0.00E+00	1.43E+00
		Exposure Point Total						1.98E-03						1.43E+00
	Exposure Medium Total							1.98E-03						1.43E+00
Medium Total								7.15E-03						1.23E+02
Receptor Total							Receptor Risk Total	7.16E-03					Receptor HI Total	1.23E+02

TABLE F-10.3.3.RME
EPA RAGS PART D TABLE 10
RISK SUMMARY (continued)
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total

Notes:

--	Not applicable or not available
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile organic compound

TABLE F-[illegible].3.4.RME
EPA RAGS PART D TABLE 10
RISK SUMMARY
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-2 ft bgs)	Soil	Site Soil	**Arsenic**	**3.90E-06**	**3.28E-07**	--	**1.55E-06**	**5.77E-06**	--	--	--	--	--	--
			Benzo(a)pyrene	**1.13E-05**	**4.12E-06**	--	**4.84E-08**	**1.55E-05**	--	--	--	--	--	--
			Chemical Total	1.52E-05	4.45E-06	0.00E+00	1.60E-06	2.13E-05		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						2.13E-05						0.00E+00
	Exposure Medium Total							2.13E-05						0.00E+00
	Air	Outdoor Air (Particulates and VOCs)	--	--	--	--	--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						0.00E+00						0.00E+00
	Exposure Medium Total							0.00E+00						0.00E+00
Medium Total								2.13E-05						0.00E+00
Groundwater	Groundwater	Domestic Use of Groundwater	**1,1,2-Trichloroethane**	**3.30E-06**	**1.40E-07**	--	--	**3.44E-06**	--	--	--	--	--	--
			1,1-Dichlorethane	**3.38E-06**	**1.98E-07**	--	--	**3.58E-06**	--	--	--	--	--	--
			1,2-Dichlorethane	**6.22E-06**	**2.19E-07**	--	--	**6.44E-06**	--	--	--	--	--	--
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	**1.88E+00**	**1.85E-01**	--	--	**2.06E+00**
			1,4-Dichlorobenzene	**8.44E-07**	**3.45E-07**	--	--	**1.19E-06**	--	--	--	--	--	--
			Antimony	--	--	--	--	--	Whole body, Blood, Immune System	**2.28E+00**	**1.64E-02**	--	--	**2.30E+00**
			Arsenic	**1.63E-04**	**2.07E-06**	--	--	**1.65E-04**	Skin	**4.22E+00**	**5.38E-02**	--	--	**4.27E+00**
			Benzene	**4.79E-06**	**6.54E-07**	--	--	**5.44E-06**	--	--	--	--	--	--
			Benzo(a)anthracene	**4.00E-07**	**2.50E-06**	--	--	**2.90E-06**	--	--	--	--	--	--
			Benzo(a)pyrene	**4.00E-06**	**3.27E-05**	--	--	**3.67E-05**	--	--	--	--	--	--
			Bromodichloromethane	**2.41E-06**	**7.99E-08**	--	--	**2.49E-06**	--	--	--	--	--	--
			Cadmium	--	--	--	--	--	Kidney	**2.05E+00**	**4.73E-03**	--	--	**2.05E+00**
			Chromium (VI)	--	--	--	--	--	No observed effect	**1.01E+01**	**6.64E-02**	--	--	**1.01E+01**
			Iron	--	--	--	--	--	--	**3.62E+00**	**5.90E-03**	--	--	**3.62E+00**
			Manganese	--	--	--	--	--	CNS	**2.64E+01**	**2.23E-01**	--	--	**2.66E+01**
			Naphthalene	**2.20E-05**	**1.01E-05**	--	--	**3.21E-05**	--	--	--	--	--	--
			Tetrachloroethene	**1.73E-05**	**5.49E-06**	--	--	**2.28E-05**	--	--	--	--	--	--
			Thallium	--	--	--	--	--	Liver, Blood	**7.86E+00**	**5.19E-02**	--	--	**7.91E+00**
			Trichloroethene	**2.19E-03**	**2.27E-04**	--	--	**2.42E-03**	Liver, Kidney, Fetus	**2.13E+02**	**2.21E+01**	--	--	**2.35E+02**
			Vinyl chloride	**1.00E-04**	**7.47E-06**	--	--	**1.08E-04**	--	--	--	--	--	--
			Chemical Total	2.52E-03	2.89E-04	0.00E+00	0.00E+00	2.81E-03		2.72E+02	2.27E+01	0.00E+00	0.00E+00	2.94E+02
		Exposure Point Total						2.81E-03						2.94E+02
	Exposure Medium Total							2.81E-03						2.94E+02
	Air	Domestic Use of Groundwater	**1,2-Dichlorethane**	--	--	**1.31E-06**	--	**1.31E-06**	--	--	--	--	--	--
			Naphthalene	--	--	**4.62E-06**	--	**4.62E-06**	--	--	--	--	--	--
			Trichloroethene	--	--	**4.60E-04**	--	**4.60E-04**	CNS/Liver/Endocrine System	--	--	**1.34E+00**	--	**1.34E+00**
			Chemical Total	0.00E+00	0.00E+00	4.66E-04	0.00E+00	4.66E-04		0.00E+00	0.00E+00	1.34E+00	0.00E+00	1.34E+00
		Exposure Point Total						4.66E-04						1.34E+00
	Exposure Medium Total							4.66E-04						1.34E+00
	Groundwater Vapor Intrusion Indoor Air	Indoor Air (inhalation)	**1,1-Dichlorethene**	--	--	--	--	--	Liver	--	--	**1.12E+00**	--	**1.12E+00**
			Trichloroethene	--	--	**1.16E-03**	--	**1.16E-03**	CNS/Liver/Endocrine System	--	--	**3.37E+00**	--	**3.37E+00**
			Vinyl chloride	--	--	**9.37E-06**	--	**9.37E-06**	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	1.17E-03	0.00E+00	1.17E-03		0.00E+00	0.00E+00	4.49E+00	0.00E+00	4.49E+00
		Exposure Point Total						1.17E-03						4.49E+00
	Exposure Medium Total							1.17E-03						4.49E+00
Medium Total								4.44E-03						3.00E+02
Receptor Total							Receptor Risk Total	4.46E-03					Receptor HI Total	3.00E+02

TABLE F-10.3.4.RME
EPA RAGS PART D TABLE 10
RISK SUMMARY (continued)
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total

Notes:

--	Not applicable or not available
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile organic compound

TABLE F ..3.5.RME
EPA RAGS PART D TABLE 10
RISK SUMMARY
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs)	Soil	Site Soil	**Arsenic**	**2.40E-06**	**4.74E-07**	--	--	**2.87E-06**	--	--	--	--	--	--
			Benzo(a)pyrene	**1.97E-06**	**1.69E-06**	--	--	**3.66E-06**	--	--	--	--	--	--
			Chemical Total	4.37E-06	2.16E-06	0.00E+00	0.00E+00	6.53E-06		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						6.53E-06						0.00E+00
	Exposure Medium Total							6.53E-06						0.00E+00
	Air	Outdoor Air	--	--	--	--	--	--	--	--	--	--	--	--
		(Particulates and VOCs)	Chemical Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						0.00E+00						0.00E+00
	Exposure Medium Total							0.00E+00						0.00E+00
Medium Total								6.53E-06						0.00E+00
Groundwater	Groundwater Vapor Intrusion Indoor Air	Indoor Air	**Trichloroethene**	--	--	**1.46E-04**	--	**1.46E-04**	--	--	--	--	--	--
		(Inhalation)	Chemical Total	0.00E+00	0.00E+00	1.46E-04	0.00E+00	1.46E-04		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						1.46E-04						0.00E+00
	Exposure Medium Total							1.46E-04						0.00E+00
Medium Total								1.46E-04						0.00E+00
Receptor Total							Receptor Risk Total	1.53E-04					Receptor HI Total	0.00E+00

Notes:

--	Not applicable or not available
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile organic compound

TABLE F-10.3.6.RME
EPA RAGS PART D TABLE 10
RISK SUMMARY
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs)	Soil	Site Soil	--	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						0.00E+00						0.00E+00
	Exposure Medium Total							0.00E+00						0.00E+00
	Air	Outdoor Air (Particulates and VOCs)	--	--	--	--	--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						0.00E+00						0.00E+00
	Exposure Medium Total							0.00E+00						0.00E+00
Medium Total								0.00E+00						0.00E+00
Groundwater	Groundwater Vapor Intrusion Indoor Air	Indoor Air (inhalation)	**1,4-Dichlorobenzene**	--	--	**5.08E-05**	--	**5.08E-05**	--	--	--	--	--	--
			Trichloroethene	--	--	**6.97E-06**	--	**6.97E-06**	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	5.78E-05	0.00E+00	5.78E-05		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						5.78E-05						0.00E+00
	Exposure Medium Total							5.78E-05						0.00E+00
Medium Total								5.78E-05						0.00E+00
Receptor Total						Receptor Risk Total		5.78E-05				Receptor HI Total		0.00E+00

Notes:

--	Not applicable or not available
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile organic compound

TABLE F-10.3.7.RME
EPA RAGS PART D TABLE 10
RISK SUMMARY
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs)	Soil	Site Soil	--	--	--	--	--	--	--	--	--	--	--	--
			Arsenic	1.76E-06	2.11E-07	--	6.53E-06	8.51E-06	--	--	--	--	--	--
			Benzo(a)pyrene	2.65E-06	1.37E-06	--	1.06E-07	4.13E-06	--	--	--	--	--	--
			Chemical Total	4.41E-06	1.58E-06	0.00E+00	6.64E-06	1.26E-05		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						1.26E-05						0.00E+00
	Exposure Medium Total							1.26E-05						0.00E+00
	Air	Outdoor Air (Particulates and VOCs)	--	--	--	--	--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						0.00E+00						0.00E+00
	Exposure Medium Total							0.00E+00						0.00E+00
Medium Total								1.26E-05						0.00E+00
Groundwater	Groundwater	Domestic Use of Groundwater	1,1,2-Trichloroethane	5.66E-06	1.90E-07	--	--	5.85E-06	--	--	--	--	--	--
			1,1-Dichlorethane	5.79E-06	2.68E-07	--	--	6.06E-06	--	--	--	--	--	--
			1,2-Dichlorethane	1.07E-05	2.97E-07	--	--	1.10E-05	--	--	--	--	--	--
			1,4-Dichlorobenzene	1.45E-06	4.68E-07	--	--	1.92E-06	--	--	--	--	--	--
			Arsenic	2.79E-04	2.81E-06	--	--	2.82E-04	Skin	1.81E+00	1.82E-02	--	--	1.83E+00
			Benzene	8.21E-06	8.87E-07	--	--	9.10E-06	--	--	--	--	--	--
			Benzo(a)anthracene	6.86E-07	3.39E-06	--	--	4.08E-06	--	--	--	--	--	--
			Benzo(a)pyrene	6.86E-06	4.44E-05	--	--	5.12E-05	--	--	--	--	--	--
			Bromodichloromethane	4.14E-06	1.08E-07	--	--	4.24E-06	--	--	--	--	--	--
			Chromium (VI)	--	--	--	--	--	No observed effect	4.31E+00	2.25E-02	--	--	4.33E+00
			Iron	--	--	--	--	--	--	1.55E+00	2.00E-03	--	--	1.55E+00
			Manganese	--	--	--	--	--	CNS	1.13E+01	7.56E-02	--	--	1.14E+01
			Naphthalene	3.77E-05	1.37E-05	--	--	5.14E-05	--	--	--	--	--	--
			Tetrachloroethene	2.96E-05	7.44E-06	--	--	3.71E-05	--	--	--	--	--	--
			Thallium	--	--	--	--	--	Liver, Blood	3.37E+00	1.76E-02	--	--	3.39E+00
			Trichloroethene	3.76E-03	3.08E-04	--	--	4.07E-03	Liver, Kidney, Fetus	9.14E+01	7.49E+00	--	--	9.88E+01
			Vinyl chloride	1.72E-04	1.01E-05	--	--	1.82E-04	--	--	--	--	--	--
			Chemical Total	4.32E-03	3.92E-04	0.00E+00	0.00E+00	4.71E-03		1.14E+02	7.62E+00	0.00E+00	0.00E+00	1.21E+02
		Exposure Point Total						4.71E-03						1.21E+02
	Exposure Medium Total							4.71E-03						1.21E+02
	Air	Domestic Use of Groundwater	1,2-Dichlorethane	--	--	1.28E-06	--	1.28E-06	--	--	--	--	--	--
			Naphthalene	--	--	4.54E-06	--	4.54E-06	--	--	--	--	--	--
			Trichloroethene	--	--	4.52E-04	--	4.52E-04	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	4.58E-04	0.00E+00	4.58E-04		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						4.58E-04						0.00E+00
	Exposure Medium Total							4.58E-04						0.00E+00
	Groundwater Vapor	Indoor Air (inhalation)	1,1-Dichlorethane	--	--	1.69E-06	--	1.69E-06	--	--	--	--	--	--
			Benzene	--	--	1.27E-06	--	1.27E-06	--	--	--	--	--	--
			Chloroform	--	--	1.37E-06	--	1.37E-06	--	--	--	--	--	--
			Trichloroethene	--	--	1.96E-03	--	1.96E-03	CNS/Liver/Endocrine System	--	--	1.43E+00	--	1.43E+00
			Vinyl chloride	--	--	1.59E-05	--	1.59E-05	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	1.98E-03	0.00E+00	1.98E-03		0.00E+00	0.00E+00	1.43E+00	0.00E+00	1.43E+00
		Exposure Point Total						1.98E-03						1.43E+00
	Exposure Medium Total							1.98E-03						1.43E+00
Medium Total								7.15E-03						1.23E+02
Receptor Total							Receptor Risk Total	7.16E-03					Receptor HI Total	1.23E+02

TABLE F-10.3.7.RME
EPA RAGS PART D TABLE 10
RISK SUMMARY (continued)
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total

Notes:

--	Not applicable or not available
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile organic compound

TABLE F-[illegible]3.8.RME
EPA RAGS PART D TABLE 10
RISK SUMMARY
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total
Soil (0-8 ft bgs)	Soil	Site Soil	Arsenic	4.12E-06	3.46E-07	--	1.63E-06	6.10E-06	--	--	--	--	--	--
			Benzo(a)anthracene	1.30E-06	4.75E-07	--	8.39E-09	1.79E-06	--	--	--	--	--	--
			Benzo(a)pyrene	6.18E-06	2.25E-06	--	2.64E-08	8.45E-06	--	--	--	--	--	--
			Benzo(b)fluoranthene	1.15E-06	4.20E-07	--	5.84E-09	1.58E-06	--	--	--	--	--	--
			Dibenzo(a,h)anthracene	8.29E-07	3.02E-07	--	2.30E-09	1.13E-06	--	--	--	--	--	--
			Chemical Total	1.36E-05	3.79E-06	0.00E+00	1.68E-06	1.90E-05		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						1.90E-05						0.00E+00
	Exposure Medium Total							1.90E-05						0.00E+00
	Air	Outdoor Air (Particulates and VOCs)	--	--	--	--	--	--	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Exposure Point Total						0.00E+00						0.00E+00
	Exposure Medium Total							0.00E+00						0.00E+00
Medium Total								1.90E-05						0.00E+00
Groundwater	Groundwater	Domestic Use of Groundwater	1,1,2-Trichloroethane	3.30E-06	1.40E-07	--	--	3.44E-06	--	--	--	--	--	--
			1,1-Dichlorethane	3.38E-06	1.98E-07	--	--	3.58E-06	--	--	--	--	--	--
			1,2-Dichlorethane	6.22E-06	2.19E-07	--	--	6.44E-06	--	--	--	--	--	--
			1,2-Dichlorethene (Total)	--	--	--	--	--	Blood	1.88E+00	1.85E-01	--	--	2.06E+00
			1,4-Dichlorobenzene	8.44E-07	3.45E-07	--	--	1.19E-06	--	--	--	--	--	--
			Antimony	--	--	--	--	--	Whole body, Blood, Immune System	2.28E+00	1.64E-02	--	--	2.30E+00
			Arsenic	1.63E-04	2.07E-06	--	--	1.65E-04	Skin	4.22E+00	5.38E-02	--	--	4.27E+00
			Benzene	4.79E-06	6.54E-07	--	--	5.44E-06	--	--	--	--	--	--
			Benzo(a)anthracene	4.00E-07	2.50E-06	--	--	2.90E-06	--	--	--	--	--	--
			Benzo(a)pyrene	4.00E-06	3.27E-05	--	--	3.67E-05	--	--	--	--	--	--
			Bromodichloromethane	2.41E-06	7.99E-08	--	--	2.49E-06	--	--	--	--	--	--
			Cadmium	--	--	--	--	--	Kidney	2.05E+00	4.73E-03	--	--	2.05E+00
			Chromium (VI)	--	--	--	--	--	No observed effect	1.01E+01	6.64E-02	--	--	1.01E+01
			Iron	--	--	--	--	--	--	3.62E+00	5.90E-03	--	--	3.62E+00
			Manganese	--	--	--	--	--	CNS	2.64E+01	2.23E-01	--	--	2.66E+01
			Naphthalene	2.20E-05	1.01E-05	--	--	3.21E-05	--	--	--	--	--	--
			Tetrachloroethene	1.73E-05	5.49E-06	--	--	2.28E-05	--	--	--	--	--	--
			Thallium	--	--	--	--	--	Liver, Blood	7.86E+00	5.19E-02	--	--	7.91E+00
			Trichloroethene	2.19E-03	2.27E-04	--	--	2.42E-03	Liver, Kidney, Fetus	2.13E+02	2.21E+01	--	--	2.35E+02
			Vinyl chloride	1.00E-04	7.47E-06	--	--	1.08E-04	--	--	--	--	--	--
			Chemical Total	2.52E-03	2.89E-04	0.00E+00	0.00E+00	2.81E-03		2.72E+02	2.27E+01	0.00E+00	0.00E+00	2.94E+02
		Exposure Point Total						2.81E-03						2.94E+02
	Exposure Medium Total							2.81E-03						2.94E+02
	Air	Domestic Use of Groundwater	1,2-Dichlorethane	--	--	1.31E-06	--	1.31E-06	--	--	--	--	--	--
			Naphthalene	--	--	4.62E-06	--	4.62E-06	--	--	--	--	--	--
			Trichloroethene	--	--	4.60E-04	--	4.60E-04	CNS/Liver/Endocrine System	--	--	1.34E+00	--	1.34E+00
			Chemical Total	0.00E+00	0.00E+00	4.66E-04	0.00E+00	4.66E-04		0.00E+00	0.00E+00	1.34E+00	0.00E+00	1.34E+00
		Exposure Point Total						4.66E-04						1.34E+00
	Exposure Medium Total							4.66E-04						1.34E+00
	Groundwater Vapor Intrusion Indoor Air	Indoor Air (inhalation)	1,1-Dichlorethene	--	--	--	--	--	Liver	--	--	1.12E+00	--	1.12E+00
			Trichloroethene	--	--	1.16E-03	--	1.16E-03	CNS/Liver/Endocrine System	--	--	3.37E+00	--	3.37E+00
			Vinyl chloride	--	--	9.37E-06	--	9.37E-06	--	--	--	--	--	--
			Chemical Total	0.00E+00	0.00E+00	1.17E-03	0.00E+00	1.17E-03		0.00E+00	0.00E+00	4.49E+00	0.00E+00	4.49E+00
		Exposure Point Total						1.17E-03						4.49E+00
	Exposure Medium Total							1.17E-03						4.49E+00
Medium Total								4.44E-03						2.99E+02
Receptor Total							Receptor Risk Total	4.46E-03					Receptor HI Total	2.99E+02

TABLE F-10.3.8.RME
EPA RAGS PART D TABLE 10
RISK SUMMARY (continued)
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 11, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient					
				Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Dermal	Inhalation	Ingestion of Home-Grown Produce	Exposure Routes Total

Notes:

--	Not applicable or not available
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
HI	Hazard index
RAGS	Risk Assessment Guidelines for Superfund
RI	Remedial Investigation
RME	Reasonable maximum exposure
VOC	Volatile organic compound

TABLE F-7.4.1.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
CURRENT INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Ingestion	2-Methylnaphthalene	1.84E-02	mg/kg	1.80E-08	mg/kg-day	4.00E-03	mg/kg-day	4.50E-06
				4,4'-DDD	1.20E-02	mg/kg	1.17E-08	mg/kg-day	5.00E-04	mg/kg-day	2.35E-05
				4,4'-DDT	5.80E-02	mg/kg	5.68E-08	mg/kg-day	5.00E-04	mg/kg-day	1.14E-04
				Acenaphthene	1.00E-02	mg/kg	9.78E-09	mg/kg-day	6.00E-02	mg/kg-day	1.63E-07
				Acenaphthylene	2.10E-03	mg/kg	2.05E-09	mg/kg-day	6.00E-02	mg/kg-day	3.42E-08
				Acetone	5.00E-03	mg/kg	4.89E-09	mg/kg-day	9.00E-01	mg/kg-day	5.44E-09
				Aluminum	1.47E+04	mg/kg	1.44E-02	mg/kg-day	1.00E+00	mg/kg-day	1.44E-02
				Anthracene	1.52E-02	mg/kg	1.49E-08	mg/kg-day	3.00E-01	mg/kg-day	4.96E-08
				Antimony	5.73E+00	mg/kg	5.60E-06	mg/kg-day	4.00E-04	mg/kg-day	1.40E-02
				Aroclor-1260	1.40E-01	mg/kg	1.37E-07	mg/kg-day	2.00E-05	mg/kg-day	6.85E-03
				Arsenic	2.00E+01	mg/kg	1.96E-05	mg/kg-day	3.00E-04	mg/kg-day	6.52E-02
				Barium	2.33E+02	mg/kg	2.28E-04	mg/kg-day	7.00E-02	mg/kg-day	3.25E-03
				Benzo(a)anthracene	3.31E-02	mg/kg	3.24E-08	mg/kg-day	--	--	--
				Benzo(a)pyrene	4.33E-02	mg/kg	4.24E-08	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.92E-02	mg/kg	1.88E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.48E-02	mg/kg	2.42E-08	mg/kg-day	3.00E-02	mg/kg-day	8.08E-07
				Benzo(k)fluoranthene	2.58E-02	mg/kg	2.52E-08	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	2.45E-06	mg/kg-day	2.00E-03	mg/kg-day	1.22E-03
				bis(2-ethylhexyl)phthalate	5.20E-02	mg/kg	5.09E-08	mg/kg-day	2.00E-02	mg/kg-day	2.54E-06
				Cadmium	9.50E+00	mg/kg	9.30E-06	mg/kg-day	5.00E-04	mg/kg-day	1.86E-02
				Chromium	3.56E+01	mg/kg	3.48E-05	mg/kg-day	1.50E+00	mg/kg-day	2.32E-05
				Chrysene	7.03E-02	mg/kg	6.88E-08	mg/kg-day	--	--	--
				Cobalt	1.47E+01	mg/kg	1.44E-05	mg/kg-day	2.00E-02	mg/kg-day	7.20E-04
				Copper	6.64E+01	mg/kg	6.49E-05	mg/kg-day	4.00E-02	mg/kg-day	1.62E-03
				Dibenzo(a,h)anthracene	1.71E-02	mg/kg	1.67E-08	mg/kg-day	--	--	--
				di-n-Butylphthalate	7.10E-02	mg/kg	6.95E-08	mg/kg-day	1.00E-01	mg/kg-day	6.95E-07
				Fluoranthene	2.33E-02	mg/kg	2.28E-08	mg/kg-day	4.00E-02	mg/kg-day	5.69E-07
				Fluorene	2.00E-02	mg/kg	1.96E-08	mg/kg-day	4.00E-02	mg/kg-day	4.90E-07
				Indeno(1,2,3-cd)pyrene	3.82E-02	mg/kg	3.74E-08	mg/kg-day	--	--	--
				Iron	2.55E+04	mg/kg	2.49E-02	mg/kg-day	3.00E-01	mg/kg-day	8.31E-02
				Lead	1.32E+02	mg/kg	1.29E-04	mg/kg-day	--	--	--

TABLE F-7.4.1.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
CURRENT INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Soil (Cont.)	Site Soil (Cont.)	Ingestion (Cont.)	Manganese	4.87E+02	mg/kg	4.77E-04	mg/kg-day	2.40E-02	mg/kg-day	1.99E-02
				Mercury	1.26E+00	mg/kg	1.24E-06	mg/kg-day	3.00E-04	mg/kg-day	4.12E-03
				Molybdenum	2.80E+00	mg/kg	2.74E-06	mg/kg-day	5.00E-03	mg/kg-day	5.48E-04
				Naphthalene	1.62E-02	mg/kg	1.58E-08	mg/kg-day	2.00E-02	mg/kg-day	7.92E-07
				Nickel	2.99E+01	mg/kg	2.92E-05	mg/kg-day	2.00E-02	mg/kg-day	1.46E-03
				Phenanthrene	2.98E-02	mg/kg	2.91E-08	mg/kg-day	3.00E-01	mg/kg-day	9.72E-08
				Pyrene	3.12E-02	mg/kg	3.05E-08	mg/kg-day	3.00E-02	mg/kg-day	1.02E-06
				Silver	2.86E+00	mg/kg	2.80E-06	mg/kg-day	5.00E-03	mg/kg-day	5.61E-04
				Thallium	2.23E+00	mg/kg	2.18E-06	mg/kg-day	6.60E-05	mg/kg-day	3.30E-02
				Vanadium	5.83E+01	mg/kg	5.71E-05	mg/kg-day	7.00E-03	mg/kg-day	8.15E-03
				Zinc	1.12E+02	mg/kg	1.09E-04	mg/kg-day	3.00E-01	mg/kg-day	3.64E-04
			Exposure Route Total								**2.77E-01**
			Dermal	2-Methylnaphthalene	1.84E-02	mg/kg	1.2E-09	mg/kg-day	4.00E-03	mg/kg-day	2.97E-07
				4,4'-DDD	1.20E-02	mg/kg	7.7E-10	mg/kg-day	5.00E-04	mg/kg-day	1.55E-06
				4,4'-DDT	5.80E-02	mg/kg	1.1E-08	mg/kg-day	5.00E-04	mg/kg-day	2.25E-05
				Acenaphthene	1.00E-02	mg/kg	8.4E-09	mg/kg-day	6.00E-02	mg/kg-day	1.40E-07
				Acenaphthylene	2.10E-03	mg/kg	1.4E-10	mg/kg-day	6.00E-02	mg/kg-day	2.26E-09
				Acetone	5.00E-03	mg/kg	3.2E-10	mg/kg-day	9.00E-01	mg/kg-day	3.59E-10
				Aluminum	1.47E+04	mg/kg	9.5E-05	mg/kg-day	1.00E+00	mg/kg-day	9.49E-05
				Anthracene	1.52E-02	mg/kg	1.3E-08	mg/kg-day	3.00E-01	mg/kg-day	4.25E-08
				Antimony	5.73E+00	mg/kg	3.7E-08	mg/kg-day	4.00E-04	mg/kg-day	9.25E-05
				Aroclor-1260	1.40E-01	mg/kg	1.3E-07	mg/kg-day	2.00E-05	mg/kg-day	6.33E-03
				Arsenic	2.00E+01	mg/kg	3.9E-06	mg/kg-day	3.00E-04	mg/kg-day	1.29E-02
				Barium	2.33E+02	mg/kg	1.5E-06	mg/kg-day	4.90E-03	mg/kg-day	3.07E-04
				Benzo(a)anthracene	3.31E-02	mg/kg	2.8E-08	mg/kg-day	--	--	--
				Benzo(a)pyrene	4.33E-02	mg/kg	3.6E-08	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.92E-02	mg/kg	1.6E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.48E-02	mg/kg	2.1E-08	mg/kg-day	3.00E-02	mg/kg-day	6.93E-07
				Benzo(k)fluoranthene	2.58E-02	mg/kg	2.2E-08	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	1.6E-08	mg/kg-day	1.40E-05	mg/kg-day	1.15E-03
				bis(2-ethylhexyl)phthalate	5.20E-02	mg/kg	3.4E-09	mg/kg-day	2.00E-02	mg/kg-day	1.68E-07

TABLE F-7.4.1.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
CURRENT INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Ingestion	Cadmium	9.50E+00	mg/kg	6.1E-08	mg/kg-day	5.00E-04	mg/kg-day	1.23E-04
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Chromium	3.56E+01	mg/kg	2.3E-07	mg/kg-day	1.50E+00	mg/kg-day	1.53E-07
				Chrysene	7.03E-02	mg/kg	5.9E-08	mg/kg-day	--	--	--
				Cobalt	1.47E+01	mg/kg	9.5E-08	mg/kg-day	2.00E-02	mg/kg-day	4.76E-06
				Copper	6.64E+01	mg/kg	4.3E-07	mg/kg-day	4.00E-02	mg/kg-day	1.07E-05
				Dibenzo(a,h)anthracene	1.71E-02	mg/kg	1.4E-08	mg/kg-day	--	--	--
				di-n-Butylphthalate	7.10E-02	mg/kg	4.6E-09	mg/kg-day	1.00E+01	mg/kg-day	4.59E-10
				Fluoranthene	2.33E-02	mg/kg	2.0E-08	mg/kg-day	4.00E-02	mg/kg-day	4.88E-07
				Fluorene	2.00E-02	mg/kg	1.7E-08	mg/kg-day	4.00E-02	mg/kg-day	4.20E-07
				Indeno(1,2,3-cd)pyrene	3.82E-02	mg/kg	3.2E-08	mg/kg-day	--	--	--
				Iron	2.55E+04	mg/kg	1.6E-04	mg/kg-day	3.00E-01	mg/kg-day	5.49E-04
				Lead	1.32E+02	mg/kg	8.5E-07	mg/kg-day	--	--	--
				Manganese	4.87E+02	mg/kg	3.1E-06	mg/kg-day	2.40E-02	mg/kg-day	1.31E-04
				Mercury	1.26E+00	mg/kg	--	mg/kg-day	2.10E-05	mg/kg-day	--
				Molybdenum	2.80E+00	mg/kg	1.8E-08	mg/kg-day	5.00E-03	mg/kg-day	3.62E-06
				Naphthalene	1.62E-02	mg/kg	1.4E-08	mg/kg-day	2.00E-02	mg/kg-day	6.79E-07
				Nickel	2.99E+01	mg/kg	1.9E-07	mg/kg-day	8.00E-04	mg/kg-day	2.41E-04
				Phenanthrene	2.98E-02	mg/kg	1.9E-09	mg/kg-day	3.00E-01	mg/kg-day	6.41E-09
				Pyrene	3.12E-02	mg/kg	2.6E-08	mg/kg-day	3.00E-02	mg/kg-day	8.72E-07
				Silver	2.86E+00	mg/kg	1.8E-08	mg/kg-day	2.00E-04	mg/kg-day	9.25E-05
				Thallium	2.23E+00	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Vanadium	5.83E+01	mg/kg	3.8E-07	mg/kg-day	1.82E-04	mg/kg-day	2.07E-03
				Zinc	1.12E+02	mg/kg	7.2E-07	mg/kg-day	3.00E-01	mg/kg-day	2.40E-06
			Exp. Route Total								**2.41E-02**
		Exposure Point Total									**3.01E-01**
	Exposure Medium Total										**3.01E-01**

TABLE F-7.4.1.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
CURRENT INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Air	Outdoor Air	Inhalation (particulates or VOCs)	2-Methylnaphthalene	1.30E-07	mg/m^3	2.5E-08	mg/kg-day	--	--	--
				4,4'-DDD	9.09E-12	mg/m^3	1.8E-12	mg/kg-day	5.00E-04	mg/kg-day	3.56E-09
				4,4'-DDT	4.39E-11	mg/m^3	8.6E-12	mg/kg-day	5.00E-04	mg/kg-day	1.72E-08
				Acenaphthene	5.56E-08	mg/m^3	1.1E-08	mg/kg-day	6.00E-02	mg/kg-day	1.81E-07
				Acenaphthylene	1.17E-08	mg/m^3	2.3E-09	mg/kg-day	6.00E-02	mg/kg-day	3.81E-08
				Acetone	3.97E-07	mg/m^3	7.8E-08	mg/kg-day	9.00E-01	mg/kg-day	8.63E-08
				Aluminum	1.11E-05	mg/m^3	2.2E-06	mg/kg-day	1.43E-03	mg/kg-day	1.52E-03
				Anthracene	2.17E-08	mg/m^3	4.3E-09	mg/kg-day	3.00E-01	mg/kg-day	1.42E-08
				Antimony	4.34E-09	mg/m^3	8.5E-10	mg/kg-day	--	--	--
				Aroclor-1260	1.06E-10	mg/m^3	2.1E-11	mg/kg-day	2.00E-05	mg/kg-day	1.04E-06
				Arsenic	1.52E-08	mg/m^3	3.0E-09	mg/kg-day	--	mg/kg-day	--
				Barium	1.76E-07	mg/m^3	3.4E-08	mg/kg-day	1.40E-04	mg/kg-day	2.46E-04
				Benzo(a)anthracene	2.51E-11	mg/m^3	4.9E-12	mg/kg-day	--	--	--
				Benzo(a)pyrene	3.28E-11	mg/m^3	6.4E-12	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.46E-11	mg/m^3	2.8E-12	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	1.88E-11	mg/m^3	3.7E-12	mg/kg-day	3.00E-02	mg/kg-day	1.22E-10
				Benzo(k)fluoranthene	1.95E-11	mg/m^3	3.8E-12	mg/kg-day	--	--	--
				Beryllium	1.89E-09	mg/m^3	3.7E-10	mg/kg-day	5.71E-06	mg/kg-day	6.49E-05
				bis(2-ethylhexyl)phthalate	3.94E-11	mg/m^3	7.7E-12	mg/kg-day	2.20E-02	mg/kg-day	3.50E-10
				Cadmium	7.20E-09	mg/m^3	1.4E-09	mg/kg-day	--	mg/kg-day	--
				Chromium	2.70E-08	mg/m^3	5.3E-09	mg/kg-day	--	--	--
				Chrysene	5.32E-11	mg/m^3	1.0E-11	mg/kg-day	--	--	--
				Cobalt	1.12E-08	mg/m^3	2.2E-09	mg/kg-day	5.71E-06	mg/kg-day	3.82E-04
				Copper	5.03E-08	mg/m^3	9.8E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.29E-11	mg/m^3	2.5E-12	mg/kg-day	--	--	--
				di-n-Butylphthalate	5.38E-11	mg/m^3	1.1E-11	mg/kg-day	--	--	--
				Fluoranthene	1.76E-11	mg/m^3	3.4E-12	mg/kg-day	4.00E-02	mg/kg-day	8.62E-11
				Fluorene	5.56E-08	mg/m^3	1.1E-08	mg/kg-day	4.00E-02	mg/kg-day	2.72E-07
				Indeno(1,2,3-cd)pyrene	2.89E-11	mg/m^3	5.7E-12	mg/kg-day	--	--	--
				Iron	1.93E-05	mg/m^3	3.8E-06	mg/kg-day	--	--	--
				Lead	1.00E-07	mg/m^3	2.0E-08	mg/kg-day	--	--	--

TABLE F-7.4.1.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
CURRENT INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Air	Outdoor Air	Inhalation (particulates or VOCs)	Manganese	3.69E-07	mg/m^3	7.2E-08	mg/kg-day	1.43E-05	mg/kg-day	5.06E-03
				Mercury	9.57E-10	mg/m^3	1.9E-10	mg/kg-day	--	mg/kg-day	--
				Molybdenum	2.12E-09	mg/m^3	4.2E-10	mg/kg-day	--	--	--
				Naphthalene	3.76E-07	mg/m^3	7.4E-08	mg/kg-day	8.57E-04	mg/kg-day	8.59E-05
				Nickel	2.26E-08	mg/m^3	4.4E-09	mg/kg-day	5.71E-05	mg/kg-day	7.74E-05
				Phenanthrene	1.99E-08	mg/m^3	3.9E-09	mg/kg-day	3.00E-01	mg/kg-day	1.30E-08
				Pyrene	8.20E-09	mg/m^3	1.6E-09	mg/kg-day	3.00E-02	mg/kg-day	5.35E-08
				Silver	2.17E-09	mg/m^3	4.2E-10	mg/kg-day	--	--	--
				Thallium	1.69E-09	mg/m^3	3.3E-10	mg/kg-day	--	--	--
				Vanadium	4.42E-08	mg/m^3	8.6E-09	mg/kg-day	--	--	--
				Zinc	8.45E-08	mg/m^3	1.7E-08	mg/kg-day	--	mg/kg-day	--
			Exposure Route Total								**7.44E-03**
		Exposure Point Total									**7.44E-03**
	Exposure Medium Total										**7.44E-03**
Medium Total											**3.09E-01**
Groundwater	Groundwater	Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-04	#N/A	3.94E-05	mg/kg-day	6.30E-01	mg/kg-day	6.26E-05
				1,1,2-Trichloroethane	4.59E-06	mg/m^3	8.97E-07	mg/kg-day	4.00E-03	mg/kg-day	2.24E-04
				1,1-Dichlorethane	3.16E-04	mg/m^3	6.19E-05	mg/kg-day	1.40E-01	mg/kg-day	4.42E-04
				1,1-Dichlorethene	9.92E-03	mg/m^3	1.94E-03	mg/kg-day	5.71E-02	mg/kg-day	3.40E-02
				1,2,4-Trimethylbenzene	2.33E-05	mg/m^3	4.57E-06	mg/kg-day	1.70E-03	mg/kg-day	2.69E-03
				1,2-Dichlorobenzene	9.49E-06	mg/m^3	1.86E-06	mg/kg-day	5.70E-02	mg/kg-day	3.26E-05
				1,2-Dichlorethane	7.70E-06	mg/m^3	1.51E-06	mg/kg-day	6.86E-01	mg/kg-day	2.20E-06
				1,2-Dichlorethene (Total)	6.08E-04	mg/m^3	1.19E-04	mg/kg-day	1.00E-02	mg/kg-day	1.19E-02
				1,2-Dichloropropane	1.41E-07	mg/m^3	2.75E-08	mg/kg-day	1.10E-03	mg/kg-day	2.50E-05
				1,3,5-Trimethylbenzene	2.08E-05	mg/m^3	4.08E-06	mg/kg-day	1.70E-03	mg/kg-day	2.40E-03
				1,3-Dichlorobenzene	5.39E-06	mg/m^3	1.05E-06	mg/kg-day	3.00E-02	mg/kg-day	3.51E-05
				1,4-Dichlorobenzene	5.92E-06	mg/m^3	1.16E-06	mg/kg-day	2.29E-01	mg/kg-day	5.07E-06
				2-Butanone	2.35E-06	mg/m^3	4.60E-07	mg/kg-day	1.43E+00	mg/kg-day	3.22E-07
				2-Hexanone	1.31E-07	mg/m^3	2.57E-08	mg/kg-day	8.60E-01	mg/kg-day	2.99E-08
				2-MethylNaphthalene	8.28E-08	mg/m^3	1.62E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-06	mg/m^3	3.72E-07	mg/kg-day	8.60E-01	mg/kg-day	4.33E-07
				Acenaphthene	6.52E-08	mg/m^3	1.28E-08	mg/kg-day	6.00E-02	mg/kg-day	2.13E-07
				Acenaphthylene	6.52E-08	mg/m^3	1.28E-08	mg/kg-day	6.00E-02	mg/kg-day	2.13E-07
				Acetone	5.45E-05	mg/m^3	1.07E-05	mg/kg-day	9.00E-01	mg/kg-day	1.18E-05

TABLE F-7.4.1.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
CURRENT INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Indoor Air (Cont.)	Inhalation (Vapor Intrusion) (Cont.)	Benzene	5.01E-05	mg/m^3	9.80E-06	mg/kg-day	8.57E-03	mg/kg-day	1.14E-03
				Bromodichloromethane	2.55E-06	mg/m^3	5.00E-07	mg/kg-day	2.00E-02	mg/kg-day	2.50E-05
				Carbon disulfide	1.61E-04	mg/m^3	3.15E-05	mg/kg-day	2.00E-01	mg/kg-day	1.57E-04
				Chlorobenzene	9.89E-06	mg/m^3	1.94E-06	mg/kg-day	1.71E-02	mg/kg-day	1.13E-04
				Chloroethane	1.47E-04	mg/m^3	2.87E-05	mg/kg-day	2.90E+00	mg/kg-day	9.91E-06
				Chloroform	1.82E-05	mg/m^3	3.57E-06	mg/kg-day	1.40E-04	mg/kg-day	2.55E-02
				Chloromethane	5.88E-05	mg/m^3	1.15E-05	mg/kg-day	2.57E-02	mg/kg-day	4.47E-04
				cis-1,2-Dichloroethene	1.15E-04	mg/m^3	2.25E-05	mg/kg-day	1.00E-02	mg/kg-day	2.25E-03
				Cyanide	9.60E-06	mg/m^3	1.88E-06	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	2.48E-05	mg/m^3	4.86E-06	mg/kg-day	2.86E-01	mg/kg-day	1.70E-05
				Fluorene	1.34E-08	mg/m^3	2.62E-09	mg/kg-day	4.00E-02	mg/kg-day	6.56E-08
				Hexachlorobutadiene	9.57E-07	mg/m^3	1.87E-07	mg/kg-day	3.00E-04	mg/kg-day	6.24E-04
				Isopropylbenzene	2.12E-03	mg/m^3	4.15E-04	mg/kg-day	1.10E-01	mg/kg-day	3.78E-03
				m,p-Xylene	4.52E-05	mg/m^3	8.84E-06	mg/kg-day	2.86E-02	mg/kg-day	3.09E-04
				Methylene Chloride	1.47E-05	mg/m^3	2.87E-06	mg/kg-day	8.57E-01	mg/kg-day	3.35E-06
				Methyl-T-Butyl-ether	2.95E-06	mg/m^3	5.78E-07	mg/kg-day	8.57E-01	mg/kg-day	6.75E-07
				Naphthalene	5.03E-06	mg/m^3	9.84E-07	mg/kg-day	8.57E-04	mg/kg-day	1.15E-03
				n-Butylbenzene	9.94E-06	mg/m^3	1.95E-06	mg/kg-day	1.14E-02	mg/kg-day	1.70E-04
				n-propylbenzene	4.44E-05	mg/m^3	8.68E-06	mg/kg-day	4.00E-02	mg/kg-day	2.17E-04
				o-Xylene	1.73E-05	mg/m^3	3.38E-06	mg/kg-day	2.86E-02	mg/kg-day	1.18E-04
				Phenanthrene	1.75E-08	mg/m^3	3.43E-09	mg/kg-day	3.00E-01	mg/kg-day	1.14E-08
				Pyrene	6.77E-09	mg/m^3	1.32E-09	mg/kg-day	3.00E-02	mg/kg-day	4.42E-08
				sec-Butylbenzene	5.50E-09	mg/m^3	1.08E-09	mg/kg-day	1.14E-02	mg/kg-day	9.42E-08
				tert-Butylbenzene	1.30E-06	mg/m^3	2.54E-07	mg/kg-day	1.14E-02	mg/kg-day	2.22E-05
				trans-1,2-Dichloroethene	9.43E-05	mg/m^3	1.85E-05	mg/kg-day	2.00E-02	mg/kg-day	9.23E-04
				Tetrachloroethene	4.75E-05	mg/m^3	9.29E-06	mg/kg-day	1.71E-01	mg/kg-day	5.42E-05
				Toluene	2.22E-05	mg/m^3	4.34E-06	mg/kg-day	1.14E-01	mg/kg-day	3.80E-05
				Trichloroethene	5.23E-03	mg/m^3	1.02E-03	mg/kg-day	1.00E-02	mg/kg-day	1.02E-01
				Vinyl chloride	5.47E-04	mg/m^3	1.07E-04	mg/kg-day	2.86E-02	mg/kg-day	3.75E-03
				Xylene (Total)	5.96E-05	mg/m^3	1.17E-05	mg/kg-day	2.86E-02	mg/kg-day	4.09E-04
			Exposure Route Total								**1.95E-01**
		Exposure Point Total									**1.95E-01**
	Exposure Medium Total										**1.95E-01**
Medium Total											**1.95E-01**
										Total of Receptor Hazards Across All Media	**5.04E-01**

TABLE F-7.4.1.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
CURRENT INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	

Notes:

--	Not applicable or not available
EPA	U.S. Environmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligrams per kilogram
mg/kg-day	Milligrams per kilogram per day
mg/m^3	Milligrams per cubic meter
RAGS	Risk Assessment Guidance for Superfund
RfD	Reference dose
RfC	Reference concentration
RME	Reasonable maximum exposure

(a) See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-7.4.2.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Ingestion	2-Methylnaphthalene	1.84E-02	mg/kg	5.94E-08	mg/kg-day	4.00E-03	mg/kg-day	1.49E-05
				4,4'-DDD	1.20E-02	mg/kg	3.87E-08	mg/kg-day	5.00E-04	mg/kg-day	7.75E-05
				4,4'-DDT	5.80E-02	mg/kg	1.87E-07	mg/kg-day	5.00E-04	mg/kg-day	3.75E-04
				Acenaphthene	1.00E-02	mg/kg	3.23E-08	mg/kg-day	6.00E-02	mg/kg-day	5.38E-07
				Acenaphthylene	2.10E-03	mg/kg	6.78E-09	mg/kg-day	6.00E-02	mg/kg-day	1.13E-07
				Acetone	5.00E-03	mg/kg	1.61E-08	mg/kg-day	9.00E-01	mg/kg-day	1.79E-08
				Aluminum	1.47E+04	mg/kg	4.74E-02	mg/kg-day	1.00E+00	mg/kg-day	4.74E-02
				Anthracene	1.52E-02	mg/kg	4.91E-08	mg/kg-day	3.00E-01	mg/kg-day	1.64E-07
				Antimony	5.73E+00	mg/kg	1.85E-05	mg/kg-day	4.00E-04	mg/kg-day	4.62E-02
				Aroclor-1260	1.40E-01	mg/kg	4.52E-07	mg/kg-day	2.00E-05	mg/kg-day	2.26E-02
				Arsenic	2.00E+01	mg/kg	6.46E-05	mg/kg-day	3.00E-04	mg/kg-day	2.15E-01
				Barium	2.33E+02	mg/kg	7.51E-04	mg/kg-day	7.00E-02	mg/kg-day	1.07E-02
				Benzo(a)anthracene	3.31E-02	mg/kg	1.07E-07	mg/kg-day	--	--	--
				Benzo(a)pyrene	4.33E-02	mg/kg	1.40E-07	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.92E-02	mg/kg	6.20E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.48E-02	mg/kg	8.00E-08	mg/kg-day	3.00E-02	mg/kg-day	2.67E-06
				Benzo(k)fluoranthene	2.58E-02	mg/kg	8.32E-08	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	8.07E-06	mg/kg-day	2.00E-03	mg/kg-day	4.04E-03
				bis(2-ethylhexyl)phthalate	5.20E-02	mg/kg	1.68E-07	mg/kg-day	2.00E-02	mg/kg-day	8.40E-06
				Cadmium	9.50E+00	mg/kg	3.07E-05	mg/kg-day	5.00E-04	mg/kg-day	6.14E-02
				Chromium	3.56E+01	mg/kg	1.15E-04	mg/kg-day	1.50E+00	mg/kg-day	7.66E-05
				Chrysene	7.03E-02	mg/kg	2.27E-07	mg/kg-day	--	--	--
				Cobalt	1.47E+01	mg/kg	4.76E-05	mg/kg-day	2.00E-02	mg/kg-day	2.38E-03
				Copper	6.64E+01	mg/kg	2.14E-04	mg/kg-day	4.00E-02	mg/kg-day	5.36E-03
				Dibenzo(a,h)anthracene	1.71E-02	mg/kg	5.51E-08	mg/kg-day	--	--	--
				di-n-Butylphthalate	7.10E-02	mg/kg	2.29E-07	mg/kg-day	1.00E-01	mg/kg-day	2.29E-06
				Fluoranthene	2.33E-02	mg/kg	7.51E-08	mg/kg-day	4.00E-02	mg/kg-day	1.88E-06
				Fluorene	2.00E-02	mg/kg	6.47E-08	mg/kg-day	4.00E-02	mg/kg-day	1.62E-06
				Indeno(1,2,3-cd)pyrene	3.82E-02	mg/kg	1.23E-07	mg/kg-day	--	--	--
				Iron	2.55E+04	mg/kg	8.23E-02	mg/kg-day	3.00E-01	mg/kg-day	2.74E-01
				Lead	1.32E+02	mg/kg	4.27E-04	mg/kg-day	--	--	--
				Manganese	4.87E+02	mg/kg	1.57E-03	mg/kg-day	2.40E-02	mg/kg-day	6.55E-02

TABLE F-7.4.2.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Soil (Cont.)	Site Soil (Cont.)	Ingestion (Cont.)	Mercury	1.26E+00	mg/kg	4.08E-06	mg/kg-day	3.00E-04	mg/kg-day	1.36E-02
				Molybdenum	2.80E+00	mg/kg	9.04E-06	mg/kg-day	5.00E-03	mg/kg-day	1.81E-03
				Naphthalene	1.62E-02	mg/kg	5.22E-08	mg/kg-day	2.00E-02	mg/kg-day	2.61E-06
				Nickel	2.99E+01	mg/kg	9.64E-05	mg/kg-day	2.00E-02	mg/kg-day	4.82E-03
				Phenanthrene	2.98E-02	mg/kg	9.62E-08	mg/kg-day	3.00E-01	mg/kg-day	3.21E-07
				Pyrene	3.12E-02	mg/kg	1.01E-07	mg/kg-day	3.00E-02	mg/kg-day	3.35E-06
				Silver	2.86E+00	mg/kg	9.25E-06	mg/kg-day	5.00E-03	mg/kg-day	1.85E-03
				Thallium	2.23E+00	mg/kg	7.19E-06	mg/kg-day	6.60E-05	mg/kg-day	1.09E-01
				Vanadium	5.83E+01	mg/kg	1.88E-04	mg/kg-day	7.00E-03	mg/kg-day	2.69E-02
				Zinc	1.12E+02	mg/kg	3.60E-04	mg/kg-day	3.00E-01	mg/kg-day	1.20E-03
			Exposure Route Total								**9.15E-01**
			Dermal	2-Methylnaphthalene	1.84E-02	mg/kg	1.8E-09	mg/kg-day	4.00E-03	mg/kg-day	4.46E-07
				4,4'-DDD	1.20E-02	mg/kg	1.2E-09	mg/kg-day	5.00E-04	mg/kg-day	2.32E-06
				4,4'-DDT	5.80E-02	mg/kg	1.7E-08	mg/kg-day	5.00E-04	mg/kg-day	3.37E-05
				Acenaphthene	1.00E-02	mg/kg	1.3E-08	mg/kg-day	6.00E-02	mg/kg-day	2.10E-07
				Acenaphthylene	2.10E-03	mg/kg	2.0E-10	mg/kg-day	6.00E-02	mg/kg-day	3.39E-09
				Acetone	5.00E-03	mg/kg	4.8E-10	mg/kg-day	9.00E-01	mg/kg-day	5.38E-10
				Aluminum	1.47E+04	mg/kg	1.4E-04	mg/kg-day	1.00E+00	mg/kg-day	1.42E-04
				Anthracene	1.52E-02	mg/kg	1.9E-08	mg/kg-day	3.00E-01	mg/kg-day	6.38E-08
				Antimony	5.73E+00	mg/kg	5.5E-08	mg/kg-day	4.00E-04	mg/kg-day	1.39E-04
				Aroclor-1260	1.40E-01	mg/kg	1.9E-07	mg/kg-day	2.00E-05	mg/kg-day	9.49E-03
				Arsenic	2.00E+01	mg/kg	5.8E-06	mg/kg-day	3.00E-04	mg/kg-day	1.94E-02
				Barium	2.33E+02	mg/kg	2.3E-06	mg/kg-day	4.90E-03	mg/kg-day	4.60E-04
				Benzo(a)anthracene	3.31E-02	mg/kg	4.2E-08	mg/kg-day	--	--	--
				Benzo(a)pyrene	4.33E-02	mg/kg	5.5E-08	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.92E-02	mg/kg	2.4E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.48E-02	mg/kg	3.1E-08	mg/kg-day	3.00E-02	mg/kg-day	1.04E-06
				Benzo(k)fluoranthene	2.58E-02	mg/kg	3.2E-08	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	2.4E-08	mg/kg-day	1.40E-05	mg/kg-day	1.73E-03
				bis(2-ethylhexyl)phthalate	5.20E-02	mg/kg	5.0E-09	mg/kg-day	2.00E-02	mg/kg-day	2.52E-07
				Cadmium	9.50E+00	mg/kg	9.2E-08	mg/kg-day	5.00E-04	mg/kg-day	1.84E-04
				Chromium	3.56E+01	mg/kg	3.4E-07	mg/kg-day	1.50E+00	mg/kg-day	2.30E-07

