

Table D.23. HIs for the Current Industrial Worker

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	1	1	Surface	Beryllium	3.89E+00	0.0	0.0	0.0	0.0	96%
5	1	1	Surface	Cadmium	1.10E+00	0.0	0.0	0.0	0.0	3%
5	1	1	Surface	Chromium	1.28E+01	0.0	0.0		0.0	2%
5	1	1	Surface	PCB, Total	1.76E-01				0.0	0%
5	1	1	Surface	Totals		0.0	0.0	0.0	0.0	
5	1	1	Surface	Percent		2%	98%	0%		
5	1	2	Surface	Beryllium	8.23E+00	0.0	0.0	0.0	0.0	14%
5	1	2	Surface	Cadmium	6.46E+00	0.0	0.0	0.0	0.0	1%
5	1	2	Surface	Chromium	2.01E+02	0.0	0.0		0.0	2%
5	1	2	Surface	Copper	1.81E+02	0.0	0.0		0.0	1%
5	1	2	Surface	Mercury	5.94E+00	0.0	0.0		0.0	48%
5	1	2	Surface	Nickel	5.75E+01	0.0	0.0	0.0	0.0	10%
5	1	2	Surface	PCB, Total	3.21E+01				0.0	0%
5	1	2	Surface	Silver	3.31E+01	0.0	0.0		0.0	22%
5	1	2	Surface	Thallium	3.70E-01	0.0	0.0		0.0	1%
5	1	2	Surface	Vanadium	3.49E+01	0.0	0.0		0.0	1%
5	1	2	Surface	Totals		0.0	0.1	0.0	0.1	
5	1	2	Surface	Percent		2%	98%	0%		
5	1	3	Surface	Chromium	1.45E+01	0.0	0.0		0.0	100%
5	1	3	Surface	PCB, Total	2.17E-01				0.0	0%
5	1	3	Surface	Totals		0.0	0.0		0.0	
5	1	3	Surface	Percent		0%	100%			
5	1	4	Surface	Beryllium	7.25E-01	0.0	0.0	0.0	0.0	12%
5	1	4	Surface	Chromium	9.30E+01	0.0	0.0		0.0	8%
5	1	4	Surface	Nickel	4.69E+01	0.0	0.0	0.0	0.0	80%
5	1	4	Surface	PCB, Total	1.30E-01				0.0	0%
5	1	4	Surface	Totals		0.0	0.0	0.0	0.0	
5	1	4	Surface	Percent		1%	99%	0%		
5	1	5	Surface	Beryllium	8.30E+00	0.0	0.0	0.0	0.0	66%
5	1	5	Surface	Cadmium	1.20E+00	0.0	0.0	0.0	0.0	1%
5	1	5	Surface	Nickel	4.07E+01	0.0	0.0	0.0	0.0	33%
5	1	5	Surface	PCB, Total	2.70E-01				0.0	0%
5	1	5	Surface	Total PAH	9.83E-02				0.0	0%
5	1	5	Surface	Totals		0.0	0.0	0.0	0.0	
5	1	5	Surface	Percent		1%	98%	0%		
5	99	1	Surface	Chromium	5.51E+01	0.0	0.0		0.0	0%
5	99	1	Surface	Mercury	9.53E+00	0.0	0.1		0.1	80%
5	99	1	Surface	Nickel	7.02E+01	0.0	0.0	0.0	0.0	12%
5	99	1	Surface	Silver	1.03E+01	0.0	0.0		0.0	7%
5	99	1	Surface	Totals		0.0	0.1	0.0	0.1	
5	99	1	Surface	Percent		1%	99%	0%		
5	194	1	Surface	Antimony	1.50E+00	0.0	0.0		0.0	6%
5	194	1	Surface	Chromium	3.87E+01	0.0	0.0		0.0	0%
5	194	1	Surface	Mercury	6.71E+00	0.0	0.0		0.0	71%
5	194	1	Surface	Nickel	5.84E+01	0.0	0.0	0.0	0.0	13%
5	194	1	Surface	Silver	1.09E+01	0.0	0.0		0.0	10%
5	194	1	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	1	Surface	Percent		1%	98%	0%		
5	194	2	Surface	Chromium	5.96E+01	0.0	0.0		0.0	5%
5	194	2	Surface	Silver	1.31E+01	0.0	0.0		0.0	81%
5	194	2	Surface	Uranium	2.28E+01	0.0	0.0	0.0	0.0	14%
5	194	2	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	2	Surface	Percent		3%	97%	0%		
5	194	3	Surface	Antimony	6.90E-01	0.0	0.0		0.0	10%

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.23. HIs for the Current Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	3	Surface	Arsenic	1.46E+01	0.0	0.0	0.0	0.0	34%
5	194	3	Surface	Chromium	3.90E+01	0.0	0.0		0.0	2%
5	194	3	Surface	Nickel	6.40E+01	0.0	0.0	0.0	0.0	55%
5	194	3	Surface	Total PAH	3.93E-02				0.0	0%
5	194	3	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	3	Surface	Percent		10%	90%	1%		
5	194	4	Surface	Chromium	4.84E+01	0.0	0.0		0.0	0%
5	194	4	Surface	Mercury	8.92E+00	0.0	0.1		0.1	78%
5	194	4	Surface	Nickel	6.91E+01	0.0	0.0	0.0	0.0	13%
5	194	4	Surface	Silver	1.18E+01	0.0	0.0		0.0	9%
5	194	4	Surface	Total PAH	7.30E-02				0.0	0%
5	194	4	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	4	Surface	Percent		1%	99%	0%		
5	194	5	Surface	Chromium	4.58E+01	0.0	0.0		0.0	0%
5	194	5	Surface	Mercury	8.69E+00	0.0	0.1		0.1	76%
5	194	5	Surface	Nickel	7.54E+01	0.0	0.0	0.0	0.0	14%
5	194	5	Surface	Silver	1.25E+01	0.0	0.0		0.0	9%
5	194	5	Surface	Total PAH	2.37E-02				0.0	0%
5	194	5	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	5	Surface	Percent		1%	99%	0%		
5	194	6	Surface	Chromium	3.70E+01	0.0	0.0		0.0	1%
5	194	6	Surface	Manganese	1.08E+03	0.0	0.0	0.0	0.0	13%
5	194	6	Surface	Nickel	8.06E+01	0.0	0.0	0.0	0.0	58%
5	194	6	Surface	Silver	9.89E+00	0.0	0.0		0.0	28%
5	194	6	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	6	Surface	Percent		2%	90%	8%		
5	194	7	Surface	Chromium	5.32E+01	0.0	0.0		0.0	2%
5	194	7	Surface	Nickel	7.71E+01	0.0	0.0	0.0	0.0	60%
5	194	7	Surface	Silver	1.25E+01	0.0	0.0		0.0	38%
5	194	7	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	7	Surface	Percent		1%	99%	0%		
5	194	8	Surface	Bis(2-ethylhexyl)phthalate	1.50E+01	0.0	0.0		0.0	9%
5	194	8	Surface	Chromium	5.36E+01	0.0	0.0		0.0	17%
5	194	8	Surface	Manganese	8.00E+02	0.0	0.0	0.0	0.0	83%
5	194	8	Surface	Total PAH	4.85E-01				0.0	0%
5	194	8	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	8	Surface	Percent		8%	49%	43%		
5	194	9	Surface	Arsenic	1.14E+01	0.0	0.0	0.0	0.0	92%
5	194	9	Surface	Chromium	5.17E+01	0.0	0.0		0.0	8%
5	194	9	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	9	Surface	Percent		24%	75%	1%		
5	194	10	Surface	Arsenic	1.22E+01	0.0	0.0	0.0	0.0	30%
5	194	10	Surface	Chromium	3.63E+01	0.0	0.0		0.0	2%
5	194	10	Surface	Nickel	7.60E+01	0.0	0.0	0.0	0.0	69%
5	194	10	Surface	Total PAH	2.57E-01				0.0	0%
5	194	10	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	10	Surface	Percent		8%	91%	1%		
5	194	11	Surface	Chromium	3.27E+01	0.0	0.0		0.0	0%
5	194	11	Surface	Mercury	8.09E+00	0.0	0.0		0.1	71%
5	194	11	Surface	Nickel	1.01E+02	0.0	0.0	0.0	0.0	19%
5	194	11	Surface	PCB, Total	8.40E-02				0.0	0%
5	194	11	Surface	Silver	1.33E+01	0.0	0.0		0.0	10%
5	194	11	Surface	Total PAH	7.95E-02				0.0	0%
5	194	11	Surface	Totals		0.0	0.1	0.0	0.1	

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Table D.23. HIs for the Current Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	11	Surface	Percent		1%	99%	0%		
5	194	12	Surface	Chromium	6.34E+01	0.0	0.0		0.0	2%
5	194	12	Surface	Nickel	7.86E+01	0.0	0.0	0.0	0.0	61%
5	194	12	Surface	Silver	1.20E+01	0.0	0.0		0.0	37%
5	194	12	Surface	Total PAH	8.91E-01				0.0	0%
5	194	12	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	12	Surface	Percent		1%	99%	0%		
5	194	13	Surface	Chromium	4.77E+01	0.0	0.0		0.0	4%
5	194	13	Surface	Nickel	6.03E+01	0.0	0.0	0.0	0.0	96%
5	194	13	Surface	Total PAH	9.13E-02				0.0	0%
5	194	13	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	13	Surface	Percent		1%	98%	1%		
5	194	14	Surface	Chromium	5.21E+01	0.0	0.0		0.0	1%
5	194	14	Surface	Mercury	8.14E+00	0.0	0.0		0.1	99%
5	194	14	Surface	Totals		0.0	0.1		0.1	
5	194	14	Surface	Percent		1%	99%			
5	194	15	Surface	Chromium	5.33E+01	0.0	0.0		0.0	6%
5	194	15	Surface	Silver	1.03E+01	0.0	0.0		0.0	94%
5	194	15	Surface	Totals		0.0	0.0		0.0	
5	194	15	Surface	Percent		1%	99%			
5	194	16	Surface	Antimony	7.40E-01	0.0	0.0		0.0	9%
5	194	16	Surface	Arsenic	1.15E+01	0.0	0.0	0.0	0.0	22%
5	194	16	Surface	Beryllium	8.70E-01	0.0	0.0	0.0	0.0	6%
5	194	16	Surface	Chromium	5.32E+01	0.0	0.0		0.0	2%
5	194	16	Surface	Nickel	7.20E+01	0.0	0.0	0.0	0.0	51%
5	194	16	Surface	Thallium	6.30E-01	0.0	0.0		0.0	7%
5	194	16	Surface	Vanadium	4.11E+01	0.0	0.0		0.0	4%
5	194	16	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	16	Surface	Percent		9%	91%	1%		
5	194	17	Surface	Arsenic	1.16E+01	0.0	0.0	0.0	0.0	90%
5	194	17	Surface	Cadmium	1.10E+00	0.0	0.0	0.0	0.0	3%
5	194	17	Surface	Chromium	4.65E+01	0.0	0.0		0.0	7%
5	194	17	Surface	Total PAH	1.59E-01				0.0	0%
5	194	17	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	17	Surface	Percent		24%	75%	1%		
5	194	18	Surface	Arsenic	1.06E+01	0.0	0.0	0.0	0.0	29%
5	194	18	Surface	Beryllium	7.40E-01	0.0	0.0	0.0	0.0	8%
5	194	18	Surface	Chromium	6.85E+01	0.0	0.0		0.0	4%
5	194	18	Surface	Nickel	5.78E+01	0.0	0.0	0.0	0.0	59%
5	194	18	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	18	Surface	Percent		8%	91%	1%		
5	194	19	Surface	Arsenic	1.07E+01	0.0	0.0	0.0	0.0	32%
5	194	19	Surface	Chromium	4.84E+01	0.0	0.0		0.0	3%
5	194	19	Surface	Nickel	5.84E+01	0.0	0.0	0.0	0.0	65%
5	194	19	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	19	Surface	Percent		9%	90%	1%		
5	194	20	Surface	Arsenic	1.18E+01	0.0	0.0	0.0	0.0	5%
5	194	20	Surface	Barium	3.26E+02	0.0	0.0	0.0	0.0	4%
5	194	20	Surface	Beryllium	1.10E+00	0.0	0.0	0.0	0.0	2%
5	194	20	Surface	Chromium	5.24E+01	0.0	0.0		0.0	0%
5	194	20	Surface	Cobalt	2.11E+01	0.0	0.0	0.0	0.0	13%
5	194	20	Surface	Manganese	2.29E+03	0.0	0.0	0.0	0.0	6%
5	194	20	Surface	Mercury	7.28E+00	0.0	0.0		0.0	53%
5	194	20	Surface	Nickel	6.57E+01	0.0	0.0	0.0	0.0	10%