TABLE F-7.4.2.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Ingestion	Chrysene	7.03E-02	mg/kg	8.9E-08	mg/kg-day	--	--	--
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Cobalt	1.47E+01	mg/kg	1.4E-07	mg/kg-day	2.00E-02	mg/kg-day	7.13E-06
				Copper	6.64E+01	mg/kg	6.4E-07	mg/kg-day	4.00E-02	mg/kg-day	1.61E-05
				Dibenzo(a,h)anthracene	1.71E-02	mg/kg	2.2E-08	mg/kg-day	--	--	--
				di-n-Butylphthalate	7.10E-02	mg/kg	6.9E-09	mg/kg-day	1.00E+01	mg/kg-day	6.88E-10
				Fluoranthene	2.33E-02	mg/kg	2.9E-08	mg/kg-day	4.00E-02	mg/kg-day	7.32E-07
				Fluorene	2.00E-02	mg/kg	2.5E-08	mg/kg-day	4.00E-02	mg/kg-day	6.30E-07
				Indeno(1,2,3-cd)pyrene	3.82E-02	mg/kg	4.8E-08	mg/kg-day	--	--	--
				Iron	2.55E+04	mg/kg	2.5E-04	mg/kg-day	3.00E-01	mg/kg-day	8.23E-04
				Lead	1.32E+02	mg/kg	1.3E-06	mg/kg-day	--	--	--
				Manganese	4.87E+02	mg/kg	4.7E-06	mg/kg-day	2.40E-02	mg/kg-day	1.97E-04
				Mercury	1.26E+00	mg/kg	--	mg/kg-day	2.10E-05	mg/kg-day	--
				Molybdenum	2.80E+00	mg/kg	2.7E-08	mg/kg-day	5.00E-03	mg/kg-day	5.42E-06
				Naphthalene	1.62E-02	mg/kg	2.0E-08	mg/kg-day	2.00E-02	mg/kg-day	1.02E-06
				Nickel	2.99E+01	mg/kg	2.9E-07	mg/kg-day	8.00E-04	mg/kg-day	3.61E-04
				Phenanthrene	2.98E-02	mg/kg	2.9E-09	mg/kg-day	3.00E-01	mg/kg-day	9.62E-09
				Pyrene	3.12E-02	mg/kg	3.9E-08	mg/kg-day	3.00E-02	mg/kg-day	1.31E-06
				Silver	2.86E+00	mg/kg	2.8E-08	mg/kg-day	2.00E-04	mg/kg-day	1.39E-04
				Thallium	2.23E+00	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Vanadium	5.83E+01	mg/kg	5.6E-07	mg/kg-day	1.82E-04	mg/kg-day	3.10E-03
				Zinc	1.12E+02	mg/kg	1.1E-06	mg/kg-day	3.00E-01	mg/kg-day	3.60E-06
			Exposure Route Total								**3.62E-02**
		Exposure Point Total									**9.51E-01**
	Exposure Medium Total										**9.51E-01**

TABLE F-7.4.2.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Air	Outdoor Air	Inhalation (particulates or VOCs)	2-Methylnaphthalene	1.30E-07	mg/m^3	2.5E-08	mg/kg-day	--	--	--
				4,4'-DDD	9.09E-12	mg/m^3	1.8E-12	mg/kg-day	5.00E-04	mg/kg-day	3.56E-09
				4,4'-DDT	4.39E-11	mg/m^3	8.6E-12	mg/kg-day	5.00E-04	mg/kg-day	1.72E-08
				Acenaphthene	5.56E-08	mg/m^3	1.1E-08	mg/kg-day	6.00E-02	mg/kg-day	1.81E-07
				Acenaphthylene	1.17E-08	mg/m^3	2.3E-09	mg/kg-day	6.00E-02	mg/kg-day	3.81E-08
				Acetone	3.97E-07	mg/m^3	7.8E-08	mg/kg-day	9.00E-01	mg/kg-day	8.63E-08
				Aluminum	1.11E-05	mg/m^3	2.2E-06	mg/kg-day	1.43E-03	mg/kg-day	1.52E-03
				Anthracene	2.17E-08	mg/m^3	4.3E-09	mg/kg-day	3.00E-01	mg/kg-day	1.42E-08
				Antimony	4.34E-09	mg/m^3	8.5E-10	mg/kg-day	--	--	--
				Aroclor-1260	1.06E-10	mg/m^3	2.1E-11	mg/kg-day	2.00E-05	mg/kg-day	1.04E-06
				Arsenic	1.52E-08	mg/m^3	3.0E-09	mg/kg-day	--	mg/kg-day	--
				Barium	1.76E-07	mg/m^3	3.4E-08	mg/kg-day	1.40E-04	mg/kg-day	2.46E-04
				Benzo(a)anthracene	2.51E-11	mg/m^3	4.9E-12	mg/kg-day	--	--	--
				Benzo(a)pyrene	3.28E-11	mg/m^3	6.4E-12	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.46E-11	mg/m^3	2.8E-12	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	1.88E-11	mg/m^3	3.7E-12	mg/kg-day	3.00E-02	mg/kg-day	1.22E-10
				Benzo(k)fluoranthene	1.95E-11	mg/m^3	3.8E-12	mg/kg-day	--	--	--
				Beryllium	1.89E-09	mg/m^3	3.7E-10	mg/kg-day	5.71E-06	mg/kg-day	6.49E-05
				bis(2-ethylhexyl)phthalate	3.94E-11	mg/m^3	7.7E-12	mg/kg-day	2.20E-02	mg/kg-day	3.50E-10
				Cadmium	7.20E-09	mg/m^3	1.4E-09	mg/kg-day	--	mg/kg-day	--
				Chromium	2.70E-08	mg/m^3	5.3E-09	mg/kg-day	--	--	--
				Chrysene	5.32E-11	mg/m^3	1.0E-11	mg/kg-day	--	--	--
				Cobalt	1.12E-08	mg/m^3	2.2E-09	mg/kg-day	5.71E-06	mg/kg-day	3.82E-04
				Copper	5.03E-08	mg/m^3	9.8E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.29E-11	mg/m^3	2.5E-12	mg/kg-day	--	--	--
				di-n-Butylphthalate	5.38E-11	mg/m^3	1.1E-11	mg/kg-day	--	--	--
				Fluoranthene	1.76E-11	mg/m^3	3.4E-12	mg/kg-day	4.00E-02	mg/kg-day	8.62E-11
				Fluorene	5.56E-08	mg/m^3	1.1E-08	mg/kg-day	4.00E-02	mg/kg-day	2.72E-07
				Indeno(1,2,3-cd)pyrene	2.89E-11	mg/m^3	5.7E-12	mg/kg-day	--	--	--
				Iron	1.93E-05	mg/m^3	3.8E-06	mg/kg-day	--	--	--
				Lead	1.00E-07	mg/m^3	2.0E-08	mg/kg-day	--	--	--
				Manganese	3.69E-07	mg/m^3	7.2E-08	mg/kg-day	1.43E-05	mg/kg-day	5.06E-03

TABLE F-7.4.2.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Air (Cont.)	Outdoor Air (Cont.)	Inhalation (particulates or VOCs) (Cont.)	Mercury	9.57E-10	mg/m^3	1.9E-10	mg/kg-day	--	mg/kg-day	--
				Molybdenum	2.12E-09	mg/m^3	4.2E-10	mg/kg-day	--	--	--
				Naphthalene	3.76E-07	mg/m^3	7.4E-08	mg/kg-day	8.57E-04	mg/kg-day	8.59E-05
				Nickel	2.26E-08	mg/m^3	4.4E-09	mg/kg-day	5.71E-05	mg/kg-day	7.74E-05
				Phenanthrene	1.99E-08	mg/m^3	3.9E-09	mg/kg-day	3.00E-01	mg/kg-day	1.30E-08
				Pyrene	8.20E-09	mg/m^3	1.6E-09	mg/kg-day	3.00E-02	mg/kg-day	5.35E-08
				Silver	2.17E-09	mg/m^3	4.2E-10	mg/kg-day	--	--	--
				Thallium	1.69E-09	mg/m^3	3.3E-10	mg/kg-day	--	--	--
				Vanadium	4.42E-08	mg/m^3	8.6E-09	mg/kg-day	--	--	--
				Zinc	8.45E-08	mg/m^3	1.7E-08	mg/kg-day	--	mg/kg-day	--
			Exposure Route Total								**7.44E-03**
		Exposure Point Total									**7.44E-03**
	Exposure Medium Total										**7.44E-03**
Medium Total											**9.59E-01**
Groundwater	Groundwater	Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.29E-04	mg/m^3	4.49E-05	mg/kg-day	6.30E-01	mg/kg-day	7.12E-05
				1,1,2-Trichloroethane	5.81E-06	mg/m^3	1.14E-06	mg/kg-day	4.00E-03	mg/kg-day	2.84E-04
				1,1-Dichlorethane	3.45E-04	mg/m^3	6.76E-05	mg/kg-day	1.40E-01	mg/kg-day	4.83E-04
				1,1-Dichlorethene	1.06E-02	mg/m^3	2.07E-03	mg/kg-day	5.71E-02	mg/kg-day	3.63E-02
				1,2,4-Trimethylbenzene	--	mg/m^3	--	mg/kg-day	1.70E-03	mg/kg-day	--
				1,2-Dichlorobenzene	1.35E-05	mg/m3	2.64E-06	mg/kg-day	5.70E-02	mg/kg-day	4.63E-05
				1,2-Dichlorethane	9.78E-06	mg/m3	1.91E-06	mg/kg-day	6.86E-01	mg/kg-day	2.79E-06
				1,2-Dichlorethene (Total)	2.96E-04	mg/m^3	5.79E-05	mg/kg-day	1.00E-02	mg/kg-day	5.79E-03
				1,2-Dichloropropane	1.68E-07	mg/m^3	3.29E-08	mg/kg-day	1.10E-03	mg/kg-day	2.99E-05
				1,3,5-Trimethylbenzene	--	mg/m^3	--	mg/kg-day	1.70E-03	mg/kg-day	--
				1,3-Dichlorobenzene	5.79E-06	mg/m^3	1.13E-06	mg/kg-day	3.00E-02	mg/kg-day	3.78E-05
				1,4-Dichlorobenzene	8.27E-01	mg/m^3	1.62E-01	mg/kg-day	2.29E-01	mg/kg-day	7.08E-01
				2-Butanone	--	mg/m^3	--	mg/kg-day	1.43E+00	mg/kg-day	--
				2-Hexanone	--	mg/m^3	--	mg/kg-day	8.60E-01	mg/kg-day	--
				2-MethylNaphthalene	1.55E-07	mg/m^3	3.04E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	--	mg/m^3	--	mg/kg-day	8.60E-01	mg/kg-day	--
				Acenaphthene	1.07E-07	mg/m^3	2.09E-08	mg/kg-day	6.00E-02	mg/kg-day	3.49E-07
				Acenaphthylene	--	mg/m^3	--	mg/kg-day	6.00E-02	mg/kg-day	--

TABLE F-7.4.2.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Air	Outdoor Air	Inhalation	Acetone	6.83E-05	mg/m^3	1.34E-05	mg/kg-day	9.00E-01	mg/kg-day	1.49E-05
(Cont.)	(Cont.)	(Cont.)	(particulates or	Benzene	5.97E-05	mg/m^3	1.17E-05	mg/kg-day	8.57E-03	mg/kg-day	1.36E-03
			VOCs)	Bromodichloromethane	2.63E-06	mg/m^3	5.15E-07	mg/kg-day	2.00E-02	mg/kg-day	2.57E-05
			(Cont.)	Carbon disulfide	1.81E-04	mg/m^3	3.54E-05	mg/kg-day	2.00E-01	mg/kg-day	1.77E-04
				Chlorobenzene	1.26E-05	mg/m^3	2.47E-06	mg/kg-day	1.71E-02	mg/kg-day	1.44E-04
				Chloroethane	--	mg/m^3	--	mg/kg-day	2.90E+00	mg/kg-day	--
				Chloroform	2.17E-05	mg/m^3	4.25E-06	mg/kg-day	1.40E-04	mg/kg-day	3.03E-02
				Chloromethane	--	mg/m^3	--	mg/kg-day	2.57E-02	mg/kg-day	--
				cis-1,2-Dichloroethene	1.28E-04	mg/m^3	2.50E-05	mg/kg-day	1.00E-02	mg/kg-day	2.50E-03
				Cyanide	--	mg/m^3	--	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	3.25E-05	mg/m^3	6.36E-06	mg/kg-day	2.86E-01	mg/kg-day	2.23E-05
				Fluorene	2.06E-08	mg/m^3	4.03E-09	mg/kg-day	4.00E-02	mg/kg-day	1.01E-07
				Hexachlorobutadiene	1.40E-06	mg/m^3	2.74E-07	mg/kg-day	3.00E-04	mg/kg-day	9.13E-04
				Isopropylbenzene	2.49E-05	mg/m^3	4.88E-06	mg/kg-day	1.10E-01	mg/kg-day	4.43E-05
				m,p-Xylene	5.98E-05	mg/m^3	1.17E-05	mg/kg-day	2.86E-02	mg/kg-day	4.10E-04
				Methylene Chloride	1.68E-05	mg/m^3	3.29E-06	mg/kg-day	8.57E-01	mg/kg-day	3.84E-06
				Methyl-T-Butyl-ether	--	mg/m^3	--	mg/kg-day	8.57E-01	mg/kg-day	--
				Naphthalene	7.42E-06	mg/m^3	1.45E-06	mg/kg-day	8.57E-04	mg/kg-day	1.69E-03
				n-Butylbenzene	1.09E-05	mg/m^3	2.13E-06	mg/kg-day	1.14E-02	mg/kg-day	1.86E-04
				n-propylbenzene	5.54E-05	mg/m^3	1.08E-05	mg/kg-day	4.00E-02	mg/kg-day	2.71E-04
				o-Xylene	2.38E-05	mg/m^3	4.66E-06	mg/kg-day	2.86E-02	mg/kg-day	1.63E-04
				Phenanthrene	4.07E-08	mg/m^3	7.97E-09	mg/kg-day	3.00E-01	mg/kg-day	2.66E-08
				Pyrene	1.11E-08	mg/m^3	2.17E-09	mg/kg-day	3.00E-02	mg/kg-day	7.24E-08
				sec-Butylbenzene	2.26E-06	mg/m^3	4.43E-07	mg/kg-day	1.14E-02	mg/kg-day	3.88E-05
				tert-Butylbenzene	1.36E-06	mg/m^3	2.66E-07	mg/kg-day	1.14E-02	mg/kg-day	2.33E-05
				trans-1,2-Dichloroethene	1.18E-04	mg/m^3	2.30E-05	mg/kg-day	2.00E-02	mg/kg-day	1.15E-03
				Tetrachloroethene	5.93E-05	mg/m^3	1.16E-05	mg/kg-day	1.71E-01	mg/kg-day	6.77E-05
				Toluene	2.81E-05	mg/m^3	5.50E-06	mg/kg-day	1.14E-01	mg/kg-day	4.81E-05
				Trichloroethene	6.23E-03	mg/m^3	1.22E-03	mg/kg-day	1.00E-02	mg/kg-day	1.22E-01
				Vinyl chloride	5.58E-04	mg/m^3	1.09E-04	mg/kg-day	2.86E-02	mg/kg-day	3.82E-03
				Xylene (Total)	7.89E-05	mg/m^3	1.54E-05	mg/kg-day	2.86E-02	mg/kg-day	5.40E-04
			Exposure Route Total								**9.17E-01**

TABLE F-7.4.2.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Air	Exposure Point Total									9.17E-01
	Exposure Medium Total										9.17E-01
Medium Total											9.17E-01
										Total of Receptor Hazards Across All Media	1.88E+00

Notes:

--	Not applicable or not available
EPA	U.S. Environmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligrams per kilogram
mg/kg-day	Milligrams per kilogram per day
mg/L	Milligrams per liter
mg/m^3	Milligrams per cubic meter
RAGS	Risk Assessment Guidance for Superfund
RfD	Reference dose
RfC	Reference concentration
RME	Reasonable maximum exposure

(a) See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Ingestion	2-Methylnaphthalene	1.84E-02	mg/kg	2.52E-08	mg/kg-day	4.00E-03	mg/kg-day	6.30E-06
				4,4'-DDD	1.20E-02	mg/kg	1.64E-08	mg/kg-day	5.00E-04	mg/kg-day	3.29E-05
				4,4'-DDT	5.80E-02	mg/kg	7.95E-08	mg/kg-day	5.00E-04	mg/kg-day	1.59E-04
				Acenaphthene	1.00E-02	mg/kg	1.37E-08	mg/kg-day	6.00E-02	mg/kg-day	2.28E-07
				Acenaphthylene	2.10E-03	mg/kg	2.88E-09	mg/kg-day	6.00E-02	mg/kg-day	4.79E-08
				Acetone	5.00E-03	mg/kg	6.85E-09	mg/kg-day	9.00E-01	mg/kg-day	7.61E-09
				Aluminum	1.47E+04	mg/kg	2.01E-02	mg/kg-day	1.00E+00	mg/kg-day	2.01E-02
				Anthracene	1.52E-02	mg/kg	2.08E-08	mg/kg-day	3.00E-01	mg/kg-day	6.94E-08
				Antimony	5.73E+00	mg/kg	7.84E-06	mg/kg-day	4.00E-04	mg/kg-day	1.96E-02
				Aroclor-1260	1.40E-01	mg/kg	1.92E-07	mg/kg-day	2.00E-05	mg/kg-day	9.59E-03
				Arsenic	2.00E+01	mg/kg	2.74E-05	mg/kg-day	3.00E-04	mg/kg-day	9.13E-02
				Barium	2.33E+02	mg/kg	3.19E-04	mg/kg-day	7.00E-02	mg/kg-day	4.55E-03
				Benzo(a)anthracene	3.31E-02	mg/kg	4.53E-08	mg/kg-day	--	--	--
				Benzo(a)pyrene	4.33E-02	mg/kg	5.93E-08	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.92E-02	mg/kg	2.63E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.48E-02	mg/kg	3.39E-08	mg/kg-day	3.00E-02	mg/kg-day	1.13E-06
				Benzo(k)fluoranthene	2.58E-02	mg/kg	3.53E-08	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	3.42E-06	mg/kg-day	2.00E-03	mg/kg-day	1.71E-03
				bis(2-ethylhexyl)phthalate	5.20E-02	mg/kg	7.12E-08	mg/kg-day	2.00E-02	mg/kg-day	3.56E-06
				Cadmium	9.50E+00	mg/kg	1.30E-05	mg/kg-day	5.00E-04	mg/kg-day	2.60E-02
				Chromium	3.56E+01	mg/kg	4.88E-05	mg/kg-day	1.50E+00	mg/kg-day	3.25E-05
				Chrysene	7.03E-02	mg/kg	9.63E-08	mg/kg-day	--	--	--
				Cobalt	1.47E+01	mg/kg	2.02E-05	mg/kg-day	2.00E-02	mg/kg-day	1.01E-03
				Copper	6.64E+01	mg/kg	9.09E-05	mg/kg-day	4.00E-02	mg/kg-day	2.27E-03
				Dibenzo(a,h)anthracene	1.71E-02	mg/kg	2.34E-08	mg/kg-day	--	--	--

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Ingestion	di-n-Butylphthalate	7.10E-02	mg/kg	9.73E-08	mg/kg-day	1.00E-01	mg/kg-day	9.73E-07
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Fluoranthene	2.33E-02	mg/kg	3.19E-08	mg/kg-day	4.00E-02	mg/kg-day	7.96E-07
				Fluorene	2.00E-02	mg/kg	2.74E-08	mg/kg-day	4.00E-02	mg/kg-day	6.86E-07
				Indeno(1,2,3-cd)pyrene	3.82E-02	mg/kg	5.23E-08	mg/kg-day	--	--	--
				Iron	2.55E+04	mg/kg	3.49E-02	mg/kg-day	3.00E-01	mg/kg-day	1.16E-01
				Lead	1.32E+02	mg/kg	1.81E-04	mg/kg-day	--	--	--
				Manganese	4.87E+02	mg/kg	6.67E-04	mg/kg-day	2.40E-02	mg/kg-day	2.78E-02
				Mercury	1.26E+00	mg/kg	1.73E-06	mg/kg-day	3.00E-04	mg/kg-day	5.77E-03
				Molybdenum	2.80E+00	mg/kg	3.84E-06	mg/kg-day	5.00E-03	mg/kg-day	7.67E-04
				Naphthalene	1.62E-02	mg/kg	2.22E-08	mg/kg-day	2.00E-02	mg/kg-day	1.11E-06
				Nickel	2.99E+01	mg/kg	4.09E-05	mg/kg-day	2.00E-02	mg/kg-day	2.04E-03
				Phenanthrene	2.98E-02	mg/kg	4.08E-08	mg/kg-day	3.00E-01	mg/kg-day	1.36E-07
				Pyrene	3.12E-02	mg/kg	4.27E-08	mg/kg-day	3.00E-02	mg/kg-day	1.42E-06
				Silver	2.86E+00	mg/kg	3.92E-06	mg/kg-day	5.00E-03	mg/kg-day	7.85E-04
				Thallium	2.23E+00	mg/kg	3.05E-06	mg/kg-day	6.60E-05	mg/kg-day	4.62E-02
				Vanadium	5.83E+01	mg/kg	7.99E-05	mg/kg-day	7.00E-03	mg/kg-day	1.14E-02
				Zinc	1.12E+02	mg/kg	1.53E-04	mg/kg-day	3.00E-01	mg/kg-day	5.09E-04
			Exposure Route Total								**3.88E-01**
			Dermal	2-Methylnaphthalene	1.84E-02	mg/kg	1.0E-09	mg/kg-day	4.00E-03	mg/kg-day	2.51E-07
				4,4'-DDD	1.20E-02	mg/kg	6.6E-10	mg/kg-day	5.00E-04	mg/kg-day	1.31E-06
				4,4'-DDT	5.80E-02	mg/kg	9.5E-09	mg/kg-day	5.00E-04	mg/kg-day	1.90E-05
				Acenaphthene	1.00E-02	mg/kg	7.1E-09	mg/kg-day	6.00E-02	mg/kg-day	1.18E-07
				Acenaphthylene	2.10E-03	mg/kg	1.1E-10	mg/kg-day	6.00E-02	mg/kg-day	1.91E-09
				Acetone	5.00E-03	mg/kg	2.7E-10	mg/kg-day	9.00E-01	mg/kg-day	3.04E-10
				Aluminum	1.47E+04	mg/kg	8.0E-05	mg/kg-day	1.00E+00	mg/kg-day	8.03E-05

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Dermal	Anthracene	1.52E-02	mg/kg	1.1E-08	mg/kg-day	3.00E-01	mg/kg-day	3.60E-08
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Antimony	5.73E+00	mg/kg	3.1E-08	mg/kg-day	4.00E-04	mg/kg-day	7.83E-05
				Aroclor-1260	1.40E-01	mg/kg	1.1E-07	mg/kg-day	2.00E-05	mg/kg-day	5.36E-03
				Arsenic	2.00E+01	mg/kg	3.3E-06	mg/kg-day	3.00E-04	mg/kg-day	1.09E-02
				Barium	2.33E+02	mg/kg	1.3E-06	mg/kg-day	4.90E-03	mg/kg-day	2.59E-04
				Benzo(a)anthracene	3.31E-02	mg/kg	2.4E-08	mg/kg-day	--	--	--
				Benzo(a)pyrene	4.33E-02	mg/kg	3.1E-08	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.92E-02	mg/kg	1.4E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.48E-02	mg/kg	1.8E-08	mg/kg-day	3.00E-02	mg/kg-day	5.86E-07
				Benzo(k)fluoranthene	2.58E-02	mg/kg	1.8E-08	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	1.4E-08	mg/kg-day	1.40E-05	mg/kg-day	9.76E-04
				bis(2-ethylhexyl)phthalate	5.20E-02	mg/kg	2.8E-09	mg/kg-day	2.00E-02	mg/kg-day	1.42E-07
				Cadmium	9.50E+00	mg/kg	5.2E-08	mg/kg-day	5.00E-04	mg/kg-day	1.04E-04
				Chromium	3.56E+01	mg/kg	1.9E-07	mg/kg-day	1.50E+00	mg/kg-day	1.30E-07
				Chrysene	7.03E-02	mg/kg	5.0E-08	mg/kg-day	--	--	--
				Cobalt	1.47E+01	mg/kg	8.0E-08	mg/kg-day	2.00E-02	mg/kg-day	4.02E-06
				Copper	6.64E+01	mg/kg	3.6E-07	mg/kg-day	4.00E-02	mg/kg-day	9.07E-06
				Dibenzo(a,h)anthracene	1.71E-02	mg/kg	1.2E-08	mg/kg-day	--	--	--
				di-n-Butylphthalate	7.10E-02	mg/kg	3.9E-09	mg/kg-day	1.00E+01	mg/kg-day	3.88E-10
				Fluoranthene	2.33E-02	mg/kg	1.7E-08	mg/kg-day	4.00E-02	mg/kg-day	4.13E-07
				Fluorene	2.00E-02	mg/kg	1.4E-08	mg/kg-day	4.00E-02	mg/kg-day	3.56E-07
				Indeno(1,2,3-cd)pyrene	3.82E-02	mg/kg	2.7E-08	mg/kg-day	--	--	--
				Iron	2.55E+04	mg/kg	1.4E-04	mg/kg-day	3.00E-01	mg/kg-day	4.64E-04
				Lead	1.32E+02	mg/kg	7.2E-07	mg/kg-day	--	--	--
				Manganese	4.87E+02	mg/kg	2.7E-06	mg/kg-day	2.40E-02	mg/kg-day	1.11E-04

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Soil (Cont.)	Site Soil (Cont.)	Dermal (Cont.)	Mercury	1.26E+00	mg/kg	--	mg/kg-day	2.10E-05	mg/kg-day	--
				Molybdenum	2.80E+00	mg/kg	1.5E-08	mg/kg-day	5.00E-03	mg/kg-day	3.06E-06
				Naphthalene	1.62E-02	mg/kg	1.1E-08	mg/kg-day	2.00E-02	mg/kg-day	5.75E-07
				Nickel	2.99E+01	mg/kg	1.6E-07	mg/kg-day	8.00E-04	mg/kg-day	2.04E-04
				Phenanthrene	2.98E-02	mg/kg	1.6E-09	mg/kg-day	3.00E-01	mg/kg-day	5.43E-09
				Pyrene	3.12E-02	mg/kg	2 2E-08	mg/kg-day	3.00E-02	mg/kg-day	7.38E-07
				Silver	2.86E+00	mg/kg	1.6E-08	mg/kg-day	2.00E-04	mg/kg-day	7.83E-05
				Thallium	2.23E+00	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Vanadium	5.83E+01	mg/kg	3.2E-07	mg/kg-day	1.82E-04	mg/kg-day	1.75E-03
				Zinc	1.12E+02	mg/kg	6.1E-07	mg/kg-day	3.00E-01	mg/kg-day	2.03E-06
			Exposure Route Total								**2.04E-02**
		Exposure Point Total									**4.09E-01**
		Homegrown Produce	Ingestion	2-Methylnaphthalene	1.84E-02	mg/kg	--	mg/kg-day	4.00E-03	mg/kg-day	--
				4,4'-DDD	1.20E-02	mg/kg	6.7E-10	mg/kg-day	5.00E-04	mg/kg-day	1.34E-06
				4,4'-DDT	5.80E-02	mg/kg	2.5E-09	mg/kg-day	5.00E-04	mg/kg-day	4.99E-06
				Acenaphthene	1.00E-02	mg/kg	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Acenaphthylene	2.10E-03	mg/kg	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Acetone	5.00E-03	mg/kg	--	mg/kg-day	9.00E-01	mg/kg-day	--
				Aluminum	1.47E+04	mg/kg	--	mg/kg-day	1.00E+00	mg/kg-day	--
				Anthracene	1.52E-02	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Antimony	5.73E+00	mg/kg	--	mg/kg-day	4.00E-04	mg/kg-day	--
				Aroclor-1260	1.40E-01	mg/kg	1.1E-08	mg/kg-day	2.00E-05	mg/kg-day	5.63E-04
				Arsenic	2.00E+01	mg/kg	1.0E-04	mg/kg-day	3.00E-04	mg/kg-day	3.38E-01
				Barium	2.33E+02	mg/kg	--	mg/kg-day	7.00E-02	mg/kg-day	--
				Benzo(a)anthracene	3.31E-02	mg/kg	2.7E-09	mg/kg-day	--	--	--

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Homegrown	Ingestion	Benzo(a)pyrene	4.33E-02	mg/kg	2.4E-09	mg/kg-day	--	--	--
(Cont.)	(Cont.)	Produce	(Cont.)	Benzo(b)fluoranthene	1.92E-02	mg/kg	1.2E-09	mg/kg-day	--	--	--
		(Cont.)		Benzo(g,h,i)perylene	2.48E-02	mg/kg	--	mg/kg-day	3.00E-02	mg/kg-day	--
				Benzo(k)fluoranthene	2.58E-02	mg/kg	1.4E-09	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	--	mg/kg-day	2.00E-03	mg/kg-day	--
				bis(2-ethylhexyl)phthalate	5.20E-02	mg/kg	3.9E-11	mg/kg-day	2.00E-02	mg/kg-day	1.95E-09
				Cadmium	9.50E+00	mg/kg	6.1E-04	mg/kg-day	5.00E-04	mg/kg-day	1.22E+00
				Chromium	3.56E+01	mg/kg	--	mg/kg-day	1.50E+00	mg/kg-day	--
				Chrysene	7.03E-02	mg/kg	5.8E-09	mg/kg-day	--	--	--
				Cobalt	1.47E+01	mg/kg	--	mg/kg-day	2.00E-02	mg/kg-day	--
				Copper	6.64E+01	mg/kg	--	mg/kg-day	4.00E-02	mg/kg-day	--
				Dibenzo(a,h)anthracene	1.71E-02	mg/kg	6.1E-10	mg/kg-day	--	--	--
				di-n-Butylphthalate	7.10E-02	mg/kg	1.2E-08	mg/kg-day	1.00E-01	mg/kg-day	1.17E-07
				Fluoranthene	2.33E-02	mg/kg	2.1E-09	mg/kg-day	4.00E-02	mg/kg-day	5.15E-08
				Fluorene	2.00E-02	mg/kg	--	mg/kg-day	4.00E-02	mg/kg-day	--
				Indeno(1,2,3-cd)pyrene	3.82E-02	mg/kg	1.8E-09	mg/kg-day	--	--	--
				Iron	2.55E+04	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Lead	1.32E+02	mg/kg	--	mg/kg-day	--	--	--
				Manganese	4.87E+02	mg/kg	--	mg/kg-day	2.40E-02	mg/kg-day	--
				Mercury	1.26E+00	mg/kg	9.9E-06	mg/kg-day	3.00E-04	mg/kg-day	3.30E-02
				Molybdenum	2.80E+00	mg/kg	--	mg/kg-day	5.00E-03	mg/kg-day	--
				Naphthalene	1.62E-02	mg/kg	--	mg/kg-day	2.00E-02	mg/kg-day	--
				Nickel	2.99E+01	mg/kg	2.5E-04	mg/kg-day	2.00E-02	mg/kg-day	1.24E-02
				Phenanthrene	2.98E-02	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Pyrene	3.12E-02	mg/kg	--	mg/kg-day	3.00E-02	mg/kg-day	--

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Soil (Cont.)	Homegrown Produce (Cont.)	Ingestion (Cont.)	Silver	2.86E+00	mg/kg	--	mg/kg-day	5.00E-03	mg/kg-day	--
				Thallium	2.23E+00	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Vanadium	5.83E+01	mg/kg	--	mg/kg-day	7.00E-03	mg/kg-day	--
				Zinc	1.12E+02	mg/kg	3.7E-03	mg/kg-day	3.00E-01	mg/kg-day	1.23E-02
			Exposure Route Total								**1.61E+00**
		Exposure Point Total									**1.61E+00**
	Exposure Medium Total										**2.02E+00**
	Air	Outdoor Air	Inhalation (particulates or VOCs)	2-Methylnaphthalene	1.30E-07	mg/m^3	3.5E-08	mg/kg-day	--	--	--
				4,4'-DDD	9.09E-12	mg/m^3	2.5E-12	mg/kg-day	5.00E-04	mg/kg-day	4.96E-09
				4,4'-DDT	4.39E-11	mg/m^3	1.2E-11	mg/kg-day	5.00E-04	mg/kg-day	2.40E-08
				Acenaphthene	5.56E-08	mg/m^3	1.5E-08	mg/kg-day	6.00E-02	mg/kg-day	2.53E-07
				Acenaphthylene	1.17E-08	mg/m^3	3.2E-09	mg/kg-day	6.00E-02	mg/kg-day	5.31E-08
				Acetone	3.97E-07	mg/m^3	1.1E-07	mg/kg-day	9.00E-01	mg/kg-day	1.20E-07
				Aluminum	1.11E-05	mg/m^3	3.0E-06	mg/kg-day	1.43E-03	mg/kg-day	2.12E-03
				Anthracene	2.17E-08	mg/m^3	5.9E-09	mg/kg-day	3.00E-01	mg/kg-day	1.98E-08
				Antimony	4.34E-09	mg/m^3	1.2E-09	mg/kg-day	--	--	--
				Aroclor-1260	1.06E-10	mg/m^3	2.9E-11	mg/kg-day	2.00E-05	mg/kg-day	1.45E-06
				Arsenic	1.52E-08	mg/m^3	4.1E-09	mg/kg-day	--	mg/kg-day	--
				Barium	1.76E-07	mg/m^3	4.8E-08	mg/kg-day	1.40E-04	mg/kg-day	3.43E-04
				Benzo(a)anthracene	2.51E-11	mg/m^3	6.8E-12	mg/kg-day	--	--	--
				Benzo(a)pyrene	3.28E-11	mg/m^3	9.0E-12	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.46E-11	mg/m^3	4.0E-12	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	1.88E-11	mg/m^3	5.1E-12	mg/kg-day	3.00E-02	mg/kg-day	1.71E-10
				Benzo(k)fluoranthene	1.95E-11	mg/m^3	5.3E-12	mg/kg-day	--	--	--
				Beryllium	1.89E-09	mg/m^3	5.2E-10	mg/kg-day	5.71E-06	mg/kg-day	9.04E-05

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Air (Cont.)	Outdoor Air (Cont.)	Inhalation (particulates or VOCs) (Cont.)	bis(2-ethylhexyl)phthalate	3.94E-11	mg/m^3	1.1E-11	mg/kg-day	2.20E-02	mg/kg-day	4.89E-10
				Cadmium	7.20E-09	mg/m^3	2.0E-09	mg/kg-day	--	mg/kg-day	--
				Chromium	2.70E-08	mg/m^3	7.4E-09	mg/kg-day	--	--	--
				Chrysene	5.32E-11	mg/m^3	1.5E-11	mg/kg-day	--	--	--
				Cobalt	1.12E-08	mg/m^3	3.0E-09	mg/kg-day	5.71E-06	mg/kg-day	5.33E-04
				Copper	5.03E-08	mg/m^3	1.4E-08	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.29E-11	mg/m^3	3.5E-12	mg/kg-day	--	--	--
				di-n-Butylphthalate	5.38E-11	mg/m^3	1.5E-11	mg/kg-day	--	--	--
				Fluoranthene	1.76E-11	mg/m^3	4.8E-12	mg/kg-day	4.00E-02	mg/kg-day	1.20E-10
				Fluorene	5.56E-08	mg/m^3	1.5E-08	mg/kg-day	4.00E-02	mg/kg-day	3.79E-07
				Indeno(1,2,3-cd)pyrene	2.89E-11	mg/m^3	7.9E-12	mg/kg-day	--	--	--
				Iron	1.93E-05	mg/m^3	5.3E-06	mg/kg-day	--	--	--
				Lead	1.00E-07	mg/m^3	2.7E-08	mg/kg-day	--	--	--
				Manganese	3.69E-07	mg/m^3	1.0E-07	mg/kg-day	1.43E-05	mg/kg-day	7.05E-03
				Mercury	9.57E-10	mg/m^3	2.6E-10	mg/kg-day	--	mg/kg-day	--
				Molybdenum	2.12E-09	mg/m^3	5.8E-10	mg/kg-day	--	--	--
				Naphthalene	3.76E-07	mg/m^3	1.0E-07	mg/kg-day	8.57E-04	mg/kg-day	1.20E-04
				Nickel	2.26E-08	mg/m^3	6.2E-09	mg/kg-day	5.71E-05	mg/kg-day	1.08E-04
				Phenanthrene	1.99E-08	mg/m^3	5.4E-09	mg/kg-day	3.00E-01	mg/kg-day	1.81E-08
				Pyrene	8.20E-09	mg/m^3	2.2E-09	mg/kg-day	3.00E-02	mg/kg-day	7.46E-08
				Silver	2.17E-09	mg/m^3	5.9E-10	mg/kg-day	--	--	--
				Thallium	1.69E-09	mg/m^3	4.6E-10	mg/kg-day	--	--	--
				Vanadium	4.42E-08	mg/m^3	1.2E-08	mg/kg-day	--	--	--
				Zinc	8.45E-08	mg/m^3	2.3E-08	mg/kg-day	--	mg/kg-day	--
			Exposure Route Total								**1.04E-02**

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Air	Exposure Point Total									**1.04E-02**
	Exposure Medium Total										**1.04E-02**
Medium Total											**2.03E+00**
Groundwater	Groundwater	Domestic Use of Groundwater	Ingestion	1,1,1-Trichloroethane	2.23E-02	mg/L	6.11E-04	mg/kg-day	2.80E-01	mg/kg-day	2.18E-03
				1,1,2-Trichloroethane	1.06E-02	mg/L	2.90E-04	mg/kg-day	4.00E-03	mg/kg-day	7.24E-02
				1,1-Dichlorethane	1.08E-01	mg/L	2.96E-03	mg/kg-day	1.00E-01	mg/kg-day	2.96E-02
				1,1-Dichlorethene	5.89E-01	mg/L	1.61E-02	mg/kg-day	5.00E-02	mg/kg-day	3.23E-01
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	3.10E-04	mg/kg-day	5.00E-02	mg/kg-day	6.20E-03
				1,2-Dichlorobenzene	1.34E-02	mg/L	3.66E-04	mg/kg-day	9.00E-02	mg/kg-day	4.07E-03
				1,2-Dichlorethane	1.25E-02	mg/L	3.42E-04	mg/kg-day	2.00E-02	mg/kg-day	1.71E-02
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	8.04E-03	mg/kg-day	1.00E-02	mg/kg-day	8.04E-01
				1,2-Dichloropropane	1.00E-04	mg/L	2.74E-06	mg/kg-day	1.10E-03	mg/kg-day	2.49E-03
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	2.91E-04	mg/kg-day	5.00E-02	mg/kg-day	5.82E-03
				1,3-Dichlorobenzene	4.50E-03	mg/L	1.23E-04	mg/kg-day	9.00E-04	mg/kg-day	1.37E-01
				1,4-Dichlorobenzene	6.42E-03	mg/L	1.76E-04	mg/kg-day	3.00E-02	mg/kg-day	5.86E-03
				2-Butanone	7.10E-02	mg/L	1.95E-03	mg/kg-day	6.00E-01	mg/kg-day	3.24E-03
				2-Hexanone	2.00E-03	mg/L	5.48E-05	mg/kg-day	8.00E-02	mg/kg-day	6.85E-04
				2-Methylnaphthalene	7.00E-04	mg/L	1.92E-05	mg/kg-day	4.00E-03	mg/kg-day	4.79E-03
				4-Methyl-2-pentanone	2.90E-02	mg/L	7.95E-04	mg/kg-day	8.00E-02	mg/kg-day	9.93E-03
				Acenaphthene	2.00E-03	mg/L	5.48E-05	mg/kg-day	6.00E-02	mg/kg-day	9.13E-04
				Acenaphthylene	2.00E-03	mg/L	5.48E-05	mg/kg-day	6.00E-02	mg/kg-day	9.13E-04
				Acetone	1.65E+00	mg/L	4.53E-02	mg/kg-day	9.00E-01	mg/kg-day	5.03E-02
				Aluminum	9.88E-01	mg/L	2.71E-02	mg/kg-day	1.00E+00	mg/kg-day	2.71E-02
				Antimony	1.43E-02	mg/L	3.91E-04	mg/kg-day	4.00E-04	mg/kg-day	9.79E-01
				Arsenic	1.98E-02	mg/L	5.43E-04	mg/kg-day	3.00E-04	mg/kg-day	1.81E+00

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Ingestion (Cont.)	Barium	2.70E-01	mg/L	7.39E-03	mg/kg-day	7.00E-02	mg/kg-day	1.06E-01
				Benzene	1.59E-02	mg/L	4.35E-04	mg/kg-day	4.00E-03	mg/kg-day	1.09E-01
				Benzo(a)anthracene	1.00E-04	mg/L	2.74E-06	mg/kg-day	--	--	--
				Benzo(a)pyrene	1.00E-04	mg/L	2.74E-06	mg/kg-day	--	--	--
				Beryllium	1.41E-03	mg/L	3.87E-05	mg/kg-day	2.00E-03	mg/kg-day	1.94E-02
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	1.94E-04	mg/kg-day	2.00E-02	mg/kg-day	9.72E-03
				Bromodichloromethane	7.10E-03	mg/L	1.95E-04	mg/kg-day	2.00E-02	mg/kg-day	9.73E-03
				Cadmium	1.60E-02	mg/L	4.39E-04	mg/kg-day	5.00E-04	mg/kg-day	8.78E-01
				Carbon disulfide	7.53E-03	mg/L	2.06E-04	mg/kg-day	1.00E-01	mg/kg-day	2.06E-03
				Chlorobenzene	6.07E-03	mg/L	1.66E-04	mg/kg-day	2.00E-02	mg/kg-day	8.32E-03
				Chloroethane	1.23E-02	mg/L	3.38E-04	mg/kg-day	4.00E-01	mg/kg-day	8.46E-04
				Chloroform	7.44E-03	mg/L	2.04E-04	mg/kg-day	1.00E-02	mg/kg-day	2.04E-02
				Chloromethane	7.26E-03	mg/L	1.99E-04	mg/kg-day	2.60E-02	mg/kg-day	7.65E-03
				Chromium	1.52E-01	mg/L	4.16E-03	mg/kg-day	1.50E+00	mg/kg-day	2.78E-03
				Chromium (VI)	4.72E-01	mg/L	1.29E-02	mg/kg-day	3.00E-03	mg/kg-day	4.31E+00
				cis-1,2-Dichloroethene	5.55E-02	mg/L	1.52E-03	mg/kg-day	1.00E-02	mg/kg-day	1.52E-01
				Cobalt	1.51E-02	mg/L	4.14E-04	mg/kg-day	2.00E-02	mg/kg-day	2.07E-02
				Copper	1.24E-02	mg/L	3.39E-04	mg/kg-day	4.00E-02	mg/kg-day	8.48E-03
				Cyanide	6.60E-02	mg/L	1.81E-03	mg/kg-day	2.00E-02	mg/kg-day	9.04E-02
				Ethylbenzene	7.18E-03	mg/L	1.97E-04	mg/kg-day	1.00E-01	mg/kg-day	1.97E-03
				Fluoranthene	1.80E-03	mg/L	4.93E-05	mg/kg-day	4.00E-02	mg/kg-day	1.23E-03
				Fluorene	1.00E-03	mg/L	2.74E-05	mg/kg-day	4.00E-02	mg/kg-day	6.85E-04
				Hexachlorobutadiene	4.00E-04	mg/L	1.10E-05	mg/kg-day	3.00E-04	mg/kg-day	3.65E-02
				Iron	1.70E+01	mg/L	4.65E-01	mg/kg-day	3.00E-01	mg/kg-day	1.55E+00
				Isopropylbenzene	5.50E-03	mg/L	1.51E-04	mg/kg-day	1.00E-01	mg/kg-day	1.51E-03

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Ingestion (Cont.)	Lead	7.38E-03	mg/L	2.02E-04	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	3.63E-04	mg/kg-day	2.00E-01	mg/kg-day	1.81E-03
				Manganese	9.91E+00	mg/L	2.71E-01	mg/kg-day	2.40E-02	mg/kg-day	1.13E+01
				Mercury	4.40E-05	mg/L	1.21E-06	mg/kg-day	3.00E-04	mg/kg-day	4.02E-03
				Methylene chloride	9.90E-03	mg/L	2.71E-04	mg/kg-day	6.00E-02	mg/kg-day	4.52E-03
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	1.91E-04	mg/kg-day	8.60E-01	mg/kg-day	2.22E-04
				Molybdenum	7.50E-02	mg/L	2.05E-03	mg/kg-day	5.00E-03	mg/kg-day	4.11E-01
				Naphthalene	3.35E-02	mg/L	9.17E-04	mg/kg-day	2.00E-02	mg/kg-day	4.59E-02
				n-Butylbenzene	2.40E-03	mg/L	6.58E-05	mg/kg-day	4.00E-02	mg/kg-day	1.64E-03
				Nickel	1.83E-01	mg/L	5.01E-03	mg/kg-day	2.00E-02	mg/kg-day	2.50E-01
				n-Propylbenzene	1.22E-02	mg/L	3.35E-04	mg/kg-day	--	mg/kg-day	--
				o-Xylene	6.86E-03	mg/L	1.88E-04	mg/kg-day	2.00E-01	mg/kg-day	9.40E-04
				Phenanthrene	2.00E-03	mg/L	5.48E-05	mg/kg-day	3.00E-01	mg/kg-day	1.83E-04
				Phenol	6.60E-03	mg/L	1.81E-04	mg/kg-day	3.00E-01	mg/kg-day	6.02E-04
				p-Isopropyltoluene	8.00E-04	mg/L	2.19E-05	mg/kg-day	--	mg/kg-day	--
				Pyrene	3.00E-03	mg/L	8.22E-05	mg/kg-day	3.00E-02	mg/kg-day	2.74E-03
				sec-Butylbenzene	5.00E-04	mg/L	1.37E-05	mg/kg-day	4.00E-02	mg/kg-day	3.42E-04
				Selenium	1.08E-02	mg/L	2.96E-04	mg/kg-day	5.00E-03	mg/kg-day	5.92E-02
				Silver	5.48E-03	mg/L	1.50E-04	mg/kg-day	5.00E-03	mg/kg-day	3.00E-02
				Tert-Butanol	4.21E-01	mg/L	1.15E-02	mg/kg-day	--	mg/kg-day	--
				tert-Butylbenzene	3.00E-04	mg/L	8.22E-06	mg/kg-day	4.00E-02	mg/kg-day	2.05E-04
				Tetrachloroethene	5.84E-03	mg/L	1.60E-04	mg/kg-day	1.00E-02	mg/kg-day	1.60E-02
				Thallium	8.12E-03	mg/L	2.22E-04	mg/kg-day	6.60E-05	mg/kg-day	3.37E+00
				Toluene	6.35E-03	mg/L	1.74E-04	mg/kg-day	2.00E-01	mg/kg-day	8.70E-04
				trans-1,2-Dichloroethene	1.16E-02	mg/L	3.18E-04	mg/kg-day	2.00E-02	mg/kg-day	1.59E-02

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Ingestion (Cont.)	Trichloroethene	1.00E+00	mg/L	2.74E-02	mg/kg-day	3.00E-04	mg/kg-day	9.14E+01
				Vanadium	2.85E-02	mg/L	7.82E-04	mg/kg-day	7.00E-03	mg/kg-day	1.12E-01
				Vinyl chloride	2.54E-02	mg/L	6.95E-04	mg/kg-day	3.00E-03	mg/kg-day	2.32E-01
				Xylene (Total)	1.75E-02	mg/L	4.79E-04	mg/kg-day	2.00E-01	mg/kg-day	2.40E-03
				Zinc	1.50E-01	mg/L	4.10E-03	mg/kg-day	3.00E-01	mg/kg-day	1.37E-02
			Exposure Route Total								**1.19E+02**
			Dermal (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/L	5.46E-05	mg/kg-day	2.80E-01	mg/kg-day	1.95E-04
				1,1,2-Trichloroethane	1.06E-02	mg/L	9.72E-06	mg/kg-day	4.00E-03	mg/kg-day	2.43E-03
				1,1-Dichlorethane	1.08E-01	mg/L	1.37E-04	mg/kg-day	1.00E-01	mg/kg-day	1.37E-03
				1,1-Dichlorethene	5.89E-01	mg/L	1.34E-03	mg/kg-day	5.00E-02	mg/kg-day	2.68E-02
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	1.53E-04	mg/kg-day	5.00E-02	mg/kg-day	3.05E-03
				1,2-Dichlorobenzene	1.34E-02	mg/L	1.26E-04	mg/kg-day	9.00E-02	mg/kg-day	1.40E-03
				1,2-Dichlorethane	1.25E-02	mg/L	9.53E-06	mg/kg-day	2.00E-02	mg/kg-day	4.77E-04
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	6.26E-04	mg/kg-day	1.00E-02	mg/kg-day	6.26E-02
				1,2-Dichloropropane	1.00E-04	mg/L	1.42E-07	mg/kg-day	1.10E-03	mg/kg-day	1.29E-04
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	1.43E-04	mg/kg-day	5.00E-02	mg/kg-day	2.87E-03
				1,3-Dichlorobenzene	4.50E-03	mg/L	4.99E-05	mg/kg-day	9.00E-04	mg/kg-day	5.54E-02
				1,4-Dichlorobenzene	6.42E-03	mg/L	5.69E-05	mg/kg-day	3.00E-02	mg/kg-day	1.90E-03
				2-Butanone	7.10E-02	mg/L	1.13E-05	mg/kg-day	6.00E-01	mg/kg-day	1.88E-05
				2-Hexanone	2.00E-03	mg/L	1.27E-06	mg/kg-day	8.00E-02	mg/kg-day	1.59E-05
				2-Methylnaphthalene	7.00E-04	mg/L	1.42E-05	mg/kg-day	4.00E-03	mg/kg-day	3.55E-03
				4-Methyl-2-pentanone	2.90E-02	mg/L	1.65E-05	mg/kg-day	8.00E-02	mg/kg-day	2.06E-04
				Acenaphthene	2.00E-03	mg/L	3.80E-05	mg/kg-day	6.00E-02	mg/kg-day	6.34E-04
				Acenaphthylene	2.00E-03	mg/L	4.03E-05	mg/kg-day	6.00E-02	mg/kg-day	6.72E-04
				Acetone	1.65E+00	mg/L	1.35E-04	mg/kg-day	9.00E-01	mg/kg-day	1.50E-04

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Dermal (bathing/ showering) (Cont.)	Aluminum	9.88E-01	mg/L	3.02E-04	mg/kg-day	1.00E+00	mg/kg-day	3.02E-04
				Antimony	1.43E-02	mg/L	2.23E-06	mg/kg-day	4.00E-04	mg/kg-day	5.57E-03
				Arsenic	1.98E-02	mg/L	5.47E-06	mg/kg-day	3.00E-04	mg/kg-day	1.82E-02
				Barium	2.70E-01	mg/L	1.55E-05	mg/kg-day	4.90E-03	mg/kg-day	3.17E-03
				Benzene	1.59E-02	mg/L	4.71E-05	mg/kg-day	4.00E-03	mg/kg-day	1.18E-02
				Benzo(a)anthracene	1.00E-04	mg/L	1.36E-05	mg/kg-day	--	--	--
				Benzo(a)pyrene	1.00E-04	mg/L	1.77E-05	mg/kg-day	--	--	--
				Beryllium	1.41E-03	mg/L	1.33E-07	mg/kg-day	1.40E-05	mg/kg-day	9.53E-03
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	2.00E-03	mg/kg-day	2.00E-02	mg/kg-day	9.99E-02
				Bromodichloromethane	7.10E-03	mg/L	5.10E-06	mg/kg-day	2.00E-02	mg/kg-day	2.55E-04
				Cadmium	1.60E-02	mg/L	8.02E-07	mg/kg-day	5.00E-04	mg/kg-day	1.60E-03
				Carbon disulfide	7.53E-03	mg/L	1.68E-05	mg/kg-day	1.00E-01	mg/kg-day	1.68E-04
				Chlorobenzene	6.07E-03	mg/L	3.54E-05	mg/kg-day	2.00E-02	mg/kg-day	1.77E-03
				Chloroethane	1.23E-02	mg/L	1.41E-05	mg/kg-day	4.00E-01	mg/kg-day	3.52E-05
				Chloroform	7.44E-03	mg/L	9.49E-06	mg/kg-day	1.00E-02	mg/kg-day	9.49E-04
				Chloromethane	7.26E-03	mg/L	4.31E-06	mg/kg-day	2.60E-02	mg/kg-day	1.66E-04
				Chromium	1.52E-01	mg/L	2.17E-05	mg/kg-day	1.50E+00	mg/kg-day	1.45E-05
				Chromium (VI)	4.72E-01	mg/L	6.75E-05	mg/kg-day	3.00E-03	mg/kg-day	2.25E-02
				cis-1,2-Dichloroethene	5.55E-02	mg/L	1.18E-04	mg/kg-day	1.00E-02	mg/kg-day	1.18E-02
				Cobalt	1.51E-02	mg/L	2.62E-06	mg/kg-day	2.00E-02	mg/kg-day	1.31E-04
				Copper	1.24E-02	mg/L	5.44E-07	mg/kg-day	4.00E-02	mg/kg-day	1.36E-05
				Cyanide	6.60E-02	mg/L	8.17E-06	mg/kg-day	2.00E-02	mg/kg-day	4.09E-04
				Ethylbenzene	7.18E-03	mg/L	7.59E-05	mg/kg-day	1.00E-01	mg/kg-day	7.59E-04
				Fluoranthene	1.80E-03	mg/L	1.32E-04	mg/kg-day	4.00E-02	mg/kg-day	3.30E-03
				Fluorene	1.00E-03	mg/L	2.45E-05	mg/kg-day	4.00E-02	mg/kg-day	6.11E-04

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Dermal (bathing/ showering) (Cont.)	Hexachlorobutadiene	4.00E-04	mg/L	6.92E-06	mg/kg-day	3.00E-04	mg/kg-day	2.31E-02
				Iron	1.70E+01	mg/L	6.00E-04	mg/kg-day	3.00E-01	mg/kg-day	2.00E-03
				Isopropylbenzene	5.50E-03	mg/L	1.10E-04	mg/kg-day	1.00E-01	mg/kg-day	1.10E-03
				Lead	7.38E-03	mg/L	3.61E-07	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	1.52E-04	mg/kg-day	2.00E-01	mg/kg-day	7.59E-04
				Manganese	9.91E+00	mg/L	1.81E-03	mg/kg-day	2.40E-02	mg/kg-day	7.56E-02
				Mercury	4.40E-05	mg/L	6.29E-09	mg/kg-day	2.10E-05	mg/kg-day	3.00E-04
				Methylene chloride	9.90E-03	mg/L	6.32E-06	mg/kg-day	6.00E-02	mg/kg-day	1.05E-04
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	2.56E-06	mg/kg-day	8.60E-01	mg/kg-day	2.98E-06
				Molybdenum	7.50E-02	mg/L	7.72E-06	mg/kg-day	5.00E-03	mg/kg-day	1.54E-03
				Naphthalene	3.35E-02	mg/L	3.32E-04	mg/kg-day	2.00E-02	mg/kg-day	1.66E-02
				n-Butylbenzene	2.40E-03	mg/L	4.81E-05	mg/kg-day	4.00E-02	mg/kg-day	1.20E-03
				Nickel	1.83E-01	mg/L	8.60E-06	mg/kg-day	8.00E-04	mg/kg-day	1.08E-02
				n-Propylbenzene	1.22E-02	mg/L	2.45E-04	mg/kg-day	--	mg/kg-day	--
				o-Xylene	6.86E-03	mg/L	6.91E-05	mg/kg-day	2.00E-01	mg/kg-day	3.45E-04
				Phenanthrene	2.00E-03	mg/L	6.55E-05	mg/kg-day	3.00E-01	mg/kg-day	2.18E-04
				Phenol	6.60E-03	mg/L	5.22E-06	mg/kg-day	3.00E-01	mg/kg-day	1.74E-05
				p-Isopropyltoluene	8.00E-04	mg/L	1.60E-05	mg/kg-day	--	mg/kg-day	--
				Pyrene	3.00E-03	mg/L	1.39E-04	mg/kg-day	3.00E-02	mg/kg-day	4.63E-03
				sec-Butylbenzene	5.00E-04	mg/L	1.00E-05	mg/kg-day	--	mg/kg-day	--
				Selenium	1.08E-02	mg/L	1.40E-06	mg/kg-day	1.50E-03	mg/kg-day	9.30E-04
				Silver	5.48E-03	mg/L	4.77E-07	mg/kg-day	2.00E-04	mg/kg-day	2.39E-03
				Tert-Butanol	4.21E-01	mg/L	1.14E-04	mg/kg-day	--	mg/kg-day	--
				tert-Butylbenzene	3.00E-04	mg/L	6.01E-06	mg/kg-day	4.00E-02	mg/kg-day	1.50E-04
				Tetrachloroethene	5.84E-03	mg/L	4.02E-05	mg/kg-day	1.00E-02	mg/kg-day	4.02E-03

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Dermal (bathing/ showering) (Cont.)	Thallium	8.12E-03	mg/L	1.16E-06	mg/kg-day	6.60E-05	mg/kg-day	1.76E-02
				Toluene	6.35E-03	mg/L	4.11E-05	mg/kg-day	2.00E-01	mg/kg-day	2.06E-04
				trans-1,2-Dichloroethene	1.16E-02	mg/L	7.98E-05	mg/kg-day	2.00E-02	mg/kg-day	3.99E-03
				Trichloroethene	1.00E+00	mg/L	2.25E-03	mg/kg-day	3.00E-04	mg/kg-day	7.49E+00
				Vanadium	2.85E-02	mg/L	5.51E-06	mg/kg-day	1.82E-04	mg/kg-day	3.03E-02
				Vinyl chloride	2.54E-02	mg/L	4.10E-05	mg/kg-day	3.00E-03	mg/kg-day	1.37E-02
				Xylene (Total)	1.75E-02	mg/L	2.01E-04	mg/kg-day	2.00E-01	mg/kg-day	1.00E-03
				Zinc	1.50E-01	mg/L	7.32E-06	mg/kg-day	3.00E-01	mg/kg-day	2.44E-05
			Exposure Route Total								**8.06E+00**
		Exposure Point Total									**1.27E+02**
	Exposure Medium Total										**1.27E+02**
	Air	Domestic Use of Groundwater Indoors	Inhalation (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/l	7.36E-05	mg/kg-day	6.30E-01	mg/kg-day	1.17E-04
				1,1,2-Trichloroethane	1.06E-02	mg/l	3.49E-05	mg/kg-day	4.00E-03	mg/kg-day	8.72E-03
				1,1-Dichlorethane	1.08E-01	mg/l	3.57E-04	mg/kg-day	1.40E-01	mg/kg-day	2.55E-03
				1,1-Dichlorethene	5.89E-01	mg/l	1.94E-03	mg/kg-day	5.71E-02	mg/kg-day	3.40E-02
				1,2,4-Trimethylbenzene	1.13E-02	mg/l	3.73E-05	mg/kg-day	1.70E-03	mg/kg-day	2.19E-02
				1,2-Dichlorobenzene	1.34E-02	mg/l	4.41E-05	mg/kg-day	5.70E-02	mg/kg-day	7.73E-04
				1,2-Dichlorethane	1.25E-02	mg/l	4.11E-05	mg/kg-day	6.86E-01	mg/kg-day	6.00E-05
				1,2-Dichlorethene (Total)	2.94E-01	mg/l	9.68E-04	mg/kg-day	1.00E-02	mg/kg-day	9.68E-02
				1,2-Dichloropropane	1.00E-04	mg/l	3.30E-07	mg/kg-day	1.10E-03	mg/kg-day	3.00E-04
				1,3,5-Trimethylbenzene	1.06E-02	mg/l	3.50E-05	mg/kg-day	1.70E-03	mg/kg-day	2.06E-02
				1,3-Dichlorobenzene	4.50E-03	mg/l	1.48E-05	mg/kg-day	3.00E-02	mg/kg-day	4.95E-04
				1,4-Dichlorobenzene	6.42E-03	mg/l	2.12E-05	mg/kg-day	2.29E-01	mg/kg-day	9.26E-05
				2-Butanone	7.10E-02	mg/l	2.34E-04	mg/kg-day	1.43E+00	mg/kg-day	1.64E-04
				2-Hexanone	2.00E-03	mg/l	6.59E-06	mg/kg-day	8.60E-01	mg/kg-day	7.67E-06

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Air (Cont.)	Domestic Use of Groundwater Indoors (Cont.)	Inhalation (bathing/ showering) (Cont.)	2-MethylNaphthalene	7.00E-04	mg/l	2.31E-06	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/l	9.56E-05	mg/kg-day	8.60E-01	mg/kg-day	1.11E-04
				Acenaphthene	2.00E-03	mg/l	6.59E-06	mg/kg-day	6.00E-02	mg/kg-day	1.10E-04
				Acenaphthylene	2.00E-03	mg/l	6.59E-06	mg/kg-day	6.00E-02	mg/kg-day	1.10E-04
				Acetone	1.65E+00	mg/l	5.45E-03	mg/kg-day	9.00E-01	mg/kg-day	6.06E-03
				Benzene	1.59E-02	mg/l	5.24E-05	mg/kg-day	8.57E-03	mg/kg-day	6.11E-03
				Bromodichloromethane	7.10E-03	mg/l	2.34E-05	mg/kg-day	2.00E-02	mg/kg-day	1.17E-03
				Carbon disulfide	7.53E-03	mg/l	2.48E-05	mg/kg-day	2.00E-01	mg/kg-day	1.24E-04
				Chlorobenzene	6.07E-03	mg/l	2.00E-05	mg/kg-day	1.71E-02	mg/kg-day	1.17E-03
				Chloroethane	1.23E-02	mg/l	4.07E-05	mg/kg-day	2.90E+00	mg/kg-day	1.40E-05
				Chloroform	7.44E-03	mg/l	2.45E-05	mg/kg-day	1.40E-04	mg/kg-day	1.75E-01
				Chloromethane	7.26E-03	mg/l	2.39E-05	mg/kg-day	2.57E-02	mg/kg-day	9.31E-04
				cis-1,2-Dichloroethene	5.55E-02	mg/l	1.83E-04	mg/kg-day	1.00E-02	mg/kg-day	1.83E-02
				Cyanide	6.60E-02	mg/l	2.18E-04	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	7.18E-03	mg/l	2.37E-05	mg/kg-day	2.86E-01	mg/kg-day	8.29E-05
				Fluorene	1.00E-03	mg/l	3.30E-06	mg/kg-day	4.00E-02	mg/kg-day	8.24E-05
				Hexachlorobutadiene	4.00E-04	mg/l	1.32E-06	mg/kg-day	3.00E-04	mg/kg-day	4.40E-03
				Isopropylbenzene	5.50E-03	mg/l	1.81E-05	mg/kg-day	1.10E-01	mg/kg-day	1.65E-04
				m,p-Xylene	1.32E-02	mg/l	4.37E-05	mg/kg-day	2.86E-02	mg/kg-day	1.53E-03
				Methylene Chloride	9.90E-03	mg/l	3.27E-05	mg/kg-day	8.57E-01	mg/kg-day	3.81E-05
				Methyl-T-Butyl-ether	6.97E-03	mg/l	2.30E-05	mg/kg-day	8.57E-01	mg/kg-day	2.68E-05
				Naphthalene	3.35E-02	mg/l	1.10E-04	mg/kg-day	8.57E-04	mg/kg-day	1.29E-01
				n-Butylbenzene	2.40E-03	mg/l	7.91E-06	mg/kg-day	1.14E-02	mg/kg-day	6.92E-04
				n-propylbenzene	1.22E-02	mg/l	4.03E-05	mg/kg-day	4.00E-02	mg/kg-day	1.01E-03
				o-Xylene	6.86E-03	mg/l	2.26E-05	mg/kg-day	2.86E-02	mg/kg-day	7.92E-04

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Air (Cont.)	Domestic Use of Groundwater Indoors (Cont.)	Inhalation (bathing/ showering) (Cont.)	Phenanthrene	2.00E-03	mg/l	6.59E-06	mg/kg-day	3.00E-01	mg/kg-day	2.20E-05
				Pyrene	3.00E-03	mg/l	9.89E-06	mg/kg-day	3.00E-02	mg/kg-day	3.30E-04
				sec-Butylbenzene	5.00E-04	mg/l	1.65E-06	mg/kg-day	1.14E-02	mg/kg-day	1.44E-04
				tert-Butylbenzene	3.00E-04	mg/l	9.89E-07	mg/kg-day	1.14E-02	mg/kg-day	8.66E-05
				trans-1,2-Dichloroethene	1.16E-02	mg/l	3.83E-05	mg/kg-day	2.00E-02	mg/kg-day	1.91E-03
				Tetrachloroethene	5.84E-03	mg/l	1.93E-05	mg/kg-day	1.71E-01	mg/kg-day	1.12E-04
				Toluene	6.35E-03	mg/l	2.09E-05	mg/kg-day	1.14E-01	mg/kg-day	1.83E-04
				Trichloroethene	1.00E+00	mg/l	3.30E-03	mg/kg-day	1.00E-02	mg/kg-day	3.30E-01
				Vinyl chloride	2.54E-02	mg/l	8.37E-05	mg/kg-day	2.86E-02	mg/kg-day	2.93E-03
				Xylene (Total)	1.75E-02	mg/l	5.77E-05	mg/kg-day	2.86E-02	mg/kg-day	2.02E-03
			Exposure Route Total								**8.71E-01**
		Exposure Point Total									**8.71E-01**
		Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-03	mg/m3	5.50E-04	mg/kg-day	6.30E-01	mg/kg-day	8.72E-04
				1,1,2-Trichloroethane	4.59E-05	mg/m3	1.25E-05	mg/kg-day	4.00E-03	mg/kg-day	3.13E-03
				1,1-Dichlorethane	3.16E-03	mg/m3	8.63E-04	mg/kg-day	1.40E-01	mg/kg-day	6.16E-03
				1,1-Dichlorethene	9.92E-02	mg/m3	2.71E-02	mg/kg-day	5.71E-02	mg/kg-day	4.73E-01
				1,2,4-Trimethylbenzene	2.33E-04	mg/m3	6.37E-05	mg/kg-day	1.70E-03	mg/kg-day	3.75E-02
				1,2-Dichlorobenzene	9.49E-05	mg/m3	2.59E-05	mg/kg-day	5.70E-02	mg/kg-day	4.54E-04
				1,2-Dichlorethane	7.70E-05	mg/m3	2.10E-05	mg/kg-day	6.86E-01	mg/kg-day	3.06E-05
				1,2-Dichlorethene (Total)	6.08E-03	mg/m3	1.66E-03	mg/kg-day	1.00E-02	mg/kg-day	1.66E-01
				1,2-Dichloropropane	1.41E-06	mg/m3	3.84E-07	mg/kg-day	1.10E-03	mg/kg-day	3.49E-04
				1,3,5-Trimethylbenzene	2.08E-04	mg/m3	5.69E-05	mg/kg-day	1.70E-03	mg/kg-day	3.35E-02
				1,3-Dichlorobenzene	5.39E-05	mg/m3	1.47E-05	mg/kg-day	3.00E-02	mg/kg-day	4.90E-04
				1,4-Dichlorobenzene	5.92E-05	mg/m3	1.61E-05	mg/kg-day	2.29E-01	mg/kg-day	7.06E-05
				2-Butanone	2.35E-05	mg/m3	6.42E-06	mg/kg-day	1.43E+00	mg/kg-day	4.49E-06

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Air (Cont.)	Indoor Air (Cont.)	Inhalation (Vapor Intrusion) (Cont.)	2-Hexanone	1.31E-06	mg/m3	3.58E-07	mg/kg-day	8.60E-01	mg/kg-day	4.16E-07
				2-MethylNaphthalene	8.28E-07	mg/m3	2.26E-07	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-05	mg/m3	5.19E-06	mg/kg-day	8.60E-01	mg/kg-day	6.04E-06
				Acenaphthene	6.52E-07	mg/m3	1.78E-07	mg/kg-day	6.00E-02	mg/kg-day	2.97E-06
				Acenaphthylene	6.52E-07	mg/m3	1.78E-07	mg/kg-day	6.00E-02	mg/kg-day	2.97E-06
				Acetone	5.45E-04	mg/m3	1.49E-04	mg/kg-day	9.00E-01	mg/kg-day	1.65E-04
				Benzene	5.01E-04	mg/m3	1.37E-04	mg/kg-day	8.57E-03	mg/kg-day	1.59E-02
				Bromodichloromethane	2.55E-05	mg/m3	6.97E-06	mg/kg-day	2.00E-02	mg/kg-day	3.48E-04
				Carbon disulfide	1.61E-03	mg/m3	4.39E-04	mg/kg-day	2.00E-01	mg/kg-day	2.19E-03
				Chlorobenzene	9.89E-05	mg/m3	2.70E-05	mg/kg-day	1.71E-02	mg/kg-day	1.57E-03
				Chloroethane	1.47E-03	mg/m3	4.01E-04	mg/kg-day	2.90E+00	mg/kg-day	1.38E-04
				Chloroform	1.82E-04	mg/m3	4.97E-05	mg/kg-day	1.40E-04	mg/kg-day	3.55E-01
				Chloromethane	5.88E-04	mg/m3	1.60E-04	mg/kg-day	2.57E-02	mg/kg-day	6.24E-03
				cis-1,2-Dichloroethene	1.15E-03	mg/m3	3.14E-04	mg/kg-day	1.00E-02	mg/kg-day	3.14E-02
				Cyanide	9.60E-05	mg/m3	2.62E-05	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	2.48E-04	mg/m3	6.78E-05	mg/kg-day	2.86E-01	mg/kg-day	2.37E-04
				Fluorene	1.34E-07	mg/m3	3.66E-08	mg/kg-day	4.00E-02	mg/kg-day	9.14E-07
				Hexachlorobutadiene	9.57E-06	mg/m3	2.61E-06	mg/kg-day	3.00E-04	mg/kg-day	8.71E-03
				Isopropylbenzene	2.12E-02	mg/m3	5.79E-03	mg/kg-day	1.10E-01	mg/kg-day	5.26E-02
				m,p-Xylene	4.52E-04	mg/m3	1.23E-04	mg/kg-day	2.86E-02	mg/kg-day	4.31E-03
				Methylene Chloride	1.47E-04	mg/m3	4.01E-05	mg/kg-day	8.57E-01	mg/kg-day	4.67E-05
				Methyl-T-Butyl-ether	2.95E-05	mg/m3	8.06E-06	mg/kg-day	8.57E-01	mg/kg-day	9.41E-06
				Naphthalene	5.03E-05	mg/m3	1.37E-05	mg/kg-day	8.57E-04	mg/kg-day	1.60E-02
				n-Butylbenzene	9.94E-05	mg/m3	2.71E-05	mg/kg-day	1.14E-02	mg/kg-day	2.37E-03
				n-propylbenzene	4.44E-04	mg/m3	1.21E-04	mg/kg-day	4.00E-02	mg/kg-day	3.03E-03

TABLE F-7.4.3.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Air (Cont.)	Indoor Air (Cont.)	Inhalation (Vapor Intrusion) (Cont.)	o-Xylene	1.73E-04	mg/m3	4.71E-05	mg/kg-day	2.86E-02	mg/kg-day	1.65E-03
				Phenanthrene	1.75E-07	mg/m3	4.79E-08	mg/kg-day	3.00E-01	mg/kg-day	1.60E-07
				Pyrene	6.77E-08	mg/m3	1.85E-08	mg/kg-day	3.00E-02	mg/kg-day	6.16E-07
				sec-Butylbenzene	5.50E-08	mg/m3	1.50E-08	mg/kg-day	1.14E-02	mg/kg-day	1.31E-06
				tert-Butylbenzene	1.30E-05	mg/m3	3.54E-06	mg/kg-day	1.14E-02	mg/kg-day	3.10E-04
				trans-1,2-Dichloroethene	9.43E-04	mg/m3	2.57E-04	mg/kg-day	2.00E-02	mg/kg-day	1.29E-02
				Tetrachloroethene	4.75E-04	mg/m3	1.30E-04	mg/kg-day	1.71E-01	mg/kg-day	7.56E-04
				Toluene	2.22E-04	mg/m3	6.05E-05	mg/kg-day	1.14E-01	mg/kg-day	5.30E-04
				Trichloroethene	5.23E-02	mg/m3	1.43E-02	mg/kg-day	1.00E-02	mg/kg-day	1.43E+00
				Vinyl chloride	5.47E-03	mg/m3	1.49E-03	mg/kg-day	2.86E-02	mg/kg-day	5.22E-02
				Xylene (Total)	5.96E-04	mg/m3	1.63E-04	mg/kg-day	2.86E-02	mg/kg-day	5.70E-03
			Exposure Route Total								**2.72E+00**
		Exposure Point Total									**2.72E+00**
	Exposure Medium Total										**3.60E+00**
Medium Total											**1.31E+02**
										Total of Receptor Hazards Across All Media	**1.33E+02**

Notes:

--	Not applicable or not available	mg/L	Milligrams per liter
EPA	U.S. Environmental Protection Agency	mg/m^3	Milligrams per cubic meter
EPC	Exposure point concentration	RAGS	Risk Assessment Guidance for Superfund
ft bgs	Feet below ground surface	RfD	Reference dose
mg/kg	Milligrams per kilogram	RfC	Reference concentration
mg/kg-day	Milligrams per kilogram per day	RME	Reasonable maximum exposure

(a) See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-7.4.4.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Ingestion	2-Methylnaphthalene	1.84E-02	mg/kg	2.35E-07	mg/kg-day	4.00E-03	mg/kg-day	5.88E-05
				4,4'-DDD	1.20E-02	mg/kg	1.53E-07	mg/kg-day	5.00E-04	mg/kg-day	3.07E-04
				4,4'-DDT	5.80E-02	mg/kg	7.42E-07	mg/kg-day	5.00E-04	mg/kg-day	1.48E-03
				Acenaphthene	1.00E-02	mg/kg	1.28E-07	mg/kg-day	6.00E-02	mg/kg-day	2.13E-06
				Acenaphthylene	2.10E-03	mg/kg	2.68E-08	mg/kg-day	6.00E-02	mg/kg-day	4.47E-07
				Acetone	5.00E-03	mg/kg	6.39E-08	mg/kg-day	9.00E-01	mg/kg-day	7.10E-08
				Aluminum	1.47E+04	mg/kg	1.88E-01	mg/kg-day	1.00E+00	mg/kg-day	1.88E-01
				Anthracene	1.52E-02	mg/kg	1.94E-07	mg/kg-day	3.00E-01	mg/kg-day	6.48E-07
				Antimony	5.73E+00	mg/kg	7.32E-05	mg/kg-day	4.00E-04	mg/kg-day	1.83E-01
				Aroclor-1260	1.40E-01	mg/kg	1.79E-06	mg/kg-day	2.00E-05	mg/kg-day	8.95E-02
				Arsenic	2.00E+01	mg/kg	2.56E-04	mg/kg-day	3.00E-04	mg/kg-day	8.52E-01
				Barium	2.33E+02	mg/kg	2.97E-03	mg/kg-day	7.00E-02	mg/kg-day	4.25E-02
				Benzo(a)anthracene	3.31E-02	mg/kg	4.23E-07	mg/kg-day	--	--	--
				Benzo(a)pyrene	4.33E-02	mg/kg	5.54E-07	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.92E-02	mg/kg	2.46E-07	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.48E-02	mg/kg	3.17E-07	mg/kg-day	3.00E-02	mg/kg-day	1.06E-05
				Benzo(k)fluoranthene	2.58E-02	mg/kg	3.29E-07	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	3.20E-05	mg/kg-day	2.00E-03	mg/kg-day	1.60E-02
				bis(2-ethylhexyl)phthalate	5.20E-02	mg/kg	6.65E-07	mg/kg-day	2.00E-02	mg/kg-day	3.32E-05
				Cadmium	9.50E+00	mg/kg	1.21E-04	mg/kg-day	5.00E-04	mg/kg-day	2.43E-01
				Chromium	3.56E+01	mg/kg	4.55E-04	mg/kg-day	1.50E+00	mg/kg-day	3.03E-04
				Chrysene	7.03E-02	mg/kg	8.99E-07	mg/kg-day	--	--	--
				Cobalt	1.47E+01	mg/kg	1.88E-04	mg/kg-day	2.00E-02	mg/kg-day	9.41E-03
				Copper	6.64E+01	mg/kg	8.49E-04	mg/kg-day	4.00E-02	mg/kg-day	2.12E-02
				Dibenzo(a,h)anthracene	1.71E-02	mg/kg	2.18E-07	mg/kg-day	--	--	--
				di-n-Butylphthalate	7.10E-02	mg/kg	9.08E-07	mg/kg-day	1.00E-01	mg/kg-day	9.08E-06
				Fluoranthene	2.33E-02	mg/kg	2.97E-07	mg/kg-day	4.00E-02	mg/kg-day	7.43E-06
				Fluorene	2.00E-02	mg/kg	2.56E-07	mg/kg-day	4.00E-02	mg/kg-day	6.40E-06
				Indeno(1,2,3-cd)pyrene	3.82E-02	mg/kg	4.88E-07	mg/kg-day	--	--	--
				Iron	2.55E+04	mg/kg	3.26E-01	mg/kg-day	3.00E-01	mg/kg-day	1.09E+00
				Lead	1.32E+02	mg/kg	1.69E-03	mg/kg-day	--	--	--
				Manganese	4.87E+02	mg/kg	6.23E-03	mg/kg-day	2.40E-02	mg/kg-day	2.60E-01

TABLE F-7.4.4.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Soil (Cont.)	Site Soil (Cont.)	Ingestion (Cont.)	Mercury	1.26E+00	mg/kg	1.62E-05	mg/kg-day	3.00E-04	mg/kg-day	5.39E-02
				Molybdenum	2.80E+00	mg/kg	3.58E-05	mg/kg-day	5.00E-03	mg/kg-day	7.16E-03
				Naphthalene	1.62E-02	mg/kg	2.07E-07	mg/kg-day	2.00E-02	mg/kg-day	1.03E-05
				Nickel	2.99E+01	mg/kg	3.82E-04	mg/kg-day	2.00E-02	mg/kg-day	1.91E-02
				Phenanthrene	2.98E-02	mg/kg	3.81E-07	mg/kg-day	3.00E-01	mg/kg-day	1.27E-06
				Pyrene	3.12E-02	mg/kg	3.98E-07	mg/kg-day	3.00E-02	mg/kg-day	1.33E-05
				Silver	2.86E+00	mg/kg	3.66E-05	mg/kg-day	5.00E-03	mg/kg-day	7.32E-03
				Thallium	2.23E+00	mg/kg	2.85E-05	mg/kg-day	6.60E-05	mg/kg-day	4.31E-01
				Vanadium	5.83E+01	mg/kg	7.46E-04	mg/kg-day	7.00E-03	mg/kg-day	1.07E-01
				Zinc	1.12E+02	mg/kg	1.43E-03	mg/kg-day	3.00E-01	mg/kg-day	4.75E-03
			Exposure Route Total								**3.62E+00**
			Dermal	2-Methylnaphthalene	1.84E-02	mg/kg	6.6E-09	mg/kg-day	4.00E-03	mg/kg-day	1.65E-06
				4,4'-DDD	1.20E-02	mg/kg	4.3E-09	mg/kg-day	5.00E-04	mg/kg-day	8.59E-06
				4,4'-DDT	5.80E-02	mg/kg	6.2E-08	mg/kg-day	5.00E-04	mg/kg-day	1.25E-04
				Acenaphthene	1.00E-02	mg/kg	4.7E-08	mg/kg-day	6.00E-02	mg/kg-day	7.76E-07
				Acenaphthylene	2.10E-03	mg/kg	7.5E-10	mg/kg-day	6.00E-02	mg/kg-day	1.25E-08
				Acetone	5.00E-03	mg/kg	1.8E-09	mg/kg-day	9.00E-01	mg/kg-day	1.99E-09
				Aluminum	1.47E+04	mg/kg	5.3E-04	mg/kg-day	1.00E+00	mg/kg-day	5.26E-04
				Anthracene	1.52E-02	mg/kg	7.1E-08	mg/kg-day	3.00E-01	mg/kg-day	2.36E-07
				Antimony	5.73E+00	mg/kg	2.1E-07	mg/kg-day	4.00E-04	mg/kg-day	5.13E-04
				Aroclor-1260	1.40E-01	mg/kg	7.0E-07	mg/kg-day	2.00E-05	mg/kg-day	3.51E-02
				Arsenic	2.00E+01	mg/kg	2.1E-05	mg/kg-day	3.00E-04	mg/kg-day	7.16E-02
				Barium	2.33E+02	mg/kg	8.3E-06	mg/kg-day	4.90E-03	mg/kg-day	1.70E-03
				Benzo(a)anthracene	3.31E-02	mg/kg	1.5E-07	mg/kg-day	--	--	--
				Benzo(a)pyrene	4.33E-02	mg/kg	2.0E-07	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.92E-02	mg/kg	8.9E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.48E-02	mg/kg	1.2E-07	mg/kg-day	3.00E-02	mg/kg-day	3.84E-06
				Benzo(k)fluoranthene	2.58E-02	mg/kg	1.2E-07	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	8.9E-08	mg/kg-day	1.40E-05	mg/kg-day	6.39E-03
				bis(2-ethylhexyl)phthalate	5.20E-02	mg/kg	1.9E-08	mg/kg-day	2.00E-02	mg/kg-day	9.31E-07
				Cadmium	9.50E+00	mg/kg	3.4E-07	mg/kg-day	5.00E-04	mg/kg-day	6.80E-04
				Chromium	3.56E+01	mg/kg	1.3E-06	mg/kg-day	1.50E+00	mg/kg-day	8.50E-07

TABLE F-7.4.4.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Dermal	Chrysene	7.03E-02	mg/kg	3.3E-07	mg/kg-day	--	--	--
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Cobalt	1.47E+01	mg/kg	5.3E-07	mg/kg-day	2.00E-02	mg/kg-day	2.64E-05
				Copper	6.64E+01	mg/kg	2.4E-06	mg/kg-day	4.00E-02	mg/kg-day	5.94E-05
				Dibenzo(a,h)anthracene	1.71E-02	mg/kg	7.9E-08	mg/kg-day	--	--	--
				di-n-Butylphthalate	7.10E-02	mg/kg	2.5E-08	mg/kg-day	1.00E+01	mg/kg-day	2.54E-09
				Fluoranthene	2.33E-02	mg/kg	1.1E-07	mg/kg-day	4.00E-02	mg/kg-day	2.71E-06
				Fluorene	2.00E-02	mg/kg	9.3E-08	mg/kg-day	4.00E-02	mg/kg-day	2.33E-06
				Indeno(1,2,3-cd)pyrene	3.82E-02	mg/kg	1.8E-07	mg/kg-day	--	--	--
				Iron	2.55E+04	mg/kg	9.1E-04	mg/kg-day	3.00E-01	mg/kg-day	3.04E-03
				Lead	1.32E+02	mg/kg	4.7E-06	mg/kg-day	--	--	--
				Manganese	4.87E+02	mg/kg	1.7E-05	mg/kg-day	2.40E-02	mg/kg-day	7.27E-04
				Mercury	1.26E+00	mg/kg	--	mg/kg-day	2.10E-05	mg/kg-day	--
				Molybdenum	2.80E+00	mg/kg	1.0E-07	mg/kg-day	5.00E-03	mg/kg-day	2.00E-05
				Naphthalene	1.62E-02	mg/kg	7.5E-08	mg/kg-day	2.00E-02	mg/kg-day	3.77E-06
				Nickel	2.99E+01	mg/kg	1.1E-06	mg/kg-day	8.00E-04	mg/kg-day	1.34E-03
				Phenanthrene	2.98E-02	mg/kg	1.1E-08	mg/kg-day	3.00E-01	mg/kg-day	3.55E-08
				Pyrene	3.12E-02	mg/kg	1.5E-07	mg/kg-day	3.00E-02	mg/kg-day	4.83E-06
				Silver	2.86E+00	mg/kg	1.0E-07	mg/kg-day	2.00E-04	mg/kg-day	5.13E-04
				Thallium	2.23E+00	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Vanadium	5.83E+01	mg/kg	2.1E-06	mg/kg-day	1.82E-04	mg/kg-day	1.15E-02
				Zinc	1.12E+02	mg/kg	4.0E-06	mg/kg-day	3.00E-01	mg/kg-day	1.33E-05
			Exposure Route Total								**1.34E-01**
		Exposure Point Total									**3.76E+00**
		Homegrown Produce	Ingestion	2-Methylnaphthalene	1.84E-02	mg/kg	--	mg/kg-day	4.00E-03	mg/kg-day	--
				4,4'-DDD	1.20E-02	mg/kg	6.7E-10	mg/kg-day	5.00E-04	mg/kg-day	1.34E-06
				4,4'-DDT	5.80E-02	mg/kg	2.5E-09	mg/kg-day	5.00E-04	mg/kg-day	4.99E-06
				Acenaphthene	1.00E-02	mg/kg	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Acenaphthylene	2.10E-03	mg/kg	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Acetone	5.00E-03	mg/kg	--	mg/kg-day	9.00E-01	mg/kg-day	--
				Aluminum	1.47E+04	mg/kg	--	mg/kg-day	1.00E+00	mg/kg-day	--
				Anthracene	1.52E-02	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Antimony	5.73E+00	mg/kg	--	mg/kg-day	4.00E-04	mg/kg-day	--

TABLE F-7.4.4.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Homegrown Produce	Ingestion	Aroclor-1260	1.40E-01	mg/kg	1.1E-08	mg/kg-day	2.00E-05	mg/kg-day	5.63E-04
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Arsenic	2.00E+01	mg/kg	1.0E-04	mg/kg-day	3.00E-04	mg/kg-day	3.38E-01
				Barium	2.33E+02	mg/kg	--	mg/kg-day	7.00E-02	mg/kg-day	--
				Benzo(a)anthracene	3.31E-02	mg/kg	2.7E-09	mg/kg-day	--	--	--
				Benzo(a)pyrene	4.33E-02	mg/kg	2.4E-09	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.92E-02	mg/kg	1.2E-09	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.48E-02	mg/kg	--	mg/kg-day	3.00E-02	mg/kg-day	--
				Benzo(k)fluoranthene	2.58E-02	mg/kg	1.4E-09	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	--	mg/kg-day	2.00E-03	mg/kg-day	--
				bis(2-ethylhexyl)phthalate	5.20E-02	mg/kg	3.9E-11	mg/kg-day	2.00E-02	mg/kg-day	1.95E-09
				Cadmium	9.50E+00	mg/kg	6.1E-04	mg/kg-day	5.00E-04	mg/kg-day	1.22E+00
				Chromium	3.56E+01	mg/kg	--	mg/kg-day	1.50E+00	mg/kg-day	--
				Chrysene	7.03E-02	mg/kg	5.8E-09	mg/kg-day	--	--	--
				Cobalt	1.47E+01	mg/kg	--	mg/kg-day	2.00E-02	mg/kg-day	--
				Copper	6.64E+01	mg/kg	--	mg/kg-day	4.00E-02	mg/kg-day	--
				Dibenzo(a,h)anthracene	1.71E-02	mg/kg	6.1E-10	mg/kg-day	--	--	--
				di-n-Butylphthalate	7.10E-02	mg/kg	1.2E-08	mg/kg-day	1.00E-01	mg/kg-day	1.17E-07
				Fluoranthene	2.33E-02	mg/kg	2.1E-09	mg/kg-day	4.00E-02	mg/kg-day	5.15E-08
				Fluorene	2.00E-02	mg/kg	--	mg/kg-day	4.00E-02	mg/kg-day	--
				Indeno(1,2,3-cd)pyrene	3.82E-02	mg/kg	1.8E-09	mg/kg-day	--	--	--
				Iron	2.55E+04	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Lead	1.32E+02	mg/kg	--	mg/kg-day	--	--	--
				Manganese	4.87E+02	mg/kg	--	mg/kg-day	2.40E-02	mg/kg-day	--
				Mercury	1.26E+00	mg/kg	9.9E-06	mg/kg-day	3.00E-04	mg/kg-day	3.30E-02
				Molybdenum	2.80E+00	mg/kg	--	mg/kg-day	5.00E-03	mg/kg-day	--
				Naphthalene	1.62E-02	mg/kg	--	mg/kg-day	2.00E-02	mg/kg-day	--
				Nickel	2.99E+01	mg/kg	2.5E-04	mg/kg-day	2.00E-02	mg/kg-day	1.24E-02
				Phenanthrene	2.98E-02	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Pyrene	3.12E-02	mg/kg	--	mg/kg-day	3.00E-02	mg/kg-day	--
				Silver	2.86E+00	mg/kg	--	mg/kg-day	5.00E-03	mg/kg-day	--
				Thallium	2.23E+00	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Vanadium	5.83E+01	mg/kg	--	mg/kg-day	7.00E-03	mg/kg-day	--

TABLE F-7.4.4.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Soil (Cont.)	Homegrown Produce (Cont.)	Dermal	Zinc	1.12E+02	mg/kg	3.7E-03	mg/kg-day	3.00E-01	mg/kg-day	1.23E-02
			Exp. Route Total								**1.61E+00**
		Exposure Point Total									**1.61E+00**
	Exposure Medium Total										**5.37E+00**
	Air	Outdoor Air	Inhalation (particulates or VOCs)	2-Methylnaphthalene	1.30E-07	mg/m^3	8.4E-08	mg/kg-day	--	--	--
				4,4'-DDD	9.09E-12	mg/m^3	5.9E-12	mg/kg-day	5.00E-04	mg/kg-day	1.17E-08
				4,4'-DDT	4.39E-11	mg/m^3	2.8E-11	mg/kg-day	5.00E-04	mg/kg-day	5.66E-08
				Acenaphthene	5.56E-08	mg/m^3	3.6E-08	mg/kg-day	6.00E-02	mg/kg-day	5.97E-07
				Acenaphthylene	1.17E-08	mg/m^3	7.5E-09	mg/kg-day	6.00E-02	mg/kg-day	1.25E-07
				Acetone	3.97E-07	mg/m^3	2.6E-07	mg/kg-day	9.00E-01	mg/kg-day	2.84E-07
				Aluminum	1.11E-05	mg/m^3	7.2E-06	mg/kg-day	1.43E-03	mg/kg-day	5.02E-03
				Anthracene	2.17E-08	mg/m^3	1.4E-08	mg/kg-day	3.00E-01	mg/kg-day	4.67E-08
				Antimony	4.34E-09	mg/m^3	2.8E-09	mg/kg-day	--	--	--
				Aroclor-1260	1.06E-10	mg/m^3	6.8E-11	mg/kg-day	2.00E-05	mg/kg-day	3.42E-06
				Arsenic	1.52E-08	mg/m^3	9.8E-09	mg/kg-day	--	mg/kg-day	--
				Barium	1.76E-07	mg/m^3	1.1E-07	mg/kg-day	1.40E-04	mg/kg-day	8.11E-04
				Benzo(a)anthracene	2.51E-11	mg/m^3	1.6E-11	mg/kg-day	--	--	--
				Benzo(a)pyrene	3.28E-11	mg/m^3	2.1E-11	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.46E-11	mg/m^3	9.4E-12	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	1.88E-11	mg/m^3	1.2E-11	mg/kg-day	3.00E-02	mg/kg-day	4.03E-10
				Benzo(k)fluoranthene	1.95E-11	mg/m^3	1.3E-11	mg/kg-day	--	--	--
				Beryllium	1.89E-09	mg/m^3	1.2E-09	mg/kg-day	5.71E-06	mg/kg-day	2.14E-04
				bis(2-ethylhexyl)phthalate	3.94E-11	mg/m^3	2.5E-11	mg/kg-day	2.20E-02	mg/kg-day	1.15E-09
				Cadmium	7.20E-09	mg/m^3	4.6E-09	mg/kg-day	--	mg/kg-day	--
				Chromium	2.70E-08	mg/m^3	1.7E-08	mg/kg-day	--	--	--
				Chrysene	5.32E-11	mg/m^3	3.4E-11	mg/kg-day	--	--	--
				Cobalt	1.12E-08	mg/m^3	7.2E-09	mg/kg-day	5.71E-06	mg/kg-day	1.26E-03
				Copper	5.03E-08	mg/m^3	3.2E-08	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.29E-11	mg/m^3	8.3E-12	mg/kg-day	--	--	--
				di-n-Butylphthalate	5.38E-11	mg/m^3	3.5E-11	mg/kg-day	--	--	--
				Fluoranthene	1.76E-11	mg/m^3	1.1E-11	mg/kg-day	4.00E-02	mg/kg-day	2.84E-10
				Fluorene	5.56E-08	mg/m^3	3.6E-08	mg/kg-day	4.00E-02	mg/kg-day	8.96E-07

TABLE F-7.4.4.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Air	Outdoor Air	Inhalation (particulates or VOCs)	Indeno(1,2,3-cd)pyrene	2.89E-11	mg/m^3	1.9E-11	mg/kg-day	--	--	--
				Iron	1.93E-05	mg/m^3	1.2E-05	mg/kg-day	--	--	--
				Lead	1.00E-07	mg/m^3	6.5E-08	mg/kg-day	--	--	--
				Manganese	3.69E-07	mg/m^3	2.4E-07	mg/kg-day	1.43E-05	mg/kg-day	1.66E-02
				Mercury	9.57E-10	mg/m^3	6.2E-10	mg/kg-day	--	mg/kg-day	--
				Molybdenum	2.12E-09	mg/m^3	1.4E-09	mg/kg-day	--	--	--
				Naphthalene	3.76E-07	mg/m^3	2.4E-07	mg/kg-day	8.57E-04	mg/kg-day	2.83E-04
				Nickel	2.26E-08	mg/m^3	1.5E-08	mg/kg-day	5.71E-05	mg/kg-day	2.55E-04
				Phenanthrene	1.99E-08	mg/m^3	1.3E-08	mg/kg-day	3.00E-01	mg/kg-day	4.28E-08
				Pyrene	8.20E-09	mg/m^3	5.3E-09	mg/kg-day	3.00E-02	mg/kg-day	1.76E-07
				Silver	2.17E-09	mg/m^3	1.4E-09	mg/kg-day	--	--	--
				Thallium	1.69E-09	mg/m^3	1.1E-09	mg/kg-day	--	--	--
				Vanadium	4.42E-08	mg/m^3	2.8E-08	mg/kg-day	--	--	--
				Zinc	8.45E-08	mg/m^3	5.4E-08	mg/kg-day	--	mg/kg-day	--
			Exposure Route Total								**2.45E-02**
		Exposure Point Total									**2.45E-02**
	Exposure Medium Total										**2.45E-02**
Medium Total											**5.39E+00**
Groundwater	Groundwater	Domestic Use of Groundwater	Ingestion	1,1,1-Trichloroethane	2.23E-02	mg/L	1.43E-03	mg/kg-day	2.80E-01	mg/kg-day	5.09E-03
				1,1,2-Trichloroethane	1.06E-02	mg/L	6.76E-04	mg/kg-day	4.00E-03	mg/kg-day	1.69E-01
				1,1-Dichlorethane	1.08E-01	mg/L	6.92E-03	mg/kg-day	1.00E-01	mg/kg-day	6.92E-02
				1,1-Dichlorethene	5.89E-01	mg/L	3.76E-02	mg/kg-day	5.00E-02	mg/kg-day	7.53E-01
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	7.23E-04	mg/kg-day	5.00E-02	mg/kg-day	1.45E-02
				1,2-Dichlorobenzene	1.34E-02	mg/L	8.55E-04	mg/kg-day	9.00E-02	mg/kg-day	9.50E-03
				1,2-Dichlorethane	1.25E-02	mg/L	7.98E-04	mg/kg-day	2.00E-02	mg/kg-day	3.99E-02
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	1.88E-02	mg/kg-day	1.00E-02	mg/kg-day	1.88E+00
				1,2-Dichloropropane	1.00E-04	mg/L	6.39E-06	mg/kg-day	1.10E-03	mg/kg-day	5.81E-03
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	6.79E-04	mg/kg-day	5.00E-02	mg/kg-day	1.36E-02
				1,3-Dichlorobenzene	4.50E-03	mg/L	2.88E-04	mg/kg-day	9.00E-04	mg/kg-day	3.20E-01
				1,4-Dichlorobenzene	6.42E-03	mg/L	4.10E-04	mg/kg-day	3.00E-02	mg/kg-day	1.37E-02
				2-Butanone	7.10E-02	mg/L	4.54E-03	mg/kg-day	6.00E-01	mg/kg-day	7.56E-03
				2-Hexanone	2.00E-03	mg/L	1.28E-04	mg/kg-day	8.00E-02	mg/kg-day	1.60E-03

TABLE F-7.4.4.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Ingestion (Cont.)	2-Methylnaphthalene	7.00E-04	mg/L	4.47E-05	mg/kg-day	4.00E-03	mg/kg-day	1.12E-02
				4-Methyl-2-pentanone	2.90E-02	mg/L	1.85E-03	mg/kg-day	8.00E-02	mg/kg-day	2.32E-02
				Acenaphthene	2.00E-03	mg/L	1.28E-04	mg/kg-day	6.00E-02	mg/kg-day	2.13E-03
				Acenaphthylene	2.00E-03	mg/L	1.28E-04	mg/kg-day	6.00E-02	mg/kg-day	2.13E-03
				Acetone	1.65E+00	mg/L	1.06E-01	mg/kg-day	9.00E-01	mg/kg-day	1.17E-01
				Aluminum	9.88E-01	mg/L	6.31E-02	mg/kg-day	1.00E+00	mg/kg-day	6.31E-02
				Antimony	1.43E-02	mg/L	9.13E-04	mg/kg-day	4.00E-04	mg/kg-day	2.28E+00
				Arsenic	1.98E-02	mg/L	1.27E-03	mg/kg-day	3.00E-04	mg/kg-day	4.22E+00
				Barium	2.70E-01	mg/L	1.72E-02	mg/kg-day	7.00E-02	mg/kg-day	2.46E-01
				Benzene	1.59E-02	mg/L	1.02E-03	mg/kg-day	4.00E-03	mg/kg-day	2.54E-01
				Benzo(a)anthracene	1.00E-04	mg/L	6.39E-06	mg/kg-day	--	--	--
				Benzo(a)pyrene	1.00E-04	mg/L	6.39E-06	mg/kg-day	--	--	--
				Beryllium	1.41E-03	mg/L	9.03E-05	mg/kg-day	2.00E-03	mg/kg-day	4.52E-02
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	4.54E-04	mg/kg-day	2.00E-02	mg/kg-day	2.27E-02
				Bromodichloromethane	7.10E-03	mg/L	4.54E-04	mg/kg-day	2.00E-02	mg/kg-day	2.27E-02
				Cadmium	1.60E-02	mg/L	1.02E-03	mg/kg-day	5.00E-04	mg/kg-day	2.05E+00
				Carbon disulfide	7.53E-03	mg/L	4.81E-04	mg/kg-day	1.00E-01	mg/kg-day	4.81E-03
				Chlorobenzene	6.07E-03	mg/L	3.88E-04	mg/kg-day	2.00E-02	mg/kg-day	1.94E-02
				Chloroethane	1.23E-02	mg/L	7.89E-04	mg/kg-day	4.00E-01	mg/kg-day	1.97E-03
				Chloroform	7.44E-03	mg/L	4.76E-04	mg/kg-day	1.00E-02	mg/kg-day	4.76E-02
				Chloromethane	7.26E-03	mg/L	4.64E-04	mg/kg-day	2.60E-02	mg/kg-day	1.78E-02
				Chromium	1.52E-01	mg/L	9.71E-03	mg/kg-day	1.50E+00	mg/kg-day	6.48E-03
				Chromium (VI)	4.72E-01	mg/L	3.02E-02	mg/kg-day	3.00E-03	mg/kg-day	1.01E+01
				cis-1,2-Dichloroethene	5.55E-02	mg/L	3.55E-03	mg/kg-day	1.00E-02	mg/kg-day	3.55E-01
				Cobalt	1.51E-02	mg/L	9.66E-04	mg/kg-day	2.00E-02	mg/kg-day	4.83E-02
				Copper	1.24E-02	mg/L	7.92E-04	mg/kg-day	4.00E-02	mg/kg-day	1.98E-02
				Cyanide	6.60E-02	mg/L	4.22E-03	mg/kg-day	2.00E-02	mg/kg-day	2.11E-01
				Ethylbenzene	7.18E-03	mg/L	4.59E-04	mg/kg-day	1.00E-01	mg/kg-day	4.59E-03
				Fluoranthene	1.80E-03	mg/L	1.15E-04	mg/kg-day	4.00E-02	mg/kg-day	2.88E-03
				Fluorene	1.00E-03	mg/L	6.39E-05	mg/kg-day	4.00E-02	mg/kg-day	1.60E-03
				Hexachlorobutadiene	4.00E-04	mg/L	2.56E-05	mg/kg-day	3.00E-04	mg/kg-day	8.52E-02
				Iron	1.70E+01	mg/L	1.09E+00	mg/kg-day	3.00E-01	mg/kg-day	3.62E+00

TABLE F-7.4.4.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Ingestion (Cont.)	Isopropylbenzene	5.50E-03	mg/L	3.52E-04	mg/kg-day	1.00E-01	mg/kg-day	3.52E-03
				Lead	7.38E-03	mg/L	4.72E-04	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	8.46E-04	mg/kg-day	2.00E-01	mg/kg-day	4.23E-03
				Manganese	9.91E+00	mg/L	6.33E-01	mg/kg-day	2.40E-02	mg/kg-day	2.64E+01
				Mercury	4.40E-05	mg/L	2.81E-06	mg/kg-day	3.00E-04	mg/kg-day	9.38E-03
				Methylene chloride	9.90E-03	mg/L	6.33E-04	mg/kg-day	6.00E-02	mg/kg-day	1.06E-02
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	4.46E-04	mg/kg-day	8.60E-01	mg/kg-day	5.18E-04
				Molybdenum	7.50E-02	mg/L	4.79E-03	mg/kg-day	5.00E-03	mg/kg-day	9.59E-01
				Naphthalene	3.35E-02	mg/L	2.14E-03	mg/kg-day	2.00E-02	mg/kg-day	1.07E-01
				n-Butylbenzene	2.40E-03	mg/L	1.53E-04	mg/kg-day	4.00E-02	mg/kg-day	3.84E-03
				Nickel	1.83E-01	mg/L	1.17E-02	mg/kg-day	2.00E-02	mg/kg-day	5.84E-01
				n-Propylbenzene	1.22E-02	mg/L	7.82E-04	mg/kg-day	--	mg/kg-day	--
				o-Xylene	6.86E-03	mg/L	4.39E-04	mg/kg-day	2.00E-01	mg/kg-day	2.19E-03
				Phenanthrene	2.00E-03	mg/L	1.28E-04	mg/kg-day	3.00E-01	mg/kg-day	4.26E-04
				Phenol	6.60E-03	mg/L	4.22E-04	mg/kg-day	3.00E-01	mg/kg-day	1.41E-03
				p-Isopropyltoluene	8.00E-04	mg/L	5.11E-05	mg/kg-day	--	mg/kg-day	--
				Pyrene	3.00E-03	mg/L	1.92E-04	mg/kg-day	3.00E-02	mg/kg-day	6.39E-03
				sec-Butylbenzene	5.00E-04	mg/L	3.20E-05	mg/kg-day	4.00E-02	mg/kg-day	7.99E-04
				Selenium	1.08E-02	mg/L	6.91E-04	mg/kg-day	5.00E-03	mg/kg-day	1.38E-01
				Silver	5.48E-03	mg/L	3.50E-04	mg/kg-day	5.00E-03	mg/kg-day	7.00E-02
				Tert-Butanol	4.21E-01	mg/L	2.69E-02	mg/kg-day	--	mg/kg-day	--
				tert-Butylbenzene	3.00E-04	mg/L	1.92E-05	mg/kg-day	4.00E-02	mg/kg-day	4.79E-04
				Tetrachloroethene	5.84E-03	mg/L	3.74E-04	mg/kg-day	1.00E-02	mg/kg-day	3.74E-02
				Thallium	8.12E-03	mg/L	5.19E-04	mg/kg-day	6.60E-05	mg/kg-day	7.86E+00
				Toluene	6.35E-03	mg/L	4.06E-04	mg/kg-day	2.00E-01	mg/kg-day	2.03E-03
				trans-1,2-Dichloroethene	1.16E-02	mg/L	7.42E-04	mg/kg-day	2.00E-02	mg/kg-day	3.71E-02
				Trichloroethene	1.00E+00	mg/L	6.39E-02	mg/kg-day	3.00E-04	mg/kg-day	2.13E+02
				Vanadium	2.85E-02	mg/L	1.83E-03	mg/kg-day	7.00E-03	mg/kg-day	2.61E-01
				Vinyl chloride	2.54E-02	mg/L	1.62E-03	mg/kg-day	3.00E-03	mg/kg-day	5.41E-01
				Xylene (Total)	1.75E-02	mg/L	1.12E-03	mg/kg-day	2.00E-01	mg/kg-day	5.59E-03
				Zinc	1.50E-01	mg/L	9.57E-03	mg/kg-day	3.00E-01	mg/kg-day	3.19E-02
			Exposure Route Total								**2.77E+02**