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Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	20	Surface	Silver	1.22E+01	0.0	0.0		0.0	7%
5	194	20	Surface	Total PAH	3.10E-02				0.0	0%
5	194	20	Surface	Vanadium	3.81E+01	0.0	0.0		0.0	1%
5	194	20	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	20	Surface	Percent		5%	91%	4%		
5	194	21	Surface	Antimony	9.30E-01	0.0	0.0		0.0	4%
5	194	21	Surface	Chromium	5.51E+01	0.0	0.0		0.0	1%
5	194	21	Surface	Mercury	6.62E+00	0.0	0.0		0.0	76%
5	194	21	Surface	Nickel	7.01E+01	0.0	0.0	0.0	0.0	17%
5	194	21	Surface	Thallium	6.40E-01	0.0	0.0		0.0	2%
5	194	21	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	21	Surface	Percent		2%	98%	0%		
5	194	22	Surface	Chromium	4.90E+01	0.0	0.0		0.0	15%
5	194	22	Surface	Manganese	8.19E+02	0.0	0.0	0.0	0.0	85%
5	194	22	Surface	PCB, Total	1.09E+01				0.0	0%
5	194	22	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	22	Surface	Percent		8%	44%	48%		
5	194	23	Surface	Arsenic	1.16E+01	0.0	0.0	0.0	0.0	16%
5	194	23	Surface	Chromium	6.60E+01	0.0	0.0		0.0	2%
5	194	23	Surface	Iron	1.83E+04	0.0	0.0		0.0	16%
5	194	23	Surface	Nickel	8.77E+01	0.0	0.0	0.0	0.0	44%
5	194	23	Surface	Silver	1.15E+01	0.0	0.0		0.0	23%
5	194	23	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	23	Surface	Percent		8%	92%	0%		
5	194	24	Surface	Chromium	5.02E+01	0.0	0.0		0.0	3%
5	194	24	Surface	Nickel	7.08E+01	0.0	0.0	0.0	0.0	97%
5	194	24	Surface	Total PAH	2.28E-02				0.0	0%
5	194	24	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	24	Surface	Percent		1%	98%	1%		
5	194	25	Surface	Barium	3.00E+02	0.0	0.0	0.0	0.0	21%
5	194	25	Surface	Chromium	6.13E+01	0.0	0.0		0.0	3%
5	194	25	Surface	Manganese	9.96E+02	0.0	0.0	0.0	0.0	16%
5	194	25	Surface	Nickel	6.33E+01	0.0	0.0	0.0	0.0	61%
5	194	25	Surface	Total PAH	2.06E-02				0.0	0%
5	194	25	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	25	Surface	Percent		2%	88%	10%		
5	194	26	Surface	Beryllium	7.00E-01	0.0	0.0	0.0	0.0	13%
5	194	26	Surface	Chromium	4.18E+01	0.0	0.0		0.0	4%
5	194	26	Surface	Silver	1.03E+01	0.0	0.0		0.0	73%
5	194	26	Surface	Thallium	3.90E-01	0.0	0.0		0.0	10%
5	194	26	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	26	Surface	Percent		3%	97%	0%		
5	194	27	Surface	Chromium	5.22E+01	0.0	0.0		0.0	2%
5	194	27	Surface	Nickel	6.55E+01	0.0	0.0	0.0	0.0	60%
5	194	27	Surface	Silver	1.01E+01	0.0	0.0		0.0	37%
5	194	27	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	27	Surface	Percent		1%	99%	0%		
5	194	28	Surface	Arsenic	1.20E+01	0.0	0.0	0.0	0.0	18%
5	194	28	Surface	Beryllium	7.10E-01	0.0	0.0	0.0	0.0	4%
5	194	28	Surface	Chromium	6.07E+01	0.0	0.0		0.0	2%
5	194	28	Surface	Manganese	1.14E+03	0.0	0.0	0.0	0.0	10%
5	194	28	Surface	Nickel	6.95E+01	0.0	0.0	0.0	0.0	39%
5	194	28	Surface	Silver	1.08E+01	0.0	0.0		0.0	24%
5	194	28	Surface	Vanadium	4.06E+01	0.0	0.0		0.0	3%

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5	194	28	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	28	Surface	Percent		7%	86%	6%		
5	194	29	Surface	Antimony	7.10E-01	0.0	0.0		0.0	10%
5	194	29	Surface	Chromium	5.06E+01	0.0	0.0		0.0	2%
5	194	29	Surface	Nickel	6.51E+01	0.0	0.0	0.0	0.0	55%
5	194	29	Surface	Silver	9.77E+00	0.0	0.0		0.0	33%
5	194	29	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	29	Surface	Percent		1%	98%	0%		
5	194	30	Surface	Chromium	5.66E+01	0.0	0.0		0.0	1%
5	194	30	Surface	Mercury	8.80E+00	0.0	0.1		0.1	79%
5	194	30	Surface	Nickel	6.99E+01	0.0	0.0	0.0	0.0	13%
5	194	30	Surface	Silver	9.76E+00	0.0	0.0		0.0	7%
5	194	30	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	30	Surface	Percent		1%	99%	0%		
5	196	1	Surface	Antimony	5.90E-01	0.0	0.0		0.0	2%
5	196	1	Surface	Chromium	1.96E+01	0.0	0.0		0.0	0%
5	196	1	Surface	Nickel	5.56E+02	0.0	0.1	0.0	0.1	96%
5	196	1	Surface	Uranium	2.33E+01	0.0	0.0	0.0	0.0	2%
5	196	1	Surface	Totals		0.0	0.1	0.0	0.1	
5	196	1	Surface	Percent		1%	98%	1%		
5	196	2	Surface	Barium	2.02E+02	0.0	0.0	0.0	0.0	16%
5	196	2	Surface	Cadmium	2.53E+00	0.0	0.0	0.0	0.0	3%
5	196	2	Surface	Chromium	2.07E+01	0.0	0.0		0.0	1%
5	196	2	Surface	Nickel	7.36E+01	0.0	0.0	0.0	0.0	80%
5	196	2	Surface	PCB, Total	1.51E+00				0.0	0%
5	196	2	Surface	Total PAH	6.80E-01				0.0	0%
5	196	2	Surface	Totals		0.0	0.0	0.0	0.0	
5	196	2	Surface	Percent		2%	98%	1%		
5	489	1	Surface	Chromium	4.16E+01	0.0	0.0		0.0	3%
5	489	1	Surface	Nickel	7.88E+01	0.0	0.0	0.0	0.0	97%
5	489	1	Surface	Total PAH	8.22E-02				0.0	0%
5	489	1	Surface	Totals		0.0	0.0	0.0	0.0	
5	489	1	Surface	Percent		1%	98%	1%		
5	531	1	Surface	Antimony	1.00E+00	0.0	0.0		0.0	4%
5	531	1	Surface	Arsenic	4.68E+01	0.0	0.0	0.0	0.0	30%
5	531	1	Surface	Cadmium	3.10E+00	0.0	0.0	0.0	0.0	1%
5	531	1	Surface	Chromium	5.05E+01	0.0	0.0		0.0	1%
5	531	1	Surface	Iron	5.68E+04	0.0	0.0		0.0	23%
5	531	1	Surface	Nickel	1.62E+02	0.0	0.0	0.0	0.0	38%
5	531	1	Surface	Total PAH	5.34E-02				0.0	0%
5	531	1	Surface	Uranium	2.41E+01	0.0	0.0	0.0	0.0	2%
5	531	1	Surface	Zinc	2.45E+03	0.0	0.0		0.0	2%
5	531	1	Surface	Totals		0.0	0.0	0.0	0.1	
5	531	1	Surface	Percent		13%	86%	1%		
6	200	1	Surface	Antimony	5.60E-01	0.0	0.0		0.0	2%
6	200	1	Surface	Chromium	5.75E+01	0.0	0.0		0.0	1%
6	200	1	Surface	Mercury	6.71E+00	0.0	0.0		0.0	68%
6	200	1	Surface	Nickel	1.28E+02	0.0	0.0	0.0	0.0	27%
6	200	1	Surface	PCB, Total	2.60E+00				0.0	0%
6	200	1	Surface	Total PAH	2.84E-02				0.0	0%
6	200	1	Surface	Uranium	2.73E+01	0.0	0.0	0.0	0.0	2%
6	200	1	Surface	Totals		0.0	0.1	0.0	0.1	
6	200	1	Surface	Percent		2%	98%	0%		
6	212	1	Surface	Arsenic	1.44E+01	0.0	0.0	0.0	0.0	18%

SWMU = solid waste management unit
EU = exposure unit
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EPC = exposure point concentration
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Table D.23. HIs for the Current Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	212	1	Surface	Beryllium	8.10E-01	0.0	0.0	0.0	0.0	4%
6	212	1	Surface	Chromium	3.58E+01	0.0	0.0		0.0	1%
6	212	1	Surface	Iron	4.14E+04	0.0	0.0		0.0	33%
6	212	1	Surface	Nickel	8.69E+01	0.0	0.0	0.0	0.0	40%
6	212	1	Surface	PCB, Total	1.80E-01				0.0	0%
6	212	1	Surface	Uranium	2.30E+01	0.0	0.0	0.0	0.0	4%
6	212	1	Surface	Totals		0.0	0.0	0.0	0.0	
6	212	1	Surface	Percent		12%	88%	0%		
6	213	1	Surface	Antimony	8.50E-01	0.0	0.0		0.0	11%
6	213	1	Surface	Chromium	4.78E+01	0.0	0.0		0.0	2%
6	213	1	Surface	Nickel	6.67E+01	0.0	0.0	0.0	0.0	49%
6	213	1	Surface	PCB, Total	7.30E-02				0.0	0%
6	213	1	Surface	Silver	1.32E+01	0.0	0.0		0.0	39%
6	213	1	Surface	Total PAH	1.72E-01				0.0	0%
6	213	1	Surface	Totals		0.0	0.0	0.0	0.0	
6	213	1	Surface	Percent		1%	98%	0%		
6	213	2	Surface	Chromium	4.48E+01	0.0	0.0		0.0	2%
6	213	2	Surface	Nickel	9.10E+01	0.0	0.0	0.0	0.0	66%
6	213	2	Surface	Silver	1.13E+01	0.0	0.0		0.0	32%
6	213	2	Surface	Totals		0.0	0.0	0.0	0.0	
6	213	2	Surface	Percent		1%	99%	0%		
6	214	1	Surface	Antimony	5.70E-01	0.0	0.0		0.0	100%
6	214	1	Surface	Totals		0.0	0.0		0.0	
6	214	1	Surface	Percent		3%	97%			
6	215	1	Surface	Antimony	6.80E-01	0.0	0.0		0.0	7%
6	215	1	Surface	Chromium	5.73E+01	0.0	0.0		0.0	2%
6	215	1	Surface	Iron	3.87E+04	0.0	0.0		0.0	43%
6	215	1	Surface	Nickel	7.32E+01	0.0	0.0	0.0	0.0	48%
6	215	1	Surface	Total PAH	8.09E-02				0.0	0%
6	215	1	Surface	Totals		0.0	0.0	0.0	0.0	
6	215	1	Surface	Percent		8%	91%	0%		
6	216	1	Surface	Chromium	2.38E+01	0.0	0.0		0.0	100%
6	216	1	Surface	Total PAH	1.49E-01				0.0	0%
6	216	1	Surface	Totals		0.0	0.0		0.0	
6	216	1	Surface	Percent		0%	100%			
6	217	1	Surface	Chromium	8.58E+01	0.0	0.0		0.0	2%
6	217	1	Surface	Cobalt	1.96E+01	0.0	0.0	0.0	0.0	34%
6	217	1	Surface	Manganese	7.70E+02	0.0	0.0	0.0	0.0	5%
6	217	1	Surface	Nickel	8.54E+01	0.0	0.0	0.0	0.0	36%
6	217	1	Surface	Silver	1.35E+01	0.0	0.0		0.0	23%
6	217	1	Surface	Totals		0.0	0.0	0.0	0.0	
6	217	1	Surface	Percent		7%	89%	4%		
6	217	2	Surface	Antimony	1.70E+00	0.0	0.0		0.0	4%
6	217	2	Surface	Arsenic	1.12E+01	0.0	0.0	0.0	0.0	4%
6	217	2	Surface	Chromium	1.02E+02	0.0	0.0		0.0	1%
6	217	2	Surface	Cobalt	1.74E+01	0.0	0.0	0.0	0.0	9%
6	217	2	Surface	Iron	3.09E+04	0.0	0.0		0.0	7%
6	217	2	Surface	Manganese	8.44E+02	0.0	0.0	0.0	0.0	2%
6	217	2	Surface	Mercury	8.59E+00	0.0	0.1		0.1	53%
6	217	2	Surface	Nickel	9.74E+01	0.0	0.0	0.0	0.0	13%
6	217	2	Surface	Silver	1.61E+01	0.0	0.0		0.0	8%
6	217	2	Surface	Total PAH	5.05E-01				0.0	0%
6	217	2	Surface	Totals		0.0	0.1	0.0	0.1	
6	217	2	Surface	Percent		5%	94%	1%		