TABLE F-7.4.4.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Dermal (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/L	1.61E-04	mg/kg-day	2.80E-01	mg/kg-day	5.75E-04
				1,1,2-Trichloroethane	1.06E-02	mg/L	2.87E-05	mg/kg-day	4.00E-03	mg/kg-day	7.17E-03
				1,1-Dichlorethane	1.08E-01	mg/L	4.04E-04	mg/kg-day	1.00E-01	mg/kg-day	4.04E-03
				1,1-Dichlorethene	5.89E-01	mg/L	3.95E-03	mg/kg-day	5.00E-02	mg/kg-day	7.90E-02
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	4.51E-04	mg/kg-day	5.00E-02	mg/kg-day	9.01E-03
				1,2-Dichlorobenzene	1.34E-02	mg/L	3.72E-04	mg/kg-day	9.00E-02	mg/kg-day	4.13E-03
				1,2-Dichlorethane	1.25E-02	mg/L	2.81E-05	mg/kg-day	2.00E-02	mg/kg-day	1.41E-03
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	1.85E-03	mg/kg-day	1.00E-02	mg/kg-day	1.85E-01
				1,2-Dichloropropane	1.00E-04	mg/L	4.19E-07	mg/kg-day	1.10E-03	mg/kg-day	3.80E-04
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	4.23E-04	mg/kg-day	5.00E-02	mg/kg-day	8.46E-03
				1,3-Dichlorobenzene	4.50E-03	mg/L	1.47E-04	mg/kg-day	9.00E-04	mg/kg-day	1.63E-01
				1,4-Dichlorobenzene	6.42E-03	mg/L	1.68E-04	mg/kg-day	3.00E-02	mg/kg-day	5.60E-03
				2-Butanone	7.10E-02	mg/L	3.33E-05	mg/kg-day	6.00E-01	mg/kg-day	5.54E-05
				2-Hexanone	2.00E-03	mg/L	3.76E-06	mg/kg-day	8.00E-02	mg/kg-day	4.69E-05
				2-Methylnaphthalene	7.00E-04	mg/L	4.19E-05	mg/kg-day	4.00E-03	mg/kg-day	1.05E-02
				4-Methyl-2-pentanone	2.90E-02	mg/L	4.86E-05	mg/kg-day	8.00E-02	mg/kg-day	6.07E-04
				Acenaphthene	2.00E-03	mg/L	1.12E-04	mg/kg-day	6.00E-02	mg/kg-day	1.87E-03
				Acenaphthylene	2.00E-03	mg/L	1.19E-04	mg/kg-day	6.00E-02	mg/kg-day	1.98E-03
				Acetone	1.65E+00	mg/L	3.97E-04	mg/kg-day	9.00E-01	mg/kg-day	4.41E-04
				Aluminum	9.88E-01	mg/L	8.92E-04	mg/kg-day	1.00E+00	mg/kg-day	8.92E-04
				Antimony	1.43E-02	mg/L	6.57E-06	mg/kg-day	4.00E-04	mg/kg-day	1.64E-02
				Arsenic	1.98E-02	mg/L	1.61E-05	mg/kg-day	3.00E-04	mg/kg-day	5.38E-02
				Barium	2.70E-01	mg/L	4.58E-05	mg/kg-day	4.90E-03	mg/kg-day	9.36E-03
				Benzene	1.59E-02	mg/L	1.39E-04	mg/kg-day	4.00E-03	mg/kg-day	3.47E-02
				Benzo(a)anthracene	1.00E-04	mg/L	4.00E-05	mg/kg-day	--	--	--
				Benzo(a)pyrene	1.00E-04	mg/L	5.23E-05	mg/kg-day	--	--	--
				Beryllium	1.41E-03	mg/L	3.94E-07	mg/kg-day	1.40E-05	mg/kg-day	2.81E-02
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	5.90E-03	mg/kg-day	2.00E-02	mg/kg-day	2.95E-01
				Bromodichloromethane	7.10E-03	mg/L	1.50E-05	mg/kg-day	2.00E-02	mg/kg-day	7.52E-04
				Cadmium	1.60E-02	mg/L	2.37E-06	mg/kg-day	5.00E-04	mg/kg-day	4.73E-03
				Carbon disulfide	7.53E-03	mg/L	4.95E-05	mg/kg-day	1.00E-01	mg/kg-day	4.95E-04
				Chlorobenzene	6.07E-03	mg/L	1.04E-04	mg/kg-day	2.00E-02	mg/kg-day	5.22E-03

TABLE F-7.4.4.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Dermal (bathing/ showering)	Chloroethane	1.23E-02	mg/L	4.16E-05	mg/kg-day	4.00E-01	mg/kg-day	1.04E-04
				Chloroform	7.44E-03	mg/L	2.80E-05	mg/kg-day	1.00E-02	mg/kg-day	2.80E-03
				Chloromethane	7.26E-03	mg/L	1.27E-05	mg/kg-day	2.60E-02	mg/kg-day	4.89E-04
				Chromium	1.52E-01	mg/L	6.41E-05	mg/kg-day	1.50E+00	mg/kg-day	4.27E-05
				Chromium (VI)	4.72E-01	mg/L	1.99E-04	mg/kg-day	3.00E-03	mg/kg-day	6.64E-02
				cis-1,2-Dichloroethene	5.55E-02	mg/L	3.49E-04	mg/kg-day	1.00E-02	mg/kg-day	3.49E-02
				Cobalt	1.51E-02	mg/L	7.72E-06	mg/kg-day	2.00E-02	mg/kg-day	3.86E-04
				Copper	1.24E-02	mg/L	1.60E-06	mg/kg-day	4.00E-02	mg/kg-day	4.01E-05
				Cyanide	6.60E-02	mg/L	2.41E-05	mg/kg-day	2.00E-02	mg/kg-day	1.21E-03
				Ethylbenzene	7.18E-03	mg/L	2.24E-04	mg/kg-day	1.00E-01	mg/kg-day	2.24E-03
				Fluoranthene	1.80E-03	mg/L	3.90E-04	mg/kg-day	4.00E-02	mg/kg-day	9.74E-03
				Fluorene	1.00E-03	mg/L	7.21E-05	mg/kg-day	4.00E-02	mg/kg-day	1.80E-03
				Hexachlorobutadiene	4.00E-04	mg/L	2.04E-05	mg/kg-day	3.00E-04	mg/kg-day	6.81E-02
				Iron	1.70E+01	mg/L	1.77E-03	mg/kg-day	3.00E-01	mg/kg-day	5.90E-03
				Isopropylbenzene	5.50E-03	mg/L	3.25E-04	mg/kg-day	1.00E-01	mg/kg-day	3.25E-03
				Lead	7.38E-03	mg/L	1.06E-06	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	4.48E-04	mg/kg-day	2.00E-01	mg/kg-day	2.24E-03
				Manganese	9.91E+00	mg/L	5.35E-03	mg/kg-day	2.40E-02	mg/kg-day	2.23E-01
				Mercury	4.40E-05	mg/L	1.86E-08	mg/kg-day	2.10E-05	mg/kg-day	8.84E-04
				Methylene chloride	9.90E-03	mg/L	1.86E-05	mg/kg-day	6.00E-02	mg/kg-day	3.11E-04
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	7.56E-06	mg/kg-day	8.60E-01	mg/kg-day	8.79E-06
				Molybdenum	7.50E-02	mg/L	2.28E-05	mg/kg-day	5.00E-03	mg/kg-day	4.56E-03
				Naphthalene	3.35E-02	mg/L	9.81E-04	mg/kg-day	2.00E-02	mg/kg-day	4.90E-02
				n-Butylbenzene	2.40E-03	mg/L	1.42E-04	mg/kg-day	4.00E-02	mg/kg-day	3.54E-03
				Nickel	1.83E-01	mg/L	2.54E-05	mg/kg-day	8.00E-04	mg/kg-day	3.17E-02
				n-Propylbenzene	1.22E-02	mg/L	7.22E-04	mg/kg-day	--	mg/kg-day	--
				o-Xylene	6.86E-03	mg/L	2.04E-04	mg/kg-day	2.00E-01	mg/kg-day	1.02E-03
				Phenanthrene	2.00E-03	mg/L	1.93E-04	mg/kg-day	3.00E-01	mg/kg-day	6.44E-04
				Phenol	6.60E-03	mg/L	1.54E-05	mg/kg-day	3.00E-01	mg/kg-day	5.13E-05
				p-Isopropyltoluene	8.00E-04	mg/L	4.73E-05	mg/kg-day	--	mg/kg-day	--
				Pyrene	3.00E-03	mg/L	4.10E-04	mg/kg-day	3.00E-02	mg/kg-day	1.37E-02
				sec-Butylbenzene	5.00E-04	mg/L	2.95E-05	mg/kg-day	--	mg/kg-day	--

TABLE F-7.4.4.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Dermal (bathing/ showering)	Selenium	1.08E-02	mg/L	4.12E-06	mg/kg-day	1.50E-03	mg/kg-day	2.74E-03
				Silver	5.48E-03	mg/L	1.41E-06	mg/kg-day	2.00E-04	mg/kg-day	7.04E-03
				Tert-Butanol	4.21E-01	mg/L	3.37E-04	mg/kg-day	--	mg/kg-day	--
				tert-Butylbenzene	3.00E-04	mg/L	1.77E-05	mg/kg-day	4.00E-02	mg/kg-day	4.43E-04
				Tetrachloroethene	5.84E-03	mg/L	1.19E-04	mg/kg-day	1.00E-02	mg/kg-day	1.19E-02
				Thallium	8.12E-03	mg/L	3.42E-06	mg/kg-day	6.60E-05	mg/kg-day	5.19E-02
				Toluene	6.35E-03	mg/L	1.21E-04	mg/kg-day	2.00E-01	mg/kg-day	6.07E-04
				trans-1,2-Dichloroethene	1.16E-02	mg/L	2.36E-04	mg/kg-day	2.00E-02	mg/kg-day	1.18E-02
				Trichloroethene	1.00E+00	mg/L	6.63E-03	mg/kg-day	3.00E-04	mg/kg-day	2.21E+01
				Vanadium	2.85E-02	mg/L	1.63E-05	mg/kg-day	1.82E-04	mg/kg-day	8.93E-02
				Vinyl chloride	2.54E-02	mg/L	1.21E-04	mg/kg-day	3.00E-03	mg/kg-day	4.03E-02
				Xylene (Total)	1.75E-02	mg/L	5.92E-04	mg/kg-day	2.00E-01	mg/kg-day	2.96E-03
				Zinc	1.50E-01	mg/L	2.16E-05	mg/kg-day	3.00E-01	mg/kg-day	7.20E-05
			Exposure Route Total								**2.38E+01**
		Exposure Point Total									**3.01E+02**
	Exposure Medium Total										**3.01E+02**
	Air	Domestic Use of Groundwater Indoors	Inhalation (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/l	3.00E-04	mg/kg-day	6.30E-01	mg/kg-day	4.75E-04
				1,1,2-Trichloroethane	1.06E-02	mg/l	1.42E-04	mg/kg-day	4.00E-03	mg/kg-day	3.55E-02
				1,1-Dichlorethane	1.08E-01	mg/l	1.45E-03	mg/kg-day	1.40E-01	mg/kg-day	1.04E-02
				1,1-Dichlorethene	5.89E-01	mg/l	7.91E-03	mg/kg-day	5.71E-02	mg/kg-day	1.38E-01
				1,2,4-Trimethylbenzene	1.13E-02	mg/l	1.52E-04	mg/kg-day	1.70E-03	mg/kg-day	8.93E-02
				1,2-Dichlorobenzene	1.34E-02	mg/l	1.79E-04	mg/kg-day	5.70E-02	mg/kg-day	3.15E-03
				1,2-Dichlorethane	1.25E-02	mg/l	1.68E-04	mg/kg-day	6.86E-01	mg/kg-day	2.44E-04
				1,2-Dichlorethene (Total)	2.94E-01	mg/l	3.94E-03	mg/kg-day	1.00E-02	mg/kg-day	3.94E-01
				1,2-Dichloropropane	1.00E-04	mg/l	1.34E-06	mg/kg-day	1.10E-03	mg/kg-day	1.22E-03
				1,3,5-Trimethylbenzene	1.06E-02	mg/l	1.43E-04	mg/kg-day	1.70E-03	mg/kg-day	8.39E-02
				1,3-Dichlorobenzene	4.50E-03	mg/l	6.04E-05	mg/kg-day	3.00E-02	mg/kg-day	2.01E-03
				1,4-Dichlorobenzene	6.42E-03	mg/l	8.62E-05	mg/kg-day	2.29E-01	mg/kg-day	3.77E-04
				2-Butanone	7.10E-02	mg/l	9.53E-04	mg/kg-day	1.43E+00	mg/kg-day	6.67E-04
				2-Hexanone	2.00E-03	mg/l	2.68E-05	mg/kg-day	8.60E-01	mg/kg-day	3.12E-05
				2-MethylNaphthalene	7.00E-04	mg/l	9.40E-06	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/l	3.89E-04	mg/kg-day	8.60E-01	mg/kg-day	4.53E-04

TABLE F-7.4.4.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Air	Domestic Use of Groundwater Indoors	Inhalation (bathing/ showering)	Acenaphthene	2.00E-03	mg/l	2.68E-05	mg/kg-day	6.00E-02	mg/kg-day	4.47E-04
				Acenaphthylene	2.00E-03	mg/l	2.68E-05	mg/kg-day	6.00E-02	mg/kg-day	4.47E-04
				Acetone	1.65E+00	mg/l	2.22E-02	mg/kg-day	9.00E-01	mg/kg-day	2.47E-02
				Benzene	1.59E-02	mg/l	2.13E-04	mg/kg-day	8.57E-03	mg/kg-day	2.49E-02
				Bromodichloromethane	7.10E-03	mg/l	9.53E-05	mg/kg-day	2.00E-02	mg/kg-day	4.77E-03
				Carbon disulfide	7.53E-03	mg/l	1.01E-04	mg/kg-day	2.00E-01	mg/kg-day	5.05E-04
				Chlorobenzene	6.07E-03	mg/l	8.15E-05	mg/kg-day	1.71E-02	mg/kg-day	4.76E-03
				Chloroethane	1.23E-02	mg/l	1.66E-04	mg/kg-day	2.90E+00	mg/kg-day	5.72E-05
				Chloroform	7.44E-03	mg/l	9.99E-05	mg/kg-day	1.40E-04	mg/kg-day	7.14E-01
				Chloromethane	7.26E-03	mg/l	9.75E-05	mg/kg-day	2.57E-02	mg/kg-day	3.79E-03
				cis-1,2-Dichloroethene	5.55E-02	mg/l	7.45E-04	mg/kg-day	1.00E-02	mg/kg-day	7.45E-02
				Cyanide	6.60E-02	mg/l	8.86E-04	mg/kg-day	–	mg/kg-day	--
				Ethylbenzene	7.18E-03	mg/l	9.65E-05	mg/kg-day	2.86E-01	mg/kg-day	3.38E-04
				Fluorene	1.00E-03	mg/l	1.34E-05	mg/kg-day	4.00E-02	mg/kg-day	3.36E-04
				Hexachlorobutadiene	4.00E-04	mg/l	5.37E-06	mg/kg-day	3.00E-04	mg/kg-day	1.79E-02
				Isopropylbenzene	5.50E-03	mg/l	7.38E-05	mg/kg-day	1.10E-01	mg/kg-day	6.71E-04
				m,p-Xylene	1.32E-02	mg/l	1.78E-04	mg/kg-day	2.86E-02	mg/kg-day	6.22E-03
				Methylene Chloride	9.90E-03	mg/l	1.33E-04	mg/kg-day	8.57E-01	mg/kg-day	1.55E-04
				Methyl-T-Butyl-ether	6.97E-03	mg/l	9.36E-05	mg/kg-day	8.57E-01	mg/kg-day	1.09E-04
				Naphthalene	3.35E-02	mg/l	4.50E-04	mg/kg-day	8.57E-04	mg/kg-day	5.24E-01
				n-Butylbenzene	2.40E-03	mg/l	3.22E-05	mg/kg-day	1.14E-02	mg/kg-day	2.82E-03
				n-propylbenzene	1.22E-02	mg/l	1.64E-04	mg/kg-day	4.00E-02	mg/kg-day	4.10E-03
				o-Xylene	6.86E-03	mg/l	9.21E-05	mg/kg-day	2.86E-02	mg/kg-day	3.22E-03
				Phenanthrene	2.00E-03	mg/l	2.68E-05	mg/kg-day	3.00E-01	mg/kg-day	8.95E-05
				Pyrene	3.00E-03	mg/l	4.03E-05	mg/kg-day	3.00E-02	mg/kg-day	1.34E-03
				sec-Butylbenzene	5.00E-04	mg/l	6.71E-06	mg/kg-day	1.14E-02	mg/kg-day	5.87E-04
				tert-Butylbenzene	3.00E-04	mg/l	4.03E-06	mg/kg-day	1.14E-02	mg/kg-day	3.52E-04
				trans-1,2-Dichloroethene	1.16E-02	mg/l	1.56E-04	mg/kg-day	2.00E-02	mg/kg-day	7.79E-03
				Tetrachloroethene	5.84E-03	mg/l	7.85E-05	mg/kg-day	1.71E-01	mg/kg-day	4.58E-04
				Toluene	6.35E-03	mg/l	8.52E-05	mg/kg-day	1.14E-01	mg/kg-day	7.46E-04
				Trichloroethene	1.00E+00	mg/l	1.34E-02	mg/kg-day	1.00E-02	mg/kg-day	1.34E+00
				Vinyl chloride	2.54E-02	mg/l	3.41E-04	mg/kg-day	2.86E-02	mg/kg-day	1.19E-02

TABLE F-7.4.4.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Air (Cont.)	Domestic Use GW Indoors	Inhal (b & s)	Xylene (Total)	1.75E-02	mg/l	2.35E-04	mg/kg-day	2.86E-02	mg/kg-day	8.22E-03
			Exposure Route Total								**3.55E+00**
		Exposure Point Total									**3.55E+00**
		Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-03	mg/m3	1.30E-03	mg/kg-day	6.30E-01	mg/kg-day	2.06E-03
				1,1,2-Trichloroethane	4.59E-05	mg/m3	2.95E-05	mg/kg-day	4.00E-03	mg/kg-day	7.39E-03
				1,1-Dichlorethane	3.16E-03	mg/m3	2.04E-03	mg/kg-day	1.40E-01	mg/kg-day	1.45E-02
				1,1-Dichlorethene	9.92E-02	mg/m3	6.39E-02	mg/kg-day	5.71E-02	mg/kg-day	1.12E+00
				1,2,4-Trimethylbenzene	2.33E-04	mg/m3	1.50E-04	mg/kg-day	1.70E-03	mg/kg-day	8.85E-02
				1,2-Dichlorobenzene	9.49E-05	mg/m3	6.12E-05	mg/kg-day	5.70E-02	mg/kg-day	1.07E-03
				1,2-Dichlorethane	7.70E-05	mg/m3	4.96E-05	mg/kg-day	6.86E-01	mg/kg-day	7.24E-05
				1,2-Dichlorethene (Total)	6.08E-03	mg/m3	3.92E-03	mg/kg-day	1.00E-02	mg/kg-day	3.92E-01
				1,2-Dichloropropane	1.41E-06	mg/m3	9.06E-07	mg/kg-day	1.10E-03	mg/kg-day	8.24E-04
				1,3,5-Trimethylbenzene	2.08E-04	mg/m3	1.34E-04	mg/kg-day	1.70E-03	mg/kg-day	7.90E-02
				1,3-Dichlorobenzene	5.39E-05	mg/m3	3.47E-05	mg/kg-day	3.00E-02	mg/kg-day	1.16E-03
				1,4-Dichlorobenzene	5.92E-05	mg/m3	3.81E-05	mg/kg-day	2.29E-01	mg/kg-day	1.67E-04
				2-Butanone	2.35E-05	mg/m3	1.52E-05	mg/kg-day	1.43E+00	mg/kg-day	1.06E-05
				2-Hexanone	1.31E-06	mg/m3	8.46E-07	mg/kg-day	8.60E-01	mg/kg-day	9.83E-07
				2-MethylNaphthalene	8.28E-07	mg/m3	5.33E-07	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-05	mg/m3	1.23E-05	mg/kg-day	8.60E-01	mg/kg-day	1.43E-05
				Acenaphthene	6.52E-07	mg/m3	4.20E-07	mg/kg-day	6.00E-02	mg/kg-day	7.00E-06
				Acenaphthylene	6.52E-07	mg/m3	4.20E-07	mg/kg-day	6.00E-02	mg/kg-day	7.00E-06
				Acetone	5.45E-04	mg/m3	3.51E-04	mg/kg-day	9.00E-01	mg/kg-day	3.90E-04
				Benzene	5.01E-04	mg/m3	3.23E-04	mg/kg-day	8.57E-03	mg/kg-day	3.77E-02
				Bromodichloromethane	2.55E-05	mg/m3	1.65E-05	mg/kg-day	2.00E-02	mg/kg-day	8.23E-04
				Carbon disulfide	1.61E-03	mg/m3	1.04E-03	mg/kg-day	2.00E-01	mg/kg-day	5.18E-03
				Chlorobenzene	9.89E-05	mg/m3	6.37E-05	mg/kg-day	1.71E-02	mg/kg-day	3.72E-03
				Chloroethane	1.47E-03	mg/m3	9.46E-04	mg/kg-day	2.90E+00	mg/kg-day	3.26E-04
				Chloroform	1.82E-04	mg/m3	1.17E-04	mg/kg-day	1.40E-04	mg/kg-day	8.39E-01
				Chloromethane	5.88E-04	mg/m3	3.79E-04	mg/kg-day	2.57E-02	mg/kg-day	1.47E-02
				cis-1,2-Dichloroethene	1.15E-03	mg/m3	7.41E-04	mg/kg-day	1.00E-02	mg/kg-day	7.41E-02
				Cyanide	9.60E-05	mg/m3	6.18E-05	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	2.48E-04	mg/m3	1.60E-04	mg/kg-day	2.86E-01	mg/kg-day	5.60E-04

TABLE F-7.4.4.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Air (Cont.)	Indoor Air (Cont.)	Inhalation (Vapor Intrusion) (Cont.)	Fluorene	1.34E-07	mg/m3	8.64E-08	mg/kg-day	4.00E-02	mg/kg-day	2.16E-06
				Hexachlorobutadiene	9.57E-06	mg/m3	6.17E-06	mg/kg-day	3.00E-04	mg/kg-day	2.06E-02
				Isopropylbenzene	2.12E-02	mg/m3	1.37E-02	mg/kg-day	1.10E-01	mg/kg-day	1.24E-01
				m,p-Xylene	4.52E-04	mg/m3	2.91E-04	mg/kg-day	2.86E-02	mg/kg-day	1.02E-02
				Methylene Chloride	1.47E-04	mg/m3	9.46E-05	mg/kg-day	8.57E-01	mg/kg-day	1.10E-04
				Methyl-T-Butyl-ether	2.95E-05	mg/m3	1.90E-05	mg/kg-day	8.57E-01	mg/kg-day	2.22E-05
				Naphthalene	5.03E-05	mg/m3	3.24E-05	mg/kg-day	8.57E-04	mg/kg-day	3.78E-02
				n-Butylbenzene	9.94E-05	mg/m3	6.41E-05	mg/kg-day	1.14E-02	mg/kg-day	5.61E-03
				n-propylbenzene	4.44E-04	mg/m3	2.86E-04	mg/kg-day	4.00E-02	mg/kg-day	7.15E-03
				o-Xylene	1.73E-04	mg/m3	1.11E-04	mg/kg-day	2.86E-02	mg/kg-day	3.90E-03
				Phenanthrene	1.75E-07	mg/m3	1.13E-07	mg/kg-day	3.00E-01	mg/kg-day	3.77E-07
				Pyrene	6.77E-08	mg/m3	4.36E-08	mg/kg-day	3.00E-02	mg/kg-day	1.45E-06
				sec-Butylbenzene	5.50E-08	mg/m3	3.54E-08	mg/kg-day	1.14E-02	mg/kg-day	3.10E-06
				tert-Butylbenzene	1.30E-05	mg/m3	8.37E-06	mg/kg-day	1.14E-02	mg/kg-day	7.32E-04
				trans-1,2-Dichloroethene	9.43E-04	mg/m3	6.08E-04	mg/kg-day	2.00E-02	mg/kg-day	3.04E-02
				Tetrachloroethene	4.75E-04	mg/m3	3.06E-04	mg/kg-day	1.71E-01	mg/kg-day	1.78E-03
				Toluene	2.22E-04	mg/m3	1.43E-04	mg/kg-day	1.14E-01	mg/kg-day	1.25E-03
				Trichloroethene	5.23E-02	mg/m3	3.37E-02	mg/kg-day	1.00E-02	mg/kg-day	3.37E+00
				Vinyl chloride	5.47E-03	mg/m3	3.52E-03	mg/kg-day	2.86E-02	mg/kg-day	1.23E-01
				Xylene (Total)	5.96E-04	mg/m3	3.84E-04	mg/kg-day	2.86E-02	mg/kg-day	1.35E-02
			Exposure Route Total								**6.43E+00**
		Exposure Point Total									**6.43E+00**
	Exposure Medium Total										**9.98E+00**
Medium Total											**3.11E+02**
										Total of Receptor Hazards Across All Media	**3.17E+02**

Notes:

--	Not applicable or not available	mg/L	Milligrams per liter
EPA	U.S. Environmental Protection Agency	mg/m^3	Milligrams per cubic meter
EPC	Exposure point concentration	RAGS	Risk Assessment Guidance for Superfund
ft bgs	Feet below ground surface	RfD	Reference dose
mg/kg	Milligrams per kilogram	RfC	Reference concentration
mg/kg-day	Milligrams per kilogram per day	RME	Reasonable maximum exposure

(a) See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-7.4.5.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Ingestion	2-Methylnaphthalene	1.01E-02	mg/kg	9.88E-09	mg/kg-day	4.00E-03	mg/kg-day	2.47E-06
				4,4'-DDD	7.36E-03	mg/kg	7.20E-09	mg/kg-day	5.00E-04	mg/kg-day	1.44E-05
				4,4'-DDT	2.30E-02	mg/kg	2.25E-08	mg/kg-day	5.00E-04	mg/kg-day	4.50E-05
				4-Bromophenyl-phenylether	2.00E-02	mg/kg	1.96E-08	mg/kg-day	--	--	--
				4-Chlorophenyl-phenylether	2.90E-02	mg/kg	2.84E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.79E-02	mg/kg	2.73E-08	mg/kg-day	8.00E-02	mg/kg-day	3.41E-07
				Acenaphthene	9.12E-03	mg/kg	8.92E-09	mg/kg-day	6.00E-02	mg/kg-day	1.49E-07
				Acenaphthylene	5.80E-03	mg/kg	5.68E-09	mg/kg-day	6.00E-02	mg/kg-day	9.46E-08
				Acetone	1.20E-02	mg/kg	1.17E-08	mg/kg-day	9.00E-01	mg/kg-day	1.30E-08
				Aluminum	9.33E+03	mg/kg	9.13E-03	mg/kg-day	1.00E+00	mg/kg-day	9.13E-03
				Anthracene	9.13E-03	mg/kg	8.93E-09	mg/kg-day	3.00E-01	mg/kg-day	2.98E-08
				Antimony	5.61E+00	mg/kg	5.49E-06	mg/kg-day	4.00E-04	mg/kg-day	1.37E-02
				Aroclor-1260	6.66E-02	mg/kg	6.52E-08	mg/kg-day	2.00E-05	mg/kg-day	3.26E-03
				Arsenic	5.94E+00	mg/kg	5.82E-06	mg/kg-day	3.00E-04	mg/kg-day	1.94E-02
				Barium	1.30E+02	mg/kg	1.27E-04	mg/kg-day	7.00E-02	mg/kg-day	1.81E-03
				Benzo(a)anthracene	2.03E-02	mg/kg	1.98E-08	mg/kg-day	--	--	--
				Benzo(a)pyrene	2.89E-02	mg/kg	2.83E-08	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.81E-02	mg/kg	1.77E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.30E-02	mg/kg	2.25E-08	mg/kg-day	3.00E-02	mg/kg-day	7.51E-07
				Benzo(k)fluoranthene	1.65E-02	mg/kg	1.61E-08	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	2.45E-06	mg/kg-day	2.00E-03	mg/kg-day	1.22E-03
				bis(2-ethylhexyl)phthalate	9.60E-02	mg/kg	9.39E-08	mg/kg-day	2.00E-02	mg/kg-day	4.70E-06
				Cadmium	4.92E+00	mg/kg	4.81E-06	mg/kg-day	5.00E-04	mg/kg-day	9.62E-03
				Carbazole	4.02E+00	mg/kg	3.93E-06	mg/kg-day	--	--	--
				Carbon disulfide	2.00E-03	mg/kg	1.96E-09	mg/kg-day	1.00E-01	mg/kg-day	1.96E-08
				Chloroform	5.40E-03	mg/kg	5.28E-09	mg/kg-day	1.00E-02	mg/kg-day	5.28E-07
				Chromium	3.42E+01	mg/kg	3.34E-05	mg/kg-day	1.50E+00	mg/kg-day	2.23E-05
				Chrysene	2.23E-02	mg/kg	2.18E-08	mg/kg-day	--	--	--
				Cobalt	1.01E+01	mg/kg	9.86E-06	mg/kg-day	2.00E-02	mg/kg-day	4.93E-04
				Copper	4.21E+01	mg/kg	4.12E-05	mg/kg-day	4.00E-02	mg/kg-day	1.03E-03
				Dibenzo(a,h)anthracene	1.05E-02	mg/kg	1.02E-08	mg/kg-day	--	--	--
				Dibenzofuran	1.47E+00	mg/kg	1.44E-06	mg/kg-day	2.00E-03	mg/kg-day	7.20E-04

TABLE F-7.4.5.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (Cont.)	Soil (Cont.)	Site Soil (Cont.)	Ingestion (Cont.)	Diethylphthalate	5.60E-02	mg/kg	5.48E-08	mg/kg-day	8.00E-01	mg/kg-day	6.85E-08
				Dimethylphthalate	7.30E-02	mg/kg	7.14E-08	mg/kg-day	1.00E+01	mg/kg-day	7.14E-09
				di-n-Butylphthalate	8.00E-02	mg/kg	7.83E-08	mg/kg-day	1.00E-01	mg/kg-day	7.83E-07
				Ethylbenzene	8.35E-03	mg/kg	8.17E-09	mg/kg-day	1.00E-01	mg/kg-day	8.17E-08
				Fluoranthene	2.05E-02	mg/kg	2.00E-08	mg/kg-day	4.00E-02	mg/kg-day	5.01E-07
				Fluorene	1.14E-02	mg/kg	1.12E-08	mg/kg-day	4.00E-02	mg/kg-day	2.80E-07
				Indeno(1,2,3-cd)pyrene	2.29E-02	mg/kg	2.24E-08	mg/kg-day	--	--	--
				Iron	1.76E+04	mg/kg	1.72E-02	mg/kg-day	3.00E-01	mg/kg-day	5.74E-02
				Lead	3.70E+01	mg/kg	3.62E-05	mg/kg-day	--	--	--
				Manganese	5.09E+02	mg/kg	4.98E-04	mg/kg-day	2.40E-02	mg/kg-day	2.08E-02
				Mercury	2.60E+00	mg/kg	2.54E-06	mg/kg-day	3.00E-04	mg/kg-day	8.48E-03
				Molybdenum	2.00E+00	mg/kg	1.96E-06	mg/kg-day	5.00E-03	mg/kg-day	3.91E-04
				Naphthalene	9.49E-03	mg/kg	9.29E-09	mg/kg-day	2.00E-02	mg/kg-day	4.64E-07
				Nickel	5.26E+01	mg/kg	5.15E-05	mg/kg-day	2.00E-02	mg/kg-day	2.57E-03
				n-Nitroso-diphenylamine	4.90E-02	mg/kg	4.79E-08	mg/kg-day	2.00E-02	mg/kg-day	2.40E-06
				o-Xylene	2.25E-02	mg/kg	2.20E-08	mg/kg-day	2.00E-01	mg/kg-day	1.10E-07
				Phenanthrene	2.11E-02	mg/kg	2.06E-08	mg/kg-day	3.00E-01	mg/kg-day	6.88E-08
				Pyrene	2.68E-02	mg/kg	2.63E-08	mg/kg-day	3.00E-02	mg/kg-day	8.76E-07
				Selenium	6.20E-01	mg/kg	6.07E-07	mg/kg-day	5.00E-03	mg/kg-day	1.21E-04
				Silver	4.71E+00	mg/kg	4.61E-06	mg/kg-day	5.00E-03	mg/kg-day	9.21E-04
				Thallium	1.29E+00	mg/kg	1.26E-06	mg/kg-day	6.60E-05	mg/kg-day	1.92E-02
				Toluene	7.59E-03	mg/kg	7.42E-09	mg/kg-day	2.00E-01	mg/kg-day	3.71E-08
				Trichloroethene	5.00E-03	mg/kg	4.89E-09	mg/kg-day	3.00E-04	mg/kg-day	1.63E-05
				Vanadium	3.74E+01	mg/kg	3.66E-05	mg/kg-day	7.00E-03	mg/kg-day	5.23E-03
				Xylene (Total)	2.16E-02	mg/kg	2.11E-08	mg/kg-day	2.00E-01	mg/kg-day	1.06E-07
				Zinc	7.54E+01	mg/kg	7.37E-05	mg/kg-day	3.00E-01	mg/kg-day	2.46E-04
			Exposure Route Total								**1.76E-01**
			Dermal	2-Methylnaphthalene	1.01E-02	mg/kg	6.5E-10	mg/kg-day	4.00E-03	mg/kg-day	1.63E-07
				4,4'-DDD	7.36E-03	mg/kg	4.8E-10	mg/kg-day	5.00E-04	mg/kg-day	9.50E-07
				4,4'-DDT	2.30E-02	mg/kg	4.5E-09	mg/kg-day	5.00E-04	mg/kg-day	8.91E-06
				4-Bromophenyl-phenylether	2.00E-02	mg/kg	1.3E-09	mg/kg-day	--	--	--
				4-Chlorophenyl-phenylether	2.90E-02	mg/kg	--	mg/kg-day	--	--	--

TABLE F-7.4.5.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Dermal	4-Methyl-2-pentanone	2.79E-02	mg/kg	1.8E-09	mg/kg-day	8.00E-02	mg/kg-day	2.25E-08
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Acenaphthene	9.12E-03	mg/kg	7.7E-09	mg/kg-day	6.00E-02	mg/kg-day	1.28E-07
				Acenaphthylene	5.80E-03	mg/kg	3.7E-10	mg/kg-day	6.00E-02	mg/kg-day	6.24E-09
				Acetone	1.20E-02	mg/kg	7.7E-10	mg/kg-day	9.00E-01	mg/kg-day	8.61E-10
				Aluminum	9.33E+03	mg/kg	6.0E-05	mg/kg-day	1.00E+00	mg/kg-day	6.02E-05
				Anthracene	9.13E-03	mg/kg	7.7E-09	mg/kg-day	3.00E-01	mg/kg-day	2.55E-08
				Antimony	5.61E+00	mg/kg	3.6E-08	mg/kg-day	4.00E-04	mg/kg-day	9.05E-05
				Aroclor-1260	6.66E-02	mg/kg	6.0E-08	mg/kg-day	2.00E-05	mg/kg-day	3.01E-03
				Arsenic	5.94E+00	mg/kg	1.2E-06	mg/kg-day	3.00E-04	mg/kg-day	3.84E-03
				Barium	1.30E+02	mg/kg	8.4E-07	mg/kg-day	4.90E-03	mg/kg-day	1.71E-04
				Benzo(a)anthracene	2.03E-02	mg/kg	1.7E-08	mg/kg-day	--	--	--
				Benzo(a)pyrene	2.89E-02	mg/kg	2.4E-08	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.81E-02	mg/kg	1.5E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.30E-02	mg/kg	1.9E-08	mg/kg-day	3.00E-02	mg/kg-day	6.44E-07
				Benzo(k)fluoranthene	1.65E-02	mg/kg	1.4E-08	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	1.6E-08	mg/kg-day	1.40E-05	mg/kg-day	1.15E-03
				bis(2-ethylhexyl)phthalate	9.60E-02	mg/kg	6.2E-09	mg/kg-day	2.00E-02	mg/kg-day	3.10E-07
				Cadmium	4.92E+00	mg/kg	3.2E-08	mg/kg-day	5.00E-04	mg/kg-day	6.35E-05
				Carbazole	4.02E+00	mg/kg	2.6E-07	mg/kg-day	--	--	--
				Carbon disulfide	2.00E-03	mg/kg	3.2E-09	mg/kg-day	1.00E-01	mg/kg-day	3.23E-08
				Chloroform	5.40E-03	mg/kg	3.5E-10	mg/kg-day	1.00E-02	mg/kg-day	3.49E-08
				Chromium	3.42E+01	mg/kg	2.2E-07	mg/kg-day	1.50E+00	mg/kg-day	1.47E-07
				Chrysene	2.23E-02	mg/kg	1.9E-08	mg/kg-day	--	--	--
				Cobalt	1.01E+01	mg/kg	6.5E-08	mg/kg-day	2.00E-02	mg/kg-day	3.25E-06
				Copper	4.21E+01	mg/kg	2.7E-07	mg/kg-day	4.00E-02	mg/kg-day	6.80E-06
				Dibenzo(a,h)anthracene	1.05E-02	mg/kg	8.8E-09	mg/kg-day	--	--	--
				Dibenzofuran	1.47E+00	mg/kg	9.5E-08	mg/kg-day	2.00E-03	mg/kg-day	4.75E-05
				Diethylphthalate	5.60E-02	mg/kg	3.6E-09	mg/kg-day	8.00E-01	mg/kg-day	4.52E-09
				Dimethylphthalate	7.30E-02	mg/kg	4.7E-09	mg/kg-day	1.00E+01	mg/kg-day	4.71E-10
				di-n-Butylphthalate	8.00E-02	mg/kg	5.2E-09	mg/kg-day	1.00E+01	mg/kg-day	5.17E-10
				Ethylbenzene	8.35E-03	mg/kg	5.4E-10	mg/kg-day	1.00E-01	mg/kg-day	5.39E-09
				Fluoranthene	2.05E-02	mg/kg	1.7E-08	mg/kg-day	4.00E-02	mg/kg-day	4.30E-07

TABLE F-7.4.5.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (Cont.)	Soil (Cont.)	Site Soil (Cont.)	Dermal (Cont.)	Fluorene	1.14E-02	mg/kg	9.6E-09	mg/kg-day	4.00E-02	mg/kg-day	2.40E-07
				Indeno(1,2,3-cd)pyrene	2.29E-02	mg/kg	1.9E-08	mg/kg-day	--	--	--
				Iron	1.76E+04	mg/kg	1.1E-04	mg/kg-day	3.00E-01	mg/kg-day	3.79E-04
				Lead	3.70E+01	mg/kg	2.4E-07	mg/kg-day	--	--	--
				Manganese	5.09E+02	mg/kg	3.3E-06	mg/kg-day	2.40E-02	mg/kg-day	1.37E-04
				Mercury	2.60E+00	mg/kg	--	mg/kg-day	2.10E-05	mg/kg-day	--
				Molybdenum	2.00E+00	mg/kg	1.3E-08	mg/kg-day	5.00E-03	mg/kg-day	2.58E-06
				Naphthalene	9.49E-03	mg/kg	8.0E-09	mg/kg-day	2.00E-02	mg/kg-day	3.98E-07
				Nickel	5.26E+01	mg/kg	3.4E-07	mg/kg-day	8.00E-04	mg/kg-day	4.25E-04
				n-Nitroso-diphenylamine	4.90E-02	mg/kg	3.2E-09	mg/kg-day	2.00E-02	mg/kg-day	1.58E-07
				o-Xylene	2.25E-02	mg/kg	1.5E-09	mg/kg-day	2.00E-01	mg/kg-day	7.26E-09
				Phenanthrene	2.11E-02	mg/kg	1.4E-09	mg/kg-day	3.00E-01	mg/kg-day	4.54E-09
				Pyrene	2.68E-02	mg/kg	2.3E-08	mg/kg-day	3.00E-02	mg/kg-day	7.51E-07
				Selenium	6.20E-01	mg/kg	4.0E-09	mg/kg-day	1.50E-03	mg/kg-day	2.67E-06
				Silver	4.71E+00	mg/kg	3.0E-08	mg/kg-day	2.00E-04	mg/kg-day	1.52E-04
				Thallium	1.29E+00	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Toluene	7.59E-03	mg/kg	4.9E-10	mg/kg-day	2.00E-01	mg/kg-day	2.45E-09
				Trichloroethene	5.00E-03	mg/kg	3.2E-10	mg/kg-day	3.00E-04	mg/kg-day	1.08E-06
				Vanadium	3.74E+01	mg/kg	2.4E-07	mg/kg-day	1.82E-04	mg/kg-day	1.33E-03
				Xylene (Total)	2.16E-02	mg/kg	1.4E-09	mg/kg-day	2.00E-01	mg/kg-day	6.98E-09
				Zinc	7.54E+01	mg/kg	4.9E-07	mg/kg-day	3.00E-01	mg/kg-day	1.62E-06
			Exposure Route Total								**1.09E-02**
		Exposure Point Total									**1.87E-01**
	Exposure Medium Total										**1.87E-01**
	Air	Outdoor Air	Inhalation (particulates or VOCs)	2-Methylnaphthalene	7.12E-08	mg/m^3	1.4E-08	mg/kg-day	--	--	--
				4,4'-DDD	5.57E-12	mg/m^3	1.1E-12	mg/kg-day	5.00E-04	mg/kg-day	2.18E-09
				4,4'-DDT	1.74E-11	mg/m^3	3.4E-12	mg/kg-day	5.00E-04	mg/kg-day	6.82E-09
				4-Bromophenyl-phenylether	1.52E-11	mg/m^3	3.0E-12	mg/kg-day	--	--	--
				4-Chlorophenyl-phenylether	2.20E-11	mg/m^3	4.3E-12	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.12E-06	mg/m^3	2.2E-07	mg/kg-day	8.60E-01	mg/kg-day	2.54E-07
				Acenaphthene	5.07E-08	mg/m^3	9.9E-09	mg/kg-day	6.00E-02	mg/kg-day	1.65E-07
				Acenaphthylene	3.22E-08	mg/m^3	6.3E-09	mg/kg-day	6.00E-02	mg/kg-day	1.05E-07

TABLE F-7.4.5.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-8 ft bgs)	Air	Outdoor Air	Inhalation	Acetone	9.52E-07	mg/m^3	1.9E-07	mg/kg-day	9.00E-01	mg/kg-day	2.07E-07
(Cont.)	(Cont.)	(Cont.)	(particulates or	Aluminum	7.07E-06	mg/m^3	1.4E-06	mg/kg-day	1.43E-03	mg/kg-day	9.67E-04
			VOCs)	Anthracene	1.30E-08	mg/m^3	2.6E-09	mg/kg-day	3.00E-01	mg/kg-day	8.50E-09
			(Cont.)	Antimony	4.25E-09	mg/m^3	8.3E-10	mg/kg-day	--	--	--
				Aroclor-1260	5.04E-11	mg/m^3	9.9E-12	mg/kg-day	2.00E-05	mg/kg-day	4.94E-07
				Arsenic	4.50E-09	mg/m^3	8.8E-10	mg/kg-day	--	mg/kg-day	--
				Barium	9.84E-08	mg/m^3	1.9E-08	mg/kg-day	1.40E-04	mg/kg-day	1.37E-04
				Benzo(a)anthracene	1.54E-11	mg/m^3	3.0E-12	mg/kg-day	--	--	--
				Benzo(a)pyrene	2.19E-11	mg/m^3	4.3E-12	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.37E-11	mg/m^3	2.7E-12	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	1.74E-11	mg/m^3	3.4E-12	mg/kg-day	3.00E-02	mg/kg-day	1.14E-10
				Benzo(k)fluoranthene	1.25E-11	mg/m^3	2.4E-12	mg/kg-day	--	--	--
				Beryllium	1.89E-09	mg/m^3	3.7E-10	mg/kg-day	5.71E-06	mg/kg-day	6.49E-05
				bis(2-ethylhexyl)phthalate	7.27E-11	mg/m^3	1.4E-11	mg/kg-day	2.20E-02	mg/kg-day	6.47E-10
				Cadmium	3.72E-09	mg/m^3	7.3E-10	mg/kg-day	--	mg/kg-day	--
				Carbazole	3.04E-09	mg/m^3	6.0E-10	mg/kg-day	--	--	--
				Carbon disulfide	1.67E-06	mg/m^3	3.3E-07	mg/kg-day	2.00E-01	mg/kg-day	1.63E-06
				Chloroform	2.00E-06	mg/m^3	3.9E-07	mg/kg-day	1.40E-04	mg/kg-day	2.80E-03
				Chromium	2.59E-08	mg/m^3	5.1E-09	mg/kg-day	--	--	--
				Chrysene	1.69E-11	mg/m^3	3.3E-12	mg/kg-day	--	--	--
				Cobalt	7.63E-09	mg/m^3	1.5E-09	mg/kg-day	5.71E-06	mg/kg-day	2.62E-04
				Copper	3.19E-08	mg/m^3	6.2E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	7.93E-12	mg/m^3	1.6E-12	mg/kg-day	--	--	--
				Dibenzofuran	2.26E-06	mg/m^3	4.4E-07	mg/kg-day	2.00E-03	mg/kg-day	2.21E-04
				Diethylphthalate	4.24E-11	mg/m^3	8.3E-12	mg/kg-day	8.00E-01	mg/kg-day	1.04E-11
				Dimethylphthalate	5.53E-11	mg/m^3	1.1E-11	mg/kg-day	1.00E+01	mg/kg-day	1.08E-12
				di-n-Butylphthalate	6.06E-11	mg/m^3	1.2E-11	mg/kg-day	--	--	--
				Ethylbenzene	1.55E-06	mg/m^3	3.0E-07	mg/kg-day	2.86E-01	mg/kg-day	1.06E-06
				Fluoranthene	1.55E-11	mg/m^3	3.0E-12	mg/kg-day	4.00E-02	mg/kg-day	7.59E-11
				Fluorene	3.18E-08	mg/m^3	6.2E-09	mg/kg-day	4.00E-02	mg/kg-day	1.55E-07
				Indeno(1,2,3-cd)pyrene	1.73E-11	mg/m^3	3.4E-12	mg/kg-day	--	--	--
				Iron	1.33E-05	mg/m^3	2.6E-06	mg/kg-day	--	--	--

TABLE F-7.4.5.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (Cont.)	Air (Cont.)	Outdoor Air (Cont.)	Inhalation (particulates or VOCs) (Cont.)	Lead	2.80E-08	mg/m^3	5.5E-09	mg/kg-day	--	--	--
				Manganese	3.86E-07	mg/m^3	7.6E-08	mg/kg-day	1.43E-05	mg/kg-day	5.29E-03
				Mercury	1.97E-09	mg/m^3	3.9E-10	mg/kg-day	--	mg/kg-day	--
				Molybdenum	1.51E-09	mg/m^3	3.0E-10	mg/kg-day	--	--	--
				Naphthalene	2.21E-07	mg/m^3	4.3E-08	mg/kg-day	8.57E-04	mg/kg-day	5.04E-05
				Nickel	3.99E-08	mg/m^3	7.8E-09	mg/kg-day	5.71E-05	mg/kg-day	1.37E-04
				n-Nitroso-diphenylamine	3.71E-11	mg/m^3	7.3E-12	mg/kg-day	2.00E-02	mg/kg-day	3.63E-10
				o-Xylene	3.69E-06	mg/m^3	7.2E-07	mg/kg-day	2.86E-02	mg/kg-day	2.53E-05
				Phenanthrene	1.41E-08	mg/m^3	2.8E-09	mg/kg-day	3.00E-01	mg/kg-day	9.20E-09
				Pyrene	7.06E-09	mg/m^3	1.4E-09	mg/kg-day	3.00E-02	mg/kg-day	4.61E-08
				Selenium	4.70E-10	mg/m^3	9.2E-11	mg/kg-day	--	mg/kg-day	--
				Silver	3.57E-09	mg/m^3	7.0E-10	mg/kg-day	--	--	--
				Thallium	9.79E-10	mg/m^3	1.9E-10	mg/kg-day	--	--	--
				Toluene	1.90E-06	mg/m^3	3.7E-07	mg/kg-day	1.14E-01	mg/kg-day	3.25E-06
				Trichloroethene	1.52E-06	mg/m^3	3.0E-07	mg/kg-day	1.00E-02	mg/kg-day	2.97E-05
				Vanadium	2.83E-08	mg/m^3	5.5E-09	mg/kg-day	--	--	--
				Xylene (Total)	3.54E-06	mg/m^3	6.9E-07	mg/kg-day	2.86E-02	mg/kg-day	2.43E-05
				Zinc	5.71E-08	mg/m^3	1.1E-08	mg/kg-day	--	mg/kg-day	--
			Exposure Route Total								**1.00E-02**
		Exposure Point Total									**1.00E-02**
	Exposure Medium Total										**1.00E-02**
Medium Total											**1.97E-01**
Groundwater	Groundwater	Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-04	mg/m3	3.94E-05	mg/kg-day	6.30E-01	mg/kg-day	6.26E-05
				1,1,2-Trichloroethane	4.59E-06	mg/m3	8.97E-07	mg/kg-day	4.00E-03	mg/kg-day	2.24E-04
				1,1-Dichlorethane	3.16E-04	mg/m3	6.19E-05	mg/kg-day	1.40E-01	mg/kg-day	4.42E-04
				1,1-Dichlorethene	9.92E-03	mg/m3	1.94E-03	mg/kg-day	5.71E-02	mg/kg-day	3.40E-02
				1,2,4-Trimethylbenzene	2.33E-05	mg/m3	4.57E-06	mg/kg-day	1.70E-03	mg/kg-day	2.69E-03
				1,2-Dichlorobenzene	9.49E-06	mg/m3	1.86E-06	mg/kg-day	5.70E-02	mg/kg-day	3.26E-05
				1,2-Dichlorethane	7.70E-06	mg/m3	1.51E-06	mg/kg-day	6.86E-01	mg/kg-day	2.20E-06
				1,2-Dichlorethene (Total)	6.08E-04	mg/m3	1.19E-04	mg/kg-day	1.00E-02	mg/kg-day	1.19E-02
				1,2-Dichloropropane	1.41E-07	mg/m3	2.75E-08	mg/kg-day	1.10E-03	mg/kg-day	2.50E-05
				1,3,5-Trimethylbenzene	2.08E-05	mg/m3	4.08E-06	mg/kg-day	1.70E-03	mg/kg-day	2.40E-03

TABLE F-7.4.5.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Indoor Air (Cont.)	Inhalation (Vapor Intrusion) (Cont.)	1,3-Dichlorobenzene	5.39E-06	mg/m3	1.05E-06	mg/kg-day	3.00E-02	mg/kg-day	3.51E-05
				1,4-Dichlorobenzene	5.92E-06	mg/m3	1.16E-06	mg/kg-day	2.29E-01	mg/kg-day	5.07E-06
				2-Butanone	2.35E-06	mg/m3	4.60E-07	mg/kg-day	1.43E+00	mg/kg-day	3.22E-07
				2-Hexanone	1.31E-07	mg/m3	2.57E-08	mg/kg-day	8.60E-01	mg/kg-day	2.99E-08
				2-MethylNaphthalene	8.28E-08	mg/m3	1.62E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-06	mg/m3	3.72E-07	mg/kg-day	8.60E-01	mg/kg-day	4.33E-07
				Acenaphthene	6.52E-08	mg/m3	1.28E-08	mg/kg-day	6.00E-02	mg/kg-day	2.13E-07
				Acenaphthylene	6.52E-08	mg/m3	1.28E-08	mg/kg-day	6.00E-02	mg/kg-day	2.13E-07
				Acetone	5.45E-05	mg/m3	1.07E-05	mg/kg-day	9.00E-01	mg/kg-day	1.18E-05
				Benzene	5.01E-05	mg/m3	9.80E-06	mg/kg-day	8.57E-03	mg/kg-day	1.14E-03
				Bromodichloromethane	2.55E-06	mg/m3	5.00E-07	mg/kg-day	2.00E-02	mg/kg-day	2.50E-05
				Carbon disulfide	1.61E-04	mg/m3	3.15E-05	mg/kg-day	2.00E-01	mg/kg-day	1.57E-04
				Chlorobenzene	9.89E-06	mg/m3	1.94E-06	mg/kg-day	1.71E-02	mg/kg-day	1.13E-04
				Chloroethane	1.47E-04	mg/m3	2.87E-05	mg/kg-day	2.90E+00	mg/kg-day	9.91E-06
				Chloroform	1.82E-05	mg/m3	3.57E-06	mg/kg-day	1.40E-04	mg/kg-day	2.55E-02
				Chloromethane	5.88E-05	mg/m3	1.15E-05	mg/kg-day	2.57E-02	mg/kg-day	4.47E-04
				cis-1,2-Dichloroethene	1.15E-04	mg/m3	2.25E-05	mg/kg-day	1.00E-02	mg/kg-day	2.25E-03
				Cyanide	9.60E-06	mg/m3	1.88E-06	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	2.48E-05	mg/m3	4.86E-06	mg/kg-day	2.86E-01	mg/kg-day	1.70E-05
				Fluorene	1.34E-08	mg/m3	2.62E-09	mg/kg-day	4.00E-02	mg/kg-day	6.56E-08
				Hexachlorobutadiene	9.57E-07	mg/m3	1.87E-07	mg/kg-day	3.00E-04	mg/kg-day	6.24E-04
				Isopropylbenzene	2.12E-03	mg/m3	4.15E-04	mg/kg-day	1.10E-01	mg/kg-day	3.78E-03
				m,p-Xylene	4.52E-05	mg/m3	8.84E-06	mg/kg-day	2.86E-02	mg/kg-day	3.09E-04
				Methylene Chloride	1.47E-05	mg/m3	2.87E-06	mg/kg-day	8.57E-01	mg/kg-day	3.35E-06
				Methyl-T-Butyl-ether	2.95E-06	mg/m3	5.78E-07	mg/kg-day	8.57E-01	mg/kg-day	6.75E-07
				Naphthalene	5.03E-06	mg/m3	9.84E-07	mg/kg-day	8.57E-04	mg/kg-day	1.15E-03
				n-Butylbenzene	9.94E-06	mg/m3	1.95E-06	mg/kg-day	1.14E-02	mg/kg-day	1.70E-04
				n-propylbenzene	4.44E-05	mg/m3	8.68E-06	mg/kg-day	4.00E-02	mg/kg-day	2.17E-04
				o-Xylene	1.73E-05	mg/m3	3.38E-06	mg/kg-day	2.86E-02	mg/kg-day	1.18E-04
				Phenanthrene	1.75E-08	mg/m3	3.43E-09	mg/kg-day	3.00E-01	mg/kg-day	1.14E-08
				Pyrene	6.77E-09	mg/m3	1.32E-09	mg/kg-day	3.00E-02	mg/kg-day	4.42E-08
				sec-Butylbenzene	5.50E-09	mg/m3	1.08E-09	mg/kg-day	1.14E-02	mg/kg-day	9.42E-08

TABLE F-7.4.5.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Indoor Air (Cont.)	Inhalation (Vapor Intrusion) (Cont.)	tert-Butylbenzene	1.30E-06	mg/m3	2.54E-07	mg/kg-day	1.14E-02	mg/kg-day	2.22E-05
				trans-1,2-Dichloroethene	9.43E-05	mg/m3	1.85E-05	mg/kg-day	2.00E-02	mg/kg-day	9.23E-04
				Tetrachloroethene	4.75E-05	mg/m3	9.29E-06	mg/kg-day	1.71E-01	mg/kg-day	5.42E-05
				Toluene	2.22E-05	mg/m3	4.34E-06	mg/kg-day	1.14E-01	mg/kg-day	3.80E-05
				Trichloroethene	5.23E-03	mg/m3	1.02E-03	mg/kg-day	1.00E-02	mg/kg-day	1.02E-01
				Vinyl chloride	5.47E-04	mg/m3	1.07E-04	mg/kg-day	2.86E-02	mg/kg-day	3.75E-03
				Xylene (Total)	5.96E-05	mg/m3	1.17E-05	mg/kg-day	2.86E-02	mg/kg-day	4.09E-04
			Exposure Route Total								**1.95E-01**
		Exposure Point Total									**1.95E-01**
	Exposure Medium Total										**1.95E-01**
Medium Total											**1.95E-01**
										Total of Receptor Hazards Across All Media	**3.92E-01**

Notes:

--	Not applicable or not available
EPA	U.S. Environmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligrams per kilogram
mg/kg-day	Milligrams per kilogram per day
mg/L	Milligrams per liter
mg/m^3	Milligrams per cubic meter
RAGS	Risk Assessment Guidance for Superfund
RfD	Reference dose
RfC	Reference concentration
RME	Reasonable maximum exposure

(a) See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-7.4.6.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Ingestion	2-Methylnaphthalene	1.01E-02	mg/kg	3.26E-08	mg/kg-day	4.00E-03	mg/kg-day	8.15E-06
				4,4'-DDD	7.36E-03	mg/kg	2.38E-08	mg/kg-day	5.00E-04	mg/kg-day	4.75E-05
				4,4'-DDT	2.30E-02	mg/kg	7.43E-08	mg/kg-day	5.00E-04	mg/kg-day	1.49E-04
				4-Bromophenyl-phenylether	2.00E-02	mg/kg	6.46E-08	mg/kg-day	--	--	--
				4-Chlorophenyl-phenylether	2.90E-02	mg/kg	9.36E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.79E-02	mg/kg	9.00E-08	mg/kg-day	8.00E-02	mg/kg-day	1.13E-06
				Acenaphthene	9.12E-03	mg/kg	2.94E-08	mg/kg-day	6.00E-02	mg/kg-day	4.91E-07
				Acenaphthylene	5.80E-03	mg/kg	1.87E-08	mg/kg-day	6.00E-02	mg/kg-day	3.12E-07
				Acetone	1.20E-02	mg/kg	3.87E-08	mg/kg-day	9.00E-01	mg/kg-day	4.31E-08
				Aluminum	9.33E+03	mg/kg	3.01E-02	mg/kg-day	1.00E+00	mg/kg-day	3.01E-02
				Anthracene	9.13E-03	mg/kg	2.95E-08	mg/kg-day	3.00E-01	mg/kg-day	9.82E-08
				Antimony	5.61E+00	mg/kg	1.81E-05	mg/kg-day	4.00E-04	mg/kg-day	4.53E-02
				Aroclor-1260	6.66E-02	mg/kg	2.15E-07	mg/kg-day	2.00E-05	mg/kg-day	1.08E-02
				Arsenic	5.94E+00	mg/kg	1.92E-05	mg/kg-day	3.00E-04	mg/kg-day	6.40E-02
				Barium	1.30E+02	mg/kg	4.19E-04	mg/kg-day	7.00E-02	mg/kg-day	5.99E-03
				Benzo(a)anthracene	2.03E-02	mg/kg	6.55E-08	mg/kg-day	--	--	--
				Benzo(a)pyrene	2.89E-02	mg/kg	9.33E-08	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.81E-02	mg/kg	5.84E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.30E-02	mg/kg	7.43E-08	mg/kg-day	3.00E-02	mg/kg-day	2.48E-06
				Benzo(k)fluoranthene	1.65E-02	mg/kg	5.32E-08	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	8.07E-06	mg/kg-day	2.00E-03	mg/kg-day	4.04E-03
				bis(2-ethylhexyl)phthalate	9.60E-02	mg/kg	3.10E-07	mg/kg-day	2.00E-02	mg/kg-day	1.55E-05
				Cadmium	4.92E+00	mg/kg	1.59E-05	mg/kg-day	5.00E-04	mg/kg-day	3.17E-02
				Carbazole	4.02E+00	mg/kg	1.30E-05	mg/kg-day	--	--	--
				Carbon disulfide	2.00E-03	mg/kg	6.46E-09	mg/kg-day	1.00E-01	mg/kg-day	6.46E-08
				Chloroform	5.40E-03	mg/kg	1.74E-08	mg/kg-day	1.00E-02	mg/kg-day	1.74E-06
				Chromium	3.42E+01	mg/kg	1.10E-04	mg/kg-day	1.50E+00	mg/kg-day	7.36E-05
				Chrysene	2.23E-02	mg/kg	7.19E-08	mg/kg-day	--	--	--
				Cobalt	1.01E+01	mg/kg	3.25E-05	mg/kg-day	2.00E-02	mg/kg-day	1.63E-03
				Copper	4.21E+01	mg/kg	1.36E-04	mg/kg-day	4.00E-02	mg/kg-day	3.40E-03
				Dibenzo(a,h)anthracene	1.05E-02	mg/kg	3.38E-08	mg/kg-day	--	--	--
				Dibenzofuran	1.47E+00	mg/kg	4.75E-06	mg/kg-day	2.00E-03	mg/kg-day	2.38E-03

TABLE F-7.4.6.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Ingestion	Diethylphthalate	5.60E-02	mg/kg	1.81E-07	mg/kg-day	8.00E-01	mg/kg-day	2.26E-07
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Dimethylphthalate	7.30E-02	mg/kg	2.36E-07	mg/kg-day	1.00E+01	mg/kg-day	2.36E-08
				di-n-Butylphthalate	8.00E-02	mg/kg	2.58E-07	mg/kg-day	1.00E-01	mg/kg-day	2.58E-06
				Ethylbenzene	8.35E-03	mg/kg	2.70E-08	mg/kg-day	1.00E-01	mg/kg-day	2.70E-07
				Fluoranthene	2.05E-02	mg/kg	6.61E-08	mg/kg-day	4.00E-02	mg/kg-day	1.65E-06
				Fluorene	1.14E-02	mg/kg	3.69E-08	mg/kg-day	4.00E-02	mg/kg-day	9.24E-07
				Indeno(1,2,3-cd)pyrene	2.29E-02	mg/kg	7.39E-08	mg/kg-day	--	--	--
				Iron	1.76E+04	mg/kg	5.68E-02	mg/kg-day	3.00E-01	mg/kg-day	1.89E-01
				Lead	3.70E+01	mg/kg	1.19E-04	mg/kg-day	--	--	--
				Manganese	5.09E+02	mg/kg	1.65E-03	mg/kg-day	2.40E-02	mg/kg-day	6.85E-02
				Mercury	2.60E+00	mg/kg	8.40E-06	mg/kg-day	3.00E-04	mg/kg-day	2.80E-02
				Molybdenum	2.00E+00	mg/kg	6.45E-06	mg/kg-day	5.00E-03	mg/kg-day	1.29E-03
				Naphthalene	9.49E-03	mg/kg	3.06E-08	mg/kg-day	2.00E-02	mg/kg-day	1.53E-06
				Nickel	5.26E+01	mg/kg	1.70E-04	mg/kg-day	2.00E-02	mg/kg-day	8.50E-03
				n-Nitroso-diphenylamine	4.90E-02	mg/kg	1.58E-07	mg/kg-day	2.00E-02	mg/kg-day	7.91E-06
				o-Xylene	2.25E-02	mg/kg	7.26E-08	mg/kg-day	2.00E-01	mg/kg-day	3.63E-07
				Phenanthrene	2.11E-02	mg/kg	6.81E-08	mg/kg-day	3.00E-01	mg/kg-day	2.27E-07
				Pyrene	2.68E-02	mg/kg	8.67E-08	mg/kg-day	3.00E-02	mg/kg-day	2.89E-06
				Selenium	6.20E-01	mg/kg	2.00E-06	mg/kg-day	5.00E-03	mg/kg-day	4.00E-04
				Silver	4.71E+00	mg/kg	1.52E-05	mg/kg-day	5.00E-03	mg/kg-day	3.04E-03
				Thallium	1.29E+00	mg/kg	4.17E-06	mg/kg-day	6.60E-05	mg/kg-day	6.32E-02
				Toluene	7.59E-03	mg/kg	2.45E-08	mg/kg-day	2.00E-01	mg/kg-day	1.22E-07
				Trichloroethene	5.00E-03	mg/kg	1.61E-08	mg/kg-day	3.00E-04	mg/kg-day	5.38E-05
				Vanadium	3.74E+01	mg/kg	1.21E-04	mg/kg-day	7.00E-03	mg/kg-day	1.73E-02
				Xylene (Total)	2.16E-02	mg/kg	6.98E-08	mg/kg-day	2.00E-01	mg/kg-day	3.49E-07
				Zinc	7.54E+01	mg/kg	2.43E-04	mg/kg-day	3.00E-01	mg/kg-day	8.11E-04
			Exposure Route Total								**5.80E-01**
			Dermal	2-Methylnaphthalene	1.01E-02	mg/kg	9.8E-10	mg/kg-day	4.00E-03	mg/kg-day	2.44E-07
				4,4'-DDD	7.36E-03	mg/kg	7.1E-10	mg/kg-day	5.00E-04	mg/kg-day	1.43E-06
				4,4'-DDT	2.30E-02	mg/kg	6.7E-09	mg/kg-day	5.00E-04	mg/kg-day	1.34E-05
				4-Bromophenyl-phenylether	2.00E-02	mg/kg	1.9E-09	mg/kg-day	--	--	--
				4-Chlorophenyl-phenylether	2.90E-02	mg/kg	--	mg/kg-day	--	--	--

TABLE F-7.4.6.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Dermal	4-Methyl-2-pentanone	2.79E-02	mg/kg	2.7E-09	mg/kg-day	8.00E-02	mg/kg-day	3.38E-08
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Acenaphthene	9.12E-03	mg/kg	1.1E-08	mg/kg-day	6.00E-02	mg/kg-day	1.91E-07
				Acenaphthylene	5.80E-03	mg/kg	5.6E-10	mg/kg-day	6.00E-02	mg/kg-day	9.36E-09
				Acetone	1.20E-02	mg/kg	1.2E-09	mg/kg-day	9.00E-01	mg/kg-day	1.29E-09
				Aluminum	9.33E+03	mg/kg	9.0E-05	mg/kg-day	1.00E+00	mg/kg-day	9.04E-05
				Anthracene	9.13E-03	mg/kg	1.1E-08	mg/kg-day	3.00E-01	mg/kg-day	3.83E-08
				Antimony	5.61E+00	mg/kg	5.4E-08	mg/kg-day	4.00E-04	mg/kg-day	1.36E-04
				Aroclor-1260	6.66E-02	mg/kg	9.0E-08	mg/kg-day	2.00E-05	mg/kg-day	4.52E-03
				Arsenic	5.94E+00	mg/kg	1.7E-06	mg/kg-day	3.00E-04	mg/kg-day	5.76E-03
				Barium	1.30E+02	mg/kg	1.3E-06	mg/kg-day	4.90E-03	mg/kg-day	2.57E-04
				Benzo(a)anthracene	2.03E-02	mg/kg	2.6E-08	mg/kg-day	--	--	--
				Benzo(a)pyrene	2.89E-02	mg/kg	3.6E-08	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.81E-02	mg/kg	2.3E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.30E-02	mg/kg	2.9E-08	mg/kg-day	3.00E-02	mg/kg-day	9.66E-07
				Benzo(k)fluoranthene	1.65E-02	mg/kg	2.1E-08	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	2.4E-08	mg/kg-day	1.40E-05	mg/kg-day	1.73E-03
				bis(2-ethylhexyl)phthalate	9.60E-02	mg/kg	9.3E-09	mg/kg-day	2.00E-02	mg/kg-day	4.65E-07
				Cadmium	4.92E+00	mg/kg	4.8E-08	mg/kg-day	5.00E-04	mg/kg-day	9.52E-05
				Carbazole	4.02E+00	mg/kg	3.9E-07	mg/kg-day	--	--	--
				Carbon disulfide	2.00E-03	mg/kg	4.8E-09	mg/kg-day	1.00E-01	mg/kg-day	4.84E-08
				Chloroform	5.40E-03	mg/kg	5.2E-10	mg/kg-day	1.00E-02	mg/kg-day	5.23E-08
				Chromium	3.42E+01	mg/kg	3.3E-07	mg/kg-day	1.50E+00	mg/kg-day	2.21E-07
				Chrysene	2.23E-02	mg/kg	2.8E-08	mg/kg-day	--	--	--
				Cobalt	1.01E+01	mg/kg	9.8E-08	mg/kg-day	2.00E-02	mg/kg-day	4.88E-06
				Copper	4.21E+01	mg/kg	4.1E-07	mg/kg-day	4.00E-02	mg/kg-day	1.02E-05
				Dibenzo(a,h)anthracene	1.05E-02	mg/kg	1.3E-08	mg/kg-day	--	--	--
				Dibenzofuran	1.47E+00	mg/kg	1.4E-07	mg/kg-day	2.00E-03	mg/kg-day	7.13E-05
				Diethylphthalate	5.60E-02	mg/kg	5.4E-09	mg/kg-day	8.00E-01	mg/kg-day	6.78E-09
				Dimethylphthalate	7.30E-02	mg/kg	7.1E-09	mg/kg-day	1.00E+01	mg/kg-day	7.07E-10
				di-n-Butylphthalate	8.00E-02	mg/kg	7.7E-09	mg/kg-day	1.00E+01	mg/kg-day	7.75E-10
				Ethylbenzene	8.35E-03	mg/kg	8.1E-10	mg/kg-day	1.00E-01	mg/kg-day	8.09E-09
				Fluoranthene	2.05E-02	mg/kg	2.6E-08	mg/kg-day	4.00E-02	mg/kg-day	6.44E-07

TABLE F-7.4.6.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Dermal	Fluorene	1.14E-02	mg/kg	1.4E-08	mg/kg-day	4.00E-02	mg/kg-day	3.60E-07
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Indeno(1,2,3-cd)pyrene	2.29E-02	mg/kg	2.9E-08	mg/kg-day	--	--	--
				Iron	1.76E+04	mg/kg	1.7E-04	mg/kg-day	3.00E-01	mg/kg-day	5.68E-04
				Lead	3.70E+01	mg/kg	3.6E-07	mg/kg-day	--	--	--
				Manganese	5.09E+02	mg/kg	4.9E-06	mg/kg-day	2.40E-02	mg/kg-day	2.06E-04
				Mercury	2.60E+00	mg/kg	--	mg/kg-day	2.10E-05	mg/kg-day	--
				Molybdenum	2.00E+00	mg/kg	1.9E-08	mg/kg-day	5.00E-03	mg/kg-day	3.87E-06
				Naphthalene	9.49E-03	mg/kg	1.2E-08	mg/kg-day	2.00E-02	mg/kg-day	5.98E-07
				Nickel	5.26E+01	mg/kg	5.1E-07	mg/kg-day	8.00E-04	mg/kg-day	6.37E-04
				n-Nitroso-diphenylamine	4.90E-02	mg/kg	4.7E-09	mg/kg-day	2.00E-02	mg/kg-day	2.37E-07
				o-Xylene	2.25E-02	mg/kg	2.2E-09	mg/kg-day	2.00E-01	mg/kg-day	1.09E-08
				Phenanthrene	2.11E-02	mg/kg	2.0E-09	mg/kg-day	3.00E-01	mg/kg-day	6.81E-09
				Pyrene	2.68E-02	mg/kg	3.4E-08	mg/kg-day	3.00E-02	mg/kg-day	1.13E-06
				Selenium	6.20E-01	mg/kg	6.0E-09	mg/kg-day	1.50E-03	mg/kg-day	4.00E-06
				Silver	4.71E+00	mg/kg	4.6E-08	mg/kg-day	2.00E-04	mg/kg-day	2.28E-04
				Thallium	1.29E+00	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Toluene	7.59E-03	mg/kg	7.3E-10	mg/kg-day	2.00E-01	mg/kg-day	3.67E-09
				Trichloroethene	5.00E-03	mg/kg	4.8E-10	mg/kg-day	3.00E-04	mg/kg-day	1.61E-06
				Vanadium	3.74E+01	mg/kg	3.6E-07	mg/kg-day	1.82E-04	mg/kg-day	1.99E-03
				Xylene (Total)	2.16E-02	mg/kg	2.1E-09	mg/kg-day	2.00E-01	mg/kg-day	1.05E-08
				Zinc	7.54E+01	mg/kg	7.3E-07	mg/kg-day	3.00E-01	mg/kg-day	2.43E-06
			Exposure Route Total								**1.63E-02**
		Exposure Point Total									**5.97E-01**
	Exposure Medium Total										**5.97E-01**
	Air	Outdoor Air	Inhalation	2-Methylnaphthalene	7.12E-08	mg/m^3	1.4E-08	mg/kg-day	--	--	--
			(particulates or	4,4'-DDD	5.57E-12	mg/m^3	1.1E-12	mg/kg-day	5.00E-04	mg/kg-day	2.18E-09
			VOCs)	4,4'-DDT	1.74E-11	mg/m^3	3.4E-12	mg/kg-day	5.00E-04	mg/kg-day	6.82E-09
				4-Bromophenyl-phenylether	1.52E-11	mg/m^3	3.0E-12	mg/kg-day	--	--	--
				4-Chlorophenyl-phenylether	2.20E-11	mg/m^3	4.3E-12	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.12E-06	mg/m^3	2.2E-07	mg/kg-day	8.60E-01	mg/kg-day	2.54E-07
				Acenaphthene	5.07E-08	mg/m^3	9.9E-09	mg/kg-day	6.00E-02	mg/kg-day	1.65E-07
				Acenaphthylene	3.22E-08	mg/m^3	6.3E-09	mg/kg-day	6.00E-02	mg/kg-day	1.05E-07

TABLE F-7.4.6.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (Cont.)	Air (Cont.)	Outdoor Air (Cont.)	Inhalation (particulates or VOCs) (Cont.)	Acetone	9.52E-07	mg/m^3	1.9E-07	mg/kg-day	9.00E-01	mg/kg-day	2.07E-07
				Aluminum	7.07E-06	mg/m^3	1.4E-06	mg/kg-day	1.43E-03	mg/kg-day	9.67E-04
				Anthracene	1.30E-08	mg/m^3	2.6E-09	mg/kg-day	3.00E-01	mg/kg-day	8.50E-09
				Antimony	4.25E-09	mg/m^3	8.3E-10	mg/kg-day	--	--	--
				Aroclor-1260	5.04E-11	mg/m^3	9.9E-12	mg/kg-day	2.00E-05	mg/kg-day	4.94E-07
				Arsenic	4.50E-09	mg/m^3	8.8E-10	mg/kg-day	--	mg/kg-day	--
				Barium	9.84E-08	mg/m^3	1.9E-08	mg/kg-day	1.40E-04	mg/kg-day	1.37E-04
				Benzo(a)anthracene	1.54E-11	mg/m^3	3.0E-12	mg/kg-day	--	--	--
				Benzo(a)pyrene	2.19E-11	mg/m^3	4.3E-12	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.37E-11	mg/m^3	2.7E-12	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	1.74E-11	mg/m^3	3.4E-12	mg/kg-day	3.00E-02	mg/kg-day	1.14E-10
				Benzo(k)fluoranthene	1.25E-11	mg/m^3	2.4E-12	mg/kg-day	--	--	--
				Beryllium	1.89E-09	mg/m^3	3.7E-10	mg/kg-day	5.71E-06	mg/kg-day	6.49E-05
				bis(2-ethylhexyl)phthalate	7.27E-11	mg/m^3	1.4E-11	mg/kg-day	2.20E-02	mg/kg-day	6.47E-10
				Cadmium	3.72E-09	mg/m^3	7.3E-10	mg/kg-day	--	mg/kg-day	--
				Carbazole	3.04E-09	mg/m^3	6.0E-10	mg/kg-day	--	--	--
				Carbon disulfide	1.67E-06	mg/m^3	3.3E-07	mg/kg-day	2.00E-01	mg/kg-day	1.63E-06
				Chloroform	2.00E-06	mg/m^3	3.9E-07	mg/kg-day	1.40E-04	mg/kg-day	2.80E-03
				Chromium	2.59E-08	mg/m^3	5.1E-09	mg/kg-day	--	--	--
				Chrysene	1.69E-11	mg/m^3	3.3E-12	mg/kg-day	--	--	--
				Cobalt	7.63E-09	mg/m^3	1.5E-09	mg/kg-day	5.71E-06	mg/kg-day	2.62E-04
				Copper	3.19E-08	mg/m^3	6.2E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	7.93E-12	mg/m^3	1.6E-12	mg/kg-day	--	--	--
				Dibenzofuran	2.26E-06	mg/m^3	4.4E-07	mg/kg-day	2.00E-03	mg/kg-day	2.21E-04
				Diethylphthalate	4.24E-11	mg/m^3	8.3E-12	mg/kg-day	8.00E-01	mg/kg-day	1.04E-11
				Dimethylphthalate	5.53E-11	mg/m^3	1.1E-11	mg/kg-day	1.00E+01	mg/kg-day	1.08E-12
				di-n-Butylphthalate	6.06E-11	mg/m^3	1.2E-11	mg/kg-day	--	--	--
				Ethylbenzene	1.55E-06	mg/m^3	3.0E-07	mg/kg-day	2.86E-01	mg/kg-day	1.06E-06
				Fluoranthene	1.55E-11	mg/m^3	3.0E-12	mg/kg-day	4.00E-02	mg/kg-day	7.59E-11
				Fluorene	3.18E-08	mg/m^3	6.2E-09	mg/kg-day	4.00E-02	mg/kg-day	1.55E-07
				Indeno(1,2,3-cd)pyrene	1.73E-11	mg/m^3	3.4E-12	mg/kg-day	--	--	--
				Iron	1.33E-05	mg/m^3	2.6E-06	mg/kg-day	--	--	--

TABLE F-7.4.6.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs)	Air	Outdoor Air	Inhalation	Lead	2.80E-08	mg/m^3	5.5E-09	mg/kg-day	--	--	--
(Cont.)	(Cont.)	(Cont.)	(particulates or	Manganese	3.86E-07	mg/m^3	7.6E-08	mg/kg-day	1.43E-05	mg/kg-day	5.29E-03
			VOCs)	Mercury	1.97E-09	mg/m^3	3.9E-10	mg/kg-day	--	mg/kg-day	--
			(Cont.)	Molybdenum	1.51E-09	mg/m^3	3.0E-10	mg/kg-day	--	--	--
				Naphthalene	2.21E-07	mg/m^3	4.3E-08	mg/kg-day	8.57E-04	mg/kg-day	5.04E-05
				Nickel	3.99E-08	mg/m^3	7.8E-09	mg/kg-day	5.71E-05	mg/kg-day	1.37E-04
				n-Nitroso-diphenylamine	3.71E-11	mg/m^3	7.3E-12	mg/kg-day	2.00E-02	mg/kg-day	3.63E-10
				o-Xylene	3.69E-06	mg/m^3	7.2E-07	mg/kg-day	2.86E-02	mg/kg-day	2.53E-05
				Phenanthrene	1.41E-08	mg/m^3	2.8E-09	mg/kg-day	3.00E-01	mg/kg-day	9.20E-09
				Pyrene	7.06E-09	mg/m^3	1.4E-09	mg/kg-day	3.00E-02	mg/kg-day	4.61E-08
				Selenium	4.70E-10	mg/m^3	9.2E-11	mg/kg-day	--	mg/kg-day	--
				Silver	3.57E-09	mg/m^3	7.0E-10	mg/kg-day	--	--	--
				Thallium	9.79E-10	mg/m^3	1.9E-10	mg/kg-day	--	--	--
				Toluene	1.90E-06	mg/m^3	3.7E-07	mg/kg-day	1.14E-01	mg/kg-day	3.25E-06
				Trichloroethene	1.52E-06	mg/m^3	3.0E-07	mg/kg-day	1.00E-02	mg/kg-day	2.97E-05
				Vanadium	2.83E-08	mg/m^3	5.5E-09	mg/kg-day	--	--	--
				Xylene (Total)	3.54E-06	mg/m^3	6.9E-07	mg/kg-day	2.86E-02	mg/kg-day	2.43E-05
				Zinc	5.71E-08	mg/m^3	1.1E-08	mg/kg-day	--	mg/kg-day	--
			Exposure Route Total								**1.00E-02**
		Exposure Point Total									**1.00E-02**
	Exposure Medium Total										**1.00E-02**
Medium Total											**6.07E-01**
Groundwater	Groundwater	Indoor Air	Inhalation	1,1,1-Trichloroethane	2.29E-04	mg/m3	4.49E-05	mg/kg-day	6.30E-01	mg/kg-day	7.12E-05
			(Vapor Intrusion)	1,1,2-Trichloroethane	5.81E-06	mg/m3	1.14E-06	mg/kg-day	4.00E-03	mg/kg-day	2.84E-04
				1,1-Dichlorethane	3.45E-04	mg/m3	6.76E-05	mg/kg-day	1.40E-01	mg/kg-day	4.83E-04
				1,1-Dichlorethene	1.06E-02	mg/m3	2.07E-03	mg/kg-day	5.71E-02	mg/kg-day	3.63E-02
				1,2,4-Trimethylbenzene	--	mg/m3	--	mg/kg-day	1.70E-03	mg/kg-day	--
				1,2-Dichlorobenzene	1.35E-05	mg/m3	2.64E-06	mg/kg-day	5.70E-02	mg/kg-day	4.63E-05
				1,2-Dichlorethane	9.78E-06	mg/m3	1.91E-06	mg/kg-day	6.86E-01	mg/kg-day	2.79E-06
				1,2-Dichlorethene (Total)	2.96E-04	mg/m3	5.79E-05	mg/kg-day	1.00E-02	mg/kg-day	5.79E-03
				1,2-Dichloropropane	1.68E-07	mg/m3	3.29E-08	mg/kg-day	1.10E-03	mg/kg-day	2.99E-05
				1,3,5-Trimethylbenzene	--	mg/m3	--	mg/kg-day	1.70E-03	mg/kg-day	--

TABLE F-7.4.6.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Indoor Air (Cont.)	Inhalation (Vapor Intrusion) (Cont.)	1,3-Dichlorobenzene	5.79E-06	mg/m3	1.13E-06	mg/kg-day	3.00E-02	mg/kg-day	3.78E-05
				1,4-Dichlorobenzene	8.27E-01	mg/m3	1.62E-01	mg/kg-day	2.29E-01	mg/kg-day	7.08E-01
				2-Butanone	--	mg/m3	--	mg/kg-day	1.43E+00	mg/kg-day	--
				2-Hexanone	--	mg/m3	--	mg/kg-day	8.60E-01	mg/kg-day	--
				2-MethylNaphthalene	1.55E-07	mg/m3	3.04E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	--	mg/m3	--	mg/kg-day	8.60E-01	mg/kg-day	--
				Acenaphthene	1.07E-07	mg/m3	2.09E-08	mg/kg-day	6.00E-02	mg/kg-day	3.49E-07
				Acenaphthylene	--	mg/m3	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Acetone	6.83E-05	mg/m3	1.34E-05	mg/kg-day	9.00E-01	mg/kg-day	1.49E-05
				Benzene	5.97E-05	mg/m3	1.17E-05	mg/kg-day	8.57E-03	mg/kg-day	1.36E-03
				Bromodichloromethane	2.63E-06	mg/m3	5.15E-07	mg/kg-day	2.00E-02	mg/kg-day	2.57E-05
				Carbon disulfide	1.81E-04	mg/m3	3.54E-05	mg/kg-day	2.00E-01	mg/kg-day	1.77E-04
				Chlorobenzene	1.26E-05	mg/m3	2.47E-06	mg/kg-day	1.71E-02	mg/kg-day	1.44E-04
				Chloroethane	--	mg/m3	--	mg/kg-day	2.90E+00	mg/kg-day	--
				Chloroform	2.17E-05	mg/m3	4.25E-06	mg/kg-day	1.40E-04	mg/kg-day	3.03E-02
				Chloromethane	--	mg/m3	--	mg/kg-day	2.57E-02	mg/kg-day	--
				cis-1,2-Dichloroethene	1.28E-04	mg/m3	2.50E-05	mg/kg-day	1.00E-02	mg/kg-day	2.50E-03
				Cyanide	--	mg/m3	--	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	3.25E-05	mg/m3	6.36E-06	mg/kg-day	2.86E-01	mg/kg-day	2.23E-05
				Fluorene	2.06E-08	mg/m3	4.03E-09	mg/kg-day	4.00E-02	mg/kg-day	1.01E-07
				Hexachlorobutadiene	1.40E-06	mg/m3	2.74E-07	mg/kg-day	3.00E-04	mg/kg-day	9.13E-04
				Isopropylbenzene	2.49E-05	mg/m3	4.88E-06	mg/kg-day	1.10E-01	mg/kg-day	4.43E-05
				m,p-Xylene	5.98E-05	mg/m3	1.17E-05	mg/kg-day	2.86E-02	mg/kg-day	4.10E-04
				Methylene Chloride	1.68E-05	mg/m3	3.29E-06	mg/kg-day	8.57E-01	mg/kg-day	3.84E-06
				Methyl-T-Butyl-ether	--	mg/m3	--	mg/kg-day	8.57E-01	mg/kg-day	--
				Naphthalene	7.42E-06	mg/m3	1.45E-06	mg/kg-day	8.57E-04	mg/kg-day	1.69E-03
				n-Butylbenzene	1.09E-05	mg/m3	2.13E-06	mg/kg-day	1.14E-02	mg/kg-day	1.86E-04
				n-propylbenzene	5.54E-05	mg/m3	1.08E-05	mg/kg-day	4.00E-02	mg/kg-day	2.71E-04
				o-Xylene	2.38E-05	mg/m3	4.66E-06	mg/kg-day	2.86E-02	mg/kg-day	1.63E-04
				Phenanthrene	4.07E-08	mg/m3	7.97E-09	mg/kg-day	3.00E-01	mg/kg-day	2.66E-08
				Pyrene	1.11E-08	mg/m3	2.17E-09	mg/kg-day	3.00E-02	mg/kg-day	7.24E-08
				sec-Butylbenzene	2.26E-06	mg/m3	4.43E-07	mg/kg-day	1.14E-02	mg/kg-day	3.88E-05

TABLE F-7.4.6.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Indoor Air (Cont.)	Inhalation (Vapor Intrusion) (Cont.)	tert-Butylbenzene	1.36E-06	mg/m3	2.66E-07	mg/kg-day	1.14E-02	mg/kg-day	2.33E-05
				trans-1,2-Dichloroethene	1.18E-04	mg/m3	2.30E-05	mg/kg-day	2.00E-02	mg/kg-day	1.15E-03
				Tetrachloroethene	5.93E-05	mg/m3	1.16E-05	mg/kg-day	1.71E-01	mg/kg-day	6.77E-05
				Toluene	2.81E-05	mg/m3	5.50E-06	mg/kg-day	1.14E-01	mg/kg-day	4.81E-05
				Trichloroethene	6.23E-03	mg/m3	1.22E-03	mg/kg-day	1.00E-02	mg/kg-day	1.22E-01
				Vinyl chloride	5.58E-04	mg/m3	1.09E-04	mg/kg-day	2.86E-02	mg/kg-day	3.82E-03
				Xylene (Total)	7.89E-05	mg/m3	1.54E-05	mg/kg-day	2.86E-02	mg/kg-day	5.40E-04
			Exposure Route Total								**9.17E-01**
		Exposure Point Total									**9.17E-01**
	Exposure Medium Total										**9.17E-01**
Medium Total											**9.17E-01**
										Total of Receptor Hazards Across All Media	**1.52E+00**

Notes:

--	Not applicable or not available
EPA	U.S. Environmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligrams per kilogram
mg/kg-day	Milligrams per kilogram per day
mg/L	Milligrams per liter
mg/m^3	Milligrams per cubic meter
RAGS	Risk Assessment Guidance for Superfund
RfD	Reference dose
RfC	Reference concentration
RME	Reasonable maximum exposure

(a) See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Ingestion	2-Methylnaphthalene	1.01E-02	mg/kg	1.38E-08	mg/kg-day	4.00E-03	mg/kg-day	3.46E-06
				4,4'-DDD	7.36E-03	mg/kg	1.01E-08	mg/kg-day	5.00E-04	mg/kg-day	2.02E-05
				4,4'-DDT	2.30E-02	mg/kg	3.15E-08	mg/kg-day	5.00E-04	mg/kg-day	6.30E-05
				4-Bromophenyl-phenylether	2.00E-02	mg/kg	2.74E-08	mg/kg-day	--	--	--
				4-Chlorophenyl-phenylether	2.90E-02	mg/kg	3.97E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.79E-02	mg/kg	3.82E-08	mg/kg-day	8.00E-02	mg/kg-day	4.77E-07
				Acenaphthene	9.12E-03	mg/kg	1.25E-08	mg/kg-day	6.00E-02	mg/kg-day	2.08E-07
				Acenaphthylene	5.80E-03	mg/kg	7.95E-09	mg/kg-day	6.00E-02	mg/kg-day	1.32E-07
				Acetone	1.20E-02	mg/kg	1.64E-08	mg/kg-day	9.00E-01	mg/kg-day	1.83E-08
				Aluminum	9.33E+03	mg/kg	1.28E-02	mg/kg-day	1.00E+00	mg/kg-day	1.28E-02
				Anthracene	9.13E-03	mg/kg	1.25E-08	mg/kg-day	3.00E-01	mg/kg-day	4.17E-08
				Antimony	5.61E+00	mg/kg	7.68E-06	mg/kg-day	4.00E-04	mg/kg-day	1.92E-02
				Aroclor-1260	6.66E-02	mg/kg	9.12E-08	mg/kg-day	2.00E-05	mg/kg-day	4.56E-03
				Arsenic	5.94E+00	mg/kg	8.14E-06	mg/kg-day	3.00E-04	mg/kg-day	2.71E-02
				Barium	1.30E+02	mg/kg	1.78E-04	mg/kg-day	7.00E-02	mg/kg-day	2.54E-03
				Benzo(a)anthracene	2.03E-02	mg/kg	2.78E-08	mg/kg-day	--	--	--
				Benzo(a)pyrene	2.89E-02	mg/kg	3.96E-08	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.81E-02	mg/kg	2.48E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.30E-02	mg/kg	3.15E-08	mg/kg-day	3.00E-02	mg/kg-day	1.05E-06
				Benzo(k)fluoranthene	1.65E-02	mg/kg	2.26E-08	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	3.42E-06	mg/kg-day	2.00E-03	mg/kg-day	1.71E-03
				bis(2-ethylhexyl)phthalate	9.60E-02	mg/kg	1.32E-07	mg/kg-day	2.00E-02	mg/kg-day	6.58E-06
				Cadmium	4.92E+00	mg/kg	6.73E-06	mg/kg-day	5.00E-04	mg/kg-day	1.35E-02
				Carbazole	4.02E+00	mg/kg	5.50E-06	mg/kg-day	--	--	--
				Carbon disulfide	2.00E-03	mg/kg	2.74E-09	mg/kg-day	1.00E-01	mg/kg-day	2.74E-08
				Chloroform	5.40E-03	mg/kg	7.40E-09	mg/kg-day	1.00E-02	mg/kg-day	7.40E-07
				Chromium	3.42E+01	mg/kg	4.68E-05	mg/kg-day	1.50E+00	mg/kg-day	3.12E-05
				Chrysene	2.23E-02	mg/kg	3.05E-08	mg/kg-day	--	--	--
				Cobalt	1.01E+01	mg/kg	1.38E-05	mg/kg-day	2.00E-02	mg/kg-day	6.90E-04
				Copper	4.21E+01	mg/kg	5.77E-05	mg/kg-day	4.00E-02	mg/kg-day	1.44E-03
				Dibenzo(a,h)anthracene	1.05E-02	mg/kg	1.43E-08	mg/kg-day	--	--	--
				Dibenzofuran	1.47E+00	mg/kg	2.02E-06	mg/kg-day	2.00E-03	mg/kg-day	1.01E-03

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Ingestion	Diethylphthalate	5.60E-02	mg/kg	7.67E-08	mg/kg-day	8.00E-01	mg/kg-day	9.59E-08
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Dimethylphthalate	7.30E-02	mg/kg	1.00E-07	mg/kg-day	1.00E+01	mg/kg-day	1.00E-08
				di-n-Butylphthalate	8.00E-02	mg/kg	1.10E-07	mg/kg-day	1.00E-01	mg/kg-day	1.10E-06
				Ethylbenzene	8.35E-03	mg/kg	1.14E-08	mg/kg-day	1.00E-01	mg/kg-day	1.14E-07
				Fluoranthene	2.05E-02	mg/kg	2.80E-08	mg/kg-day	4.00E-02	mg/kg-day	7.01E-07
				Fluorene	1.14E-02	mg/kg	1.57E-08	mg/kg-day	4.00E-02	mg/kg-day	3.92E-07
				Indeno(1,2,3-cd)pyrene	2.29E-02	mg/kg	3.14E-08	mg/kg-day	--	--	--
				Iron	1.76E+04	mg/kg	2.41E-02	mg/kg-day	3.00E-01	mg/kg-day	8.04E-02
				Lead	3.70E+01	mg/kg	5.06E-05	mg/kg-day	--	--	--
				Manganese	5.09E+02	mg/kg	6.98E-04	mg/kg-day	2.40E-02	mg/kg-day	2.91E-02
				Mercury	2.60E+00	mg/kg	3.56E-06	mg/kg-day	3.00E-04	mg/kg-day	1.19E-02
				Molybdenum	2.00E+00	mg/kg	2.74E-06	mg/kg-day	5.00E-03	mg/kg-day	5.48E-04
				Naphthalene	9.49E-03	mg/kg	1.30E-08	mg/kg-day	2.00E-02	mg/kg-day	6.50E-07
				Nickel	5.26E+01	mg/kg	7.21E-05	mg/kg-day	2.00E-02	mg/kg-day	3.60E-03
				n-Nitroso-diphenylamine	4.90E-02	mg/kg	6.71E-08	mg/kg-day	2.00E-02	mg/kg-day	3.36E-06
				o-Xylene	2.25E-02	mg/kg	3.08E-08	mg/kg-day	2.00E-01	mg/kg-day	1.54E-07
				Phenanthrene	2.11E-02	mg/kg	2.89E-08	mg/kg-day	3.00E-01	mg/kg-day	9.63E-08
				Pyrene	2.68E-02	mg/kg	3.68E-08	mg/kg-day	3.00E-02	mg/kg-day	1.23E-06
				Selenium	6.20E-01	mg/kg	8.49E-07	mg/kg-day	5.00E-03	mg/kg-day	1.70E-04
				Silver	4.71E+00	mg/kg	6.45E-06	mg/kg-day	5.00E-03	mg/kg-day	1.29E-03
				Thallium	1.29E+00	mg/kg	1.77E-06	mg/kg-day	6.60E-05	mg/kg-day	2.68E-02
				Toluene	7.59E-03	mg/kg	1.04E-08	mg/kg-day	2.00E-01	mg/kg-day	5.20E-08
				Trichloroethene	5.00E-03	mg/kg	6.85E-09	mg/kg-day	3.00E-04	mg/kg-day	2.28E-05
				Vanadium	3.74E+01	mg/kg	5.12E-05	mg/kg-day	7.00E-03	mg/kg-day	7.32E-03
				Xylene (Total)	2.16E-02	mg/kg	2.96E-08	mg/kg-day	2.00E-01	mg/kg-day	1.48E-07
				Zinc	7.54E+01	mg/kg	1.03E-04	mg/kg-day	3.00E-01	mg/kg-day	3.44E-04
			Exposure Route Total								**2.46E-01**
			Dermal	2-Methylnaphthalene	1.01E-02	mg/kg	5.5E-10	mg/kg-day	4.00E-03	mg/kg-day	1.38E-07
				4,4'-DDD	7.36E-03	mg/kg	4.0E-10	mg/kg-day	5.00E-04	mg/kg-day	8.04E-07
				4,4'-DDT	2.30E-02	mg/kg	3.8E-09	mg/kg-day	5.00E-04	mg/kg-day	7.54E-06
				4-Bromophenyl-phenylether	2.00E-02	mg/kg	1.1E-09	mg/kg-day	--	--	--
				4-Chlorophenyl-phenylether	2.90E-02	mg/kg	--	mg/kg-day	--	--	--

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Dermal	4-Methyl-2-pentanone	2.79E-02	mg/kg	1.5E-09	mg/kg-day	8.00E-02	mg/kg-day	1.90E-08
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Acenaphthene	9.12E-03	mg/kg	6.5E-09	mg/kg-day	6.00E-02	mg/kg-day	1.08E-07
				Acenaphthylene	5.80E-03	mg/kg	3.2E-10	mg/kg-day	6.00E-02	mg/kg-day	5.28E-09
				Acetone	1.20E-02	mg/kg	6.6E-10	mg/kg-day	9.00E-01	mg/kg-day	7.29E-10
				Aluminum	9.33E+03	mg/kg	5.1E-05	mg/kg-day	1.00E+00	mg/kg-day	5.10E-05
				Anthracene	9.13E-03	mg/kg	6.5E-09	mg/kg-day	3.00E-01	mg/kg-day	2.16E-08
				Antimony	5.61E+00	mg/kg	3.1E-08	mg/kg-day	4.00E-04	mg/kg-day	7.66E-05
				Aroclor-1260	6.66E-02	mg/kg	5.1E-08	mg/kg-day	2.00E-05	mg/kg-day	2.55E-03
				Arsenic	5.94E+00	mg/kg	9.7E-07	mg/kg-day	3.00E-04	mg/kg-day	3.25E-03
				Barium	1.30E+02	mg/kg	7.1E-07	mg/kg-day	4.90E-03	mg/kg-day	1.45E-04
				Benzo(a)anthracene	2.03E-02	mg/kg	1.4E-08	mg/kg-day	--	--	--
				Benzo(a)pyrene	2.89E-02	mg/kg	2.1E-08	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.81E-02	mg/kg	1.3E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.30E-02	mg/kg	1.6E-08	mg/kg-day	3.00E-02	mg/kg-day	5.45E-07
				Benzo(k)fluoranthene	1.65E-02	mg/kg	1.2E-08	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	1.4E-08	mg/kg-day	1.40E-05	mg/kg-day	9.76E-04
				bis(2-ethylhexyl)phthalate	9.60E-02	mg/kg	5.2E-09	mg/kg-day	2.00E-02	mg/kg-day	2.62E-07
				Cadmium	4.92E+00	mg/kg	2.7E-08	mg/kg-day	5.00E-04	mg/kg-day	5.37E-05
				Carbazole	4.02E+00	mg/kg	2.2E-07	mg/kg-day	--	--	--
				Carbon disulfide	2.00E-03	mg/kg	2.7E-09	mg/kg-day	1.00E-01	mg/kg-day	2.73E-08
				Chloroform	5.40E-03	mg/kg	3.0E-10	mg/kg-day	1.00E-02	mg/kg-day	2.95E-08
				Chromium	3.42E+01	mg/kg	1.9E-07	mg/kg-day	1.50E+00	mg/kg-day	1.25E-07
				Chrysene	2.23E-02	mg/kg	1.6E-08	mg/kg-day	--	--	--
				Cobalt	1.01E+01	mg/kg	5.5E-08	mg/kg-day	2.00E-02	mg/kg-day	2.75E-06
				Copper	4.21E+01	mg/kg	2.3E-07	mg/kg-day	4.00E-02	mg/kg-day	5.76E-06
				Dibenzo(a,h)anthracene	1.05E-02	mg/kg	7.4E-09	mg/kg-day	--	--	--
				Dibenzofuran	1.47E+00	mg/kg	8.0E-08	mg/kg-day	2.00E-03	mg/kg-day	4.02E-05
				Diethylphthalate	5.60E-02	mg/kg	3.1E-09	mg/kg-day	8.00E-01	mg/kg-day	3.83E-09
				Dimethylphthalate	7.30E-02	mg/kg	4.0E-09	mg/kg-day	1.00E+01	mg/kg-day	3.99E-10
				di-n-Butylphthalate	8.00E-02	mg/kg	4.4E-09	mg/kg-day	1.00E+01	mg/kg-day	4.37E-10
				Ethylbenzene	8.35E-03	mg/kg	4.6E-10	mg/kg-day	1.00E-01	mg/kg-day	4.56E-09
				Fluoranthene	2.05E-02	mg/kg	1.5E-08	mg/kg-day	4.00E-02	mg/kg-day	3.64E-07

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Dermal	Fluorene	1.14E-02	mg/kg	8.1E-09	mg/kg-day	4.00E-02	mg/kg-day	2.03E-07
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Indeno(1,2,3-cd)pyrene	2.29E-02	mg/kg	1.6E-08	mg/kg-day	--	--	--
				Iron	1.76E+04	mg/kg	9.6E-05	mg/kg-day	3.00E-01	mg/kg-day	3.21E-04
				Lead	3.70E+01	mg/kg	2.0E-07	mg/kg-day	--	--	--
				Manganese	5.09E+02	mg/kg	2.8E-06	mg/kg-day	2.40E-02	mg/kg-day	1.16E-04
				Mercury	2.60E+00	mg/kg	--	mg/kg-day	2.10E-05	mg/kg-day	--
				Molybdenum	2.00E+00	mg/kg	1.1E-08	mg/kg-day	5.00E-03	mg/kg-day	2.18E-06
				Naphthalene	9.49E-03	mg/kg	6.7E-09	mg/kg-day	2.00E-02	mg/kg-day	3.37E-07
				Nickel	5.26E+01	mg/kg	2.9E-07	mg/kg-day	8.00E-04	mg/kg-day	3.60E-04
				n-Nitroso-diphenylamine	4.90E-02	mg/kg	2.7E-09	mg/kg-day	2.00E-02	mg/kg-day	1.34E-07
				o-Xylene	2.25E-02	mg/kg	1.2E-09	mg/kg-day	2.00E-01	mg/kg-day	6.15E-09
				Phenanthrene	2.11E-02	mg/kg	1.2E-09	mg/kg-day	3.00E-01	mg/kg-day	3.84E-09
				Pyrene	2.68E-02	mg/kg	1.9E-08	mg/kg-day	3.00E-02	mg/kg-day	6.36E-07
				Selenium	6.20E-01	mg/kg	3.4E-09	mg/kg-day	1.50E-03	mg/kg-day	2.26E-06
				Silver	4.71E+00	mg/kg	2.6E-08	mg/kg-day	2.00E-04	mg/kg-day	1.29E-04
				Thallium	1.29E+00	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Toluene	7.59E-03	mg/kg	4.1E-10	mg/kg-day	2.00E-01	mg/kg-day	2.07E-09
				Trichloroethene	5.00E-03	mg/kg	2.7E-10	mg/kg-day	3.00E-04	mg/kg-day	9.11E-07
				Vanadium	3.74E+01	mg/kg	2.0E-07	mg/kg-day	1.82E-04	mg/kg-day	1.12E-03
				Xylene (Total)	2.16E-02	mg/kg	1.2E-09	mg/kg-day	2.00E-01	mg/kg-day	5.90E-09
				Zinc	7.54E+01	mg/kg	4.1E-07	mg/kg-day	3.00E-01	mg/kg-day	1.37E-06
			Exposure Route Total								**9.21E-03**
		Exposure Point Total									**2.55E-01**
		Homegrown	Ingestion	2-Methylnaphthalene	1.01E-02	mg/kg	--	mg/kg-day	4.00E-03	mg/kg-day	--
		Produce		4,4'-DDD	7.36E-03	mg/kg	4.1E-10	mg/kg-day	5.00E-04	mg/kg-day	8.19E-07
				4,4'-DDT	2.30E-02	mg/kg	9.9E-10	mg/kg-day	5.00E-04	mg/kg-day	1.98E-06
				4-Bromophenyl-phenylether	2.00E-02	mg/kg	1.7E-09	mg/kg-day	--	--	--
				4-Chlorophenyl-phenylether	2.90E-02	mg/kg	2.5E-09	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.79E-02	mg/kg	--	mg/kg-day	8.00E-02	mg/kg-day	--
				Acenaphthene	9.12E-03	mg/kg	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Acenaphthylene	5.80E-03	mg/kg	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Acetone	1.20E-02	mg/kg	--	mg/kg-day	9.00E-01	mg/kg-day	--

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Homegrown	Ingestion	Aluminum	9.33E+03	mg/kg	--	mg/kg-day	1.00E+00	mg/kg-day	--
(Cont.)	(Cont.)	Produce	(Cont.)	Anthracene	9.13E-03	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
		(Cont.)		Antimony	5.61E+00	mg/kg	--	mg/kg-day	4.00E-04	mg/kg-day	--
				Aroclor-1260	6.66E-02	mg/kg	5.4E-09	mg/kg-day	2.00E-05	mg/kg-day	2.68E-04
				Arsenic	5.94E+00	mg/kg	3.0E-05	mg/kg-day	3.00E-04	mg/kg-day	1.01E-01
				Barium	1.30E+02	mg/kg	--	mg/kg-day	7.00E-02	mg/kg-day	--
				Benzo(a)anthracene	2.03E-02	mg/kg	1.7E-09	mg/kg-day	--	--	--
				Benzo(a)pyrene	2.89E-02	mg/kg	1.6E-09	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.81E-02	mg/kg	1.2E-09	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.30E-02	mg/kg	--	mg/kg-day	3.00E-02	mg/kg-day	--
				Benzo(k)fluoranthene	1.65E-02	mg/kg	8.9E-10	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	--	mg/kg-day	2.00E-03	mg/kg-day	--
				bis(2-ethylhexyl)phthalate	9.60E-02	mg/kg	7.2E-11	mg/kg-day	2.00E-02	mg/kg-day	3.60E-09
				Cadmium	4.92E+00	mg/kg	3.1E-04	mg/kg-day	5.00E-04	mg/kg-day	6.30E-01
				Carbazole	4.02E+00	mg/kg	1.2E-04	mg/kg-day	--	--	--
				Carbon disulfide	2.00E-03	mg/kg	--	mg/kg-day	1.00E-01	mg/kg-day	--
				Chloroform	5.40E-03	mg/kg	--	mg/kg-day	1.00E-02	mg/kg-day	--
				Chromium	3.42E+01	mg/kg	--	mg/kg-day	1.50E+00	mg/kg-day	--
				Chrysene	2.23E-02	mg/kg	1.8E-09	mg/kg-day	--	--	--
				Cobalt	1.01E+01	mg/kg	--	mg/kg-day	2.00E-02	mg/kg-day	--
				Copper	4.21E+01	mg/kg	--	mg/kg-day	4.00E-02	mg/kg-day	--
				Dibenzo(a,h)anthracene	1.05E-02	mg/kg	3.7E-10	mg/kg-day	--	--	--
				Dibenzofuran	1.47E+00	mg/kg	--	mg/kg-day	2.00E-03	mg/kg-day	--
				Diethylphthalate	5.60E-02	mg/kg	2.9E-06	mg/kg-day	8.00E-01	mg/kg-day	3.62E-06
				Dimethylphthalate	7.30E-02	mg/kg	1.7E-06	mg/kg-day	1.00E+01	mg/kg-day	1.66E-07
				di-n-Butylphthalate	8.00E-02	mg/kg	1.3E-08	mg/kg-day	1.00E-01	mg/kg-day	1.32E-07
				Ethylbenzene	8.35E-03	mg/kg	--	mg/kg-day	1.00E-01	mg/kg-day	--
				Fluoranthene	2.05E-02	mg/kg	1.8E-09	mg/kg-day	4.00E-02	mg/kg-day	4.54E-08
				Fluorene	1.14E-02	mg/kg	--	mg/kg-day	4.00E-02	mg/kg-day	--
				Indeno(1,2,3-cd)pyrene	2.29E-02	mg/kg	1.1E-09	mg/kg-day	--	--	--
				Iron	1.76E+04	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Lead	3.70E+01	mg/kg	--	mg/kg-day	--	--	--