SWMU = solid waste management unit
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Table D.23. HIs for the Current Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	221	1	Surface	Barium	2.21E+02	0.0	0.0	0.0	0.0	12%
6	221	1	Surface	Chromium	7.01E+01	0.0	0.0		0.0	3%
6	221	1	Surface	Iron	1.90E+04	0.0	0.0		0.0	24%
6	221	1	Surface	Nickel	7.93E+01	0.0	0.0	0.0	0.0	58%
6	221	1	Surface	PCB, Total	5.00E-01				0.0	0%
6	221	1	Surface	Total PAH	1.02E+00				0.0	0%
6	221	1	Surface	Uranium	1.64E+01	0.0	0.0	0.0	0.0	5%
6	221	1	Surface	Totals		0.0	0.0	0.0	0.0	
6	221	1	Surface	Percent		6%	94%	0%		
6	222	1	Surface	Chromium	4.73E+01	0.0	0.0		0.0	2%
6	222	1	Surface	Nickel	9.19E+01	0.0	0.0	0.0	0.0	87%
6	222	1	Surface	PCB, Total	1.40E+00				0.0	0%
6	222	1	Surface	Total PAH	1.77E-01				0.0	0%
6	222	1	Surface	Uranium	2.80E+01	0.0	0.0	0.0	0.0	11%
6	222	1	Surface	Totals		0.0	0.0	0.0	0.0	
6	222	1	Surface	Percent		3%	97%	0%		
6	227	1	Surface	Beryllium	5.52E-01	0.0	0.0	0.0	0.0	2%
6	227	1	Surface	Chromium	4.71E+01	0.0	0.0		0.0	1%
6	227	1	Surface	Nickel	2.03E+02	0.0	0.0	0.0	0.0	81%
6	227	1	Surface	PCB, Total	4.14E+00				0.0	0%
6	227	1	Surface	Total PAH	3.38E-01				0.0	0%
6	227	1	Surface	Uranium	1.02E+02	0.0	0.0	0.0	0.0	16%
6	227	1	Surface	Totals		0.0	0.0	0.0	0.0	
6	227	1	Surface	Percent		4%	96%	0%		
6	227	2	Surface	Beryllium	5.32E-01	0.0	0.0	0.0	0.0	1%
6	227	2	Surface	Chromium	5.63E+01	0.0	0.0		0.0	0%
6	227	2	Surface	Cobalt	8.99E+00	0.0	0.0	0.0	0.0	6%
6	227	2	Surface	Mercury	8.41E+00	0.0	0.1		0.1	70%
6	227	2	Surface	Nickel	1.25E+02	0.0	0.0	0.0	0.0	22%
6	227	2	Surface	PCB, Total	5.82E+00				0.0	0%
6	227	2	Surface	Total PAH	1.16E-01				0.0	0%
6	227	2	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	1%
6	227	2	Surface	Totals		0.0	0.1	0.0	0.1	
6	227	2	Surface	Percent		3%	97%	0%		
6	228	1	Surface	Antimony	6.30E-01	0.0	0.0		0.0	2%
6	228	1	Surface	Cadmium	3.90E+00	0.0	0.0	0.0	0.0	1%
6	228	1	Surface	Chromium	1.89E+02	0.0	0.0		0.0	2%
6	228	1	Surface	Mercury	9.37E+00	0.0	0.1		0.1	74%
6	228	1	Surface	Nickel	7.92E+01	0.0	0.0	0.0	0.0	13%
6	228	1	Surface	Silver	1.16E+01	0.0	0.0		0.0	8%
6	228	1	Surface	Total PAH	6.69E-02				0.0	0%
6	228	1	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	1%
6	228	1	Surface	Totals		0.0	0.1	0.0	0.1	
6	228	1	Surface	Percent		2%	98%	0%		
7	76	1	Surface	Barium	2.69E+02	0.0	0.0	0.0	0.0	100%
7	76	1	Surface	PCB, Total	2.60E-01				0.0	0%
7	76	1	Surface	Total PAH	1.76E+00				0.0	0%
7	76	1	Surface	Totals		0.0	0.0	0.0	0.0	
7	76	1	Surface	Percent		1%	97%	1%		
7	165	1	Surface	Antimony	2.20E+00	0.0	0.0		0.0	8%
7	165	1	Surface	Arsenic	6.35E+01	0.0	0.0	0.0	0.0	35%
7	165	1	Surface	Barium	5.84E+02	0.0	0.0	0.0	0.0	9%
7	165	1	Surface	Beryllium	6.82E-01	0.0	0.0	0.0	0.0	1%
7	165	1	Surface	Chromium	3.74E+01	0.0	0.0		0.0	0%

SWMU = solid waste management unit
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Table D.23. HIs for the Current Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
7	165	1	Surface	Mercury	3.78E-01	0.0	0.0		0.0	4%
7	165	1	Surface	Naphthalene	1.61E+00	0.0	0.0	0.0	0.0	2%
7	165	1	Surface	Nickel	3.47E+01	0.0	0.0	0.0	0.0	7%
7	165	1	Surface	PCB, Total	8.27E+00				0.0	0%
7	165	1	Surface	Silver	3.09E+01	0.0	0.0		0.0	25%
7	165	1	Surface	Total PAH	1.87E+00				0.0	0%
7	165	1	Surface	Uranium	1.08E+02	0.0	0.0	0.0	0.0	9%
7	165	1	Surface	Totals		0.0	0.1	0.0	0.1	
7	165	1	Surface	Percent		11%	86%	2%		
8	158	1	Surface	Antimony	5.23E-01	0.0	0.0		0.0	1%
8	158	1	Surface	Arsenic	1.01E+01	0.0	0.0	0.0	0.0	4%
8	158	1	Surface	Barium	2.19E+02	0.0	0.0	0.0	0.0	2%
8	158	1	Surface	Chromium	6.07E+01	0.0	0.0		0.0	0%
8	158	1	Surface	Cobalt	1.62E+01	0.0	0.0	0.0	0.0	9%
8	158	1	Surface	Manganese	9.91E+02	0.0	0.0	0.0	0.0	2%
8	158	1	Surface	Mercury	1.05E+01	0.0	0.1		0.1	69%
8	158	1	Surface	Nickel	7.28E+01	0.0	0.0	0.0	0.0	10%
8	158	1	Surface	Thallium	3.12E-01	0.0	0.0		0.0	1%
8	158	1	Surface	Total PAH	3.69E-01				0.0	0%
8	158	1	Surface	Uranium	2.03E+01	0.0	0.0	0.0	0.0	1%
8	158	1	Surface	Totals		0.0	0.1	0.0	0.1	
8	158	1	Surface	Percent		4%	94%	2%		
8	169	1	Surface	Aluminum	1.42E+04	0.0	0.0	0.0	0.0	2%
8	169	1	Surface	Antimony	1.30E+00	0.0	0.0		0.0	2%
8	169	1	Surface	Arsenic	2.03E+01	0.0	0.0	0.0	0.0	5%
8	169	1	Surface	Beryllium	8.00E-01	0.0	0.0	0.0	0.0	1%
8	169	1	Surface	Chromium	2.15E+02	0.0	0.0		0.0	1%
8	169	1	Surface	Copper	3.74E+02	0.0	0.0		0.0	1%
8	169	1	Surface	Iron	4.16E+04	0.0	0.0		0.0	6%
8	169	1	Surface	Mercury	7.87E+00	0.0	0.0		0.0	33%
8	169	1	Surface	Nickel	5.49E+02	0.0	0.1	0.0	0.1	48%
8	169	1	Surface	PCB, Total	1.00E+01				0.0	0%
8	169	1	Surface	Thallium	4.60E-01	0.0	0.0		0.0	1%
8	169	1	Surface	Total PAH	4.59E+00				0.0	0%
8	169	1	Surface	Uranium	5.03E+01	0.0	0.0	0.0	0.0	2%
8	169	1	Surface	Totals		0.0	0.1	0.0	0.1	
8	169	1	Surface	Percent		4%	95%	0%		
9	19	1	Surface	Beryllium	1.10E+00	0.0	0.0	0.0	0.0	41%
9	19	1	Surface	Cadmium	1.20E+00	0.0	0.0	0.0	0.0	5%
9	19	1	Surface	Thallium	9.80E-01	0.0	0.0		0.0	54%
9	19	1	Surface	Total PAH	5.23E+00				0.0	0%
9	19	1	Surface	Totals		0.0	0.0	0.0	0.0	
9	19	1	Surface	Percent		11%	89%	0%		
9	138	1	Surface	Antimony	5.39E+00	0.0	0.0		0.0	11%
9	138	1	Surface	Arsenic	1.06E+01	0.0	0.0	0.0	0.0	3%
9	138	1	Surface	Cadmium	5.42E+00	0.0	0.0	0.0	0.0	1%
9	138	1	Surface	Chromium	5.39E+01	0.0	0.0		0.0	0%
9	138	1	Surface	Mercury	1.30E+01	0.0	0.1		0.1	72%
9	138	1	Surface	Nickel	7.04E+01	0.0	0.0	0.0	0.0	8%
9	138	1	Surface	PCB, Total	5.00E-01				0.0	0%
9	138	1	Surface	Silver	1.01E+01	0.0	0.0		0.0	5%
9	138	1	Surface	Total PAH	9.74E-02				0.0	0%
9	138	1	Surface	Totals		0.0	0.1	0.0	0.1	
9	138	1	Surface	Percent		3%	97%	0%		

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Table D.23. HIs for the Current Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	138	2	Surface	Nickel	7.99E+01	0.0	0.0	0.0	0.0	66%
9	138	2	Surface	PCB, Total	9.20E-02				0.0	0%
9	138	2	Surface	Silver	1.04E+01	0.0	0.0		0.0	34%
9	138	2	Surface	Total PAH	3.84E-02				0.0	0%
9	138	2	Surface	Totals		0.0	0.0	0.0	0.0	
9	138	2	Surface	Percent		1%	99%	0%		
9	180	1	Surface	Antimony	5.80E-01	0.0	0.0		0.0	1%
9	180	1	Surface	Arsenic	7.48E+01	0.0	0.0	0.0	0.0	29%
9	180	1	Surface	Chromium	5.54E+01	0.0	0.0		0.0	0%
9	180	1	Surface	Mercury	8.28E+00	0.0	0.1		0.1	57%
9	180	1	Surface	Nickel	8.77E+01	0.0	0.0	0.0	0.0	13%
9	180	1	Surface	Totals		0.0	0.1	0.0	0.1	
9	180	1	Surface	Percent		9%	91%	0%		
9	180	2	Surface	Antimony	4.58E-01	0.0	0.0		0.0	6%
9	180	2	Surface	Arsenic	1.27E+01	0.0	0.0	0.0	0.0	27%
9	180	2	Surface	Chromium	4.46E+01	0.0	0.0		0.0	2%
9	180	2	Surface	Nickel	8.42E+01	0.0	0.0	0.0	0.0	66%
9	180	2	Surface	Total PAH	9.19E-02				0.0	0%
9	180	2	Surface	Totals		0.0	0.0	0.0	0.0	
9	180	2	Surface	Percent		8%	92%	1%		
9	180	3	Surface	Arsenic	1.34E+01	0.0	0.0	0.0	0.0	24%
9	180	3	Surface	Chromium	4.69E+01	0.0	0.0		0.0	2%
9	180	3	Surface	Nickel	6.77E+01	0.0	0.0	0.0	0.0	45%
9	180	3	Surface	Silver	1.14E+01	0.0	0.0		0.0	30%
9	180	3	Surface	Totals		0.0	0.0	0.0	0.0	
9	180	3	Surface	Percent		7%	93%	1%		
9	180	4	Surface	Arsenic	1.15E+01	0.0	0.0	0.0	0.0	15%
9	180	4	Surface	Barium	2.13E+02	0.0	0.0	0.0	0.0	7%
9	180	4	Surface	Beryllium	1.60E+00	0.0	0.0	0.0	0.0	7%
9	180	4	Surface	Chromium	6.00E+01	0.0	0.0		0.0	1%
9	180	4	Surface	Iron	1.54E+04	0.0	0.0		0.0	12%
9	180	4	Surface	Manganese	7.09E+02	0.0	0.0	0.0	0.0	5%
9	180	4	Surface	Nickel	6.46E+01	0.0	0.0	0.0	0.0	30%
9	180	4	Surface	Silver	9.68E+00	0.0	0.0		0.0	18%
9	180	4	Surface	Total PAH	2.15E-02				0.0	0%
9	180	4	Surface	Vanadium	4.85E+01	0.0	0.0		0.0	3%
9	180	4	Surface	Totals		0.0	0.0	0.0	0.0	
9	180	4	Surface	Percent		8%	88%	4%		
9	181	1	Surface	Chromium	2.29E+01	0.0	0.0		0.0	2%
9	181	1	Surface	Thallium	3.50E+00	0.0	0.0		0.0	98%
9	181	1	Surface	Total PAH	3.43E-02				0.0	0%
9	181	1	Surface	Totals		0.0	0.0		0.0	
9	181	1	Surface	Percent		17%	83%			
9	195	1	Surface	Chromium	6.33E+01	0.0	0.0		0.0	3%
9	195	1	Surface	Nickel	7.02E+01	0.0	0.0	0.0	0.0	63%
9	195	1	Surface	Silver	9.37E+00	0.0	0.0		0.0	34%
9	195	1	Surface	Totals		0.0	0.0	0.0	0.0	
9	195	1	Surface	Percent		1%	99%	0%		
9	195	2	Surface	Chromium	4.52E+01	0.0	0.0		0.0	6%
9	195	2	Surface	Silver	9.48E+00	0.0	0.0		0.0	94%
9	195	2	Surface	Total PAH	2.68E-02				0.0	0%
9	195	2	Surface	Totals		0.0	0.0		0.0	
9	195	2	Surface	Percent		1%	99%			
9	195	3	Surface	Chromium	5.03E+01	0.0	0.0		0.0	5%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.23. HIs for the Current Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	195	3	Surface	Nickel	5.22E+01	0.0	0.0	0.0	0.0	95%
9	195	3	Surface	Total PAH	4.06E-02				0.0	0%
9	195	3	Surface	Totals		0.0	0.0	0.0	0.0	
9	195	3	Surface	Percent		1%	98%	1%		
9	195	4	Surface	Chromium	5.29E+01	0.0	0.0		0.0	4%
9	195	4	Surface	Nickel	6.23E+01	0.0	0.0	0.0	0.0	96%
9	195	4	Surface	Totals		0.0	0.0	0.0	0.0	
9	195	4	Surface	Percent		1%	98%	1%		
9	195	5	Surface	Chromium	5.74E+01	0.0	0.0		0.0	3%
9	195	5	Surface	Nickel	8.11E+01	0.0	0.0	0.0	0.0	97%
9	195	5	Surface	Total PAH	2.40E-02				0.0	0%
9	195	5	Surface	Totals		0.0	0.0	0.0	0.0	
9	195	5	Surface	Percent		1%	98%	1%		
9	195	6	Surface	Chromium	4.45E+01	0.0	0.0		0.0	3%
9	195	6	Surface	Nickel	8.71E+01	0.0	0.0	0.0	0.0	97%
9	195	6	Surface	Total PAH	2.48E-01				0.0	0%
9	195	6	Surface	Totals		0.0	0.0	0.0	0.0	
9	195	6	Surface	Percent		1%	98%	1%		
9	195	7	Surface	Chromium	4.93E+01	0.0	0.0		0.0	7%
9	195	7	Surface	Silver	8.06E+00	0.0	0.0		0.0	93%
9	195	7	Surface	Totals		0.0	0.0		0.0	
9	195	7	Surface	Percent		1%	99%			
9	195	8	Surface	Arsenic	1.16E+01	0.0	0.0	0.0	0.0	16%
9	195	8	Surface	Beryllium	7.40E-01	0.0	0.0	0.0	0.0	4%
9	195	8	Surface	Chromium	6.79E+01	0.0	0.0		0.0	2%
9	195	8	Surface	Cobalt	1.82E+01	0.0	0.0	0.0	0.0	39%
9	195	8	Surface	Nickel	7.01E+01	0.0	0.0	0.0	0.0	37%
9	195	8	Surface	Total PAH	2.16E-01				0.0	0%
9	195	8	Surface	Vanadium	4.04E+01	0.0	0.0		0.0	3%
9	195	8	Surface	Totals		0.0	0.0	0.0	0.0	
9	195	8	Surface	Percent		12%	87%	1%		
9	195	9	Surface	Chromium	6.08E+01	0.0	0.0		0.0	4%
9	195	9	Surface	Nickel	7.93E+01	0.0	0.0	0.0	0.0	96%
9	195	9	Surface	Totals		0.0	0.0	0.0	0.0	
9	195	9	Surface	Percent		1%	98%	1%		
9	195	10	Surface	Chromium	4.51E+01	0.0	0.0		0.0	2%
9	195	10	Surface	Nickel	7.40E+01	0.0	0.0	0.0	0.0	58%
9	195	10	Surface	Silver	1.31E+01	0.0	0.0		0.0	41%
9	195	10	Surface	Totals		0.0	0.0	0.0	0.0	
9	195	10	Surface	Percent		1%	99%	0%		
9	195	11	Surface	Aluminum	2.81E+04	0.0	0.0	0.0	0.0	11%
9	195	11	Surface	Arsenic	1.35E+01	0.0	0.0	0.0	0.0	11%
9	195	11	Surface	Barium	4.53E+02	0.0	0.0	0.0	0.0	10%
9	195	11	Surface	Chromium	5.05E+01	0.0	0.0		0.0	1%
9	195	11	Surface	Cobalt	2.77E+01	0.0	0.0	0.0	0.0	33%
9	195	11	Surface	Iron	1.97E+04	0.0	0.0		0.0	10%
9	195	11	Surface	Nickel	6.77E+01	0.0	0.0	0.0	0.0	20%
9	195	11	Surface	Thallium	6.60E-01	0.0	0.0		0.0	3%
9	195	11	Surface	Vanadium	7.97E+01	0.0	0.0		0.0	3%
9	195	11	Surface	Totals		0.0	0.0	0.0	0.0	
9	195	11	Surface	Percent		14%	85%	2%		
9	195	12	Surface	Beryllium	7.50E-01	0.0	0.0	0.0	0.0	9%
9	195	12	Surface	Chromium	7.04E+01	0.0	0.0		0.0	5%
9	195	12	Surface	Nickel	6.78E+01	0.0	0.0	0.0	0.0	86%

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Table D.23. HIs for the Current Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	195	12	Surface	Totals		0.0	0.0	0.0	0.0	
9	195	12	Surface	Percent		1%	99%	0%		
9	195	13	Surface	Chromium	6.55E+01	0.0	0.0		0.0	5%
9	195	13	Surface	Nickel	6.91E+01	0.0	0.0	0.0	0.0	95%
9	195	13	Surface	Totals		0.0	0.0	0.0	0.0	
9	195	13	Surface	Percent		1%	98%	1%		
9	195	14	Surface	Chromium	5.94E+01	0.0	0.0		0.0	4%
9	195	14	Surface	Nickel	7.04E+01	0.0	0.0	0.0	0.0	96%
9	195	14	Surface	Totals		0.0	0.0	0.0	0.0	
9	195	14	Surface	Percent		1%	98%	1%		
9	195	15	Surface	Chromium	4.82E+01	0.0	0.0		0.0	100%
9	195	15	Surface	Totals		0.0	0.0		0.0	
9	195	15	Surface	Percent		0%	100%			
9	195	16	Surface	Chromium	4.45E+01	0.0	0.0		0.0	3%
9	195	16	Surface	Nickel	8.16E+01	0.0	0.0	0.0	0.0	97%
9	195	16	Surface	Totals		0.0	0.0	0.0	0.0	
9	195	16	Surface	Percent		1%	98%	1%		
9	195	17	Surface	Chromium	8.22E+01	0.0	0.0		0.0	3%
9	195	17	Surface	Mercury	4.17E-01	0.0	0.0		0.0	15%
9	195	17	Surface	Nickel	5.93E+01	0.0	0.0	0.0	0.0	45%
9	195	17	Surface	PCB, Total	7.40E-01				0.0	0%
9	195	17	Surface	Silver	1.01E+01	0.0	0.0		0.0	31%
9	195	17	Surface	Thallium	5.40E-01	0.0	0.0		0.0	6%
9	195	17	Surface	Total PAH	3.16E-01				0.0	0%
9	195	17	Surface	Totals		0.0	0.0	0.0	0.0	
9	195	17	Surface	Percent		2%	98%	0%		
9	492	1	Surface	Arsenic	1.47E+01	0.0	0.0	0.0	0.0	4%
9	492	1	Surface	Beryllium	1.04E+01	0.0	0.0	0.0	0.0	11%
9	492	1	Surface	Cadmium	3.14E+00	0.0	0.0	0.0	0.0	0%
9	492	1	Surface	Chromium	1.04E+03	0.0	0.0		0.0	6%
9	492	1	Surface	PCB, Total	4.41E+01				0.0	0%
9	492	1	Surface	Uranium	1.77E+03	0.0	0.1	0.0	0.1	77%
9	492	1	Surface	Vanadium	4.32E+01	0.0	0.0		0.0	1%
9	492	1	Surface	Totals		0.0	0.1	0.0	0.1	
9	492	1	Surface	Percent		15%	85%	0%		
9	493	1	Surface	Aluminum	1.44E+04	0.0	0.0	0.0	0.0	4%
9	493	1	Surface	Barium	4.04E+02	0.0	0.0	0.0	0.0	6%
9	493	1	Surface	Beryllium	9.91E-01	0.0	0.0	0.0	0.0	2%
9	493	1	Surface	Chromium	6.61E+01	0.0	0.0		0.0	1%
9	493	1	Surface	Cobalt	3.79E+01	0.0	0.0	0.0	0.0	30%
9	493	1	Surface	Manganese	3.55E+03	0.0	0.0	0.0	0.0	12%
9	493	1	Surface	Mercury	2.60E-01	0.0	0.0		0.0	2%
9	493	1	Surface	Nickel	2.13E+02	0.0	0.0	0.0	0.0	42%
9	493	1	Surface	PCB, Total	2.60E-01				0.0	0%
9	493	1	Surface	Total PAH	5.00E-01				0.0	0%
9	493	1	Surface	Vanadium	4.05E+01	0.0	0.0		0.0	1%
9	493	1	Surface	Totals		0.0	0.1	0.0	0.1	
9	493	1	Surface	Percent		8%	84%	8%		
9	517	1	Surface	Beryllium	7.39E-01	0.0	0.0	0.0	0.0	4%
9	517	1	Surface	Chromium	4.91E+01	0.0	0.0		0.0	1%
9	517	1	Surface	Nickel	1.72E+02	0.0	0.0	0.0	0.0	95%
9	517	1	Surface	PCB, Total	5.00E-01				0.0	0%
9	517	1	Surface	Totals		0.0	0.0	0.0	0.0	
9	517	1	Surface	Percent		1%	98%	1%		