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (Cont.)	Soil (Cont.)	Homegrown Produce (Cont.)	Ingestion (Cont.)	Manganese	5.09E+02	mg/kg	--	mg/kg-day	2.40E-02	mg/kg-day	--
				Mercury	2.60E+00	mg/kg	2.0E-05	mg/kg-day	3.00E-04	mg/kg-day	6.79E-02
				Molybdenum	2.00E+00	mg/kg	--	mg/kg-day	5.00E-03	mg/kg-day	--
				Naphthalene	9.49E-03	mg/kg	--	mg/kg-day	2.00E-02	mg/kg-day	--
				Nickel	5.26E+01	mg/kg	4.4E-04	mg/kg-day	2.00E-02	mg/kg-day	2.18E-02
				n-Nitroso-diphenylamine	4.90E-02	mg/kg	1.4E-06	mg/kg-day	2.00E-02	mg/kg-day	6.87E-05
				o-Xylene	2.25E-02	mg/kg	--	mg/kg-day	2.00E-01	mg/kg-day	--
				Phenanthrene	2.11E-02	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Pyrene	2.68E-02	mg/kg	--	mg/kg-day	3.00E-02	mg/kg-day	--
				Selenium	6.20E-01	mg/kg	5.0E-06	mg/kg-day	5.00E-03	mg/kg-day	1.01E-03
				Silver	4.71E+00	mg/kg	--	mg/kg-day	5.00E-03	mg/kg-day	--
				Thallium	1.29E+00	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Toluene	7.59E-03	mg/kg	--	mg/kg-day	2.00E-01	mg/kg-day	--
				Trichloroethene	5.00E-03	mg/kg	--	mg/kg-day	3.00E-04	mg/kg-day	--
				Vanadium	3.74E+01	mg/kg	--	mg/kg-day	7.00E-03	mg/kg-day	--
				Xylene (Total)	2.16E-02	mg/kg	--	mg/kg-day	2.00E-01	mg/kg-day	--
				Zinc	7.54E+01	mg/kg	2.5E-03	mg/kg-day	3.00E-01	mg/kg-day	8.31E-03
			Exposure Route Total								**8.30E-01**
		Exposure Point Total									**8.30E-01**
	Exposure Medium Total										**1.09E+00**
	Air	Outdoor Air	Inhalation (particulates or VOCs)	2-Methylnaphthalene	7.12E-08	mg/m^3	1.9E-08	mg/kg-day	--	--	--
				4,4'-DDD	5.57E-12	mg/m^3	1.5E-12	mg/kg-day	5.00E-04	mg/kg-day	3.04E-09
				4,4'-DDT	1.74E-11	mg/m^3	4.8E-12	mg/kg-day	5.00E-04	mg/kg-day	9.51E-09
				4-Bromophenyl-phenylether	1.52E-11	mg/m^3	4.1E-12	mg/kg-day	--	--	--
				4-Chlorophenyl-phenylether	2.20E-11	mg/m^3	6.0E-12	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.12E-06	mg/m^3	3.0E-07	mg/kg-day	8.60E-01	mg/kg-day	3.54E-07
				Acenaphthene	5.07E-08	mg/m^3	1.4E-08	mg/kg-day	6.00E-02	mg/kg-day	2.30E-07
				Acenaphthylene	3.22E-08	mg/m^3	8.8E-09	mg/kg-day	6.00E-02	mg/kg-day	1.47E-07
				Acetone	9.52E-07	mg/m^3	2.6E-07	mg/kg-day	9.00E-01	mg/kg-day	2.89E-07
				Aluminum	7.07E-06	mg/m^3	1.9E-06	mg/kg-day	1.43E-03	mg/kg-day	1.35E-03
				Anthracene	1.30E-08	mg/m^3	3.6E-09	mg/kg-day	3.00E-01	mg/kg-day	1.19E-08
				Antimony	4.25E-09	mg/m^3	1.2E-09	mg/kg-day	--	--	--

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs)	Air	Outdoor Air	Inhalation	Aroclor-1260	5.04E-11	mg/m^3	1.4E-11	mg/kg-day	2.00E-05	mg/kg-day	6.88E-07
(Cont.)	(Cont.)	(Cont.)	(particulates or	Arsenic	4.50E-09	mg/m^3	1.2E-09	mg/kg-day	--	mg/kg-day	--
			VOCs)	Barium	9.84E-08	mg/m^3	2.7E-08	mg/kg-day	1.40E-04	mg/kg-day	1.92E-04
			(Cont.)	Benzo(a)anthracene	1.54E-11	mg/m^3	4.2E-12	mg/kg-day	--	--	--
				Benzo(a)pyrene	2.19E-11	mg/m^3	6.0E-12	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.37E-11	mg/m^3	3.7E-12	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	1.74E-11	mg/m^3	4.8E-12	mg/kg-day	3.00E-02	mg/kg-day	1.59E-10
				Benzo(k)fluoranthene	1.25E-11	mg/m^3	3.4E-12	mg/kg-day	--	--	--
				Beryllium	1.89E-09	mg/m^3	5.2E-10	mg/kg-day	5.71E-06	mg/kg-day	9.04E-05
				bis(2-ethylhexyl)phthalate	7.27E-11	mg/m^3	2.0E-11	mg/kg-day	2.20E-02	mg/kg-day	9.02E-10
				Cadmium	3.72E-09	mg/m^3	1.0E-09	mg/kg-day	--	mg/kg-day	--
				Carbazole	3.04E-09	mg/m^3	8.3E-10	mg/kg-day	--	--	--
				Carbon disulfide	1.67E-06	mg/m^3	4.5E-07	mg/kg-day	2.00E-01	mg/kg-day	2.27E-06
				Chloroform	2.00E-06	mg/m^3	5.5E-07	mg/kg-day	1.40E-04	mg/kg-day	3.90E-03
				Chromium	2.59E-08	mg/m^3	7.1E-09	mg/kg-day	--	--	--
				Chrysene	1.69E-11	mg/m^3	4.6E-12	mg/kg-day	--	--	--
				Cobalt	7.63E-09	mg/m^3	2.1E-09	mg/kg-day	5.71E-06	mg/kg-day	3.65E-04
				Copper	3.19E-08	mg/m^3	8.7E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	7.93E-12	mg/m^3	2.2E-12	mg/kg-day	--	--	--
				Dibenzofuran	2.26E-06	mg/m^3	6.2E-07	mg/kg-day	2.00E-03	mg/kg-day	3.09E-04
				Diethylphthalate	4.24E-11	mg/m^3	1.2E-11	mg/kg-day	8.00E-01	mg/kg-day	1.45E-11
				Dimethylphthalate	5.53E-11	mg/m^3	1.5E-11	mg/kg-day	1.00E+01	mg/kg-day	1.51E-12
				di-n-Butylphthalate	6.06E-11	mg/m^3	1.7E-11	mg/kg-day	--	--	--
				Ethylbenzene	1.55E-06	mg/m^3	4.2E-07	mg/kg-day	2.86E-01	mg/kg-day	1.48E-06
				Fluoranthene	1.55E-11	mg/m^3	4.2E-12	mg/kg-day	4.00E-02	mg/kg-day	1.06E-10
				Fluorene	3.18E-08	mg/m^3	8.7E-09	mg/kg-day	4.00E-02	mg/kg-day	2.17E-07
				Indeno(1,2,3-cd)pyrene	1.73E-11	mg/m^3	4.7E-12	mg/kg-day	--	--	--
				Iron	1.33E-05	mg/m^3	3.6E-06	mg/kg-day	--	--	--
				Lead	2.80E-08	mg/m^3	7.6E-09	mg/kg-day	--	--	--
				Manganese	3.86E-07	mg/m^3	1.1E-07	mg/kg-day	1.43E-05	mg/kg-day	7.37E-03
				Mercury	1.97E-09	mg/m^3	5.4E-10	mg/kg-day	--	mg/kg-day	--
				Molybdenum	1.51E-09	mg/m^3	4.1E-10	mg/kg-day	--	--	--

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (Cont.)	Air (Cont.)	Outdoor Air (Cont.)	Inhalation (particulates or VOCs) (Cont.)	Naphthalene	2.21E-07	mg/m^3	6.0E-08	mg/kg-day	8.57E-04	mg/kg-day	7.03E-05
				Nickel	3.99E-08	mg/m^3	1.1E-08	mg/kg-day	5.71E-05	mg/kg-day	1.90E-04
				n-Nitroso-diphenylamine	3.71E-11	mg/m^3	1.0E-11	mg/kg-day	2.00E-02	mg/kg-day	5.06E-10
				o-Xylene	3.69E-06	mg/m^3	1.0E-06	mg/kg-day	2.86E-02	mg/kg-day	3.52E-05
				Phenanthrene	1.41E-08	mg/m^3	3.8E-09	mg/kg-day	3.00E-01	mg/kg-day	1.28E-08
				Pyrene	7.06E-09	mg/m^3	1.9E-09	mg/kg-day	3.00E-02	mg/kg-day	6.43E-08
				Selenium	4.70E-10	mg/m^3	1.3E-10	mg/kg-day	--	mg/kg-day	--
				Silver	3.57E-09	mg/m^3	9.7E-10	mg/kg-day	--	--	--
				Thallium	9.79E-10	mg/m^3	2.7E-10	mg/kg-day	--	--	--
				Toluene	1.90E-06	mg/m^3	5.2E-07	mg/kg-day	1.14E-01	mg/kg-day	4.53E-06
				Trichloroethene	1.52E-06	mg/m^3	4.1E-07	mg/kg-day	1.00E-02	mg/kg-day	4.13E-05
				Vanadium	2.83E-08	mg/m^3	7.7E-09	mg/kg-day	--	--	--
				Xylene (Total)	3.54E-06	mg/m^3	9.7E-07	mg/kg-day	2.86E-02	mg/kg-day	3.38E-05
				Zinc	5.71E-08	mg/m^3	1.6E-08	mg/kg-day	--	mg/kg-day	--
			Exposure Route Total								**1.40E-02**
		Exposure Point Total									**1.40E-02**
	Exposure Medium Total										**1.40E-02**
Medium Total											**1.10E+00**
Groundwater	Groundwater	Domestic Use of Groundwater	Ingestion	1,1,1-Trichloroethane	2.23E-02	mg/L	6.11E-04	mg/kg-day	2.80E-01	mg/kg-day	2.18E-03
				1,1,2-Trichloroethane	1.06E-02	mg/L	2.90E-04	mg/kg-day	4.00E-03	mg/kg-day	7.24E-02
				1,1-Dichlorethane	1.08E-01	mg/L	2.96E-03	mg/kg-day	1.00E-01	mg/kg-day	2.96E-02
				1,1-Dichlorethene	5.89E-01	mg/L	1.61E-02	mg/kg-day	5.00E-02	mg/kg-day	3.23E-01
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	3.10E-04	mg/kg-day	5.00E-02	mg/kg-day	6.20E-03
				1,2-Dichlorobenzene	1.34E-02	mg/L	3.66E-04	mg/kg-day	9.00E-02	mg/kg-day	4.07E-03
				1,2-Dichlorethane	1.25E-02	mg/L	3.42E-04	mg/kg-day	2.00E-02	mg/kg-day	1.71E-02
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	8.04E-03	mg/kg-day	1.00E-02	mg/kg-day	8.04E-01
				1,2-Dichloropropane	1.00E-04	mg/L	2.74E-06	mg/kg-day	1.10E-03	mg/kg-day	2.49E-03
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	2.91E-04	mg/kg-day	5.00E-02	mg/kg-day	5.82E-03
				1,3-Dichlorobenzene	4.50E-03	mg/L	1.23E-04	mg/kg-day	9.00E-04	mg/kg-day	1.37E-01
				1,4-Dichlorobenzene	6.42E-03	mg/L	1.76E-04	mg/kg-day	3.00E-02	mg/kg-day	5.86E-03
				2-Butanone	7.10E-02	mg/L	1.95E-03	mg/kg-day	6.00E-01	mg/kg-day	3.24E-03
				2-Hexanone	2.00E-03	mg/L	5.48E-05	mg/kg-day	8.00E-02	mg/kg-day	6.85E-04
				2-Methylnaphthalene	7.00E-04	mg/L	1.92E-05	mg/kg-day	4.00E-03	mg/kg-day	4.79E-03
				4-Methyl-2-pentanone	2.90E-02	mg/L	7.95E-04	mg/kg-day	8.00E-02	mg/kg-day	9.93E-03

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Ingestion (Cont.)	Acenaphthene	2.00E-03	mg/L	5.48E-05	mg/kg-day	6.00E-02	mg/kg-day	9.13E-04
				Acenaphthylene	2.00E-03	mg/L	5.48E-05	mg/kg-day	6.00E-02	mg/kg-day	9.13E-04
				Acetone	1.65E+00	mg/L	4.53E-02	mg/kg-day	9.00E-01	mg/kg-day	5.03E-02
				Aluminum	9.88E-01	mg/L	2.71E-02	mg/kg-day	1.00E+00	mg/kg-day	2.71E-02
				Antimony	1.43E-02	mg/L	3.91E-04	mg/kg-day	4.00E-04	mg/kg-day	9.79E-01
				Arsenic	1.98E-02	mg/L	5.43E-04	mg/kg-day	3.00E-04	mg/kg-day	1.81E+00
				Barium	2.70E-01	mg/L	7.39E-03	mg/kg-day	7.00E-02	mg/kg-day	1.06E-01
				Benzene	1.59E-02	mg/L	4.35E-04	mg/kg-day	4.00E-03	mg/kg-day	1.09E-01
				Benzo(a)anthracene	1.00E-04	mg/L	2.74E-06	mg/kg-day	--	--	--
				Benzo(a)pyrene	1.00E-04	mg/L	2.74E-06	mg/kg-day	--	--	--
				Beryllium	1.41E-03	mg/L	3.87E-05	mg/kg-day	2.00E-03	mg/kg-day	1.94E-02
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	1.94E-04	mg/kg-day	2.00E-02	mg/kg-day	9.72E-03
				Bromodichloromethane	7.10E-03	mg/L	1.95E-04	mg/kg-day	2.00E-02	mg/kg-day	9.73E-03
				Cadmium	1.60E-02	mg/L	4.39E-04	mg/kg-day	5.00E-04	mg/kg-day	8.78E-01
				Carbon disulfide	7.53E-03	mg/L	2.06E-04	mg/kg-day	1.00E-01	mg/kg-day	2.06E-03
				Chlorobenzene	6.07E-03	mg/L	1.66E-04	mg/kg-day	2.00E-02	mg/kg-day	8.32E-03
				Chloroethane	1.23E-02	mg/L	3.38E-04	mg/kg-day	4.00E-01	mg/kg-day	8.46E-04
				Chloroform	7.44E-03	mg/L	2.04E-04	mg/kg-day	1.00E-02	mg/kg-day	2.04E-02
				Chloromethane	7.26E-03	mg/L	1.99E-04	mg/kg-day	2.60E-02	mg/kg-day	7.65E-03
				Chromium	1.52E-01	mg/L	4.16E-03	mg/kg-day	1.50E+00	mg/kg-day	2.78E-03
				Chromium (VI)	4.72E-01	mg/L	1.29E-02	mg/kg-day	3.00E-03	mg/kg-day	4.31E+00
				cis-1,2-Dichloroethene	5.55E-02	mg/L	1.52E-03	mg/kg-day	1.00E-02	mg/kg-day	1.52E-01
				Cobalt	1.51E-02	mg/L	4.14E-04	mg/kg-day	2.00E-02	mg/kg-day	2.07E-02
				Copper	1.24E-02	mg/L	3.39E-04	mg/kg-day	4.00E-02	mg/kg-day	8.48E-03
				Cyanide	6.60E-02	mg/L	1.81E-03	mg/kg-day	2.00E-02	mg/kg-day	9.04E-02
				Ethylbenzene	7.18E-03	mg/L	1.97E-04	mg/kg-day	1.00E-01	mg/kg-day	1.97E-03
				Fluoranthene	1.80E-03	mg/L	4.93E-05	mg/kg-day	4.00E-02	mg/kg-day	1.23E-03
				Fluorene	1.00E-03	mg/L	2.74E-05	mg/kg-day	4.00E-02	mg/kg-day	6.85E-04
				Hexachlorobutadiene	4.00E-04	mg/L	1.10E-05	mg/kg-day	3.00E-04	mg/kg-day	3.65E-02
				Iron	1.70E+01	mg/L	4.65E-01	mg/kg-day	3.00E-01	mg/kg-day	1.55E+00
				Isopropylbenzene	5.50E-03	mg/L	1.51E-04	mg/kg-day	1.00E-01	mg/kg-day	1.51E-03
				Lead	7.38E-03	mg/L	2.02E-04	mg/kg-day	--	--	--

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Ingestion (Cont.)	m,p-Xylene	1.32E-02	mg/L	3.63E-04	mg/kg-day	2.00E-01	mg/kg-day	1.81E-03
				Manganese	9.91E+00	mg/L	2.71E-01	mg/kg-day	2.40E-02	mg/kg-day	1.13E+01
				Mercury	4.40E-05	mg/L	1.21E-06	mg/kg-day	3.00E-04	mg/kg-day	4.02E-03
				Methylene chloride	9.90E-03	mg/L	2.71E-04	mg/kg-day	6.00E-02	mg/kg-day	4.52E-03
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	1.91E-04	mg/kg-day	8.60E-01	mg/kg-day	2.22E-04
				Molybdenum	7.50E-02	mg/L	2.05E-03	mg/kg-day	5.00E-03	mg/kg-day	4.11E-01
				Naphthalene	3.35E-02	mg/L	9.17E-04	mg/kg-day	2.00E-02	mg/kg-day	4.59E-02
				n-Butylbenzene	2.40E-03	mg/L	6.58E-05	mg/kg-day	4.00E-02	mg/kg-day	1.64E-03
				Nickel	1.83E-01	mg/L	5.01E-03	mg/kg-day	2.00E-02	mg/kg-day	2.50E-01
				n-Propylbenzene	1.22E-02	mg/L	3.35E-04	mg/kg-day	--	mg/kg-day	--
				o-Xylene	6.86E-03	mg/L	1.88E-04	mg/kg-day	2.00E-01	mg/kg-day	9.40E-04
				Phenanthrene	2.00E-03	mg/L	5.48E-05	mg/kg-day	3.00E-01	mg/kg-day	1.83E-04
				Phenol	6.60E-03	mg/L	1.81E-04	mg/kg-day	3.00E-01	mg/kg-day	6.02E-04
				p-Isopropyltoluene	8.00E-04	mg/L	2.19E-05	mg/kg-day	--	mg/kg-day	--
				Pyrene	3.00E-03	mg/L	8.22E-05	mg/kg-day	3.00E-02	mg/kg-day	2.74E-03
				sec-Butylbenzene	5.00E-04	mg/L	1.37E-05	mg/kg-day	4.00E-02	mg/kg-day	3.42E-04
				Selenium	1.08E-02	mg/L	2.96E-04	mg/kg-day	5.00E-03	mg/kg-day	5.92E-02
				Silver	5.48E-03	mg/L	1.50E-04	mg/kg-day	5.00E-03	mg/kg-day	3.00E-02
				Tert-Butanol	4.21E-01	mg/L	1.15E-02	mg/kg-day	--	mg/kg-day	--
				tert-Butylbenzene	3.00E-04	mg/L	8.22E-06	mg/kg-day	4.00E-02	mg/kg-day	2.05E-04
				Tetrachloroethene	5.84E-03	mg/L	1.60E-04	mg/kg-day	1.00E-02	mg/kg-day	1.60E-02
				Thallium	8.12E-03	mg/L	2.22E-04	mg/kg-day	6.60E-05	mg/kg-day	3.37E+00
				Toluene	6.35E-03	mg/L	1.74E-04	mg/kg-day	2.00E-01	mg/kg-day	8.70E-04
				trans-1,2-Dichloroethene	1.16E-02	mg/L	3.18E-04	mg/kg-day	2.00E-02	mg/kg-day	1.59E-02
				Trichloroethene	1.00E+00	mg/L	2.74E-02	mg/kg-day	3.00E-04	mg/kg-day	9.14E+01
				Vanadium	2.85E-02	mg/L	7.82E-04	mg/kg-day	7.00E-03	mg/kg-day	1.12E-01
				Vinyl chloride	2.54E-02	mg/L	6.95E-04	mg/kg-day	3.00E-03	mg/kg-day	2.32E-01
				Xylene (Total)	1.75E-02	mg/L	4.79E-04	mg/kg-day	2.00E-01	mg/kg-day	2.40E-03
				Zinc	1.50E-01	mg/L	4.10E-03	mg/kg-day	3.00E-01	mg/kg-day	1.37E-02
			Exposure Route Total								**1.19E+02**

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Dermal (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/L	5.46E-05	mg/kg-day	2.80E-01	mg/kg-day	1.95E-04
				1,1,2-Trichloroethane	1.06E-02	mg/L	9.72E-06	mg/kg-day	4.00E-03	mg/kg-day	2.43E-03
				1,1-Dichlorethane	1.08E-01	mg/L	1.37E-04	mg/kg-day	1.00E-01	mg/kg-day	1.37E-03
				1,1-Dichlorethene	5.89E-01	mg/L	1.34E-03	mg/kg-day	5.00E-02	mg/kg-day	2.68E-02
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	1.53E-04	mg/kg-day	5.00E-02	mg/kg-day	3.05E-03
				1,2-Dichlorobenzene	1.34E-02	mg/L	1.26E-04	mg/kg-day	9.00E-02	mg/kg-day	1.40E-03
				1,2-Dichlorethane	1.25E-02	mg/L	9.53E-06	mg/kg-day	2.00E-02	mg/kg-day	4.77E-04
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	6.26E-04	mg/kg-day	1.00E-02	mg/kg-day	6.26E-02
				1,2-Dichloropropane	1.00E-04	mg/L	1.42E-07	mg/kg-day	1.10E-03	mg/kg-day	1.29E-04
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	1.43E-04	mg/kg-day	5.00E-02	mg/kg-day	2.87E-03
				1,3-Dichlorobenzene	4.50E-03	mg/L	4.99E-05	mg/kg-day	9.00E-04	mg/kg-day	5.54E-02
				1,4-Dichlorobenzene	6.42E-03	mg/L	5.69E-05	mg/kg-day	3.00E-02	mg/kg-day	1.90E-03
				2-Butanone	7.10E-02	mg/L	1.13E-05	mg/kg-day	6.00E-01	mg/kg-day	1.88E-05
				2-Hexanone	2.00E-03	mg/L	1.27E-06	mg/kg-day	8.00E-02	mg/kg-day	1.59E-05
				2-Methylnaphthalene	7.00E-04	mg/L	1.42E-05	mg/kg-day	4.00E-03	mg/kg-day	3.55E-03
				4-Methyl-2-pentanone	2.90E-02	mg/L	1.65E-05	mg/kg-day	8.00E-02	mg/kg-day	2.06E-04
				Acenaphthene	2.00E-03	mg/L	3.80E-05	mg/kg-day	6.00E-02	mg/kg-day	6.34E-04
				Acenaphthylene	2.00E-03	mg/L	4.03E-05	mg/kg-day	6.00E-02	mg/kg-day	6.72E-04
				Acetone	1.65E+00	mg/L	1.35E-04	mg/kg-day	9.00E-01	mg/kg-day	1.50E-04
				Aluminum	9.88E-01	mg/L	3.02E-04	mg/kg-day	1.00E+00	mg/kg-day	3.02E-04
				Antimony	1.43E-02	mg/L	2.23E-06	mg/kg-day	4.00E-04	mg/kg-day	5.57E-03
				Arsenic	1.98E-02	mg/L	5.47E-06	mg/kg-day	3.00E-04	mg/kg-day	1.82E-02
				Barium	2.70E-01	mg/L	1.55E-05	mg/kg-day	4.90E-03	mg/kg-day	3.17E-03
				Benzene	1.59E-02	mg/L	4.71E-05	mg/kg-day	4.00E-03	mg/kg-day	1.18E-02
				Benzo(a)anthracene	1.00E-04	mg/L	1.36E-05	mg/kg-day	--	--	--
				Benzo(a)pyrene	1.00E-04	mg/L	1.77E-05	mg/kg-day	--	--	--
				Beryllium	1.41E-03	mg/L	1.33E-07	mg/kg-day	1.40E-05	mg/kg-day	9.53E-03
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	2.00E-03	mg/kg-day	2.00E-02	mg/kg-day	9.99E-02
				Bromodichloromethane	7.10E-03	mg/L	5.10E-06	mg/kg-day	2.00E-02	mg/kg-day	2.55E-04
				Cadmium	1.60E-02	mg/L	8.02E-07	mg/kg-day	5.00E-04	mg/kg-day	1.60E-03
				Carbon disulfide	7.53E-03	mg/L	1.68E-05	mg/kg-day	1.00E-01	mg/kg-day	1.68E-04
				Chlorobenzene	6.07E-03	mg/L	3.54E-05	mg/kg-day	2.00E-02	mg/kg-day	1.77E-03

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Dermal (bathing/ showering) (Cont.)	Chloroethane	1.23E-02	mg/L	1.41E-05	mg/kg-day	4.00E-01	mg/kg-day	3.52E-05
				Chloroform	7.44E-03	mg/L	9.49E-06	mg/kg-day	1.00E-02	mg/kg-day	9.49E-04
				Chloromethane	7.26E-03	mg/L	4.31E-06	mg/kg-day	2.60E-02	mg/kg-day	1.66E-04
				Chromium	1.52E-01	mg/L	2.17E-05	mg/kg-day	1.50E+00	mg/kg-day	1.45E-05
				Chromium (VI)	4.72E-01	mg/L	6.75E-05	mg/kg-day	3.00E-03	mg/kg-day	2.25E-02
				cis-1,2-Dichloroethene	5.55E-02	mg/L	1.18E-04	mg/kg-day	1.00E-02	mg/kg-day	1.18E-02
				Cobalt	1.51E-02	mg/L	2.62E-06	mg/kg-day	2.00E-02	mg/kg-day	1.31E-04
				Copper	1.24E-02	mg/L	5.44E-07	mg/kg-day	4.00E-02	mg/kg-day	1.36E-05
				Cyanide	6.60E-02	mg/L	8.17E-06	mg/kg-day	2.00E-02	mg/kg-day	4.09E-04
				Ethylbenzene	7.18E-03	mg/L	7.59E-05	mg/kg-day	1.00E-01	mg/kg-day	7.59E-04
				Fluoranthene	1.80E-03	mg/L	1.32E-04	mg/kg-day	4.00E-02	mg/kg-day	3.30E-03
				Fluorene	1.00E-03	mg/L	2.45E-05	mg/kg-day	4.00E-02	mg/kg-day	6.11E-04
				Hexachlorobutadiene	4.00E-04	mg/L	6.92E-06	mg/kg-day	3.00E-04	mg/kg-day	2.31E-02
				Iron	1.70E+01	mg/L	6.00E-04	mg/kg-day	3.00E-01	mg/kg-day	2.00E-03
				Isopropylbenzene	5.50E-03	mg/L	1.10E-04	mg/kg-day	1.00E-01	mg/kg-day	1.10E-03
				Lead	7.38E-03	mg/L	3.61E-07	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	1.52E-04	mg/kg-day	2.00E-01	mg/kg-day	7.59E-04
				Manganese	9.91E+00	mg/L	1.81E-03	mg/kg-day	2.40E-02	mg/kg-day	7.56E-02
				Mercury	4.40E-05	mg/L	6.29E-09	mg/kg-day	2.10E-05	mg/kg-day	3.00E-04
				Methylene chloride	9.90E-03	mg/L	6.32E-06	mg/kg-day	6.00E-02	mg/kg-day	1.05E-04
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	2.56E-06	mg/kg-day	8.60E-01	mg/kg-day	2.98E-06
				Molybdenum	7.50E-02	mg/L	7.72E-06	mg/kg-day	5.00E-03	mg/kg-day	1.54E-03
				Naphthalene	3.35E-02	mg/L	3.32E-04	mg/kg-day	2.00E-02	mg/kg-day	1.66E-02
				n-Butylbenzene	2.40E-03	mg/L	4.81E-05	mg/kg-day	4.00E-02	mg/kg-day	1.20E-03
				Nickel	1.83E-01	mg/L	8.60E-06	mg/kg-day	8.00E-04	mg/kg-day	1.08E-02
				n-Propylbenzene	1.22E-02	mg/L	2.45E-04	mg/kg-day	--	mg/kg-day	--
				o-Xylene	6.86E-03	mg/L	6.91E-05	mg/kg-day	2.00E-01	mg/kg-day	3.45E-04
				Phenanthrene	2.00E-03	mg/L	6.55E-05	mg/kg-day	3.00E-01	mg/kg-day	2.18E-04
				Phenol	6.60E-03	mg/L	5.22E-06	mg/kg-day	3.00E-01	mg/kg-day	1.74E-05
				p-Isopropyltoluene	8.00E-04	mg/L	1.60E-05	mg/kg-day	--	mg/kg-day	--
				Pyrene	3.00E-03	mg/L	1.39E-04	mg/kg-day	3.00E-02	mg/kg-day	4.63E-03
				sec-Butylbenzene	5.00E-04	mg/L	1.00E-05	mg/kg-day	--	mg/kg-day	--

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Dermal (bathing/ showering) (Cont.)	Selenium	1.08E-02	mg/L	1.40E-06	mg/kg-day	1.50E-03	mg/kg-day	9.30E-04
				Silver	5.48E-03	mg/L	4.77E-07	mg/kg-day	2.00E-04	mg/kg-day	2.39E-03
				Tert-Butanol	4.21E-01	mg/L	1.14E-04	mg/kg-day	--	mg/kg-day	--
				tert-Butylbenzene	3.00E-04	mg/L	6.01E-06	mg/kg-day	4.00E-02	mg/kg-day	1.50E-04
				Tetrachloroethene	5.84E-03	mg/L	4.02E-05	mg/kg-day	1.00E-02	mg/kg-day	4.02E-03
				Thallium	8.12E-03	mg/L	1.16E-06	mg/kg-day	6.60E-05	mg/kg-day	1.76E-02
				Toluene	6.35E-03	mg/L	4.11E-05	mg/kg-day	2.00E-01	mg/kg-day	2.06E-04
				trans-1,2-Dichloroethene	1.16E-02	mg/L	7.98E-05	mg/kg-day	2.00E-02	mg/kg-day	3.99E-03
				Trichloroethene	1.00E+00	mg/L	2.25E-03	mg/kg-day	3.00E-04	mg/kg-day	7.49E+00
				Vanadium	2.85E-02	mg/L	5.51E-06	mg/kg-day	1.82E-04	mg/kg-day	3.03E-02
				Vinyl chloride	2.54E-02	mg/L	4.10E-05	mg/kg-day	3.00E-03	mg/kg-day	1.37E-02
				Xylene (Total)	1.75E-02	mg/L	2.01E-04	mg/kg-day	2.00E-01	mg/kg-day	1.00E-03
				Zinc	1.50E-01	mg/L	7.32E-06	mg/kg-day	3.00E-01	mg/kg-day	2.44E-05
			Exposure Route Total								**8.06E+00**
		Exposure Point Total									**1.27E+02**
	Exposure Medium Total										**1.27E+02**
	Air	Domestic Use of Groundwater Indoors	Inhalation (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/l	7.36E-05	mg/kg-day	6.30E-01	mg/kg-day	1.17E-04
				1,1,2-Trichloroethane	1.06E-02	mg/l	3.49E-05	mg/kg-day	4.00E-03	mg/kg-day	8.72E-03
				1,1-Dichlorethane	1.08E-01	mg/l	3.57E-04	mg/kg-day	1.40E-01	mg/kg-day	2.55E-03
				1,1-Dichlorethene	5.89E-01	mg/l	1.94E-03	mg/kg-day	5.71E-02	mg/kg-day	3.40E-02
				1,2,4-Trimethylbenzene	1.13E-02	mg/l	3.73E-05	mg/kg-day	1.70E-03	mg/kg-day	2.19E-02
				1,2-Dichlorobenzene	1.34E-02	mg/l	4.41E-05	mg/kg-day	5.70E-02	mg/kg-day	7.73E-04
				1,2-Dichlorethane	1.25E-02	mg/l	4.11E-05	mg/kg-day	6.86E-01	mg/kg-day	6.00E-05
				1,2-Dichlorethene (Total)	2.94E-01	mg/l	9.68E-04	mg/kg-day	1.00E-02	mg/kg-day	9.68E-02
				1,2-Dichloropropane	1.00E-04	mg/l	3.30E-07	mg/kg-day	1.10E-03	mg/kg-day	3.00E-04
				1,3,5-Trimethylbenzene	1.06E-02	mg/l	3.50E-05	mg/kg-day	1.70E-03	mg/kg-day	2.06E-02
				1,3-Dichlorobenzene	4.50E-03	mg/l	1.48E-05	mg/kg-day	3.00E-02	mg/kg-day	4.95E-04
				1,4-Dichlorobenzene	6.42E-03	mg/l	2.12E-05	mg/kg-day	2.29E-01	mg/kg-day	9.26E-05
				2-Butanone	7.10E-02	mg/l	2.34E-04	mg/kg-day	1.43E+00	mg/kg-day	1.64E-04
				2-Hexanone	2.00E-03	mg/l	6.59E-06	mg/kg-day	8.60E-01	mg/kg-day	7.67E-06
				2-MethylNaphthalene	7.00E-04	mg/l	2.31E-06	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/l	9.56E-05	mg/kg-day	8.60E-01	mg/kg-day	1.11E-04

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Groundwater (Cont.)	Air (Cont.)	Domestic Use of Groundwater Indoors (Cont.)	Inhalation (bathing/ showering) (Cont.)	Acenaphthene	2.00E-03	mg/l	6.59E-06	mg/kg-day	6.00E-02	mg/kg-day	1.10E-04
				Acenaphthylene	2.00E-03	mg/l	6.59E-06	mg/kg-day	6.00E-02	mg/kg-day	1.10E-04
				Acetone	1.65E+00	mg/l	5.45E-03	mg/kg-day	9.00E-01	mg/kg-day	6.06E-03
				Benzene	1.59E-02	mg/l	5.24E-05	mg/kg-day	8.57E-03	mg/kg-day	6.11E-03
				Bromodichloromethane	7.10E-03	mg/l	2.34E-05	mg/kg-day	2.00E-02	mg/kg-day	1.17E-03
				Carbon disulfide	7.53E-03	mg/l	2.48E-05	mg/kg-day	2.00E-01	mg/kg-day	1.24E-04
				Chlorobenzene	6.07E-03	mg/l	2.00E-05	mg/kg-day	1.71E-02	mg/kg-day	1.17E-03
				Chloroethane	1.23E-02	mg/l	4.07E-05	mg/kg-day	2.90E+00	mg/kg-day	1.40E-05
				Chloroform	7.44E-03	mg/l	2.45E-05	mg/kg-day	1.40E-04	mg/kg-day	1.75E-01
				Chloromethane	7.26E-03	mg/l	2.39E-05	mg/kg-day	2.57E-02	mg/kg-day	9.31E-04
				cis-1,2-Dichloroethene	5.55E-02	mg/l	1.83E-04	mg/kg-day	1.00E-02	mg/kg-day	1.83E-02
				Cyanide	6.60E-02	mg/l	2.18E-04	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	7.18E-03	mg/l	2.37E-05	mg/kg-day	2.86E-01	mg/kg-day	8.29E-05
				Fluorene	1.00E-03	mg/l	3.30E-06	mg/kg-day	4.00E-02	mg/kg-day	8.24E-05
				Hexachlorobutadiene	4.00E-04	mg/l	1.32E-06	mg/kg-day	3.00E-04	mg/kg-day	4.40E-03
				Isopropylbenzene	5.50E-03	mg/l	1.81E-05	mg/kg-day	1.10E-01	mg/kg-day	1.65E-04
				m,p-Xylene	1.32E-02	mg/l	4.37E-05	mg/kg-day	2.86E-02	mg/kg-day	1.53E-03
				Methylene Chloride	9.90E-03	mg/l	3.27E-05	mg/kg-day	8.57E-01	mg/kg-day	3.81E-05
				Methyl-T-Butyl-ether	6.97E-03	mg/l	2.30E-05	mg/kg-day	8.57E-01	mg/kg-day	2.68E-05
				Naphthalene	3.35E-02	mg/l	1.10E-04	mg/kg-day	8.57E-04	mg/kg-day	1.29E-01
				n-Butylbenzene	2.40E-03	mg/l	7.91E-06	mg/kg-day	1.14E-02	mg/kg-day	6.92E-04
				n-propylbenzene	1.22E-02	mg/l	4.03E-05	mg/kg-day	4.00E-02	mg/kg-day	1.01E-03
				o-Xylene	6.86E-03	mg/l	2.26E-05	mg/kg-day	2.86E-02	mg/kg-day	7.92E-04
				Phenanthrene	2.00E-03	mg/l	6.59E-06	mg/kg-day	3.00E-01	mg/kg-day	2.20E-05
				Pyrene	3.00E-03	mg/l	9.89E-06	mg/kg-day	3.00E-02	mg/kg-day	3.30E-04
				sec-Butylbenzene	5.00E-04	mg/l	1.65E-06	mg/kg-day	1.14E-02	mg/kg-day	1.44E-04
				tert-Butylbenzene	3.00E-04	mg/l	9.89E-07	mg/kg-day	1.14E-02	mg/kg-day	8.66E-05
				trans-1,2-Dichloroethene	1.16E-02	mg/l	3.83E-05	mg/kg-day	2.00E-02	mg/kg-day	1.91E-03
				Tetrachloroethene	5.84E-03	mg/l	1.93E-05	mg/kg-day	1.71E-01	mg/kg-day	1.12E-04
				Toluene	6.35E-03	mg/l	2.09E-05	mg/kg-day	1.14E-01	mg/kg-day	1.83E-04
				Trichloroethene	1.00E+00	mg/l	3.30E-03	mg/kg-day	1.00E-02	mg/kg-day	3.30E-01
				Vinyl chloride	2.54E-02	mg/l	8.37E-05	mg/kg-day	2.86E-02	mg/kg-day	2.93E-03

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Air (Cont.)	Domestic Use GW Indoors	Inhal. (b & S)	Xylene (Total)	1.75E-02	mg/l	5.77E-05	mg/kg-day	2.86E-02	mg/kg-day	2.02E-03
			Exposure Route Total								**8.71E-01**
		Exposure Point Total									**8.71E-01**
		Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-03	mg/m3	5.50E-04	mg/kg-day	6.30E-01	mg/kg-day	8.72E-04
				1,1,2-Trichloroethane	4.59E-05	mg/m3	1.25E-05	mg/kg-day	4.00E-03	mg/kg-day	3.13E-03
				1,1-Dichlorethane	3.16E-03	mg/m3	8.63E-04	mg/kg-day	1.40E-01	mg/kg-day	6.16E-03
				1,1-Dichlorethene	9.92E-02	mg/m3	2.71E-02	mg/kg-day	5.71E-02	mg/kg-day	4.73E-01
				1,2,4-Trimethylbenzene	2.33E-04	mg/m3	6.37E-05	mg/kg-day	1.70E-03	mg/kg-day	3.75E-02
				1,2-Dichlorobenzene	9.49E-05	mg/m3	2.59E-05	mg/kg-day	5.70E-02	mg/kg-day	4.54E-04
				1,2-Dichlorethane	7.70E-05	mg/m3	2.10E-05	mg/kg-day	6.86E-01	mg/kg-day	3.06E-05
				1,2-Dichlorethene (Total)	6.08E-03	mg/m3	1.66E-03	mg/kg-day	1.00E-02	mg/kg-day	1.66E-01
				1,2-Dichloropropane	1.41E-06	mg/m3	3.84E-07	mg/kg-day	1.10E-03	mg/kg-day	3.49E-04
				1,3,5-Trimethylbenzene	2.08E-04	mg/m3	5.69E-05	mg/kg-day	1.70E-03	mg/kg-day	3.35E-02
				1,3-Dichlorobenzene	5.39E-05	mg/m3	1.47E-05	mg/kg-day	3.00E-02	mg/kg-day	4.90E-04
				1,4-Dichlorobenzene	5.92E-05	mg/m3	1.61E-05	mg/kg-day	2.29E-01	mg/kg-day	7.06E-05
				2-Butanone	2.35E-05	mg/m3	6.42E-06	mg/kg-day	1.43E+00	mg/kg-day	4.49E-06
				2-Hexanone	1.31E-06	mg/m3	3.58E-07	mg/kg-day	8.60E-01	mg/kg-day	4.16E-07
				2-MethylNaphthalene	8.28E-07	mg/m3	2.26E-07	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-05	mg/m3	5.19E-06	mg/kg-day	8.60E-01	mg/kg-day	6.04E-06
				Acenaphthene	6.52E-07	mg/m3	1.78E-07	mg/kg-day	6.00E-02	mg/kg-day	2.97E-06
				Acenaphthylene	6.52E-07	mg/m3	1.78E-07	mg/kg-day	6.00E-02	mg/kg-day	2.97E-06
				Acetone	5.45E-04	mg/m3	1.49E-04	mg/kg-day	9.00E-01	mg/kg-day	1.65E-04
				Benzene	5.01E-04	mg/m3	1.37E-04	mg/kg-day	8.57E-03	mg/kg-day	1.59E-02
				Bromodichloromethane	2.55E-05	mg/m3	6.97E-06	mg/kg-day	2.00E-02	mg/kg-day	3.48E-04
				Carbon disulfide	1.61E-03	mg/m3	4.39E-04	mg/kg-day	2.00E-01	mg/kg-day	2.19E-03
				Chlorobenzene	9.89E-05	mg/m3	2.70E-05	mg/kg-day	1.71E-02	mg/kg-day	1.57E-03
				Chloroethane	1.47E-03	mg/m3	4.01E-04	mg/kg-day	2.90E+00	mg/kg-day	1.38E-04
				Chloroform	1.82E-04	mg/m3	4.97E-05	mg/kg-day	1.40E-04	mg/kg-day	3.55E-01
				Chloromethane	5.88E-04	mg/m3	1.60E-04	mg/kg-day	2.57E-02	mg/kg-day	6.24E-03
				cis-1,2-Dichloroethene	1.15E-03	mg/m3	3.14E-04	mg/kg-day	1.00E-02	mg/kg-day	3.14E-02
				Cyanide	9.60E-05	mg/m3	2.62E-05	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	2.48E-04	mg/m3	6.78E-05	mg/kg-day	2.86E-01	mg/kg-day	2.37E-04

TABLE F-7.4.7.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED ADULT RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Groundwater (Cont.)	Air (Cont.)	Indoor Air (Cont.)	Inhalation (Vapor Intrusion) (Cont.)	Fluorene	1.34E-07	mg/m3	3.66E-08	mg/kg-day	4.00E-02	mg/kg-day	9.14E-07
				Hexachlorobutadiene	9.57E-06	mg/m3	2.61E-06	mg/kg-day	3.00E-04	mg/kg-day	8.71E-03
				Isopropylbenzene	2.12E-02	mg/m3	5.79E-03	mg/kg-day	1.10E-01	mg/kg-day	5.26E-02
				m,p-Xylene	4.52E-04	mg/m3	1.23E-04	mg/kg-day	2.86E-02	mg/kg-day	4.31E-03
				Methylene Chloride	1.47E-04	mg/m3	4.01E-05	mg/kg-day	8.57E-01	mg/kg-day	4.67E-05
				Methyl-T-Butyl-ether	2.95E-05	mg/m3	8.06E-06	mg/kg-day	8.57E-01	mg/kg-day	9.41E-06
				Naphthalene	5.03E-05	mg/m3	1.37E-05	mg/kg-day	8.57E-04	mg/kg-day	1.60E-02
				n-Butylbenzene	9.94E-05	mg/m3	2.71E-05	mg/kg-day	1.14E-02	mg/kg-day	2.37E-03
				n-propylbenzene	4.44E-04	mg/m3	1.21E-04	mg/kg-day	4.00E-02	mg/kg-day	3.03E-03
				o-Xylene	1.73E-04	mg/m3	4.71E-05	mg/kg-day	2.86E-02	mg/kg-day	1.65E-03
				Phenanthrene	1.75E-07	mg/m3	4.79E-08	mg/kg-day	3.00E-01	mg/kg-day	1.60E-07
				Pyrene	6.77E-08	mg/m3	1.85E-08	mg/kg-day	3.00E-02	mg/kg-day	6.16E-07
				sec-Butylbenzene	5.50E-08	mg/m3	1.50E-08	mg/kg-day	1.14E-02	mg/kg-day	1.31E-06
				tert-Butylbenzene	1.30E-05	mg/m3	3.54E-06	mg/kg-day	1.14E-02	mg/kg-day	3.10E-04
				trans-1,2-Dichloroethene	9.43E-04	mg/m3	2.57E-04	mg/kg-day	2.00E-02	mg/kg-day	1.29E-02
				Tetrachloroethene	4.75E-04	mg/m3	1.30E-04	mg/kg-day	1.71E-01	mg/kg-day	7.56E-04
				Toluene	2.22E-04	mg/m3	6.05E-05	mg/kg-day	1.14E-01	mg/kg-day	5.30E-04
				Trichloroethene	5.23E-02	mg/m3	1.43E-02	mg/kg-day	1.00E-02	mg/kg-day	1.43E+00
				Vinyl chloride	5.47E-03	mg/m3	1.49E-03	mg/kg-day	2.86E-02	mg/kg-day	5.22E-02
				Xylene (Total)	5.96E-04	mg/m3	1.63E-04	mg/kg-day	2.86E-02	mg/kg-day	5.70E-03
			Exposure Route Total								**2.72E+00**
		Exposure Point Total									**2.72E+00**
	Exposure Medium Total										**3.60E+00**
Medium Total											**1.31E+02**
										Total of Receptor Hazards Across All Media	**1.32E+02**

Notes:

--	Not applicable or not available	mg/L	Milligrams per liter
EPA	U.S. Environmental Protection Agency	mg/m^3	Milligrams per cubic meter
EPC	Exposure point concentration	RAGS	Risk Assessment Guidance for Superfund
ft bgs	Feet below ground surface	RfD	Reference dose
mg/kg	Milligrams per kilogram	RfC	Reference concentration
mg/kg-day	Milligrams per kilogram per day	RME	Reasonable maximum exposure

(a) See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Ingestion	2-Methylnaphthalene	1.01E-02	mg/kg	1.29E-07	mg/kg-day	4.00E-03	mg/kg-day	3.23E-05
				4,4'-DDD	7.36E-03	mg/kg	9.41E-08	mg/kg-day	5.00E-04	mg/kg-day	1.88E-04
				4,4'-DDT	2.30E-02	mg/kg	2.94E-07	mg/kg-day	5.00E-04	mg/kg-day	5.88E-04
				4-Bromophenyl-phenylether	2.00E-02	mg/kg	2.56E-07	mg/kg-day	--	--	--
				4-Chlorophenyl-phenylether	2.90E-02	mg/kg	3.71E-07	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.79E-02	mg/kg	3.56E-07	mg/kg-day	8.00E-02	mg/kg-day	4.46E-06
				Acenaphthene	9.12E-03	mg/kg	1.17E-07	mg/kg-day	6.00E-02	mg/kg-day	1.94E-06
				Acenaphthylene	5.80E-03	mg/kg	7.42E-08	mg/kg-day	6.00E-02	mg/kg-day	1.24E-06
				Acetone	1.20E-02	mg/kg	1.53E-07	mg/kg-day	9.00E-01	mg/kg-day	1.70E-07
				Aluminum	9.33E+03	mg/kg	1.19E-01	mg/kg-day	1.00E+00	mg/kg-day	1.19E-01
				Anthracene	9.13E-03	mg/kg	1.17E-07	mg/kg-day	3.00E-01	mg/kg-day	3.89E-07
				Antimony	5.61E+00	mg/kg	7.17E-05	mg/kg-day	4.00E-04	mg/kg-day	1.79E-01
				Aroclor-1260	6.66E-02	mg/kg	8.51E-07	mg/kg-day	2.00E-05	mg/kg-day	4.26E-02
				Arsenic	5.94E+00	mg/kg	7.60E-05	mg/kg-day	3.00E-04	mg/kg-day	2.53E-01
				Barium	1.30E+02	mg/kg	1.66E-03	mg/kg-day	7.00E-02	mg/kg-day	2.37E-02
				Benzo(a)anthracene	2.03E-02	mg/kg	2.59E-07	mg/kg-day	--	--	--
				Benzo(a)pyrene	2.89E-02	mg/kg	3.69E-07	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.81E-02	mg/kg	2.31E-07	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.30E-02	mg/kg	2.94E-07	mg/kg-day	3.00E-02	mg/kg-day	9.81E-06
				Benzo(k)fluoranthene	1.65E-02	mg/kg	2.11E-07	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	3.20E-05	mg/kg-day	2.00E-03	mg/kg-day	1.60E-02
				bis(2-ethylhexyl)phthalate	9.60E-02	mg/kg	1.23E-06	mg/kg-day	2.00E-02	mg/kg-day	6.14E-05
				Cadmium	4.92E+00	mg/kg	6.28E-05	mg/kg-day	5.00E-04	mg/kg-day	1.26E-01
				Carbazole	4.02E+00	mg/kg	5.14E-05	mg/kg-day	--	--	--
				Carbon disulfide	2.00E-03	mg/kg	2.56E-08	mg/kg-day	1.00E-01	mg/kg-day	2.56E-07
				Chloroform	5.40E-03	mg/kg	6.90E-08	mg/kg-day	1.00E-02	mg/kg-day	6.90E-06
				Chromium	3.42E+01	mg/kg	4.37E-04	mg/kg-day	1.50E+00	mg/kg-day	2.91E-04
				Chrysene	2.23E-02	mg/kg	2.85E-07	mg/kg-day	--	--	--
				Cobalt	1.01E+01	mg/kg	1.29E-04	mg/kg-day	2.00E-02	mg/kg-day	6.44E-03
				Copper	4.21E+01	mg/kg	5.39E-04	mg/kg-day	4.00E-02	mg/kg-day	1.35E-02
				Dibenzo(a,h)anthracene	1.05E-02	mg/kg	1.34E-07	mg/kg-day	--	--	--
				Dibenzofuran	1.47E+00	mg/kg	1.88E-05	mg/kg-day	2.00E-03	mg/kg-day	9.41E-03