SWMU = solid waste management unit
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Table D.23. HIs for the Current Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	541	1	Surface	Aluminum	1.43E+04	0.0	0.0	0.0	0.0	1%
9	541	1	Surface	Barium	1.28E+02	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Beryllium	6.98E-01	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Cadmium	1.68E+00	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Chromium	8.24E+02	0.0	0.0		0.0	2%
9	541	1	Surface	Iron	1.60E+04	0.0	0.0		0.0	1%
9	541	1	Surface	Mercury	9.81E-02	0.0	0.0		0.0	0%
9	541	1	Surface	Naphthalene	6.55E-01	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Nickel	1.52E+01	0.0	0.0	0.0	0.0	1%
9	541	1	Surface	PCB, Total	6.06E+01				0.0	0%
9	541	1	Surface	Total PAH	2.33E+00				0.0	0%
9	541	1	Surface	Uranium	6.38E+03	0.1	0.3	0.0	0.3	95%
9	541	1	Surface	Vanadium	3.04E+01	0.0	0.0		0.0	0%
9	541	1	Surface	Totals		0.1	0.3	0.0	0.4	
9	541	1	Surface	Percent		17%	82%	1%		
9	561	1	Surface	Antimony	9.36E-01	0.0	0.0		0.0	5%
9	561	1	Surface	Arsenic	1.66E+01	0.0	0.0	0.0	0.0	15%
9	561	1	Surface	Barium	1.40E+02	0.0	0.0	0.0	0.0	3%
9	561	1	Surface	Beryllium	6.85E-01	0.0	0.0	0.0	0.0	2%
9	561	1	Surface	Chromium	8.58E+01	0.0	0.0		0.0	1%
9	561	1	Surface	Cobalt	1.07E+01	0.0	0.0	0.0	0.0	14%
9	561	1	Surface	Iron	2.05E+04	0.0	0.0		0.0	12%
9	561	1	Surface	Manganese	1.61E+03	0.0	0.0	0.0	0.0	9%
9	561	1	Surface	PCB, Total	1.04E+00				0.0	0%
9	561	1	Surface	Thallium	3.33E-01	0.0	0.0		0.0	2%
9	561	1	Surface	Total PAH	3.94E-01				0.0	0%
9	561	1	Surface	Uranium	2.65E+02	0.0	0.0	0.0	0.0	35%
9	561	1	Surface	Vanadium	3.76E+01	0.0	0.0		0.0	2%
9	561	1	Surface	Totals		0.0	0.0	0.0	0.0	
9	561	1	Surface	Percent		16%	78%	6%		
9	561	2	Surface	Antimony	5.33E+00	0.0	0.0		0.0	12%
9	561	2	Surface	Arsenic	1.30E+01	0.0	0.0	0.0	0.0	5%
9	561	2	Surface	Beryllium	6.34E-01	0.0	0.0	0.0	0.0	1%
9	561	2	Surface	Cadmium	4.13E-01	0.0	0.0	0.0	0.0	0%
9	561	2	Surface	Chromium	2.88E+02	0.0	0.0		0.0	2%
9	561	2	Surface	Cobalt	1.14E+01	0.0	0.0	0.0	0.0	6%
9	561	2	Surface	Manganese	1.12E+03	0.0	0.0	0.0	0.0	2%
9	561	2	Surface	PCB, Total	1.64E+01				0.0	0%
9	561	2	Surface	Thallium	4.09E-01	0.0	0.0		0.0	1%
9	561	2	Surface	Total PAH	2.43E+00				0.0	0%
9	561	2	Surface	Uranium	1.38E+03	0.0	0.1	0.0	0.1	71%
9	561	2	Surface	Vanadium	3.46E+01	0.0	0.0		0.0	1%
9	561	2	Surface	Totals		0.0	0.1	0.0	0.1	
9	561	2	Surface	Percent		16%	83%	2%		
9	562	1	Surface	Uranium	8.73E+01	0.0	0.0	0.0	0.0	100%
9	562	1	Surface	Totals		0.0	0.0	0.0	0.0	
9	562	1	Surface	Percent		17%	82%	0%		
9	562	2	Surface	PCB, Total	1.58E+00				0.0	
9	562	2	Surface	Totals					0.0	
9	562	2	Surface	Percent						
9	562	3	Surface	Chromium	3.82E+01	0.0	0.0		0.0	8%
9	562	3	Surface	PCB, Total	2.40E-01				0.0	0%
9	562	3	Surface	Total PAH	2.20E-01				0.0	0%
9	562	3	Surface	Uranium	5.89E+01	0.0	0.0	0.0	0.0	92%

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Table D.23. HIs for the Current Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	562	3	Surface	Totals		0.0	0.0	0.0	0.0	
9	562	3	Surface	Percent		0.2	0.8	0.0		
9	562	4	Surface	Chromium	4.67E+01	0.0	0.0		0.0	22%
9	562	4	Surface	Uranium	2.10E+01	0.0	0.0	0.0	0.0	78%
9	562	4	Surface	Totals		0.0	0.0	0.0	0.0	
9	562	4	Surface	Percent		0.1	0.9	0.0		
9	562	5	Surface	Chromium	1.53E+02	0.0	0.0		0.0	9%
9	562	5	Surface	PCB, Total	9.50E-01				0.0	0%
9	562	5	Surface	Total PAH	7.05E-02				0.0	0%
9	562	5	Surface	Uranium	2.08E+02	0.0	0.0	0.0	0.0	91%
9	562	5	Surface	Totals		0.0	0.0	0.0	0.0	
9	562	5	Surface	Percent		0.2	0.8	0.0		
9	563	1	Surface	Cadmium	8.96E-01	0.0	0.0	0.0	0.0	4%
9	563	1	Surface	Chromium	2.85E+02	0.0	0.0		0.0	67%
9	563	1	Surface	PCB, Total	7.40E-01				0.0	0%
9	563	1	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	28%
9	563	1	Surface	Totals		0.0	0.0	0.0	0.0	
9	563	1	Surface	Percent		0.1	0.9	0.0		
9	564	1	Surface	Arsenic	4.30E+01	0.0	0.0	0.0	0.0	38%
9	564	1	Surface	Beryllium	2.12E+00	0.0	0.0	0.0	0.0	7%
9	564	1	Surface	Cadmium	1.96E+00	0.0	0.0	0.0	0.0	1%
9	564	1	Surface	Chromium	7.49E+01	0.0	0.0		0.0	1%
9	564	1	Surface	Iron	3.66E+04	0.0	0.0		0.0	20%
9	564	1	Surface	Mercury	2.30E-01	0.0	0.0		0.0	4%
9	564	1	Surface	Nickel	2.24E+01	0.0	0.0	0.0	0.0	7%
9	564	1	Surface	PCB, Total	1.93E+00				0.0	0%
9	564	1	Surface	Thallium	2.36E+00	0.0	0.0		0.0	11%
9	564	1	Surface	Uranium	5.83E+01	0.0	0.0	0.0	0.0	8%
9	564	1	Surface	Vanadium	8.06E+01	0.0	0.0		0.0	4%
9	564	1	Surface	Totals		0.0	0.0	0.0	0.0	
9	564	1	Surface	Percent		18%	81%	1%		
9	567	3	Surface	Chromium	3.79E+01	0.0	0.0		0.0	100%
9	567	3	Surface	Totals		0.0	0.0		0.0	
9	567	3	Surface	Percent		0.0	1.0			
9	567	4	Surface	Aluminum	1.25E+04	0.0	0.0	0.0	0.0	95%
9	567	4	Surface	Chromium	1.63E+01	0.0	0.0		0.0	5%
9	567	4	Surface	Totals		0.0	0.0	0.0	0.0	
9	567	4	Surface	Percent		0.2	0.8	0.1		
10	14	1	Surface	Arsenic	1.10E+01	0.0	0.0	0.0	0.0	10%
10	14	1	Surface	Chromium	6.36E+01	0.0	0.0		0.0	1%
10	14	1	Surface	Iron	1.89E+04	0.0	0.0		0.0	11%
10	14	1	Surface	Nickel	1.40E+02	0.0	0.0	0.0	0.0	47%
10	14	1	Surface	PCB, Total	5.00E-01				0.0	0%
10	14	1	Surface	Silver	1.67E+01	0.0	0.0		0.0	22%
10	14	1	Surface	Uranium	7.21E+01	0.0	0.0	0.0	0.0	10%
10	14	1	Surface	Totals		0.0	0.0	0.0	0.0	
10	14	1	Surface	Percent		0.1	0.9	0.0		
10	14	2	Surface	Antimony	3.70E+00	0.0	0.0		0.0	6%
10	14	2	Surface	Arsenic	1.45E+01	0.0	0.0	0.0	0.0	4%
10	14	2	Surface	Beryllium	7.10E-01	0.0	0.0	0.0	0.0	1%
10	14	2	Surface	Chromium	6.65E+01	0.0	0.0		0.0	0%
10	14	2	Surface	Copper	1.76E+02	0.0	0.0		0.0	1%
10	14	2	Surface	Iron	3.72E+04	0.0	0.0		0.0	6%
10	14	2	Surface	Manganese	1.44E+03	0.0	0.0	0.0	0.0	2%

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Table D.23. HIs for the Current Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	2	Surface	Mercury	2.67E-01	0.0	0.0		0.0	1%
10	14	2	Surface	Nickel	6.78E+02	0.0	0.1	0.0	0.1	67%
10	14	2	Surface	PCB, Total	3.90E-01				0.0	0%
10	14	2	Surface	Total PAH	3.38E-01				0.0	0%
10	14	2	Surface	Uranium	2.93E+02	0.0	0.0	0.0	0.0	12%
10	14	2	Surface	Totals		0.0	0.1	0.0	0.1	
10	14	2	Surface	Percent		0.1	0.9	0.0		
10	14	3	Surface	Arsenic	1.30E+01	0.0	0.0	0.0	0.0	3%
10	14	3	Surface	Chromium	7.01E+01	0.0	0.0		0.0	0%
10	14	3	Surface	Copper	1.29E+02	0.0	0.0		0.0	0%
10	14	3	Surface	Iron	3.48E+04	0.0	0.0		0.0	5%
10	14	3	Surface	Manganese	1.06E+03	0.0	0.0	0.0	0.0	2%
10	14	3	Surface	Mercury	7.48E+00	0.0	0.0		0.0	31%
10	14	3	Surface	Molybdenum	2.21E+01	0.0	0.0		0.0	0%
10	14	3	Surface	Nickel	5.76E+02	0.0	0.1	0.0	0.1	50%
10	14	3	Surface	PCB, Total	8.65E+00				0.0	0%
10	14	3	Surface	Uranium	2.18E+02	0.0	0.0	0.0	0.0	8%
10	14	3	Surface	Totals		0.0	0.1	0.0	0.1	
10	14	3	Surface	Percent		0.0	0.9	0.0		
10	14	4	Surface	Antimony	4.30E+00	0.0	0.0		0.0	6%
10	14	4	Surface	Arsenic	1.33E+01	0.0	0.0	0.0	0.0	3%
10	14	4	Surface	Chromium	7.20E+01	0.0	0.0		0.0	0%
10	14	4	Surface	Copper	3.54E+02	0.0	0.0		0.0	1%
10	14	4	Surface	Iron	3.88E+04	0.0	0.0		0.0	6%
10	14	4	Surface	Mercury	4.87E-01	0.0	0.0		0.0	2%
10	14	4	Surface	Nickel	7.31E+02	0.0	0.1	0.0	0.1	64%
10	14	4	Surface	PCB, Total	6.61E+00				0.0	0%
10	14	4	Surface	Silver	1.17E+01	0.0	0.0		0.0	4%
10	14	4	Surface	Total PAH	2.51E-01				0.0	0%
10	14	4	Surface	Uranium	3.72E+02	0.0	0.0	0.0	0.0	13%
10	14	4	Surface	Totals		0.0	0.1	0.0	0.1	
10	14	4	Surface	Percent		0.1	0.9	0.0		
10	14	5	Surface	Antimony	2.30E+00	0.0	0.0		0.0	3%
10	14	5	Surface	Arsenic	1.31E+01	0.0	0.0	0.0	0.0	3%
10	14	5	Surface	Cadmium	3.90E+00	0.0	0.0	0.0	0.0	0%
10	14	5	Surface	Chromium	4.70E+01	0.0	0.0		0.0	0%
10	14	5	Surface	Cobalt	1.40E+01	0.0	0.0	0.0	0.0	4%
10	14	5	Surface	Copper	1.34E+02	0.0	0.0		0.0	0%
10	14	5	Surface	Iron	3.92E+04	0.0	0.0		0.0	5%
10	14	5	Surface	Manganese	8.28E+02	0.0	0.0	0.0	0.0	1%
10	14	5	Surface	Mercury	1.09E+01	0.0	0.1		0.1	38%
10	14	5	Surface	Nickel	4.61E+02	0.0	0.1	0.0	0.1	34%
10	14	5	Surface	PCB, Total	1.00E+00				0.0	0%
10	14	5	Surface	Silver	1.29E+01	0.0	0.0		0.0	4%
10	14	5	Surface	Thallium	4.10E-01	0.0	0.0		0.0	0%
10	14	5	Surface	Total PAH	1.21E-01				0.0	0%
10	14	5	Surface	Uranium	2.62E+02	0.0	0.0	0.0	0.0	8%
10	14	5	Surface	Totals		0.0	0.2	0.0	0.2	
10	14	5	Surface	Percent		0.0	0.9	0.0		
10	14	6	Surface	Antimony	2.70E+00	0.0	0.0		0.0	3%
10	14	6	Surface	Cadmium	8.40E-01	0.0	0.0	0.0	0.0	0%
10	14	6	Surface	Chromium	4.46E+02	0.0	0.0		0.0	2%
10	14	6	Surface	Copper	1.22E+02	0.0	0.0		0.0	0%
10	14	6	Surface	Mercury	3.47E-01	0.0	0.0		0.0	1%