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Ingestion	Diethylphthalate	5.60E-02	mg/kg	7.16E-07	mg/kg-day	8.00E-01	mg/kg-day	8.95E-07
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Dimethylphthalate	7.30E-02	mg/kg	9.33E-07	mg/kg-day	1.00E+01	mg/kg-day	9.33E-08
				di-n-Butylphthalate	8.00E-02	mg/kg	1.02E-06	mg/kg-day	1.00E-01	mg/kg-day	1.02E-05
				Ethylbenzene	8.35E-03	mg/kg	1.07E-07	mg/kg-day	1.00E-01	mg/kg-day	1.07E-06
				Fluoranthene	2.05E-02	mg/kg	2.62E-07	mg/kg-day	4.00E-02	mg/kg-day	6.54E-06
				Fluorene	1.14E-02	mg/kg	1.46E-07	mg/kg-day	4.00E-02	mg/kg-day	3.66E-06
				Indeno(1,2,3-cd)pyrene	2.29E-02	mg/kg	2.93E-07	mg/kg-day	--	--	--
				Iron	1.76E+04	mg/kg	2.25E-01	mg/kg-day	3.00E-01	mg/kg-day	7.50E-01
				Lead	3.70E+01	mg/kg	4.72E-04	mg/kg-day	--	--	--
				Manganese	5.09E+02	mg/kg	6.51E-03	mg/kg-day	2.40E-02	mg/kg-day	2.71E-01
				Mercury	2.60E+00	mg/kg	3.32E-05	mg/kg-day	3.00E-04	mg/kg-day	1.11E-01
				Molybdenum	2.00E+00	mg/kg	2.56E-05	mg/kg-day	5.00E-03	mg/kg-day	5.11E-03
				Naphthalene	9.49E-03	mg/kg	1.21E-07	mg/kg-day	2.00E-02	mg/kg-day	6.07E-06
				Nickel	5.26E+01	mg/kg	6.73E-04	mg/kg-day	2.00E-02	mg/kg-day	3.36E-02
				n-Nitroso-diphenylamine	4.90E-02	mg/kg	6.26E-07	mg/kg-day	2.00E-02	mg/kg-day	3.13E-05
				o-Xylene	2.25E-02	mg/kg	2.88E-07	mg/kg-day	2.00E-01	mg/kg-day	1.44E-06
				Phenanthrene	2.11E-02	mg/kg	2.70E-07	mg/kg-day	3.00E-01	mg/kg-day	8.98E-07
				Pyrene	2.68E-02	mg/kg	3.43E-07	mg/kg-day	3.00E-02	mg/kg-day	1.14E-05
				Selenium	6.20E-01	mg/kg	7.93E-06	mg/kg-day	5.00E-03	mg/kg-day	1.59E-03
				Silver	4.71E+00	mg/kg	6.02E-05	mg/kg-day	5.00E-03	mg/kg-day	1.20E-02
				Thallium	1.29E+00	mg/kg	1.65E-05	mg/kg-day	6.60E-05	mg/kg-day	2.50E-01
				Toluene	7.59E-03	mg/kg	9.70E-08	mg/kg-day	2.00E-01	mg/kg-day	4.85E-07
				Trichloroethene	5.00E-03	mg/kg	6.39E-08	mg/kg-day	3.00E-04	mg/kg-day	2.13E-04
				Vanadium	3.74E+01	mg/kg	4.78E-04	mg/kg-day	7.00E-03	mg/kg-day	6.83E-02
				Xylene (Total)	2.16E-02	mg/kg	2.76E-07	mg/kg-day	2.00E-01	mg/kg-day	1.38E-06
				Zinc	7.54E+01	mg/kg	9.64E-04	mg/kg-day	3.00E-01	mg/kg-day	3.21E-03
			Exposure Route Total								**2.30E+00**
			Dermal	2-Methylnaphthalene	1.01E-02	mg/kg	3.6E-09	mg/kg-day	4.00E-03	mg/kg-day	9.03E-07
				4,4'-DDD	7.36E-03	mg/kg	2.6E-09	mg/kg-day	5.00E-04	mg/kg-day	5.27E-06
				4,4'-DDT	2.30E-02	mg/kg	2.5E-08	mg/kg-day	5.00E-04	mg/kg-day	4.94E-05
				4-Bromophenyl-phenylether	2.00E-02	mg/kg	7.2E-09	mg/kg-day	--	--	--
				4-Chlorophenyl-phenylether	2.90E-02	mg/kg	--	mg/kg-day	--	--	--

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Dermal	4-Methyl-2-pentanone	2.79E-02	mg/kg	1.0E-08	mg/kg-day	8.00E-02	mg/kg-day	1.25E-07
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Acenaphthene	9.12E-03	mg/kg	4.2E-08	mg/kg-day	6.00E-02	mg/kg-day	7.07E-07
				Acenaphthylene	5.80E-03	mg/kg	2.1E-09	mg/kg-day	6.00E-02	mg/kg-day	3.46E-08
				Acetone	1.20E-02	mg/kg	4.3E-09	mg/kg-day	9.00E-01	mg/kg-day	4.77E-09
				Aluminum	9.33E+03	mg/kg	3.3E-04	mg/kg-day	1.00E+00	mg/kg-day	3.34E-04
				Anthracene	9.13E-03	mg/kg	4.2E-08	mg/kg-day	3.00E-01	mg/kg-day	1.42E-07
				Antimony	5.61E+00	mg/kg	2.0E-07	mg/kg-day	4.00E-04	mg/kg-day	5.02E-04
				Aroclor-1260	6.66E-02	mg/kg	3.3E-07	mg/kg-day	2.00E-05	mg/kg-day	1.67E-02
				Arsenic	5.94E+00	mg/kg	6.4E-06	mg/kg-day	3.00E-04	mg/kg-day	2.13E-02
				Barium	1.30E+02	mg/kg	4.6E-06	mg/kg-day	4.90E-03	mg/kg-day	9.49E-04
				Benzo(a)anthracene	2.03E-02	mg/kg	9.4E-08	mg/kg-day	--	--	--
				Benzo(a)pyrene	2.89E-02	mg/kg	1.3E-07	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.81E-02	mg/kg	8.4E-08	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.30E-02	mg/kg	1.1E-07	mg/kg-day	3.00E-02	mg/kg-day	3.57E-06
				Benzo(k)fluoranthene	1.65E-02	mg/kg	7.7E-08	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	8.9E-08	mg/kg-day	1.40E-05	mg/kg-day	6.39E-03
				bis(2-ethylhexyl)phthalate	9.60E-02	mg/kg	3.4E-08	mg/kg-day	2.00E-02	mg/kg-day	1.72E-06
				Cadmium	4.92E+00	mg/kg	1.8E-07	mg/kg-day	5.00E-04	mg/kg-day	3.52E-04
				Carbazole	4.02E+00	mg/kg	1.4E-06	mg/kg-day	--	--	--
				Carbon disulfide	2.00E-03	mg/kg	1.8E-08	mg/kg-day	1.00E-01	mg/kg-day	1.79E-07
				Chloroform	5.40E-03	mg/kg	1.9E-09	mg/kg-day	1.00E-02	mg/kg-day	1.93E-07
				Chromium	3.42E+01	mg/kg	1.2E-06	mg/kg-day	1.50E+00	mg/kg-day	8.15E-07
				Chrysene	2.23E-02	mg/kg	1.0E-07	mg/kg-day	--	--	--
				Cobalt	1.01E+01	mg/kg	3.6E-07	mg/kg-day	2.00E-02	mg/kg-day	1.80E-05
				Copper	4.21E+01	mg/kg	1.5E-06	mg/kg-day	4.00E-02	mg/kg-day	3.77E-05
				Dibenzo(a,h)anthracene	1.05E-02	mg/kg	4.9E-08	mg/kg-day	--	--	--
				Dibenzofuran	1.47E+00	mg/kg	5.3E-07	mg/kg-day	2.00E-03	mg/kg-day	2.63E-04
				Diethylphthalate	5.60E-02	mg/kg	2.0E-08	mg/kg-day	8.00E-01	mg/kg-day	2.51E-08
				Dimethylphthalate	7.30E-02	mg/kg	2.6E-08	mg/kg-day	1.00E+01	mg/kg-day	2.61E-09
				di-n-Butylphthalate	8.00E-02	mg/kg	2.9E-08	mg/kg-day	1.00E+01	mg/kg-day	2.86E-09
				Ethylbenzene	8.35E-03	mg/kg	3.0E-09	mg/kg-day	1.00E-01	mg/kg-day	2.99E-08
				Fluoranthene	2.05E-02	mg/kg	9.5E-08	mg/kg-day	4.00E-02	mg/kg-day	2.38E-06

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Site Soil	Dermal	Fluorene	1.14E-02	mg/kg	5.3E-08	mg/kg-day	4.00E-02	mg/kg-day	1.33E-06
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Indeno(1,2,3-cd)pyrene	2.29E-02	mg/kg	1.1E-07	mg/kg-day	--	--	--
				Iron	1.76E+04	mg/kg	6.3E-04	mg/kg-day	3.00E-01	mg/kg-day	2.10E-03
				Lead	3.70E+01	mg/kg	1.3E-06	mg/kg-day	--	--	--
				Manganese	5.09E+02	mg/kg	1.8E-05	mg/kg-day	2.40E-02	mg/kg-day	7.60E-04
				Mercury	2.60E+00	mg/kg	--	mg/kg-day	2.10E-05	mg/kg-day	--
				Molybdenum	2.00E+00	mg/kg	7.2E-08	mg/kg-day	5.00E-03	mg/kg-day	1.43E-05
				Naphthalene	9.49E-03	mg/kg	4.4E-08	mg/kg-day	2.00E-02	mg/kg-day	2.21E-06
				Nickel	5.26E+01	mg/kg	1.9E-06	mg/kg-day	8.00E-04	mg/kg-day	2.36E-03
				n-Nitroso-diphenylamine	4.90E-02	mg/kg	1.8E-08	mg/kg-day	2.00E-02	mg/kg-day	8.77E-07
				o-Xylene	2.25E-02	mg/kg	8.1E-09	mg/kg-day	2.00E-01	mg/kg-day	4.03E-08
				Phenanthrene	2.11E-02	mg/kg	7.5E-09	mg/kg-day	3.00E-01	mg/kg-day	2.52E-08
				Pyrene	2.68E-02	mg/kg	1.2E-07	mg/kg-day	3.00E-02	mg/kg-day	4.16E-06
				Selenium	6.20E-01	mg/kg	2.2E-08	mg/kg-day	1.50E-03	mg/kg-day	1.48E-05
				Silver	4.71E+00	mg/kg	1.7E-07	mg/kg-day	2.00E-04	mg/kg-day	8.43E-04
				Thallium	1.29E+00	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Toluene	7.59E-03	mg/kg	2.7E-09	mg/kg-day	2.00E-01	mg/kg-day	1.36E-08
				Trichloroethene	5.00E-03	mg/kg	1.8E-09	mg/kg-day	3.00E-04	mg/kg-day	5.97E-06
				Vanadium	3.74E+01	mg/kg	1.3E-06	mg/kg-day	1.82E-04	mg/kg-day	7.36E-03
				Xylene (Total)	2.16E-02	mg/kg	7.7E-09	mg/kg-day	2.00E-01	mg/kg-day	3.87E-08
				Zinc	7.54E+01	mg/kg	2.7E-06	mg/kg-day	3.00E-01	mg/kg-day	8.99E-06
			Exposure Route Total								**6.04E-02**
		Exposure Point Total									**2.36E+00**
		Homegrown Produce	Ingestion	2-Methylnaphthalene	1.01E-02	mg/kg	--	mg/kg-day	4.00E-03	mg/kg-day	--
				4,4'-DDD	7.36E-03	mg/kg	4.1E-10	mg/kg-day	5.00E-04	mg/kg-day	8.19E-07
				4,4'-DDT	2.30E-02	mg/kg	9.9E-10	mg/kg-day	5.00E-04	mg/kg-day	1.98E-06
				4-Bromophenyl-phenylether	2.00E-02	mg/kg	1.7E-09	mg/kg-day	--	--	--
				4-Chlorophenyl-phenylether	2.90E-02	mg/kg	2.5E-09	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.79E-02	mg/kg	--	mg/kg-day	8.00E-02	mg/kg-day	--
				Acenaphthene	9.12E-03	mg/kg	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Acenaphthylene	5.80E-03	mg/kg	--	mg/kg-day	6.00E-02	mg/kg-day	--
				Acetone	1.20E-02	mg/kg	--	mg/kg-day	9.00E-01	mg/kg-day	--

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs)	Soil	Homegrown Produce	Ingestion	Aluminum	9.33E+03	mg/kg	--	mg/kg-day	1.00E+00	mg/kg-day	--
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Anthracene	9.13E-03	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Antimony	5.61E+00	mg/kg	--	mg/kg-day	4.00E-04	mg/kg-day	--
				Aroclor-1260	6.66E-02	mg/kg	5.4E-09	mg/kg-day	2.00E-05	mg/kg-day	2.68E-04
				Arsenic	5.94E+00	mg/kg	3.0E-05	mg/kg-day	3.00E-04	mg/kg-day	1.01E-01
				Barium	1.30E+02	mg/kg	--	mg/kg-day	7.00E-02	mg/kg-day	--
				Benzo(a)anthracene	2.03E-02	mg/kg	1.7E-09	mg/kg-day	--	--	--
				Benzo(a)pyrene	2.89E-02	mg/kg	1.6E-09	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.81E-02	mg/kg	1.2E-09	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	2.30E-02	mg/kg	--	mg/kg-day	3.00E-02	mg/kg-day	--
				Benzo(k)fluoranthene	1.65E-02	mg/kg	8.9E-10	mg/kg-day	--	--	--
				Beryllium	2.50E+00	mg/kg	--	mg/kg-day	2.00E-03	mg/kg-day	--
				bis(2-ethylhexyl)phthalate	9.60E-02	mg/kg	7.2E-11	mg/kg-day	2.00E-02	mg/kg-day	3.60E-09
				Cadmium	4.92E+00	mg/kg	3.1E-04	mg/kg-day	5.00E-04	mg/kg-day	6.30E-01
				Carbazole	4.02E+00	mg/kg	1.2E-04	mg/kg-day	--	--	--
				Carbon disulfide	2.00E-03	mg/kg	--	mg/kg-day	1.00E-01	mg/kg-day	--
				Chloroform	5.40E-03	mg/kg	--	mg/kg-day	1.00E-02	mg/kg-day	--
				Chromium	3.42E+01	mg/kg	--	mg/kg-day	1.50E+00	mg/kg-day	--
				Chrysene	2.23E-02	mg/kg	1.8E-09	mg/kg-day	--	--	--
				Cobalt	1.01E+01	mg/kg	--	mg/kg-day	2.00E-02	mg/kg-day	--
				Copper	4.21E+01	mg/kg	--	mg/kg-day	4.00E-02	mg/kg-day	--
				Dibenzo(a,h)anthracene	1.05E-02	mg/kg	3.7E-10	mg/kg-day	--	--	--
				Dibenzofuran	1.47E+00	mg/kg	--	mg/kg-day	2.00E-03	mg/kg-day	--
				Diethylphthalate	5.60E-02	mg/kg	2.9E-06	mg/kg-day	8.00E-01	mg/kg-day	3.62E-06
				Dimethylphthalate	7.30E-02	mg/kg	1.7E-06	mg/kg-day	1.00E+01	mg/kg-day	1.66E-07
				di-n-Butylphthalate	8.00E-02	mg/kg	1.3E-08	mg/kg-day	1.00E-01	mg/kg-day	1.32E-07
				Ethylbenzene	8.35E-03	mg/kg	--	mg/kg-day	1.00E-01	mg/kg-day	--
				Fluoranthene	2.05E-02	mg/kg	1.8E-09	mg/kg-day	4.00E-02	mg/kg-day	4.54E-08
				Fluorene	1.14E-02	mg/kg	--	mg/kg-day	4.00E-02	mg/kg-day	--
				Indeno(1,2,3-cd)pyrene	2.29E-02	mg/kg	1.1E-09	mg/kg-day	--	--	--
				Iron	1.76E+04	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Lead	3.70E+01	mg/kg	--	mg/kg-day	--	--	--

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (Cont.)	Soil (Cont.)	Homegrown Produce (Cont.)	Ingestion (Cont.)	Manganese	5.09E+02	mg/kg	--	mg/kg-day	2.40E-02	mg/kg-day	--
				Mercury	2.60E+00	mg/kg	2.0E-05	mg/kg-day	3.00E-04	mg/kg-day	6.79E-02
				Molybdenum	2.00E+00	mg/kg	--	mg/kg-day	5.00E-03	mg/kg-day	--
				Naphthalene	9.49E-03	mg/kg	--	mg/kg-day	2.00E-02	mg/kg-day	--
				Nickel	5.26E+01	mg/kg	4.4E-04	mg/kg-day	2.00E-02	mg/kg-day	2.18E-02
				n-Nitroso-diphenylamine	4.90E-02	mg/kg	1.4E-06	mg/kg-day	2.00E-02	mg/kg-day	6.87E-05
				o-Xylene	2.25E-02	mg/kg	--	mg/kg-day	2.00E-01	mg/kg-day	--
				Phenanthrene	2.11E-02	mg/kg	--	mg/kg-day	3.00E-01	mg/kg-day	--
				Pyrene	2.68E-02	mg/kg	--	mg/kg-day	3.00E-02	mg/kg-day	--
				Selenium	6.20E-01	mg/kg	5.0E-06	mg/kg-day	5.00E-03	mg/kg-day	1.01E-03
				Silver	4.71E+00	mg/kg	--	mg/kg-day	5.00E-03	mg/kg-day	--
				Thallium	1.29E+00	mg/kg	--	mg/kg-day	6.60E-05	mg/kg-day	--
				Toluene	7.59E-03	mg/kg	--	mg/kg-day	2.00E-01	mg/kg-day	--
				Trichloroethene	5.00E-03	mg/kg	--	mg/kg-day	3.00E-04	mg/kg-day	--
				Vanadium	3.74E+01	mg/kg	--	mg/kg-day	7.00E-03	mg/kg-day	--
				Xylene (Total)	2.16E-02	mg/kg	--	mg/kg-day	2.00E-01	mg/kg-day	--
				Zinc	7.54E+01	mg/kg	2.5E-03	mg/kg-day	3.00E-01	mg/kg-day	8.31E-03
			Exposure Route Total								**8.30E-01**
		Exposure Point Total									**8.30E-01**
	Exposure Medium Total										**3.19E+00**
	Air	Outdoor Air	Inhalation (particulates or VOCs)	2-Methylnaphthalene	7.12E-08	mg/m^3	4.6E-08	mg/kg-day	--	--	--
				4,4'-DDD	5.57E-12	mg/m^3	3.6E-12	mg/kg-day	5.00E-04	mg/kg-day	7.18E-09
				4,4'-DDT	1.74E-11	mg/m^3	1.1E-11	mg/kg-day	5.00E-04	mg/kg-day	2.25E-08
				4-Bromophenyl-phenylether	1.52E-11	mg/m^3	9.8E-12	mg/kg-day	--	--	--
				4-Chlorophenyl-phenylether	2.20E-11	mg/m^3	1.4E-11	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.12E-06	mg/m^3	7.2E-07	mg/kg-day	8.60E-01	mg/kg-day	8.36E-07
				Acenaphthene	5.07E-08	mg/m^3	3.3E-08	mg/kg-day	6.00E-02	mg/kg-day	5.44E-07
				Acenaphthylene	3.22E-08	mg/m^3	2.1E-08	mg/kg-day	6.00E-02	mg/kg-day	3.46E-07
				Acetone	9.52E-07	mg/m^3	6.1E-07	mg/kg-day	9.00E-01	mg/kg-day	6.82E-07
				Aluminum	7.07E-06	mg/m^3	4.6E-06	mg/kg-day	1.43E-03	mg/kg-day	3.18E-03
				Anthracene	1.30E-08	mg/m^3	8.4E-09	mg/kg-day	3.00E-01	mg/kg-day	2.80E-08
				Antimony	4.25E-09	mg/m^3	2.7E-09	mg/kg-day	--	--	--

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Soil (0-8 ft bgs)	Air	Outdoor Air	Inhalation	Aroclor-1260	5.04E-11	mg/m^3	3.3E-11	mg/kg-day	2.00E-05	mg/kg-day	1.63E-06
(Cont.)	(Cont.)	(Cont.)	(particulates or	Arsenic	4.50E-09	mg/m^3	2.9E-09	mg/kg-day	--	mg/kg-day	--
			VOCs)	Barium	9.84E-08	mg/m^3	6.3E-08	mg/kg-day	1.40E-04	mg/kg-day	4.53E-04
			(Cont.)	Benzo(a)anthracene	1.54E-11	mg/m^3	9.9E-12	mg/kg-day	--	--	--
				Benzo(a)pyrene	2.19E-11	mg/m^3	1.4E-11	mg/kg-day	--	--	--
				Benzo(b)fluoranthene	1.37E-11	mg/m^3	8.8E-12	mg/kg-day	--	--	--
				Benzo(g,h,i)perylene	1.74E-11	mg/m^3	1.1E-11	mg/kg-day	3.00E-02	mg/kg-day	3.75E-10
				Benzo(k)fluoranthene	1.25E-11	mg/m^3	8.0E-12	mg/kg-day	--	--	--
				Beryllium	1.89E-09	mg/m^3	1.2E-09	mg/kg-day	5.71E-06	mg/kg-day	2.14E-04
				bis(2-ethylhexyl)phthalate	7.27E-11	mg/m^3	4.7E-11	mg/kg-day	2.20E-02	mg/kg-day	2.13E-09
				Cadmium	3.72E-09	mg/m^3	2.4E-09	mg/kg-day	--	mg/kg-day	--
				Carbazole	3.04E-09	mg/m^3	2.0E-09	mg/kg-day	--	--	--
				Carbon disulfide	1.67E-06	mg/m^3	1.1E-06	mg/kg-day	2.00E-01	mg/kg-day	5.37E-06
				Chloroform	2.00E-06	mg/m^3	1.3E-06	mg/kg-day	1.40E-04	mg/kg-day	9.21E-03
				Chromium	2.59E-08	mg/m^3	1.7E-08	mg/kg-day	--	--	--
				Chrysene	1.69E-11	mg/m^3	1.1E-11	mg/kg-day	--	--	--
				Cobalt	7.63E-09	mg/m^3	4.9E-09	mg/kg-day	5.71E-06	mg/kg-day	8.61E-04
				Copper	3.19E-08	mg/m^3	2.1E-08	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	7.93E-12	mg/m^3	5.1E-12	mg/kg-day	--	--	--
				Dibenzofuran	2.26E-06	mg/m^3	1.5E-06	mg/kg-day	2.00E-03	mg/kg-day	7.29E-04
				Diethylphthalate	4.24E-11	mg/m^3	2.7E-11	mg/kg-day	8.00E-01	mg/kg-day	3.42E-11
				Dimethylphthalate	5.53E-11	mg/m^3	3.6E-11	mg/kg-day	1.00E+01	mg/kg-day	3.56E-12
				di-n-Butylphthalate	6.06E-11	mg/m^3	3.9E-11	mg/kg-day	--	--	--
				Ethylbenzene	1.55E-06	mg/m^3	1.0E-06	mg/kg-day	2.86E-01	mg/kg-day	3.49E-06
				Fluoranthene	1.55E-11	mg/m^3	1.0E-11	mg/kg-day	4.00E-02	mg/kg-day	2.50E-10
				Fluorene	3.18E-08	mg/m^3	2.0E-08	mg/kg-day	4.00E-02	mg/kg-day	5.12E-07
				Indeno(1,2,3-cd)pyrene	1.73E-11	mg/m^3	1.1E-11	mg/kg-day	--	--	--
				Iron	1.33E-05	mg/m^3	8.6E-06	mg/kg-day	--	--	--
				Lead	2.80E-08	mg/m^3	1.8E-08	mg/kg-day	--	--	--
				Manganese	3.86E-07	mg/m^3	2.5E-07	mg/kg-day	1.43E-05	mg/kg-day	1.74E-02
				Mercury	1.97E-09	mg/m^3	1.3E-09	mg/kg-day	--	mg/kg-day	--
				Molybdenum	1.51E-09	mg/m^3	9.8E-10	mg/kg-day	--	--	--

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Soil (0-8 ft bgs) (Cont.)	Air (Cont.)	Outdoor Air (Cont.)	Inhalation (particulates or VOCs) (Cont.)	Naphthalene	2.21E-07	mg/m^3	1.4E-07	mg/kg-day	8.57E-04	mg/kg-day	1.66E-04
				Nickel	3.99E-08	mg/m^3	2.6E-08	mg/kg-day	5.71E-05	mg/kg-day	4.50E-04
				n-Nitroso-diphenylamine	3.71E-11	mg/m^3	2.4E-11	mg/kg-day	2.00E-02	mg/kg-day	1.20E-09
				o-Xylene	3.69E-06	mg/m^3	2.4E-06	mg/kg-day	2.86E-02	mg/kg-day	8.31E-05
				Phenanthrene	1.41E-08	mg/m^3	9.1E-09	mg/kg-day	3.00E-01	mg/kg-day	3.03E-08
				Pyrene	7.06E-09	mg/m^3	4.6E-09	mg/kg-day	3.00E-02	mg/kg-day	1.52E-07
				Selenium	4.70E-10	mg/m^3	3.0E-10	mg/kg-day	--	mg/kg-day	--
				Silver	3.57E-09	mg/m^3	2.3E-09	mg/kg-day	--	--	--
				Thallium	9.79E-10	mg/m^3	6.3E-10	mg/kg-day	--	--	--
				Toluene	1.90E-06	mg/m^3	1.2E-06	mg/kg-day	1.14E-01	mg/kg-day	1.07E-05
				Trichloroethene	1.52E-06	mg/m^3	9.8E-07	mg/kg-day	1.00E-02	mg/kg-day	9.76E-05
				Vanadium	2.83E-08	mg/m^3	1.8E-08	mg/kg-day	--	--	--
				Xylene (Total)	3.54E-06	mg/m^3	2.3E-06	mg/kg-day	2.86E-02	mg/kg-day	7.99E-05
				Zinc	5.71E-08	mg/m^3	3.7E-08	mg/kg-day	--	mg/kg-day	--
			Exposure Route Total								**3.30E-02**
		Exposure Point Total									**3.30E-02**
	Exposure Medium Total										**3.30E-02**
Medium Total											**3.22E+00**
Groundwater	Groundwater	Domestic Use of Groundwater	Ingestion	1,1,1-Trichloroethane	2.23E-02	mg/L	1.43E-03	mg/kg-day	2.80E-01	mg/kg-day	5.09E-03
				1,1,2-Trichloroethane	1.06E-02	mg/L	6.76E-04	mg/kg-day	4.00E-03	mg/kg-day	1.69E-01
				1,1-Dichlorethane	1.08E-01	mg/L	6.92E-03	mg/kg-day	1.00E-01	mg/kg-day	6.92E-02
				1,1-Dichlorethene	5.89E-01	mg/L	3.76E-02	mg/kg-day	5.00E-02	mg/kg-day	7.53E-01
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	7.23E-04	mg/kg-day	5.00E-02	mg/kg-day	1.45E-02
				1,2-Dichlorobenzene	1.34E-02	mg/L	8.55E-04	mg/kg-day	9.00E-02	mg/kg-day	9.50E-03
				1,2-Dichlorethane	1.25E-02	mg/L	7.98E-04	mg/kg-day	2.00E-02	mg/kg-day	3.99E-02
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	1.88E-02	mg/kg-day	1.00E-02	mg/kg-day	1.88E+00
				1,2-Dichloropropane	1.00E-04	mg/L	6.39E-06	mg/kg-day	1.10E-03	mg/kg-day	5.81E-03
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	6.79E-04	mg/kg-day	5.00E-02	mg/kg-day	1.36E-02
				1,3-Dichlorobenzene	4.50E-03	mg/L	2.88E-04	mg/kg-day	9.00E-04	mg/kg-day	3.20E-01
				1,4-Dichlorobenzene	6.42E-03	mg/L	4.10E-04	mg/kg-day	3.00E-02	mg/kg-day	1.37E-02
				2-Butanone	7.10E-02	mg/L	4.54E-03	mg/kg-day	6.00E-01	mg/kg-day	7.56E-03
				2-Hexanone	2.00E-03	mg/L	1.28E-04	mg/kg-day	8.00E-02	mg/kg-day	1.60E-03
				2-Methylnaphthalene	7.00E-04	mg/L	4.47E-05	mg/kg-day	4.00E-03	mg/kg-day	1.12E-02
				4-Methyl-2-pentanone	2.90E-02	mg/L	1.85E-03	mg/kg-day	8.00E-02	mg/kg-day	2.32E-02

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Ingestion (Cont.)	Acenaphthene	2.00E-03	mg/L	1.28E-04	mg/kg-day	6.00E-02	mg/kg-day	2.13E-03
				Acenaphthylene	2.00E-03	mg/L	1.28E-04	mg/kg-day	6.00E-02	mg/kg-day	2.13E-03
				Acetone	1.65E+00	mg/L	1.06E-01	mg/kg-day	9.00E-01	mg/kg-day	1.17E-01
				Aluminum	9.88E-01	mg/L	6.31E-02	mg/kg-day	1.00E+00	mg/kg-day	6.31E-02
				Antimony	1.43E-02	mg/L	9.13E-04	mg/kg-day	4.00E-04	mg/kg-day	2.28E+00
				Arsenic	1.98E-02	mg/L	1.27E-03	mg/kg-day	3.00E-04	mg/kg-day	4.22E+00
				Barium	2.70E-01	mg/L	1.72E-02	mg/kg-day	7.00E-02	mg/kg-day	2.46E-01
				Benzene	1.59E-02	mg/L	1.02E-03	mg/kg-day	4.00E-03	mg/kg-day	2.54E-01
				Benzo(a)anthracene	1.00E-04	mg/L	6.39E-06	mg/kg-day	--	--	--
				Benzo(a)pyrene	1.00E-04	mg/L	6.39E-06	mg/kg-day	--	--	--
				Beryllium	1.41E-03	mg/L	9.03E-05	mg/kg-day	2.00E-03	mg/kg-day	4.52E-02
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	4.54E-04	mg/kg-day	2.00E-02	mg/kg-day	2.27E-02
				Bromodichloromethane	7.10E-03	mg/L	4.54E-04	mg/kg-day	2.00E-02	mg/kg-day	2.27E-02
				Cadmium	1.60E-02	mg/L	1.02E-03	mg/kg-day	5.00E-04	mg/kg-day	2.05E+00
				Carbon disulfide	7.53E-03	mg/L	4.81E-04	mg/kg-day	1.00E-01	mg/kg-day	4.81E-03
				Chlorobenzene	6.07E-03	mg/L	3.88E-04	mg/kg-day	2.00E-02	mg/kg-day	1.94E-02
				Chloroethane	1.23E-02	mg/L	7.89E-04	mg/kg-day	4.00E-01	mg/kg-day	1.97E-03
				Chloroform	7.44E-03	mg/L	4.76E-04	mg/kg-day	1.00E-02	mg/kg-day	4.76E-02
				Chloromethane	7.26E-03	mg/L	4.64E-04	mg/kg-day	2.60E-02	mg/kg-day	1.78E-02
				Chromium	1.52E-01	mg/L	9.71E-03	mg/kg-day	1.50E+00	mg/kg-day	6.48E-03
				Chromium (VI)	4.72E-01	mg/L	3.02E-02	mg/kg-day	3.00E-03	mg/kg-day	1.01E+01
				cis-1,2-Dichloroethene	5.55E-02	mg/L	3.55E-03	mg/kg-day	1.00E-02	mg/kg-day	3.55E-01
				Cobalt	1.51E-02	mg/L	9.66E-04	mg/kg-day	2.00E-02	mg/kg-day	4.83E-02
				Copper	1.24E-02	mg/L	7.92E-04	mg/kg-day	4.00E-02	mg/kg-day	1.98E-02
				Cyanide	6.60E-02	mg/L	4.22E-03	mg/kg-day	2.00E-02	mg/kg-day	2.11E-01
				Ethylbenzene	7.18E-03	mg/L	4.59E-04	mg/kg-day	1.00E-01	mg/kg-day	4.59E-03
				Fluoranthene	1.80E-03	mg/L	1.15E-04	mg/kg-day	4.00E-02	mg/kg-day	2.88E-03
				Fluorene	1.00E-03	mg/L	6.39E-05	mg/kg-day	4.00E-02	mg/kg-day	1.60E-03
				Hexachlorobutadiene	4.00E-04	mg/L	2.56E-05	mg/kg-day	3.00E-04	mg/kg-day	8.52E-02
				Iron	1.70E+01	mg/L	1.09E+00	mg/kg-day	3.00E-01	mg/kg-day	3.62E+00
				Isopropylbenzene	5.50E-03	mg/L	3.52E-04	mg/kg-day	1.00E-01	mg/kg-day	3.52E-03
				Lead	7.38E-03	mg/L	4.72E-04	mg/kg-day	--	--	--

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Ingestion (Cont.)	m,p-Xylene	1.32E-02	mg/L	8.46E-04	mg/kg-day	2.00E-01	mg/kg-day	4.23E-03
				Manganese	9.91E+00	mg/L	6.33E-01	mg/kg-day	2.40E-02	mg/kg-day	2.64E+01
				Mercury	4.40E-05	mg/L	2.81E-06	mg/kg-day	3.00E-04	mg/kg-day	9.38E-03
				Methylene chloride	9.90E-03	mg/L	6.33E-04	mg/kg-day	6.00E-02	mg/kg-day	1.06E-02
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	4.46E-04	mg/kg-day	8.60E-01	mg/kg-day	5.18E-04
				Molybdenum	7.50E-02	mg/L	4.79E-03	mg/kg-day	5.00E-03	mg/kg-day	9.59E-01
				Naphthalene	3.35E-02	mg/L	2.14E-03	mg/kg-day	2.00E-02	mg/kg-day	1.07E-01
				n-Butylbenzene	2.40E-03	mg/L	1.53E-04	mg/kg-day	4.00E-02	mg/kg-day	3.84E-03
				Nickel	1.83E-01	mg/L	1.17E-02	mg/kg-day	2.00E-02	mg/kg-day	5.84E-01
				n-Propylbenzene	1.22E-02	mg/L	7.82E-04	mg/kg-day	--	mg/kg-day	--
				o-Xylene	6.86E-03	mg/L	4.39E-04	mg/kg-day	2.00E-01	mg/kg-day	2.19E-03
				Phenanthrene	2.00E-03	mg/L	1.28E-04	mg/kg-day	3.00E-01	mg/kg-day	4.26E-04
				Phenol	6.60E-03	mg/L	4.22E-04	mg/kg-day	3.00E-01	mg/kg-day	1.41E-03
				p-Isopropyltoluene	8.00E-04	mg/L	5.11E-05	mg/kg-day	--	mg/kg-day	--
				Pyrene	3.00E-03	mg/L	1.92E-04	mg/kg-day	3.00E-02	mg/kg-day	6.39E-03
				sec-Butylbenzene	5.00E-04	mg/L	3.20E-05	mg/kg-day	4.00E-02	mg/kg-day	7.99E-04
				Selenium	1.08E-02	mg/L	6.91E-04	mg/kg-day	5.00E-03	mg/kg-day	1.38E-01
				Silver	5.48E-03	mg/L	3.50E-04	mg/kg-day	5.00E-03	mg/kg-day	7.00E-02
				Tert-Butanol	4.21E-01	mg/L	2.69E-02	mg/kg-day	--	mg/kg-day	--
				tert-Butylbenzene	3.00E-04	mg/L	1.92E-05	mg/kg-day	4.00E-02	mg/kg-day	4.79E-04
				Tetrachloroethene	5.84E-03	mg/L	3.74E-04	mg/kg-day	1.00E-02	mg/kg-day	3.74E-02
				Thallium	8.12E-03	mg/L	5.19E-04	mg/kg-day	6.60E-05	mg/kg-day	7.86E+00
				Toluene	6.35E-03	mg/L	4.06E-04	mg/kg-day	2.00E-01	mg/kg-day	2.03E-03
				trans-1,2-Dichloroethene	1.16E-02	mg/L	7.42E-04	mg/kg-day	2.00E-02	mg/kg-day	3.71E-02
				Trichloroethene	1.00E+00	mg/L	6.39E-02	mg/kg-day	3.00E-04	mg/kg-day	2.13E+02
				Vanadium	2.85E-02	mg/L	1.83E-03	mg/kg-day	7.00E-03	mg/kg-day	2.61E-01
				Vinyl chloride	2.54E-02	mg/L	1.62E-03	mg/kg-day	3.00E-03	mg/kg-day	5.41E-01
				Xylene (Total)	1.75E-02	mg/L	1.12E-03	mg/kg-day	2.00E-01	mg/kg-day	5.59E-03
				Zinc	1.50E-01	mg/L	9.57E-03	mg/kg-day	3.00E-01	mg/kg-day	3.19E-02
			Exposure Route Total								**2.77E+02**

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Dermal (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/L	1.61E-04	mg/kg-day	2.80E-01	mg/kg-day	5.75E-04
				1,1,2-Trichloroethane	1.06E-02	mg/L	2.87E-05	mg/kg-day	4.00E-03	mg/kg-day	7.17E-03
				1,1-Dichlorethane	1.08E-01	mg/L	4.04E-04	mg/kg-day	1.00E-01	mg/kg-day	4.04E-03
				1,1-Dichlorethene	5.89E-01	mg/L	3.95E-03	mg/kg-day	5.00E-02	mg/kg-day	7.90E-02
				1,2,4-Trimethylbenzene	1.13E-02	mg/L	4.51E-04	mg/kg-day	5.00E-02	mg/kg-day	9.01E-03
				1,2-Dichlorobenzene	1.34E-02	mg/L	3.72E-04	mg/kg-day	9.00E-02	mg/kg-day	4.13E-03
				1,2-Dichlorethane	1.25E-02	mg/L	2.81E-05	mg/kg-day	2.00E-02	mg/kg-day	1.41E-03
				1,2-Dichlorethene (Total)	2.94E-01	mg/L	1.85E-03	mg/kg-day	1.00E-02	mg/kg-day	1.85E-01
				1,2-Dichloropropane	1.00E-04	mg/L	4.19E-07	mg/kg-day	1.10E-03	mg/kg-day	3.80E-04
				1,3,5-Trimethylbenzene	1.06E-02	mg/L	4.23E-04	mg/kg-day	5.00E-02	mg/kg-day	8.46E-03
				1,3-Dichlorobenzene	4.50E-03	mg/L	1.47E-04	mg/kg-day	9.00E-04	mg/kg-day	1.63E-01
				1,4-Dichlorobenzene	6.42E-03	mg/L	1.68E-04	mg/kg-day	3.00E-02	mg/kg-day	5.60E-03
				2-Butanone	7.10E-02	mg/L	3.33E-05	mg/kg-day	6.00E-01	mg/kg-day	5.54E-05
				2-Hexanone	2.00E-03	mg/L	3.76E-06	mg/kg-day	8.00E-02	mg/kg-day	4.69E-05
				2-Methylnaphthalene	7.00E-04	mg/L	4.19E-05	mg/kg-day	4.00E-03	mg/kg-day	1.05E-02
				4-Methyl-2-pentanone	2.90E-02	mg/L	4.86E-05	mg/kg-day	8.00E-02	mg/kg-day	6.07E-04
				Acenaphthene	2.00E-03	mg/L	1.12E-04	mg/kg-day	6.00E-02	mg/kg-day	1.87E-03
				Acenaphthylene	2.00E-03	mg/L	1.19E-04	mg/kg-day	6.00E-02	mg/kg-day	1.98E-03
				Acetone	1.65E+00	mg/L	3.97E-04	mg/kg-day	9.00E-01	mg/kg-day	4.41E-04
				Aluminum	9.88E-01	mg/L	8.92E-04	mg/kg-day	1.00E+00	mg/kg-day	8.92E-04
				Antimony	1.43E-02	mg/L	6.57E-06	mg/kg-day	4.00E-04	mg/kg-day	1.64E-02
				Arsenic	1.98E-02	mg/L	1.61E-05	mg/kg-day	3.00E-04	mg/kg-day	5.38E-02
				Barium	2.70E-01	mg/L	4.58E-05	mg/kg-day	4.90E-03	mg/kg-day	9.36E-03
				Benzene	1.59E-02	mg/L	1.39E-04	mg/kg-day	4.00E-03	mg/kg-day	3.47E-02
				Benzo(a)anthracene	1.00E-04	mg/L	4.00E-05	mg/kg-day	--	--	--
				Benzo(a)pyrene	1.00E-04	mg/L	5.23E-05	mg/kg-day	--	--	--
				Beryllium	1.41E-03	mg/L	3.94E-07	mg/kg-day	1.40E-05	mg/kg-day	2.81E-02
				bis(2-ethylhexyl)phthalate	7.09E-03	mg/L	5.90E-03	mg/kg-day	2.00E-02	mg/kg-day	2.95E-01
				Bromodichloromethane	7.10E-03	mg/L	1.50E-05	mg/kg-day	2.00E-02	mg/kg-day	7.52E-04
				Cadmium	1.60E-02	mg/L	2.37E-06	mg/kg-day	5.00E-04	mg/kg-day	4.73E-03
				Carbon disulfide	7.53E-03	mg/L	4.95E-05	mg/kg-day	1.00E-01	mg/kg-day	4.95E-04
				Chlorobenzene	6.07E-03	mg/L	1.04E-04	mg/kg-day	2.00E-02	mg/kg-day	5.22E-03

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Dermal (bathing/ showering) (Cont.)	Chloroethane	1.23E-02	mg/L	4.16E-05	mg/kg-day	4.00E-01	mg/kg-day	1.04E-04
				Chloroform	7.44E-03	mg/L	2.80E-05	mg/kg-day	1.00E-02	mg/kg-day	2.80E-03
				Chloromethane	7.26E-03	mg/L	1.27E-05	mg/kg-day	2.60E-02	mg/kg-day	4.89E-04
				Chromium	1.52E-01	mg/L	6.41E-05	mg/kg-day	1.50E+00	mg/kg-day	4.27E-05
				Chromium (VI)	4.72E-01	mg/L	1.99E-04	mg/kg-day	3.00E-03	mg/kg-day	6.64E-02
				cis-1,2-Dichloroethene	5.55E-02	mg/L	3.49E-04	mg/kg-day	1.00E-02	mg/kg-day	3.49E-02
				Cobalt	1.51E-02	mg/L	7.72E-06	mg/kg-day	2.00E-02	mg/kg-day	3.86E-04
				Copper	1.24E-02	mg/L	1.60E-06	mg/kg-day	4.00E-02	mg/kg-day	4.01E-05
				Cyanide	6.60E-02	mg/L	2.41E-05	mg/kg-day	2.00E-02	mg/kg-day	1.21E-03
				Ethylbenzene	7.18E-03	mg/L	2.24E-04	mg/kg-day	1.00E-01	mg/kg-day	2.24E-03
				Fluoranthene	1.80E-03	mg/L	3.90E-04	mg/kg-day	4.00E-02	mg/kg-day	9.74E-03
				Fluorene	1.00E-03	mg/L	7.21E-05	mg/kg-day	4.00E-02	mg/kg-day	1.80E-03
				Hexachlorobutadiene	4.00E-04	mg/L	2.04E-05	mg/kg-day	3.00E-04	mg/kg-day	6.81E-02
				Iron	1.70E+01	mg/L	1.77E-03	mg/kg-day	3.00E-01	mg/kg-day	5.90E-03
				Isopropylbenzene	5.50E-03	mg/L	3.25E-04	mg/kg-day	1.00E-01	mg/kg-day	3.25E-03
				Lead	7.38E-03	mg/L	1.06E-06	mg/kg-day	--	--	--
				m,p-Xylene	1.32E-02	mg/L	4.48E-04	mg/kg-day	2.00E-01	mg/kg-day	2.24E-03
				Manganese	9.91E+00	mg/L	5.35E-03	mg/kg-day	2.40E-02	mg/kg-day	2.23E-01
				Mercury	4.40E-05	mg/L	1.86E-08	mg/kg-day	2.10E-05	mg/kg-day	8.84E-04
				Methylene chloride	9.90E-03	mg/L	1.86E-05	mg/kg-day	6.00E-02	mg/kg-day	3.11E-04
				Methyl-T-Butyl-Ether	6.97E-03	mg/L	7.56E-06	mg/kg-day	8.60E-01	mg/kg-day	8.79E-06
				Molybdenum	7.50E-02	mg/L	2.28E-05	mg/kg-day	5.00E-03	mg/kg-day	4.56E-03
				Naphthalene	3.35E-02	mg/L	9.81E-04	mg/kg-day	2.00E-02	mg/kg-day	4.90E-02
				n-Butylbenzene	2.40E-03	mg/L	1.42E-04	mg/kg-day	4.00E-02	mg/kg-day	3.54E-03
				Nickel	1.83E-01	mg/L	2.54E-05	mg/kg-day	8.00E-04	mg/kg-day	3.17E-02
				n-Propylbenzene	1.22E-02	mg/L	7.22E-04	mg/kg-day	--	mg/kg-day	--
				o-Xylene	6.86E-03	mg/L	2.04E-04	mg/kg-day	2.00E-01	mg/kg-day	1.02E-03
				Phenanthrene	2.00E-03	mg/L	1.93E-04	mg/kg-day	3.00E-01	mg/kg-day	6.44E-04
				Phenol	6.60E-03	mg/L	1.54E-05	mg/kg-day	3.00E-01	mg/kg-day	5.13E-05
				p-Isopropyltoluene	8.00E-04	mg/L	4.73E-05	mg/kg-day	--	mg/kg-day	--
				Pyrene	3.00E-03	mg/L	4.10E-04	mg/kg-day	3.00E-02	mg/kg-day	1.37E-02
				sec-Butylbenzene	5.00E-04	mg/L	2.95E-05	mg/kg-day	--	mg/kg-day	--

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Domestic Use of Groundwater (Cont.)	Dermal (bathing/ showering) (Cont.)	Selenium	1.08E-02	mg/L	4.12E-06	mg/kg-day	1.50E-03	mg/kg-day	2.74E-03
				Silver	5.48E-03	mg/L	1.41E-06	mg/kg-day	2.00E-04	mg/kg-day	7.04E-03
				Tert-Butanol	4.21E-01	mg/L	3.37E-04	mg/kg-day	--	mg/kg-day	--
				tert-Butylbenzene	3.00E-04	mg/L	1.77E-05	mg/kg-day	4.00E-02	mg/kg-day	4.43E-04
				Tetrachloroethene	5.84E-03	mg/L	1.19E-04	mg/kg-day	1.00E-02	mg/kg-day	1.19E-02
				Thallium	8.12E-03	mg/L	3.42E-06	mg/kg-day	6.60E-05	mg/kg-day	5.19E-02
				Toluene	6.35E-03	mg/L	1.21E-04	mg/kg-day	2.00E-01	mg/kg-day	6.07E-04
				trans-1,2-Dichloroethene	1.16E-02	mg/L	2.36E-04	mg/kg-day	2.00E-02	mg/kg-day	1.18E-02
				Trichloroethene	1.00E+00	mg/L	6.63E-03	mg/kg-day	3.00E-04	mg/kg-day	2.21E+01
				Vanadium	2.85E-02	mg/L	1.63E-05	mg/kg-day	1.82E-04	mg/kg-day	8.93E-02
				Vinyl chloride	2.54E-02	mg/L	1.21E-04	mg/kg-day	3.00E-03	mg/kg-day	4.03E-02
				Xylene (Total)	1.75E-02	mg/L	5.92E-04	mg/kg-day	2.00E-01	mg/kg-day	2.96E-03
				Zinc	1.50E-01	mg/L	2.16E-05	mg/kg-day	3.00E-01	mg/kg-day	7.20E-05
			Exposure Route Total								**2.38E+01**
		Exposure Point Total									**3.01E+02**
	Exposure Medium Total										**3.01E+02**
	Air	Domestic Use of Groundwater Indoors	Inhalation (bathing/ showering)	1,1,1-Trichloroethane	2.23E-02	mg/l	3.00E-04	mg/kg-day	6.30E-01	mg/kg-day	4.75E-04
				1,1,2-Trichloroethane	1.06E-02	mg/l	1.42E-04	mg/kg-day	4.00E-03	mg/kg-day	3.55E-02
				1,1-Dichlorethane	1.08E-01	mg/l	1.45E-03	mg/kg-day	1.40E-01	mg/kg-day	1.04E-02
				1,1-Dichlorethene	5.89E-01	mg/l	7.91E-03	mg/kg-day	5.71E-02	mg/kg-day	1.38E-01
				1,2,4-Trimethylbenzene	1.13E-02	mg/l	1.52E-04	mg/kg-day	1.70E-03	mg/kg-day	8.93E-02
				1,2-Dichlorobenzene	1.34E-02	mg/l	1.79E-04	mg/kg-day	5.70E-02	mg/kg-day	3.15E-03
				1,2-Dichlorethane	1.25E-02	mg/l	1.68E-04	mg/kg-day	6.86E-01	mg/kg-day	2.44E-04
				1,2-Dichlorethene (Total)	2.94E-01	mg/l	3.94E-03	mg/kg-day	1.00E-02	mg/kg-day	3.94E-01
				1,2-Dichloropropane	1.00E-04	mg/l	1.34E-06	mg/kg-day	1.10E-03	mg/kg-day	1.22E-03
				1,3,5-Trimethylbenzene	1.06E-02	mg/l	1.43E-04	mg/kg-day	1.70E-03	mg/kg-day	8.39E-02
				1,3-Dichlorobenzene	4.50E-03	mg/l	6.04E-05	mg/kg-day	3.00E-02	mg/kg-day	2.01E-03
				1,4-Dichlorobenzene	6.42E-03	mg/l	8.62E-05	mg/kg-day	2.29E-01	mg/kg-day	3.77E-04
				2-Butanone	7.10E-02	mg/l	9.53E-04	mg/kg-day	1.43E+00	mg/kg-day	6.67E-04
				2-Hexanone	2.00E-03	mg/l	2.68E-05	mg/kg-day	8.60E-01	mg/kg-day	3.12E-05
				2-MethylNaphthalene	7.00E-04	mg/l	9.40E-06	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	2.90E-02	mg/l	3.89E-04	mg/kg-day	8.60E-01	mg/kg-day	4.53E-04

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	
Groundwater (Cont.)	Air (Cont.)	Domestic Use of Groundwater Indoors (Cont.)	Inhalation (bathing/ showering) (Cont.)	Acenaphthene	2.00E-03	mg/l	2.68E-05	mg/kg-day	6.00E-02	mg/kg-day	4.47E-04
				Acenaphthylene	2.00E-03	mg/l	2.68E-05	mg/kg-day	6.00E-02	mg/kg-day	4.47E-04
				Acetone	1.65E+00	mg/l	2.22E-02	mg/kg-day	9.00E-01	mg/kg-day	2.47E-02
				Benzene	1.59E-02	mg/l	2.13E-04	mg/kg-day	8.57E-03	mg/kg-day	2.49E-02
				Bromodichloromethane	7.10E-03	mg/l	9.53E-05	mg/kg-day	2.00E-02	mg/kg-day	4.77E-03
				Carbon disulfide	7.53E-03	mg/l	1.01E-04	mg/kg-day	2.00E-01	mg/kg-day	5.05E-04
				Chlorobenzene	6.07E-03	mg/l	8.15E-05	mg/kg-day	1.71E-02	mg/kg-day	4.76E-03
				Chloroethane	1.23E-02	mg/l	1.66E-04	mg/kg-day	2.90E+00	mg/kg-day	5.72E-05
				Chloroform	7.44E-03	mg/l	9.99E-05	mg/kg-day	1.40E-04	mg/kg-day	7.14E-01
				Chloromethane	7.26E-03	mg/l	9.75E-05	mg/kg-day	2.57E-02	mg/kg-day	3.79E-03
				cis-1,2-Dichloroethene	5.55E-02	mg/l	7.45E-04	mg/kg-day	1.00E-02	mg/kg-day	7.45E-02
				Cyanide	6.60E-02	mg/l	8.86E-04	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	7.18E-03	mg/l	9.65E-05	mg/kg-day	2.86E-01	mg/kg-day	3.38E-04
				Fluorene	1.00E-03	mg/l	1.34E-05	mg/kg-day	4.00E-02	mg/kg-day	3.36E-04
				Hexachlorobutadiene	4.00E-04	mg/l	5.37E-06	mg/kg-day	3.00E-04	mg/kg-day	1.79E-02
				Isopropylbenzene	5.50E-03	mg/l	7.38E-05	mg/kg-day	1.10E-01	mg/kg-day	6.71E-04
				m,p-Xylene	1.32E-02	mg/l	1.78E-04	mg/kg-day	2.86E-02	mg/kg-day	6.22E-03
				Methylene Chloride	9.90E-03	mg/l	1.33E-04	mg/kg-day	8.57E-01	mg/kg-day	1.55E-04
				Methyl-T-Butyl-ether	6.97E-03	mg/l	9.36E-05	mg/kg-day	8.57E-01	mg/kg-day	1.09E-04
				Naphthalene	3.35E-02	mg/l	4.50E-04	mg/kg-day	8.57E-04	mg/kg-day	5.24E-01
				n-Butylbenzene	2.40E-03	mg/l	3.22E-05	mg/kg-day	1.14E-02	mg/kg-day	2.82E-03
				n-propylbenzene	1.22E-02	mg/l	1.64E-04	mg/kg-day	4.00E-02	mg/kg-day	4.10E-03
				o-Xylene	6.86E-03	mg/l	9.21E-05	mg/kg-day	2.86E-02	mg/kg-day	3.22E-03
				Phenanthrene	2.00E-03	mg/l	2.68E-05	mg/kg-day	3.00E-01	mg/kg-day	8.95E-05
				Pyrene	3.00E-03	mg/l	4.03E-05	mg/kg-day	3.00E-02	mg/kg-day	1.34E-03
				sec-Butylbenzene	5.00E-04	mg/l	6.71E-06	mg/kg-day	1.14E-02	mg/kg-day	5.87E-04
				tert-Butylbenzene	3.00E-04	mg/l	4.03E-06	mg/kg-day	1.14E-02	mg/kg-day	3.52E-04
				trans-1,2-Dichloroethene	1.16E-02	mg/l	1.56E-04	mg/kg-day	2.00E-02	mg/kg-day	7.79E-03
				Tetrachloroethene	5.84E-03	mg/l	7.85E-05	mg/kg-day	1.71E-01	mg/kg-day	4.58E-04
				Toluene	6.35E-03	mg/l	8.52E-05	mg/kg-day	1.14E-01	mg/kg-day	7.46E-04
				Trichloroethene	1.00E+00	mg/l	1.34E-02	mg/kg-day	1.00E-02	mg/kg-day	1.34E+00
				Vinyl chloride	2.54E-02	mg/l	3.41E-04	mg/kg-day	2.86E-02	mg/kg-day	1.19E-02