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.23. HIs for the Current Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	6	Surface	Nickel	9.63E+02	0.0	0.1	0.0	0.1	72%
10	14	6	Surface	PCB, Total	5.00E+00				0.0	0%
10	14	6	Surface	Silver	1.19E+01	0.0	0.0		0.0	4%
10	14	6	Surface	Uranium	5.79E+02	0.0	0.0	0.0	0.0	17%
10	14	6	Surface	Totals		0.0	0.2	0.0	0.2	
10	14	6	Surface	Percent		0.0	1.0	0.0		
10	14	7	Surface	Antimony	7.50E-01	0.0	0.0		0.0	1%
10	14	7	Surface	Arsenic	1.13E+01	0.0	0.0	0.0	0.0	2%
10	14	7	Surface	Cadmium	2.70E+00	0.0	0.0	0.0	0.0	0%
10	14	7	Surface	Chromium	6.46E+01	0.0	0.0		0.0	0%
10	14	7	Surface	Mercury	7.82E+00	0.0	0.0		0.0	21%
10	14	7	Surface	Nickel	1.22E+03	0.0	0.2	0.0	0.2	69%
10	14	7	Surface	PCB, Total	7.60E+00				0.0	0%
10	14	7	Surface	Total PAH	6.31E-02				0.0	0%
10	14	7	Surface	Uranium	3.33E+02	0.0	0.0	0.0	0.0	7%
10	14	7	Surface	Totals		0.0	0.2	0.0	0.2	
10	14	7	Surface	Percent		0.0	1.0	0.0		
10	14	8	Surface	Antimony	6.10E-01	0.0	0.0		0.0	1%
10	14	8	Surface	Arsenic	1.14E+01	0.0	0.0	0.0	0.0	2%
10	14	8	Surface	Chromium	4.60E+01	0.0	0.0		0.0	0%
10	14	8	Surface	Mercury	7.90E+00	0.0	0.0		0.0	30%
10	14	8	Surface	Nickel	6.73E+02	0.0	0.1	0.0	0.1	53%
10	14	8	Surface	PCB, Total	5.00E+00				0.0	0%
10	14	8	Surface	Silver	9.63E+00	0.0	0.0		0.0	3%
10	14	8	Surface	Total PAH	6.28E-02				0.0	0%
10	14	8	Surface	Uranium	3.35E+02	0.0	0.0	0.0	0.0	11%
10	14	8	Surface	Totals		0.0	0.2	0.0	0.2	
10	14	8	Surface	Percent		0.0	1.0	0.0		
10	14	9	Surface	Antimony	2.00E+00	0.0	0.0		0.0	2%
10	14	9	Surface	Arsenic	1.40E+01	0.0	0.0	0.0	0.0	2%
10	14	9	Surface	Cadmium	9.40E-01	0.0	0.0	0.0	0.0	0%
10	14	9	Surface	Chromium	4.64E+01	0.0	0.0		0.0	0%
10	14	9	Surface	Mercury	1.13E+00	0.0	0.0		0.0	3%
10	14	9	Surface	Nickel	9.43E+02	0.0	0.1	0.0	0.1	57%
10	14	9	Surface	PCB, Total	6.84E+00				0.0	0%
10	14	9	Surface	Total PAH	4.87E-01				0.0	0%
10	14	9	Surface	Uranium	1.46E+03	0.0	0.1	0.0	0.1	35%
10	14	9	Surface	Totals		0.0	0.2	0.0	0.2	
10	14	9	Surface	Percent		0.1	0.9	0.0		
10	14	10	Surface	Antimony	9.40E-01	0.0	0.0		0.0	1%
10	14	10	Surface	Arsenic	1.12E+01	0.0	0.0	0.0	0.0	2%
10	14	10	Surface	Chromium	4.19E+01	0.0	0.0		0.0	0%
10	14	10	Surface	Copper	1.41E+02	0.0	0.0		0.0	0%
10	14	10	Surface	Iron	2.75E+04	0.0	0.0		0.0	2%
10	14	10	Surface	Mercury	2.51E+01	0.0	0.2		0.2	59%
10	14	10	Surface	Nickel	6.00E+02	0.0	0.1	0.0	0.1	30%
10	14	10	Surface	PCB, Total	9.38E+00				0.0	0%
10	14	10	Surface	Total PAH	2.72E-01				0.0	0%
10	14	10	Surface	Uranium	2.88E+02	0.0	0.0	0.0	0.0	6%
10	14	10	Surface	Totals		0.0	0.3	0.0	0.3	
10	14	10	Surface	Percent		0.0	1.0	0.0		
10	518	1	Surface	Carbazole	1.17E+01				0.0	0%
10	518	1	Surface	Cobalt	6.80E+00	0.0	0.0	0.0	0.0	21%
10	518	1	Surface	Nickel	1.29E+01	0.0	0.0	0.0	0.0	10%

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.23. HIs for the Current Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	518	1	Surface	PCB, Total	6.30E-01				0.0	0%
10	518	1	Surface	Pyrene	3.94E+01	0.0	0.0	0.0	0.0	3%
10	518	1	Surface	Total PAH	3.90E+01				0.0	0%
10	518	1	Surface	Uranium	2.17E+02	0.0	0.0	0.0	0.0	66%
10	518	1	Surface	Totals		0.0	0.0	0.0	0.0	
10	518	1	Surface	Percent		0.2	0.8	0.0		
10	520	1	Surface	Chromium	3.17E+01	0.0	0.0		0.0	0%
10	520	1	Surface	Iron	1.56E+04	0.0	0.0		0.0	3%
10	520	1	Surface	Mercury	1.07E+01	0.0	0.1		0.1	59%
10	520	1	Surface	Nickel	2.60E+02	0.0	0.0	0.0	0.0	30%
10	520	1	Surface	Silver	1.30E+01	0.0	0.0		0.0	6%
10	520	1	Surface	Total PAH	3.18E-02				0.0	0%
10	520	1	Surface	Uranium	2.29E+01	0.0	0.0	0.0	0.0	1%
10	520	1	Surface	Totals		0.0	0.1	0.0	0.1	
10	520	1	Surface	Percent		0.0	1.0	0.0		
10	520	2	Surface	Beryllium	5.79E-01	0.0	0.0	0.0	0.0	1%
10	520	2	Surface	Chromium	6.67E+01	0.0	0.0		0.0	0%
10	520	2	Surface	Manganese	5.89E+02	0.0	0.0	0.0	0.0	1%
10	520	2	Surface	Mercury	1.19E+01	0.0	0.1		0.1	62%
10	520	2	Surface	Nickel	3.11E+02	0.0	0.0	0.0	0.0	34%
10	520	2	Surface	Total PAH	3.17E-01				0.0	0%
10	520	2	Surface	Uranium	3.96E+01	0.0	0.0	0.0	0.0	2%
10	520	2	Surface	Totals		0.0	0.1	0.0	0.1	
10	520	2	Surface	Percent		0.0	1.0	0.0		
10	520	3	Surface	Chromium	3.97E+01	0.0	0.0		0.0	1%
10	520	3	Surface	Copper	1.19E+02	0.0	0.0		0.0	1%
10	520	3	Surface	Nickel	2.65E+02	0.0	0.0	0.0	0.0	81%
10	520	3	Surface	Silver	1.27E+01	0.0	0.0		0.0	15%
10	520	3	Surface	Total PAH	1.18E-01				0.0	0%
10	520	3	Surface	Uranium	1.92E+01	0.0	0.0	0.0	0.0	2%
10	520	3	Surface	Totals		0.0	0.0	0.0	0.0	
10	520	3	Surface	Percent		0.0	1.0	0.0		
10	520	4	Surface	Chromium	3.82E+01	0.0	0.0		0.0	0%
10	520	4	Surface	Copper	1.11E+02	0.0	0.0		0.0	0%
10	520	4	Surface	Mercury	9.69E+00	0.0	0.1		0.1	58%
10	520	4	Surface	Nickel	2.82E+02	0.0	0.0	0.0	0.0	35%
10	520	4	Surface	Silver	1.04E+01	0.0	0.0		0.0	5%
10	520	4	Surface	Total PAH	5.52E-01				0.0	0%
10	520	4	Surface	Uranium	2.40E+01	0.0	0.0	0.0	0.0	1%
10	520	4	Surface	Totals		0.0	0.1	0.0	0.1	
10	520	4	Surface	Percent		0.0	1.0	0.0		
10	520	5	Surface	Antimony	9.60E-01	0.0	0.0		0.0	10%
10	520	5	Surface	Chromium	3.68E+01	0.0	0.0		0.0	1%
10	520	5	Surface	Nickel	1.47E+02	0.0	0.0	0.0	0.0	89%
10	520	5	Surface	Total PAH	3.87E-01				0.0	0%
10	520	5	Surface	Totals		0.0	0.0	0.0	0.0	
10	520	5	Surface	Percent		0.0	1.0	0.0		
11	81	1	Surface	Aluminum	9.57E+03	0.0	0.0	0.0	0.0	0%
11	81	1	Surface	Arsenic	1.03E+01	0.0	0.0	0.0	0.0	1%
11	81	1	Surface	Beryllium	7.57E-01	0.0	0.0	0.0	0.0	0%
11	81	1	Surface	Chromium	8.62E+01	0.0	0.0		0.0	0%
11	81	1	Surface	Mercury	8.33E+00	0.0	0.1		0.1	13%
11	81	1	Surface	Nickel	7.29E+01	0.0	0.0	0.0	0.0	2%
11	81	1	Surface	PCB, Total	1.60E+02				0.0	0%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.23. HIs for the Current Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
11	81	1	Surface	Silver	2.70E+00	0.0	0.0		0.0	0%
11	81	1	Surface	Total PAH	5.53E-01				0.0	0%
11	81	1	Surface	Uranium	6.50E+03	0.1	0.3	0.0	0.3	83%
11	81	1	Surface	Totals		0.1	0.3	0.0	0.4	
11	81	1	Surface	Percent		0.2	0.8	0.0		
11	153	1	Surface	PCB, Total	5.09E-01				0.0	
11	153	1	Surface	Total PAH	8.69E-02				0.0	
11	153	1	Surface	Totals					0.0	
11	153	1	Surface	Percent						
11	156	1	Surface	Chromium	4.90E+01	0.0	0.0		0.0	0%
11	156	1	Surface	Manganese	2.83E+03	0.0	0.0	0.0	0.0	8%
11	156	1	Surface	Mercury	9.87E+00	0.0	0.1		0.1	80%
11	156	1	Surface	Nickel	6.16E+01	0.0	0.0	0.0	0.0	10%
11	156	1	Surface	PCB, Total	3.00E-01				0.0	0%
11	156	1	Surface	Total PAH	8.26E-02				0.0	0%
11	156	1	Surface	Uranium	2.32E+01	0.0	0.0	0.0	0.0	2%
11	156	1	Surface	Totals		0.0	0.1	0.0	0.1	
11	156	1	Surface	Percent		0.0	0.9	0.0		
11	160	1	Surface	Antimony	6.80E-01	0.0	0.0		0.0	100%
11	160	1	Surface	Total PAH	5.29E-02				0.0	0%
11	160	1	Surface	Totals		0.0	0.0		0.0	
11	160	1	Surface	Percent		0.0	1.0			
11	163	1	Surface	Chromium	4.94E+01	0.0	0.0		0.0	100%
11	163	1	Surface	Total PAH	1.63E-01				0.0	0%
11	163	1	Surface	Totals		0.0	0.0		0.0	
11	163	1	Surface	Percent		0.0	1.0			
11	219	1	Surface	Nickel	6.71E+01	0.0	0.0	0.0	0.0	100%
11	219	1	Surface	Total PAH	7.50E-02				0.0	0%
11	219	1	Surface	Totals		0.0	0.0	0.0	0.0	
11	219	1	Surface	Percent		0.0	1.0	0.0		
11	488	1	Surface	PCB, Total	1.03E+01				0.0	0%
11	488	1	Surface	Total PAH	2.50E-01				0.0	0%
11	488	1	Surface	Uranium	1.48E+01	0.0	0.0	0.0	0.0	100%
11	488	1	Surface	Totals		0.0	0.0	0.0	0.0	
11	488	1	Surface	Percent		0.2	0.8	0.0		

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	1	1	Surface	Beryllium	3.89E+00	0.0	0.1	0.0	0.1	96%
5	1	1	Surface	Cadmium	1.10E+00	0.0	0.0	0.0	0.0	3%
5	1	1	Surface	Chromium	1.28E+01	0.0	0.0		0.0	2%
5	1	1	Surface	PCB, Total	1.76E-01				0.0	0%
5	1	1	Surface	Totals		0.0	0.1	0.0	0.1	
5	1	1	Surface	Percent		2%	98%	0%		
5	1	2	Surface	Beryllium	8.23E+00	0.0	0.2	0.0	0.2	14%
5	1	2	Surface	Cadmium	6.46E+00	0.0	0.0	0.0	0.0	1%
5	1	2	Surface	Chromium	2.01E+02	0.0	0.0		0.0	2%
5	1	2	Surface	Copper	1.81E+02	0.0	0.0		0.0	1%
5	1	2	Surface	Mercury	5.94E+00	0.0	0.7		0.7	48%
5	1	2	Surface	Nickel	5.75E+01	0.0	0.1	0.0	0.1	10%
5	1	2	Surface	PCB, Total	3.21E+01				0.0	0%
5	1	2	Surface	Silver	3.31E+01	0.0	0.3		0.3	22%
5	1	2	Surface	Thallium	3.70E-01	0.0	0.0		0.0	1%
5	1	2	Surface	Vanadium	3.49E+01	0.0	0.0		0.0	1%
5	1	2	Surface	Totals		0.0	1.3	0.0	1.4	
5	1	2	Surface	Percent		2%	98%	1.37E-03		
5	1	3	Surface	Chromium	1.45E+01	0.0	0.0		0.0	100%
5	1	3	Surface	PCB, Total	2.17E-01				0.0	0%
5	1	3	Surface	Totals		0.0	0.0		0.0	
5	1	3	Surface	Percent		0%	100%			
5	1	4	Surface	Beryllium	7.25E-01	0.0	0.0	0.0	0.0	12%
5	1	4	Surface	Chromium	9.30E+01	0.0	0.0		0.0	8%
5	1	4	Surface	Nickel	4.69E+01	0.0	0.1	0.0	0.1	80%
5	1	4	Surface	PCB, Total	1.30E-01				0.0	0%
5	1	4	Surface	Totals		0.0	0.1	0.0	0.1	
5	1	4	Surface	Percent		1%	99%	0%		
5	1	5	Surface	Beryllium	8.30E+00	0.0	0.2	0.0	0.2	66%
5	1	5	Surface	Cadmium	1.20E+00	0.0	0.0	0.0	0.0	1%
5	1	5	Surface	Nickel	4.07E+01	0.0	0.1	0.0	0.1	33%
5	1	5	Surface	PCB, Total	2.70E-01				0.0	0%
5	1	5	Surface	Total PAH	9.83E-02				0.0	0%
5	1	5	Surface	Totals		0.0	0.3	0.0	0.3	
5	1	5	Surface	Percent		1%	98%	0%		
5	99	1	Surface	Chromium	5.51E+01	0.0	0.0		0.0	0%
5	99	1	Surface	Mercury	9.53E+00	0.0	1.0		1.1	80%
5	99	1	Surface	Nickel	7.02E+01	0.0	0.2	0.0	0.2	12%
5	99	1	Surface	Silver	1.03E+01	0.0	0.1		0.1	7%
5	99	1	Surface	Totals		0.0	1.3	0.0	1.3	
5	99	1	Surface	Percent		1%	99%	0%		
5	194	1	Surface	Antimony	1.50E+00	0.0	0.1		0.1	6%
5	194	1	Surface	Chromium	3.87E+01	0.0	0.0		0.0	0%
5	194	1	Surface	Mercury	6.71E+00	0.0	0.7		0.7	71%
5	194	1	Surface	Nickel	5.84E+01	0.0	0.1	0.0	0.1	13%
5	194	1	Surface	Silver	1.09E+01	0.0	0.1		0.1	10%
5	194	1	Surface	Totals		0.0	1.0	0.0	1.0	
5	194	1	Surface	Percent		1%	98%	0%		
5	194	2	Surface	Chromium	5.96E+01	0.0	0.0		0.0	5%
5	194	2	Surface	Silver	1.31E+01	0.0	0.1		0.1	81%
5	194	2	Surface	Uranium	2.28E+01	0.0	0.0	0.0	0.0	14%
5	194	2	Surface	Totals		0.0	0.1	0.0	0.2	
5	194	2	Surface	Percent		3%	97%	0%		
5	194	3	Surface	Antimony	6.90E-01	0.0	0.0		0.0	10%
5	194	3	Surface	Arsenic	1.46E+01	0.0	0.1	0.0	0.1	34%
5	194	3	Surface	Chromium	3.90E+01	0.0	0.0		0.0	2%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	3	Surface	Nickel	6.40E+01	0.0	0.1	0.0	0.1	55%
5	194	3	Surface	Total PAH	3.93E-02				0.0	0%
5	194	3	Surface	Totals		0.0	0.2	0.0	0.3	
5	194	3	Surface	Percent		10%	90%	1%		
5	194	4	Surface	Chromium	4.84E+01	0.0	0.0		0.0	0%
5	194	4	Surface	Mercury	8.92E+00	0.0	1.0		1.0	78%
5	194	4	Surface	Nickel	6.91E+01	0.0	0.2	0.0	0.2	13%
5	194	4	Surface	Silver	1.18E+01	0.0	0.1		0.1	9%
5	194	4	Surface	Total PAH	7.30E-02				0.0	0%
5	194	4	Surface	Totals		0.0	1.2	0.0	1.3	
5	194	4	Surface	Percent		1%	99%	0%		
5	194	5	Surface	Chromium	4.58E+01	0.0	0.0		0.0	0%
5	194	5	Surface	Mercury	8.69E+00	0.0	1.0		1.0	76%
5	194	5	Surface	Nickel	7.54E+01	0.0	0.2	0.0	0.2	14%
5	194	5	Surface	Silver	1.25E+01	0.0	0.1		0.1	9%
5	194	5	Surface	Total PAH	2.37E-02				0.0	0%
5	194	5	Surface	Totals		0.0	1.2	0.0	1.3	
5	194	5	Surface	Percent		1%	99%	0%		
5	194	6	Surface	Chromium	3.70E+01	0.0	0.0		0.0	1%
5	194	6	Surface	Manganese	1.08E+03	0.0	0.0	0.0	0.0	13%
5	194	6	Surface	Nickel	8.06E+01	0.0	0.2	0.0	0.2	58%
5	194	6	Surface	Silver	9.89E+00	0.0	0.1		0.1	28%
5	194	6	Surface	Totals		0.0	0.3	0.0	0.3	
5	194	6	Surface	Percent		2%	90%	8%		
5	194	7	Surface	Chromium	5.32E+01	0.0	0.0		0.0	2%
5	194	7	Surface	Nickel	7.71E+01	0.0	0.2	0.0	0.2	60%
5	194	7	Surface	Silver	1.25E+01	0.0	0.1		0.1	38%
5	194	7	Surface	Totals		0.0	0.3	0.0	0.3	
5	194	7	Surface	Percent		1%	99%	0%		
5	194	8	Surface	Bis(2-ethylhexyl)phthalate	1.50E+01	0.0	0.0		0.0	9%
5	194	8	Surface	Chromium	5.36E+01	0.0	0.0		0.0	15%
5	194	8	Surface	Manganese	8.00E+02	0.0	0.0	0.0	0.0	75%
5	194	8	Surface	Total PAH	4.85E-01				0.0	0%
5	194	8	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	8	Surface	Percent		8%	49%	43%		
5	194	9	Surface	Arsenic	1.14E+01	0.0	0.1	0.0	0.1	92%
5	194	9	Surface	Chromium	5.17E+01	0.0	0.0		0.0	8%
5	194	9	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	9	Surface	Percent		24%	75%	1%		
5	194	10	Surface	Arsenic	1.22E+01	0.0	0.1	0.0	0.1	30%
5	194	10	Surface	Chromium	3.63E+01	0.0	0.0		0.0	2%
5	194	10	Surface	Nickel	7.60E+01	0.0	0.2	0.0	0.2	69%
5	194	10	Surface	Total PAH	2.57E-01				0.0	0%
5	194	10	Surface	Totals		0.0	0.2	0.0	0.3	
5	194	10	Surface	Percent		8%	91%	1%		
5	194	11	Surface	Chromium	3.27E+01	0.0	0.0		0.0	0%
5	194	11	Surface	Mercury	8.09E+00	0.0	0.9		0.9	71%
5	194	11	Surface	Nickel	1.01E+02	0.0	0.2	0.0	0.2	19%
5	194	11	Surface	PCB, Total	8.40E-02				0.0	0%
5	194	11	Surface	Silver	1.33E+01	0.0	0.1		0.1	10%
5	194	11	Surface	Total PAH	7.95E-02				0.0	0%
5	194	11	Surface	Totals		0.0	1.2	0.0	1.3	
5	194	11	Surface	Percent		1%	99%	0%		
5	194	12	Surface	Chromium	6.34E+01	0.0	0.0		0.0	2%
5	194	12	Surface	Nickel	7.86E+01	0.0	0.2	0.0	0.2	61%
5	194	12	Surface	Silver	1.20E+01	0.0	0.1		0.1	37%

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Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	12	Surface	Total PAH	8.91E-01				0.0	0%
5	194	12	Surface	Totals		0.0	0.3	0.0	0.3	
5	194	12	Surface	Percent		1%	99%	0%		
5	194	13	Surface	Chromium	4.77E+01	0.0	0.0		0.0	4%
5	194	13	Surface	Nickel	6.03E+01	0.0	0.1	0.0	0.1	96%
5	194	13	Surface	Total PAH	9.13E-02				0.0	0%
5	194	13	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	13	Surface	Percent		1%	98%	1%		
5	194	14	Surface	Chromium	5.21E+01	0.0	0.0		0.0	1%
5	194	14	Surface	Mercury	8.14E+00	0.0	0.9		0.9	99%
5	194	14	Surface	Totals		0.0	0.9		0.9	
5	194	14	Surface	Percent		1%	99%			
5	194	15	Surface	Chromium	5.33E+01	0.0	0.0		0.0	6%
5	194	15	Surface	Silver	1.03E+01	0.0	0.1		0.1	94%
5	194	15	Surface	Totals		0.0	0.1		0.1	
5	194	15	Surface	Percent		1%	99%			
5	194	16	Surface	Antimony	7.40E-01	0.0	0.0		0.0	9%
5	194	16	Surface	Arsenic	1.15E+01	0.0	0.1	0.0	0.1	22%
5	194	16	Surface	Beryllium	8.70E-01	0.0	0.0	0.0	0.0	6%
5	194	16	Surface	Chromium	5.32E+01	0.0	0.0		0.0	2%
5	194	16	Surface	Nickel	7.20E+01	0.0	0.2	0.0	0.2	51%
5	194	16	Surface	Thallium	6.30E-01	0.0	0.0		0.0	7%
5	194	16	Surface	Vanadium	4.11E+01	0.0	0.0		0.0	4%
5	194	16	Surface	Totals		0.0	0.3	0.0	0.3	
5	194	16	Surface	Percent		9%	91%	1%		
5	194	17	Surface	Arsenic	1.16E+01	0.0	0.1	0.0	0.1	90%
5	194	17	Surface	Cadmium	1.10E+00	0.0	0.0	0.0	0.0	3%
5	194	17	Surface	Chromium	4.65E+01	0.0	0.0		0.0	7%
5	194	17	Surface	Total PAH	1.59E-01				0.0	0%
5	194	17	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	17	Surface	Percent		24%	75%	1%		
5	194	18	Surface	Arsenic	1.06E+01	0.0	0.0	0.0	0.1	29%
5	194	18	Surface	Beryllium	7.40E-01	0.0	0.0	0.0	0.0	8%
5	194	18	Surface	Chromium	6.85E+01	0.0	0.0		0.0	4%
5	194	18	Surface	Nickel	5.78E+01	0.0	0.1	0.0	0.1	59%
5	194	18	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	18	Surface	Percent		8%	91%	1%		
5	194	19	Surface	Arsenic	1.07E+01	0.0	0.0	0.0	0.1	32%
5	194	19	Surface	Chromium	4.84E+01	0.0	0.0		0.0	3%
5	194	19	Surface	Nickel	5.84E+01	0.0	0.1	0.0	0.1	65%
5	194	19	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	19	Surface	Percent		9%	90%	1%		
5	194	20	Surface	Arsenic	1.18E+01	0.0	0.1	0.0	0.1	5%
5	194	20	Surface	Barium	3.26E+02	0.0	0.1	0.0	0.1	4%
5	194	20	Surface	Beryllium	1.10E+00	0.0	0.0	0.0	0.0	2%
5	194	20	Surface	Chromium	5.24E+01	0.0	0.0		0.0	0%
5	194	20	Surface	Cobalt	2.11E+01	0.0	0.2	0.0	0.2	13%
5	194	20	Surface	Manganese	2.29E+03	0.0	0.0	0.1	0.1	6%
5	194	20	Surface	Mercury	7.28E+00	0.0	0.8		0.8	53%
5	194	20	Surface	Nickel	6.57E+01	0.0	0.2	0.0	0.2	10%
5	194	20	Surface	Silver	1.22E+01	0.0	0.1		0.1	7%
5	194	20	Surface	Total PAH	3.10E-02				0.0	0%
5	194	20	Surface	Vanadium	3.81E+01	0.0	0.0		0.0	1%
5	194	20	Surface	Totals		0.1	1.4	0.1	1.5	
5	194	20	Surface	Percent		5%	91%	4%		
5	194	21	Surface	Antimony	9.30E-01	0.0	0.0		0.0	4%