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater (Cont.)	Air (Cont.)	Domestic Use GW Indoors	Inhal. (b & s)	Xylene (Total)	1.75E-02	mg/l	2.35E-04	mg/kg-day	2.86E-02	mg/kg-day	8.22E-03
			Exposure Route Total								**3.55E+00**
		Exposure Point Total									**3.55E+00**
		Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-03	mg/m3	1.30E-03	mg/kg-day	6.30E-01	mg/kg-day	2.06E-03
				1,1,2-Trichloroethane	4.59E-05	mg/m3	2.95E-05	mg/kg-day	4.00E-03	mg/kg-day	7.39E-03
				1,1-Dichlorethane	3.16E-03	mg/m3	2.04E-03	mg/kg-day	1.40E-01	mg/kg-day	1.45E-02
				1,1-Dichlorethene	9.92E-02	mg/m3	6.39E-02	mg/kg-day	5.71E-02	mg/kg-day	1.12E+00
				1,2,4-Trimethylbenzene	2.33E-04	mg/m3	1.50E-04	mg/kg-day	1.70E-03	mg/kg-day	8.85E-02
				1,2-Dichlorobenzene	9.49E-05	mg/m3	6.12E-05	mg/kg-day	5.70E-02	mg/kg-day	1.07E-03
				1,2-Dichlorethane	7.70E-05	mg/m3	4.96E-05	mg/kg-day	6.86E-01	mg/kg-day	7.24E-05
				1,2-Dichlorethene (Total)	6.08E-03	mg/m3	3.92E-03	mg/kg-day	1.00E-02	mg/kg-day	3.92E-01
				1,2-Dichloropropane	1.41E-06	mg/m3	9.06E-07	mg/kg-day	1.10E-03	mg/kg-day	8.24E-04
				1,3,5-Trimethylbenzene	2.08E-04	mg/m3	1.34E-04	mg/kg-day	1.70E-03	mg/kg-day	7.90E-02
				1,3-Dichlorobenzene	5.39E-05	mg/m3	3.47E-05	mg/kg-day	3.00E-02	mg/kg-day	1.16E-03
				1,4-Dichlorobenzene	5.92E-05	mg/m3	3.81E-05	mg/kg-day	2.29E-01	mg/kg-day	1.67E-04
				2-Butanone	2.35E-05	mg/m3	1.52E-05	mg/kg-day	1.43E+00	mg/kg-day	1.06E-05
				2-Hexanone	1.31E-06	mg/m3	8.46E-07	mg/kg-day	8.60E-01	mg/kg-day	9.83E-07
				2-MethylNaphthalene	8.28E-07	mg/m3	5.33E-07	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-05	mg/m3	1.23E-05	mg/kg-day	8.60E-01	mg/kg-day	1.43E-05
				Acenaphthene	6.52E-07	mg/m3	4.20E-07	mg/kg-day	6.00E-02	mg/kg-day	7.00E-06
				Acenaphthylene	6.52E-07	mg/m3	4.20E-07	mg/kg-day	6.00E-02	mg/kg-day	7.00E-06
				Acetone	5.45E-04	mg/m3	3.51E-04	mg/kg-day	9.00E-01	mg/kg-day	3.90E-04
				Benzene	5.01E-04	mg/m3	3.23E-04	mg/kg-day	8.57E-03	mg/kg-day	3.77E-02
				Bromodichloromethane	2.55E-05	mg/m3	1.65E-05	mg/kg-day	2.00E-02	mg/kg-day	8.23E-04
				Carbon disulfide	1.61E-03	mg/m3	1.04E-03	mg/kg-day	2.00E-01	mg/kg-day	5.18E-03
				Chlorobenzene	9.89E-05	mg/m3	6.37E-05	mg/kg-day	1.71E-02	mg/kg-day	3.72E-03
				Chloroethane	1.47E-03	mg/m3	9.46E-04	mg/kg-day	2.90E+00	mg/kg-day	3.26E-04
				Chloroform	1.82E-04	mg/m3	1.17E-04	mg/kg-day	1.40E-04	mg/kg-day	8.39E-01
				Chloromethane	5.88E-04	mg/m3	3.79E-04	mg/kg-day	2.57E-02	mg/kg-day	1.47E-02
				cis-1,2-Dichloroethene	1.15E-03	mg/m3	7.41E-04	mg/kg-day	1.00E-02	mg/kg-day	7.41E-02
				Cyanide	9.60E-05	mg/m3	6.18E-05	mg/kg-day	--	mg/kg-day	--
				Ethylbenzene	2.48E-04	mg/m3	1.60E-04	mg/kg-day	2.86E-01	mg/kg-day	5.60E-04

TABLE F-7.4.8.RME
EPA RAGS PART D TABLE 7b
CALCULATION OF RME CHEMICAL NONCANCER HAZARDS
HYPOTHETICAL FUTURE REDEVELOPED CHILD RESIDENT
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future Redeveloped
Receptor Population:	Resident
Receptor Age:	Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	
Groundwater	Air	Indoor Air	Inhalation	Fluorene	1.34E-07	mg/m3	8.64E-08	mg/kg-day	4.00E-02	mg/kg-day	2.16E-06
(Cont.)	(Cont.)	(Cont.)	(Vapor Intrusion)	Hexachlorobutadiene	9.57E-06	mg/m3	6.17E-06	mg/kg-day	3.00E-04	mg/kg-day	2.06E-02
			(Cont.)	Isopropylbenzene	2.12E-02	mg/m3	1.37E-02	mg/kg-day	1.10E-01	mg/kg-day	1.24E-01
				m,p-Xylene	4.52E-04	mg/m3	2.91E-04	mg/kg-day	2.86E-02	mg/kg-day	1.02E-02
				Methylene Chloride	1.47E-04	mg/m3	9.46E-05	mg/kg-day	8.57E-01	mg/kg-day	1.10E-04
				Methyl-T-Butyl-ether	2.95E-05	mg/m3	1.90E-05	mg/kg-day	8.57E-01	mg/kg-day	2.22E-05
				Naphthalene	5.03E-05	mg/m3	3.24E-05	mg/kg-day	8.57E-04	mg/kg-day	3.78E-02
				n-Butylbenzene	9.94E-05	mg/m3	6.41E-05	mg/kg-day	1.14E-02	mg/kg-day	5.61E-03
				n-propylbenzene	4.44E-04	mg/m3	2.86E-04	mg/kg-day	4.00E-02	mg/kg-day	7.15E-03
				o-Xylene	1.73E-04	mg/m3	1.11E-04	mg/kg-day	2.86E-02	mg/kg-day	3.90E-03
				Phenanthrene	1.75E-07	mg/m3	1.13E-07	mg/kg-day	3.00E-01	mg/kg-day	3.77E-07
				Pyrene	6.77E-08	mg/m3	4.36E-08	mg/kg-day	3.00E-02	mg/kg-day	1.45E-06
				sec-Butylbenzene	5.50E-08	mg/m3	3.54E-08	mg/kg-day	1.14E-02	mg/kg-day	3.10E-06
				tert-Butylbenzene	1.30E-05	mg/m3	8.37E-06	mg/kg-day	1.14E-02	mg/kg-day	7.32E-04
				trans-1,2-Dichloroethene	9.43E-04	mg/m3	6.08E-04	mg/kg-day	2.00E-02	mg/kg-day	3.04E-02
				Tetrachloroethene	4.75E-04	mg/m3	3.06E-04	mg/kg-day	1.71E-01	mg/kg-day	1.78E-03
				Toluene	2.22E-04	mg/m3	1.43E-04	mg/kg-day	1.14E-01	mg/kg-day	1.25E-03
				Trichloroethene	5.23E-02	mg/m3	3.37E-02	mg/kg-day	1.00E-02	mg/kg-day	3.37E+00
				Vinyl chloride	5.47E-03	mg/m3	3.52E-03	mg/kg-day	2.86E-02	mg/kg-day	1.23E-01
				Xylene (Total)	5.96E-04	mg/m3	3.84E-04	mg/kg-day	2.86E-02	mg/kg-day	1.35E-02
			Exposure Route Total								**6.43E+00**
		Exposure Point Total									**6.43E+00**
	Exposure Medium Total										**9.98E+00**
Medium Total											**3.11E+02**
										Total of Receptor Hazards Across All Media	**3.14E+02**

Notes:

--	Not applicable or not available	mg/L	Milligrams per liter
EPA	U.S. Environmental Protection Agency	mg/m^3	Milligrams per cubic meter
EPC	Exposure point concentration	RAGS	Risk Assessment Guidance for Superfund
ft bgs	Feet below ground surface	RfD	Reference dose
mg/kg	Milligrams per kilogram	RfC	Reference concentration
mg/kg-day	Milligrams per kilogram per day	RME	Reasonable maximum exposure

(a) See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-8.4.1.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
CURRENT INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Ingestion	2-Methylnaphthalene	1.84E-02	mg/kg	6.43E-09	mg/kg-day	--	--	--
				4,4'-DDD	1.20E-02	mg/kg	4.19E-09	mg/kg-day	2.40E-01	(mg/kg-day)-1	1.01E-09
				4,4'-DDT	5.80E-02	mg/kg	2.03E-08	mg/kg-day	3.40E-01	(mg/kg-day)-1	6.89E-09
				Acenaphthene	1.00E-02	mg/kg	3.49E-09	mg/kg-day	--	--	--
				Acenaphthylene	2.10E-03	mg/kg	7.34E-10	mg/kg-day	--	--	--
				Acetone	5.00E-03	mg/kg	1.75E-09	mg/kg-day	--	--	--
				Aluminum	1.47E+04	mg/kg	5.13E-03	mg/kg-day	--	--	--
				Anthracene	1.52E-02	mg/kg	5.31E-09	mg/kg-day	--	--	--
				Antimony	5.73E+00	mg/kg	2.00E-06	mg/kg-day	--	--	--
				Aroclor-1260	1.40E-01	mg/kg	4.89E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	9.78E-08
				Arsenic	2.00E+01	mg/kg	6.99E-06	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.05E-05
				Barium	2.33E+02	mg/kg	8.13E-05	mg/kg-day	--	--	--
				Benzo(a)anthracene	3.31E-02	mg/kg	1.16E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	8.44E-09
				Benzo(a)pyrene	4.33E-02	mg/kg	1.51E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.10E-07
				Benzo(b)fluoranthene	1.92E-02	mg/kg	6.71E-09	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.90E-09
				Benzo(g,h,i)perylene	2.48E-02	mg/kg	8.65E-09	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.58E-02	mg/kg	9.01E-09	mg/kg-day	7.30E-02	(mg/kg-day)-1	6.57E-10
				Beryllium	2.50E+00	mg/kg	8.74E-07	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	5.20E-02	mg/kg	1.82E-08	mg/kg-day	1.40E-02	(mg/kg-day)-1	2.54E-10
				Cadmium	9.50E+00	mg/kg	3.32E-06	mg/kg-day	--	--	--
				Chromium	3.56E+01	mg/kg	1.24E-05	mg/kg-day	--	--	--
				Chrysene	7.03E-02	mg/kg	2.46E-08	mg/kg-day	7.30E-03	(mg/kg-day)-1	1.79E-10
				Cobalt	1.47E+01	mg/kg	5.15E-06	mg/kg-day	--	--	--
				Copper	6.64E+01	mg/kg	2.32E-05	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.71E-02	mg/kg	5.97E-09	mg/kg-day	7.30E+00	(mg/kg-day)-1	4.36E-08
				di-n-Butylphthalate	7.10E-02	mg/kg	2.48E-08	mg/kg-day	--	(mg/kg-day)-1	--
				Fluoranthene	2.33E-02	mg/kg	8.13E-09	mg/kg-day	--	--	--
				Fluorene	2.00E-02	mg/kg	7.00E-09	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	3.82E-02	mg/kg	1.33E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	9.74E-09
				Iron	2.55E+04	mg/kg	8.91E-03	mg/kg-day	--	--	--
				Lead	1.32E+02	mg/kg	4.62E-05	mg/kg-day	--	--	--

TABLE F-8.4.1.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
CURRENT INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Ingestion	Manganese	4.87E+02	mg/kg	1.70E-04	mg/kg-day	--	--	--
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Mercury	1.26E+00	mg/kg	4.42E-07	mg/kg-day	--	--	--
				Molybdenum	2.80E+00	mg/kg	9.78E-07	mg/kg-day	--	--	--
				Naphthalene	1.62E-02	mg/kg	5.65E-09	mg/kg-day	1.20E-01	(mg/kg-day)-1	6.79E-10
				Nickel	2.99E+01	mg/kg	1.04E-05	mg/kg-day	--	--	--
				Phenanthrene	2.98E-02	mg/kg	1.04E-08	mg/kg-day	--	--	--
				Pyrene	3.12E-02	mg/kg	1.09E-08	mg/kg-day	--	--	--
				Silver	2.86E+00	mg/kg	1.00E-06	mg/kg-day	--	--	--
				Thallium	2.23E+00	mg/kg	7.78E-07	mg/kg-day	--	--	--
				Vanadium	5.83E+01	mg/kg	2.04E-05	mg/kg-day	--	--	--
				Zinc	1.12E+02	mg/kg	3.90E-05	mg/kg-day	--	--	--
			Exposure Route Total								1.08E-05
			Dermal	2-Methylnaphthalene	1.84E-02	mg/kg	4.2E-10	mg/kg-day	--	--	--
				4,4'-DDD	1.20E-02	mg/kg	2.8E-10	mg/kg-day	2.40E-01	(mg/kg-day)-1	6.64E-11
				4,4'-DDT	5.80E-02	mg/kg	4.0E-09	mg/kg-day	3.40E-01	(mg/kg-day)-1	1.36E-09
				Acenaphthene	1.00E-02	mg/kg	3.0E-09	mg/kg-day	--	--	--
				Acenaphthylene	2.10E-03	mg/kg	4.8E-11	mg/kg-day	--	--	--
				Acetone	5.00E-03	mg/kg	1.2E-10	mg/kg-day	--	--	--
				Aluminum	1.47E+04	mg/kg	3.4E-05	mg/kg-day	--	--	--
				Anthracene	1.52E-02	mg/kg	4.6E-09	mg/kg-day	--	--	--
				Antimony	5.73E+00	mg/kg	1.3E-08	mg/kg-day	--	--	--
				Aroclor-1260	1.40E-01	mg/kg	4.5E-08	mg/kg-day	2.00E+00	(mg/kg-day)-1	9.04E-08
				Arsenic	2.00E+01	mg/kg	1.4E-06	mg/kg-day	1.50E+00	(mg/kg-day)-1	2.08E-06
				Barium	2.33E+02	mg/kg	5.4E-07	mg/kg-day	--	--	--
				Benzo(a)anthracene	3.31E-02	mg/kg	9.9E-09	mg/kg-day	7.30E-01	(mg/kg-day)-1	7.24E-09
				Benzo(a)pyrene	4.33E-02	mg/kg	1.3E-08	mg/kg-day	7.30E+00	(mg/kg-day)-1	9.48E-08
				Benzo(b)fluoranthene	1.92E-02	mg/kg	5.8E-09	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.21E-09
				Benzo(g,h,i)perylene	2.48E-02	mg/kg	7.4E-09	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.58E-02	mg/kg	7.7E-09	mg/kg-day	7.30E-02	(mg/kg-day)-1	5.64E-10
				Beryllium	2.50E+00	mg/kg	5.8E-09	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	5.20E-02	mg/kg	1.2E-09	mg/kg-day	--	(mg/kg-day)-1	--

TABLE F-8.4.1.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
CURRENT INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Dermal	Cadmium	9.50E+00	mg/kg	2.2E-08	mg/kg-day	--	--	--
(Cont.)	(Cont.)	(Cont.)	(Cont.)	Chromium	3.56E+01	mg/kg	8.2E-08	mg/kg-day	--	--	--
				Chrysene	7.03E-02	mg/kg	2.1E-08	mg/kg-day	7.30E-03	(mg/kg-day)-1	1.54E-10
				Cobalt	1.47E+01	mg/kg	3.4E-08	mg/kg-day	--	--	--
				Copper	6.64E+01	mg/kg	1.5E-07	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.71E-02	mg/kg	5.1E-09	mg/kg-day	7.30E+00	(mg/kg-day)-1	3.74E-08
				di-n-Butylphthalate	7.10E-02	mg/kg	1.6E-09	mg/kg-day	--	(mg/kg-day)-1	--
				Fluoranthene	2.33E-02	mg/kg	7.0E-09	mg/kg-day	--	--	--
				Fluorene	2.00E-02	mg/kg	6.0E-09	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	3.82E-02	mg/kg	1.1E-08	mg/kg-day	7.30E-01	(mg/kg-day)-1	8.36E-09
				Iron	2.55E+04	mg/kg	5.9E-05	mg/kg-day	--	--	--
				Lead	1.32E+02	mg/kg	3.0E-07	mg/kg-day	--	--	--
				Manganese	4.87E+02	mg/kg	1.1E-06	mg/kg-day	--	--	--
				Mercury	1.26E+00	mg/kg	--	mg/kg-day	--	--	--
				Molybdenum	2.80E+00	mg/kg	6.5E-09	mg/kg-day	--	--	--
				Naphthalene	1.62E-02	mg/kg	4.9E-09	mg/kg-day	1.20E-01	(mg/kg-day)-1	5.82E-10
				Nickel	2.99E+01	mg/kg	6.9E-08	mg/kg-day	--	--	--
				Phenanthrene	2.98E-02	mg/kg	6.9E-10	mg/kg-day	--	--	--
				Pyrene	3.12E-02	mg/kg	9.3E-09	mg/kg-day	--	--	--
				Silver	2.86E+00	mg/kg	6.6E-09	mg/kg-day	--	--	--
				Thallium	2.23E+00	mg/kg	--	mg/kg-day	--	--	--
				Vanadium	5.83E+01	mg/kg	1.3E-07	mg/kg-day	--	--	--
				Zinc	1.12E+02	mg/kg	2.6E-07	mg/kg-day	--	--	--
			Exposure Route Total								2.32E-06
		Exposure Point Total									1.31E-05
	Exposure Medium Total										1.31E-05

TABLE F-8.4.1.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
CURRENT INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Air	Outdoor Air	Inhalation (particulates or VOCs)	2-Methylnaphthalene	1.30E-07	mg/m^3	9.1E-09	mg/kg-day	--	--	--
				4,4'-DDD	9.09E-12	mg/m^3	6.4E-13	mg/kg-day	2.40E-01	(mg/kg-day)-1	1.52E-13
				4,4'-DDT	4.39E-11	mg/m^3	3.1E-12	mg/kg-day	3.40E-01	(mg/kg-day)-1	1.04E-12
				Acenaphthene	5.56E-08	mg/m^3	3.9E-09	mg/kg-day	--	--	--
				Acenaphthylene	1.17E-08	mg/m^3	8.2E-10	mg/kg-day	--	--	--
				Acetone	3.97E-07	mg/m^3	2.8E-08	mg/kg-day	--	--	--
				Aluminum	1.11E-05	mg/m^3	7.8E-07	mg/kg-day	--	--	--
				Anthracene	2.17E-08	mg/m^3	1.5E-09	mg/kg-day	--	--	--
				Antimony	4.34E-09	mg/m^3	3.0E-10	mg/kg-day	--	--	--
				Aroclor-1260	1.06E-10	mg/m^3	7.4E-12	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.48E-11
				Arsenic	1.52E-08	mg/m^3	1.1E-09	mg/kg-day	1.50E+01	(mg/kg-day)-1	1.59E-08
				Barium	1.76E-07	mg/m^3	1.2E-08	mg/kg-day	--	--	--
				Benzo(a)anthracene	2.51E-11	mg/m^3	1.8E-12	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.28E-12
				Benzo(a)pyrene	3.28E-11	mg/m^3	2.3E-12	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.67E-11
				Benzo(b)fluoranthene	1.46E-11	mg/m^3	1.0E-12	mg/kg-day	7.30E-01	(mg/kg-day)-1	7.43E-13
				Benzo(g,h,i)perylene	1.88E-11	mg/m^3	1.3E-12	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	1.95E-11	mg/m^3	1.4E-12	mg/kg-day	7.30E-02	(mg/kg-day)-1	9.96E-14
				Beryllium	1.89E-09	mg/m^3	1.3E-10	mg/kg-day	8.40E+00	(mg/kg-day)-1	1.11E-09
				bis(2-ethylhexyl)phthalate	3.94E-11	mg/m^3	2.8E-12	mg/kg-day	1.40E-02	(mg/kg-day)-1	3.85E-14
				Cadmium	7.20E-09	mg/m^3	5.0E-10	mg/kg-day	6.30E+00	(mg/kg-day)-1	3.17E-09
				Chromium	2.70E-08	mg/m^3	1.9E-09	mg/kg-day	--	--	--
				Chrysene	5.32E-11	mg/m^3	3.7E-12	mg/kg-day	7.30E-03	(mg/kg-day)-1	2.72E-14
				Cobalt	1.12E-08	mg/m^3	7.8E-10	mg/kg-day	9.80E+00	(mg/kg-day)-1	7.64E-09
				Copper	5.03E-08	mg/m^3	3.5E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.29E-11	mg/m^3	9.0E-13	mg/kg-day	7.30E+00	(mg/kg-day)-1	6.60E-12
				di-n-Butylphthalate	5.38E-11	mg/m^3	3.8E-12	mg/kg-day	--	--	--
				Fluoranthene	1.76E-11	mg/m^3	1.2E-12	mg/kg-day	--	--	--
				Fluorene	5.56E-08	mg/m^3	3.9E-09	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.89E-11	mg/m^3	2.0E-12	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.48E-12
				Iron	1.93E-05	mg/m^3	1.3E-06	mg/kg-day	--	--	--
				Lead	1.00E-07	mg/m^3	7.0E-09	mg/kg-day	--	--	--

TABLE F-8.4.1.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
CURRENT INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Air (Cont.)	Outdoor Air (Cont.)	Inhalation (particulates or VOCs) (Cont.)	Manganese	3.69E-07	mg/m^3	2.6E-08	mg/kg-day	--	--	--
				Mercury	9.57E-10	mg/m^3	6.7E-11	mg/kg-day	--	--	--
				Molybdenum	2.12E-09	mg/m^3	1.5E-10	mg/kg-day	--	--	--
				Naphthalene	3.76E-07	mg/m^3	2.6E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	3.16E-09
				Nickel	2.26E-08	mg/m^3	1.6E-09	mg/kg-day	--	--	--
				Phenanthrene	1.99E-08	mg/m^3	1.4E-09	mg/kg-day	--	--	--
				Pyrene	8.20E-09	mg/m^3	5.7E-10	mg/kg-day	--	--	--
				Silver	2.17E-09	mg/m^3	1.5E-10	mg/kg-day	--	--	--
				Thallium	1.69E-09	mg/m^3	1.2E-10	mg/kg-day	--	--	--
				Vanadium	4.42E-08	mg/m^3	3.1E-09	mg/kg-day	--	--	--
				Zinc	8.45E-08	mg/m^3	5.9E-09	mg/kg-day	--	--	--
			Exposure Route Total								**3.10E-08**
		Exposure Point Total									**3.10E-08**
	Exposure Medium Total										**3.10E-08**
Medium Total											**1.31E-05**
Groundwater	Groundwater	Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.01E-03	mg/m3	1.41E-04	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	4.59E-05	mg/m3	3.20E-06	mg/kg-day	5.60E-02	(mg/kg-day)-1	1.79E-07
				1,1-Dichlorethane	3.16E-03	mg/m3	2.21E-04	mg/kg-day	5.70E-03	(mg/kg-day)-1	1.26E-06
				1,1-Dichlorethene	9.92E-02	mg/m3	6.93E-03	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	2.33E-04	mg/m3	1.63E-05	mg/kg-day	--	--	--
				1,2-Dichlorobenzene	9.49E-05	mg/m3	6.63E-06	mg/kg-day	--	--	--
				1,2-Dichlorethane	7.70E-05	mg/m3	5.38E-06	mg/kg-day	9.10E-02	(mg/kg-day)-1	4.90E-07
				1,2-Dichlorethene (Total)	6.08E-03	mg/m3	4.25E-04	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.41E-06	mg/m3	9.83E-08	mg/kg-day	6.80E-02	(mg/kg-day)-1	6.68E-09
				1,3,5-Trimethylbenzene	2.08E-04	mg/m3	1.46E-05	mg/kg-day	--	--	--
				1,3-Dichlorobenzene	5.39E-05	mg/m3	3.77E-06	mg/kg-day	--	--	--
				1,4-Dichlorobenzene	5.92E-05	mg/m3	4.14E-06	mg/kg-day	2.20E-02	(mg/kg-day)-1	9.10E-08
				2-Butanone	2.35E-05	mg/m3	1.64E-06	mg/kg-day	--	--	--
				2-Hexanone	1.31E-06	mg/m3	9.17E-08	mg/kg-day	--	--	--
				2-MethylNaphthalene	8.28E-07	mg/m3	5.78E-08	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	1.90E-05	mg/m3	1.33E-06	mg/kg-day	--	--	--
				Acenaphthene	6.52E-07	mg/m3	4.56E-08	mg/kg-day	--	--	--
				Acenaphthylene	6.52E-07	mg/m3	4.56E-08	mg/kg-day	--	--	--
				Acetone	5.45E-04	mg/m3	3.81E-05	mg/kg-day	--	--	--
				Benzene	5.01E-04	mg/m3	3.50E-05	mg/kg-day	2.70E-02	(mg/kg-day)-1	9.45E-07

TABLE F-8.4.1.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
CURRENT INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Indoor Air (Cont.)	Inhalation (Vapor Intrusion) (Cont.)	Bromodichloromethane	2.55E-05	mg/m3	1.78E-06	mg/kg-day	6.20E-02	(mg/kg-day)-1	1.11E-07
				Carbon disulfide	1.61E-03	mg/m3	1.12E-04	mg/kg-day	--	--	--
				Chlorobenzene	9.89E-05	mg/m3	6.91E-06	mg/kg-day	--	--	--
				Chloroethane	1.47E-03	mg/m3	1.03E-04	mg/kg-day	2.90E-03	(mg/kg-day)-1	2.98E-07
				Chloroform	1.82E-04	mg/m3	1.27E-05	mg/kg-day	8.05E-02	(mg/kg-day)-1	1.03E-06
				Chloromethane	5.88E-04	mg/m3	4.11E-05	mg/kg-day	--	--	--
				cis-1,2-Dichloroethene	1.15E-03	mg/m3	8.03E-05	mg/kg-day	--	(mg/kg-day)-1	--
				Cyanide	9.60E-05	mg/m3	6.71E-06	mg/kg-day	--	--	--
				Ethylbenzene	2.48E-04	mg/m3	1.74E-05	mg/kg-day	--	--	--
				Fluorene	1.34E-07	mg/m3	9.37E-09	mg/kg-day	--	--	--
				Hexachlorobutadiene	9.57E-06	mg/m3	6.69E-07	mg/kg-day	7.80E-02	(mg/kg-day)-1	5.22E-08
				Isopropylbenzene	2.12E-02	mg/m3	1.48E-03	mg/kg-day	--	--	--
				m,p-Xylene	4.52E-04	mg/m3	3.16E-05	mg/kg-day	--	--	--
				Methylene Chloride	1.47E-04	mg/m3	1.03E-05	mg/kg-day	1.65E-03	(mg/kg-day)-1	1.69E-08
				Methyl-T-Butyl-ether	2.95E-05	mg/m3	2.07E-06	mg/kg-day	9.10E-04	(mg/kg-day)-1	1.88E-09
				Naphthalene	5.03E-05	mg/m3	3.51E-06	mg/kg-day	1.20E-01	(mg/kg-day)-1	4.22E-07
				n-Butylbenzene	9.94E-05	mg/m3	6.95E-06	mg/kg-day	--	--	--
				n-propylbenzene	4.44E-04	mg/m3	3.10E-05	mg/kg-day	--	--	--
				o-Xylene	1.73E-04	mg/m3	1.21E-05	mg/kg-day	--	--	--
				Phenanthrene	1.75E-07	mg/m3	1.23E-08	mg/kg-day	--	--	--
				Pyrene	6.77E-08	mg/m3	4.73E-09	mg/kg-day	--	--	--
				sec-Butylbenzene	5.50E-08	mg/m3	3.84E-09	mg/kg-day	--	--	--
				tert-Butylbenzene	1.30E-05	mg/m3	9.08E-07	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	9.43E-04	mg/m3	6.59E-05	mg/kg-day	--	--	--
				Tetrachloroethene	4.75E-04	mg/m3	3.32E-05	mg/kg-day	2.10E-02	(mg/kg-day)-1	6.97E-07
				Toluene	2.22E-04	mg/m3	1.55E-05	mg/kg-day	--	--	--
				Trichloroethene	5.23E-02	mg/m3	3.66E-03	mg/kg-day	4.00E-01	(mg/kg-day)-1	1.46E-03
				Vinyl chloride	5.47E-03	mg/m3	3.82E-04	mg/kg-day	1.60E-02	(mg/kg-day)-1	6.12E-06
				Xylene (Total)	5.96E-04	mg/m3	4.17E-05	mg/kg-day	--	--	--
			Exposure Route Total								1.47E-03
		Exposure Point Total									1.47E-03
	Exposure Medium Total										1.47E-03
Medium Total											1.47E-03
										Total of Receptor Hazards Across All Media	1.49E-03

TABLE F-8.4.1.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
CURRENT INDUSTRIAL WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Current
Receptor Population:	Industrial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	

Notes:

--	Not applicable or not available
CSF	Cancer slope factor
EPA	U.S. Environmental Protection Agency
EPC	Exposure point concentration
ft bgs	Feet below ground surface
mg/kg	Milligrams per kilogram
mg/kg-day	Milligrams per kilogram per day
(mg/kg-day)-1	1/(Milligrams per kilogram per day)
mg/L	Milligrams per liter
mg/m^3	Milligrams per cubic meter
RAGS	Risk Acceptance Guidance for Superfund
RME	Reasonable maximum exposure
VOC	Volatile organic compound

(a) See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.

TABLE F-8.4.2.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Soil	Site Soil	Ingestion	2-Methylnaphthalene	1.84E-02	mg/kg	8.49E-10	mg/kg-day	--	--	--
				4,4'-DDD	1.20E-02	mg/kg	5.54E-10	mg/kg-day	2.40E-01	(mg/kg-day)-1	1.33E-10
				4,4'-DDT	5.80E-02	mg/kg	2.68E-09	mg/kg-day	3.40E-01	(mg/kg-day)-1	9.10E-10
				Acenaphthene	1.00E-02	mg/kg	4.61E-10	mg/kg-day	--	--	--
				Acenaphthylene	2.10E-03	mg/kg	9.69E-11	mg/kg-day	--	--	--
				Acetone	5.00E-03	mg/kg	2.31E-10	mg/kg-day	--	--	--
				Aluminum	1.47E+04	mg/kg	6.78E-04	mg/kg-day	--	--	--
				Anthracene	1.52E-02	mg/kg	7.01E-10	mg/kg-day	--	--	--
				Antimony	5.73E+00	mg/kg	2.64E-07	mg/kg-day	--	--	--
				Aroclor-1260	1.40E-01	mg/kg	6.46E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	1.29E-08
				Arsenic	2.00E+01	mg/kg	9.23E-07	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.38E-06
				Barium	2.33E+02	mg/kg	1.07E-05	mg/kg-day	--	--	--
				Benzo(a)anthracene	3.31E-02	mg/kg	1.53E-09	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.11E-09
				Benzo(a)pyrene	4.33E-02	mg/kg	2.00E-09	mg/kg-day	7.30E+00	(mg/kg-day)-1	1.46E-08
				Benzo(b)fluoranthene	1.92E-02	mg/kg	8.86E-10	mg/kg-day	7.30E-01	(mg/kg-day)-1	6.47E-10
				Benzo(g,h,i)perylene	2.48E-02	mg/kg	1.14E-09	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.58E-02	mg/kg	1.19E-09	mg/kg-day	7.30E-02	(mg/kg-day)-1	8.68E-11
				Beryllium	2.50E+00	mg/kg	1.15E-07	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	5.20E-02	mg/kg	2.40E-09	mg/kg-day	1.40E-02	(mg/kg-day)-1	3.36E-11
				Cadmium	9.50E+00	mg/kg	4.38E-07	mg/kg-day	--	--	--
				Chromium	3.56E+01	mg/kg	1.64E-06	mg/kg-day	--	--	--
				Chrysene	7.03E-02	mg/kg	3.24E-09	mg/kg-day	7.30E-03	(mg/kg-day)-1	2.37E-11
				Cobalt	1.47E+01	mg/kg	6.79E-07	mg/kg-day	--	--	--
				Copper	6.64E+01	mg/kg	3.06E-06	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.71E-02	mg/kg	7.88E-10	mg/kg-day	7.30E+00	(mg/kg-day)-1	5.75E-09
				di-n-Butylphthalate	7.10E-02	mg/kg	3.28E-09	mg/kg-day	--	(mg/kg-day)-1	--
				Fluoranthene	2.33E-02	mg/kg	1.07E-09	mg/kg-day	--	--	--
				Fluorene	2.00E-02	mg/kg	9.24E-10	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	3.82E-02	mg/kg	1.76E-09	mg/kg-day	7.30E-01	(mg/kg-day)-1	1.29E-09
				Iron	2.55E+04	mg/kg	1.18E-03	mg/kg-day	--	--	--
				Lead	1.32E+02	mg/kg	6.09E-06	mg/kg-day	--	--	--
				Manganese	4.87E+02	mg/kg	2.25E-05	mg/kg-day	--	--	--

TABLE F-8.4.2.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Soil (Cont.)	Site Soil (Cont.)	Ingestion (Cont.)	Mercury	1.26E+00	mg/kg	5.83E-08	mg/kg-day	--	--	--
				Molybdenum	2.80E+00	mg/kg	1.29E-07	mg/kg-day	--	--	--
				Naphthalene	1.62E-02	mg/kg	7.46E-10	mg/kg-day	1.20E-01	(mg/kg-day)-1	8.96E-11
				Nickel	2.99E+01	mg/kg	1.38E-06	mg/kg-day	--	--	--
				Phenanthrene	2.98E-02	mg/kg	1.37E-09	mg/kg-day	--	--	--
				Pyrene	3.12E-02	mg/kg	1.44E-09	mg/kg-day	--	--	--
				Silver	2.86E+00	mg/kg	1.32E-07	mg/kg-day	--	--	--
				Thallium	2.23E+00	mg/kg	1.03E-07	mg/kg-day	--	--	--
				Vanadium	5.83E+01	mg/kg	2.69E-06	mg/kg-day	--	--	--
				Zinc	1.12E+02	mg/kg	5.15E-06	mg/kg-day	--	--	--
			Exposure Route Total								1.42E-06
			Dermal	2-Methylnaphthalene	1.84E-02	mg/kg	2.5E-11	mg/kg-day	--	--	--
				4,4'-DDD	1.20E-02	mg/kg	1.7E-11	mg/kg-day	2.40E-01	(mg/kg-day)-1	3.99E-12
				4,4'-DDT	5.80E-02	mg/kg	2.4E-10	mg/kg-day	3.40E-01	(mg/kg-day)-1	8.19E-11
				Acenaphthene	1.00E-02	mg/kg	1.8E-10	mg/kg-day	--	--	--
				Acenaphthylene	2.10E-03	mg/kg	2.9E-12	mg/kg-day	--	--	--
				Acetone	5.00E-03	mg/kg	6.9E-12	mg/kg-day	--	--	--
				Aluminum	1.47E+04	mg/kg	2.0E-06	mg/kg-day	--	--	--
				Anthracene	1.52E-02	mg/kg	2.7E-10	mg/kg-day	--	--	--
				Antimony	5.73E+00	mg/kg	7.9E-10	mg/kg-day	--	--	--
				Aroclor-1260	1.40E-01	mg/kg	2.7E-09	mg/kg-day	2.00E+00	(mg/kg-day)-1	5.42E-09
				Arsenic	2.00E+01	mg/kg	8.3E-08	mg/kg-day	1.50E+00	(mg/kg-day)-1	1.25E-07
				Barium	2.33E+02	mg/kg	3.2E-08	mg/kg-day	--	--	--
				Benzo(a)anthracene	3.31E-02	mg/kg	6.0E-10	mg/kg-day	7.30E-01	(mg/kg-day)-1	4.34E-10
				Benzo(a)pyrene	4.33E-02	mg/kg	7.8E-10	mg/kg-day	7.30E+00	(mg/kg-day)-1	5.69E-09
				Benzo(b)fluoranthene	1.92E-02	mg/kg	3.5E-10	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.52E-10
				Benzo(g,h,i)perylene	2.48E-02	mg/kg	4.5E-10	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	2.58E-02	mg/kg	4.6E-10	mg/kg-day	7.30E-02	(mg/kg-day)-1	3.38E-11
				Beryllium	2.50E+00	mg/kg	3.5E-10	mg/kg-day	--	--	--
				bis(2-ethylhexyl)phthalate	5.20E-02	mg/kg	7.2E-11	mg/kg-day	--	(mg/kg-day)-1	--
				Cadmium	9.50E+00	mg/kg	1.3E-09	mg/kg-day	--	--	--
				Chromium	3.56E+01	mg/kg	4.9E-09	mg/kg-day	--	--	--

TABLE F-8.4.2.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Soil (Cont.)	Site Soil (Cont.)	Dermal (Cont.)	Chrysene	7.03E-02	mg/kg	1.3E-09	mg/kg-day	7.30E-03	(mg/kg-day)-1	9.23E-12
				Cobalt	1.47E+01	mg/kg	2.0E-09	mg/kg-day	--	--	--
				Copper	6.64E+01	mg/kg	9.2E-09	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.71E-02	mg/kg	3.1E-10	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.24E-09
				di-n-Butylphthalate	7.10E-02	mg/kg	9.8E-11	mg/kg-day	--	(mg/kg-day)-1	--
				Fluoranthene	2.33E-02	mg/kg	4.2E-10	mg/kg-day	--	--	--
				Fluorene	2.00E-02	mg/kg	3.6E-10	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	3.82E-02	mg/kg	6.9E-10	mg/kg-day	7.30E-01	(mg/kg-day)-1	5.02E-10
				Iron	2.55E+04	mg/kg	3.5E-06	mg/kg-day	--	--	--
				Lead	1.32E+02	mg/kg	1.8E-08	mg/kg-day	--	--	--
				Manganese	4.87E+02	mg/kg	6.7E-08	mg/kg-day	--	--	--
				Mercury	1.26E+00	mg/kg	--	mg/kg-day	--	--	--
				Molybdenum	2.80E+00	mg/kg	3.9E-10	mg/kg-day	--	--	--
				Naphthalene	1.62E-02	mg/kg	2.9E-10	mg/kg-day	1.20E-01	(mg/kg-day)-1	3.49E-11
				Nickel	2.99E+01	mg/kg	4.1E-09	mg/kg-day	--	--	--
				Phenanthrene	2.98E-02	mg/kg	4.1E-11	mg/kg-day	--	--	--
				Pyrene	3.12E-02	mg/kg	5.6E-10	mg/kg-day	--	--	--
				Silver	2.86E+00	mg/kg	4.0E-10	mg/kg-day	--	--	--
				Thallium	2.23E+00	mg/kg	--	mg/kg-day	--	--	--
				Vanadium	5.83E+01	mg/kg	8.1E-09	mg/kg-day	--	--	--
				Zinc	1.12E+02	mg/kg	1.5E-08	mg/kg-day	--	--	--
			Exposure Route Total								**1.39E-07**
		Exposure Point Total									**1.56E-06**
	Exposure Medium Total										**1.56E-06**
	Air	Outdoor Air	Inhalation (particulates or VOCs)	2-Methylnaphthalene	1.30E-07	mg/m^3	3.6E-10	mg/kg-day	--	--	--
				4,4'-DDD	9.09E-12	mg/m^3	2.5E-14	mg/kg-day	2.40E-01	(mg/kg-day)-1	6.10E-15
				4,4'-DDT	4.39E-11	mg/m^3	1.2E-13	mg/kg-day	3.40E-01	(mg/kg-day)-1	4.18E-14
				Acenaphthene	5.56E-08	mg/m^3	1.6E-10	mg/kg-day	--	--	--
				Acenaphthylene	1.17E-08	mg/m^3	3.3E-11	mg/kg-day	--	--	--
				Acetone	3.97E-07	mg/m^3	1.1E-09	mg/kg-day	--	--	--
				Aluminum	1.11E-05	mg/m^3	3.1E-08	mg/kg-day	--	--	--
				Anthracene	2.17E-08	mg/m^3	6.1E-11	mg/kg-day	--	--	--

Continue

TABLE F-8.4.2.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs)	Air	Outdoor Air	Inhalation	Antimony	4.34E-09	mg/m^3	1.2E-11	mg/kg-day	--	--	--
(Cont.)	(Cont.)	(Cont.)	(particulates or	Aroclor-1260	1.06E-10	mg/m^3	3.0E-13	mg/kg-day	2.00E+00	(mg/kg-day)-1	5.93E-13
			VOCs)	Arsenic	1.52E-08	mg/m^3	4.2E-11	mg/kg-day	1.50E+01	(mg/kg-day)-1	6.35E-10
			(Cont.)	Barium	1.76E-07	mg/m^3	4.9E-10	mg/kg-day	--	--	--
				Benzo(a)anthracene	2.51E-11	mg/m^3	7.0E-14	mg/kg-day	7.30E-01	(mg/kg-day)-1	5.11E-14
				Benzo(a)pyrene	3.28E-11	mg/m^3	9.2E-14	mg/kg-day	7.30E+00	(mg/kg-day)-1	6.70E-13
				Benzo(b)fluoranthene	1.46E-11	mg/m^3	4.1E-14	mg/kg-day	7.30E-01	(mg/kg-day)-1	2.97E-14
				Benzo(g,h,i)perylene	1.88E-11	mg/m^3	5.2E-14	mg/kg-day	--	--	--
				Benzo(k)fluoranthene	1.95E-11	mg/m^3	5.5E-14	mg/kg-day	7.30E-02	(mg/kg-day)-1	3.98E-15
				Beryllium	1.89E-09	mg/m^3	5.3E-12	mg/kg-day	8.40E+00	(mg/kg-day)-1	4.45E-11
				bis(2-ethylhexyl)phthalate	3.94E-11	mg/m^3	1.1E-13	mg/kg-day	1.40E-02	(mg/kg-day)-1	1.54E-15
				Cadmium	7.20E-09	mg/m^3	2.0E-11	mg/kg-day	6.30E+00	(mg/kg-day)-1	1.27E-10
				Chromium	2.70E-08	mg/m^3	7.5E-11	mg/kg-day	--	--	--
				Chrysene	5.32E-11	mg/m^3	1.5E-13	mg/kg-day	7.30E-03	(mg/kg-day)-1	1.09E-15
				Cobalt	1.12E-08	mg/m^3	3.1E-11	mg/kg-day	9.80E+00	(mg/kg-day)-1	3.06E-10
				Copper	5.03E-08	mg/m^3	1.4E-10	mg/kg-day	--	--	--
				Dibenzo(a,h)anthracene	1.29E-11	mg/m^3	3.6E-14	mg/kg-day	7.30E+00	(mg/kg-day)-1	2.64E-13
				di-n-Butylphthalate	5.38E-11	mg/m^3	1.5E-13	mg/kg-day	--	--	--
				Fluoranthene	1.76E-11	mg/m^3	4.9E-14	mg/kg-day	--	--	--
				Fluorene	5.56E-08	mg/m^3	1.6E-10	mg/kg-day	--	--	--
				Indeno(1,2,3-cd)pyrene	2.89E-11	mg/m^3	8.1E-14	mg/kg-day	7.30E-01	(mg/kg-day)-1	5.91E-14
				Iron	1.93E-05	mg/m^3	5.4E-08	mg/kg-day	--	--	--
				Lead	1.00E-07	mg/m^3	2.8E-10	mg/kg-day	--	--	--
				Manganese	3.69E-07	mg/m^3	1.0E-09	mg/kg-day	--	--	--
				Mercury	9.57E-10	mg/m^3	2.7E-12	mg/kg-day	--	--	--
				Molybdenum	2.12E-09	mg/m^3	5.9E-12	mg/kg-day	--	--	--
				Naphthalene	3.76E-07	mg/m^3	1.1E-09	mg/kg-day	1.20E-01	(mg/kg-day)-1	1.26E-10
				Nickel	2.26E-08	mg/m^3	6.3E-11	mg/kg-day	--	--	--
				Phenanthrene	1.99E-08	mg/m^3	5.6E-11	mg/kg-day	--	--	--
				Pyrene	8.20E-09	mg/m^3	2.3E-11	mg/kg-day	--	--	--
				Silver	2.17E-09	mg/m^3	6.1E-12	mg/kg-day	--	--	--
				Thallium	1.69E-09	mg/m^3	4.7E-12	mg/kg-day	--	--	--

TABLE F-8.4.2.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Soil (0-2 ft bgs) (Cont.)	Air (Cont.)	Outdoor Air (Cont.)	Inhalation (Part. or VOCs)	Vanadium	4.42E-08	mg/m^3	1.2E-10	mg/kg-day	--	--	--
				Zinc	8.45E-08	mg/m^3	2.4E-10	mg/kg-day	--	--	--
			Exposure Route Total								1.24E-09
		Exposure Point Total									1.24E-09
	Exposure Medium Total										1.24E-09
Medium Total											1.56E-06
Groundwater	Groundwater	Indoor Air	Inhalation (Vapor Intrusion)	1,1,1-Trichloroethane	2.29E-04	mg/m3	6.41E-07	mg/kg-day	--	--	--
				1,1,2-Trichloroethane	5.81E-06	mg/m3	1.62E-08	mg/kg-day	5.60E-02	(mg/kg-day)-1	9.10E-10
				1,1-Dichlorethane	3.45E-04	mg/m3	9.66E-07	mg/kg-day	5.70E-03	(mg/kg-day)-1	5.50E-09
				1,1-Dichlorethene	1.06E-02	mg/m3	2.96E-05	mg/kg-day	--	--	--
				1,2,4-Trimethylbenzene	--	mg/m3	--	mg/kg-day	--	--	--
				1,2-Dichlorobenzene	1.35E-05	mg/m3	3.77E-08	mg/kg-day	--	--	--
				1,2-Dichlorethane	9.78E-06	mg/m3	2.73E-08	mg/kg-day	9.10E-02	(mg/kg-day)-1	2.49E-09
				1,2-Dichlorethene (Total)	2.96E-04	mg/m3	8.27E-07	mg/kg-day	--	--	--
				1,2-Dichloropropane	1.68E-07	mg/m3	4.70E-10	mg/kg-day	6.80E-02	(mg/kg-day)-1	3.19E-11
				1,3,5-Trimethylbenzene	--	mg/m3	--	mg/kg-day	--	--	--
				1,3-Dichlorobenzene	5.79E-06	mg/m3	1.62E-08	mg/kg-day	--	--	--
				1,4-Dichlorobenzene	8.27E-01	mg/m3	2.31E-03	mg/kg-day	2.20E-02	(mg/kg-day)-1	5.08E-05
				2-Butanone	--	mg/m3	--	mg/kg-day	--	--	--
				2-Hexanone	--	mg/m3	--	mg/kg-day	--	--	--
				2-MethylNaphthalene	1.55E-07	mg/m3	4.34E-10	mg/kg-day	--	--	--
				4-Methyl-2-pentanone	--	mg/m3	--	mg/kg-day	--	--	--
				Acenaphthene	1.07E-07	mg/m3	2.99E-10	mg/kg-day	--	--	--
				Acenaphthylene	--	mg/m3	--	mg/kg-day	--	--	--
				Acetone	6.83E-05	mg/m3	1.91E-07	mg/kg-day	--	--	--
				Benzene	5.97E-05	mg/m3	1.67E-07	mg/kg-day	2.70E-02	(mg/kg-day)-1	4.51E-09
				Bromodichloromethane	2.63E-06	mg/m3	7.35E-09	mg/kg-day	6.20E-02	(mg/kg-day)-1	4.56E-10
				Carbon disulfide	1.81E-04	mg/m3	5.06E-07	mg/kg-day	--	--	--
				Chlorobenzene	1.26E-05	mg/m3	3.52E-08	mg/kg-day	--	--	--
				Chloroethane	--	mg/m3	--	mg/kg-day	2.90E-03	(mg/kg-day)-1	--
				Chloroform	2.17E-05	mg/m3	6.07E-08	mg/kg-day	8.05E-02	(mg/kg-day)-1	4.88E-09
				Chloromethane	--	mg/m3	--	mg/kg-day	--	--	--

TABLE F-8.4.2.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	
Groundwater (Cont.)	Groundwater (Cont.)	Indoor Air (Cont.)	Inhalation (Vapor Intrusion) (Cont.)	cis-1,2-Dichloroethene	1.28E-04	mg/m3	3.58E-07	mg/kg-day	--	(mg/kg-day)-1	--
				Cyanide	--	mg/m3	--	mg/kg-day	--	--	--
				Ethylbenzene	3.25E-05	mg/m3	9.09E-08	mg/kg-day	--	--	--
				Fluorene	2.06E-08	mg/m3	5.76E-11	mg/kg-day	--	--	--
				Hexachlorobutadiene	1.40E-06	mg/m3	3.91E-09	mg/kg-day	7.80E-02	(mg/kg-day)-1	3.05E-10
				Isopropylbenzene	2.49E-05	mg/m3	6.96E-08	mg/kg-day	--	--	--
				m,p-Xylene	5.98E-05	mg/m3	1.67E-07	mg/kg-day	--	--	--
				Methylene Chloride	1.68E-05	mg/m3	4.70E-08	mg/kg-day	1.65E-03	(mg/kg-day)-1	7.73E-11
				Methyl-T-Butyl-ether	--	mg/m3	--	mg/kg-day	9.10E-04	(mg/kg-day)-1	--
				Naphthalene	7.42E-06	mg/m3	2.07E-08	mg/kg-day	1.20E-01	(mg/kg-day)-1	2.49E-09
				n-Butylbenzene	1.09E-05	mg/m3	3.04E-08	mg/kg-day	--	--	--
				n-propylbenzene	5.54E-05	mg/m3	1.55E-07	mg/kg-day	--	--	--
				o-Xylene	2.38E-05	mg/m3	6.65E-08	mg/kg-day	--	--	--
				Phenanthrene	4.07E-08	mg/m3	1.14E-10	mg/kg-day	--	--	--
				Pyrene	1.11E-08	mg/m3	3.10E-11	mg/kg-day	--	--	--
				sec-Butylbenzene	2.26E-06	mg/m3	6.33E-09	mg/kg-day	--	--	--
				tert-Butylbenzene	1.36E-06	mg/m3	3.80E-09	mg/kg-day	--	--	--
				trans-1,2-Dichloroethene	1.18E-04	mg/m3	3.29E-07	mg/kg-day	--	--	--
				Tetrachloroethene	5.93E-05	mg/m3	1.66E-07	mg/kg-day	2.10E-02	(mg/kg-day)-1	3.48E-09
				Toluene	2.81E-05	mg/m3	7.86E-08	mg/kg-day	--	--	--
				Trichloroethene	6.23E-03	mg/m3	1.74E-05	mg/kg-day	4.00E-01	(mg/kg-day)-1	6.97E-06
				Vinyl chloride	5.58E-04	mg/m3	1.56E-06	mg/kg-day	1.60E-02	(mg/kg-day)-1	2.50E-08
				Xylene (Total)	7.89E-05	mg/m3	2.21E-07	mg/kg-day	--	--	--
			Exposure Route Total								5.79E-05
		Exposure Point Total									5.79E-05
	Exposure Medium Total										5.79E-05
Medium Total											5.79E-05
										Total of Receptor Hazards Across All Media	5.94E-05

Continue

TABLE F-8.4.2.RME
EPA RAGS PART D TABLE 7a
CALCULATION OF RME CHEMICAL CANCER RISKS
HYPOTHETICAL FUTURE CONSTRUCTION WORKER
SITE 21, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Scenario Timeframe:	Hypothetical Future
Receptor Population:	Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk
							Value	Units	Value	Units	

Notes:

--	Not applicable or not available
CSF	Cancer slope factor
EPA	U.S. Environmental Protection Agency
(mg/kg-day)-1	1/(Milligrams per kilogram per day)
mg/L	Milligrams per liter
mg/m^3	Milligrams per cubic meter
RAGS	Risk Acceptance Guidance for Superfund
RME	Reasonable maximum exposure
VOC	Volatile organic compound

(a) See the Vapor Intrusion to Indoor Air Evaluation for determination of the modeled indoor air concentration.