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Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	21	Surface	Chromium	5.51E+01	0.0	0.0		0.0	1%
5	194	21	Surface	Mercury	6.62E+00	0.0	0.7		0.7	76%
5	194	21	Surface	Nickel	7.01E+01	0.0	0.2	0.0	0.2	17%
5	194	21	Surface	Thallium	6.40E-01	0.0	0.0		0.0	2%
5	194	21	Surface	Totals		0.0	0.9	0.0	1.0	
5	194	21	Surface	Percent		2%	98%	0%		
5	194	22	Surface	Chromium	4.90E+01	0.0	0.0		0.0	15%
5	194	22	Surface	Manganese	8.19E+02	0.0	0.0	0.0	0.0	85%
5	194	22	Surface	PCB, Total	1.09E+01				0.0	0%
5	194	22	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	22	Surface	Percent		8%	44%	48%		
5	194	23	Surface	Arsenic	1.16E+01	0.0	0.1	0.0	0.1	16%
5	194	23	Surface	Chromium	6.60E+01	0.0	0.0		0.0	2%
5	194	23	Surface	Iron	1.83E+04	0.0	0.1		0.1	16%
5	194	23	Surface	Nickel	8.77E+01	0.0	0.2	0.0	0.2	44%
5	194	23	Surface	Silver	1.15E+01	0.0	0.1		0.1	23%
5	194	23	Surface	Totals		0.0	0.4	0.0	0.5	
5	194	23	Surface	Percent		8%	92%	0%		
5	194	24	Surface	Chromium	5.02E+01	0.0	0.0		0.0	3%
5	194	24	Surface	Nickel	7.08E+01	0.0	0.2	0.0	0.2	97%
5	194	24	Surface	Total PAH	2.28E-02				0.0	0%
5	194	24	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	24	Surface	Percent		1%	98%	1%		
5	194	25	Surface	Barium	3.00E+02	0.0	0.0	0.0	0.1	21%
5	194	25	Surface	Chromium	6.13E+01	0.0	0.0		0.0	3%
5	194	25	Surface	Manganese	9.96E+02	0.0	0.0	0.0	0.0	16%
5	194	25	Surface	Nickel	6.33E+01	0.0	0.1	0.0	0.1	61%
5	194	25	Surface	Total PAH	2.06E-02				0.0	0%
5	194	25	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	25	Surface	Percent		2%	88%	10%		
5	194	26	Surface	Beryllium	7.00E-01	0.0	0.0	0.0	0.0	13%
5	194	26	Surface	Chromium	4.18E+01	0.0	0.0		0.0	4%
5	194	26	Surface	Silver	1.03E+01	0.0	0.1		0.1	73%
5	194	26	Surface	Thallium	3.90E-01	0.0	0.0		0.0	10%
5	194	26	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	26	Surface	Percent		3%	97%	0%		
5	194	27	Surface	Chromium	5.22E+01	0.0	0.0		0.0	2%
5	194	27	Surface	Nickel	6.55E+01	0.0	0.2	0.0	0.2	60%
5	194	27	Surface	Silver	1.01E+01	0.0	0.1		0.1	37%
5	194	27	Surface	Totals		0.0	0.2	0.0	0.3	
5	194	27	Surface	Percent		1%	99%	0%		
5	194	28	Surface	Arsenic	1.20E+01	0.0	0.1	0.0	0.1	18%
5	194	28	Surface	Beryllium	7.10E-01	0.0	0.0	0.0	0.0	4%
5	194	28	Surface	Chromium	6.07E+01	0.0	0.0		0.0	2%
5	194	28	Surface	Manganese	1.14E+03	0.0	0.0	0.0	0.0	10%
5	194	28	Surface	Nickel	6.95E+01	0.0	0.2	0.0	0.2	39%
5	194	28	Surface	Silver	1.08E+01	0.0	0.1		0.1	24%
5	194	28	Surface	Vanadium	4.06E+01	0.0	0.0		0.0	3%
5	194	28	Surface	Totals		0.0	0.4	0.0	0.4	
5	194	28	Surface	Percent		7%	86%	6%		
5	194	29	Surface	Antimony	7.10E-01	0.0	0.0		0.0	10%
5	194	29	Surface	Chromium	5.06E+01	0.0	0.0		0.0	2%
5	194	29	Surface	Nickel	6.51E+01	0.0	0.1	0.0	0.2	55%
5	194	29	Surface	Silver	9.77E+00	0.0	0.1		0.1	33%
5	194	29	Surface	Totals		0.0	0.3	0.0	0.3	
5	194	29	Surface	Percent		1%	98%	0%		

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Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	30	Surface	Chromium	5.66E+01	0.0	0.0		0.0	1%
5	194	30	Surface	Mercury	8.80E+00	0.0	1.0		1.0	79%
5	194	30	Surface	Nickel	6.99E+01	0.0	0.2	0.0	0.2	13%
5	194	30	Surface	Silver	9.76E+00	0.0	0.1		0.1	7%
5	194	30	Surface	Totals		0.0	1.2	0.0	1.2	
5	194	30	Surface	Percent		1%	99%	0%		
5	196	1	Surface	Antimony	5.90E-01	0.0	0.0		0.0	2%
5	196	1	Surface	Chromium	1.96E+01	0.0	0.0		0.0	0%
5	196	1	Surface	Nickel	5.56E+02	0.0	1.3	0.0	1.3	96%
5	196	1	Surface	Uranium	2.33E+01	0.0	0.0	0.0	0.0	2%
5	196	1	Surface	Totals		0.0	1.3	0.0	1.3	
5	196	1	Surface	Percent		1%	98%	1%		
5	196	2	Surface	Barium	2.02E+02	0.0	0.0	0.0	0.0	16%
5	196	2	Surface	Cadmium	2.53E+00	0.0	0.0	0.0	0.0	3%
5	196	2	Surface	Chromium	2.07E+01	0.0	0.0		0.0	1%
5	196	2	Surface	Nickel	7.36E+01	0.0	0.2	0.0	0.2	80%
5	196	2	Surface	PCB, Total	1.51E+00				0.0	0%
5	196	2	Surface	Total PAH	6.80E-01				0.0	0%
5	196	2	Surface	Totals		0.0	0.2	0.0	0.2	
5	196	2	Surface	Percent		2%	98%	1%		
5	489	1	Surface	Chromium	4.16E+01	0.0	0.0		0.0	3%
5	489	1	Surface	Nickel	7.88E+01	0.0	0.2	0.0	0.2	97%
5	489	1	Surface	Total PAH	8.22E-02				0.0	0%
5	489	1	Surface	Totals		0.0	0.2	0.0	0.2	
5	489	1	Surface	Percent		1%	98%	1%		
5	531	1	Surface	Antimony	1.00E+00	0.0	0.0		0.0	4%
5	531	1	Surface	Arsenic	4.68E+01	0.1	0.2	0.0	0.3	30%
5	531	1	Surface	Cadmium	3.10E+00	0.0	0.0	0.0	0.0	1%
5	531	1	Surface	Chromium	5.05E+01	0.0	0.0		0.0	1%
5	531	1	Surface	Iron	5.68E+04	0.0	0.2		0.2	23%
5	531	1	Surface	Nickel	1.62E+02	0.0	0.4	0.0	0.4	38%
5	531	1	Surface	Total PAH	5.34E-02				0.0	0%
5	531	1	Surface	Uranium	2.41E+01	0.0	0.0	0.0	0.0	2%
5	531	1	Surface	Zinc	2.45E+03	0.0	0.0		0.0	2%
5	531	1	Surface	Totals		0.1	0.9	0.0	1.0	
5	531	1	Surface	Percent		13%	86%	1%		
6	200	1	Surface	Antimony	5.60E-01	0.0	0.0		0.0	2%
6	200	1	Surface	Chromium	5.75E+01	0.0	0.0		0.0	1%
6	200	1	Surface	Mercury	6.71E+00	0.0	0.7		0.7	68%
6	200	1	Surface	Nickel	1.28E+02	0.0	0.3	0.0	0.3	27%
6	200	1	Surface	PCB, Total	2.60E+00				0.0	0%
6	200	1	Surface	Total PAH	2.84E-02				0.0	0%
6	200	1	Surface	Uranium	2.73E+01	0.0	0.0	0.0	0.0	2%
6	200	1	Surface	Totals		0.0	1.1	0.0	1.1	
6	200	1	Surface	Percent		2%	98%	0%		
6	212	1	Surface	Arsenic	1.44E+01	0.0	0.1	0.0	0.1	18%
6	212	1	Surface	Beryllium	8.10E-01	0.0	0.0	0.0	0.0	4%
6	212	1	Surface	Chromium	3.58E+01	0.0	0.0		0.0	1%
6	212	1	Surface	Iron	4.14E+04	0.0	0.1		0.2	33%
6	212	1	Surface	Nickel	8.69E+01	0.0	0.2	0.0	0.2	40%
6	212	1	Surface	PCB, Total	1.80E-01				0.0	0%
6	212	1	Surface	Uranium	2.30E+01	0.0	0.0	0.0	0.0	4%
6	212	1	Surface	Totals		0.1	0.4	0.0	0.5	
6	212	1	Surface	Percent		12%	88%	0%		
6	213	1	Surface	Antimony	8.50E-01	0.0	0.0		0.0	11%
6	213	1	Surface	Chromium	4.78E+01	0.0	0.0		0.0	2%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	213	1	Surface	Nickel	6.67E+01	0.0	0.2	0.0	0.2	49%
6	213	1	Surface	PCB, Total	7.30E-02				0.0	0%
6	213	1	Surface	Silver	1.32E+01	0.0	0.1		0.1	39%
6	213	1	Surface	Total PAH	1.72E-01				0.0	0%
6	213	1	Surface	Totals		0.0	0.3	0.0	0.3	
6	213	1	Surface	Percent		1%	98%	0%		
6	213	2	Surface	Chromium	4.48E+01	0.0	0.0		0.0	2%
6	213	2	Surface	Nickel	9.10E+01	0.0	0.2	0.0	0.2	66%
6	213	2	Surface	Silver	1.13E+01	0.0	0.1		0.1	32%
6	213	2	Surface	Totals		0.0	0.3	0.0	0.3	
6	213	2	Surface	Percent		1%	99%	0%		
6	214	1	Surface	Antimony	5.70E-01	0.0	0.0		0.0	100%
6	214	1	Surface	Totals		0.0	0.0		0.0	
6	214	1	Surface	Percent		3%	97%			
6	215	1	Surface	Antimony	6.80E-01	0.0	0.0		0.0	7%
6	215	1	Surface	Chromium	5.73E+01	0.0	0.0		0.0	2%
6	215	1	Surface	Iron	3.87E+04	0.0	0.1		0.2	43%
6	215	1	Surface	Nickel	7.32E+01	0.0	0.2	0.0	0.2	48%
6	215	1	Surface	Total PAH	8.09E-02				0.0	0%
6	215	1	Surface	Totals		0.0	0.3	0.0	0.4	
6	215	1	Surface	Percent		8%	91%	0%		
6	216	1	Surface	Chromium	2.38E+01	0.0	0.0		0.0	100%
6	216	1	Surface	Total PAH	1.49E-01				0.0	0%
6	216	1	Surface	Totals		0.0	0.0		0.0	
6	216	1	Surface	Percent		0%	100%			
6	217	1	Surface	Chromium	8.58E+01	0.0	0.0		0.0	2%
6	217	1	Surface	Cobalt	1.96E+01	0.0	0.1	0.0	0.2	34%
6	217	1	Surface	Manganese	7.70E+02	0.0	0.0	0.0	0.0	5%
6	217	1	Surface	Nickel	8.54E+01	0.0	0.2	0.0	0.2	36%
6	217	1	Surface	Silver	1.35E+01	0.0	0.1		0.1	23%
6	217	1	Surface	Totals		0.0	0.5	0.0	0.6	
6	217	1	Surface	Percent		7%	89%	4%		
6	217	2	Surface	Antimony	1.70E+00	0.0	0.1		0.1	4%
6	217	2	Surface	Arsenic	1.12E+01	0.0	0.1	0.0	0.1	4%
6	217	2	Surface	Chromium	1.02E+02	0.0	0.0		0.0	1%
6	217	2	Surface	Cobalt	1.74E+01	0.0	0.1	0.0	0.2	9%
6	217	2	Surface	Iron	3.09E+04	0.0	0.1		0.1	7%
6	217	2	Surface	Manganese	8.44E+02	0.0	0.0	0.0	0.0	2%
6	217	2	Surface	Mercury	8.59E+00	0.0	0.9		1.0	53%
6	217	2	Surface	Nickel	9.74E+01	0.0	0.2	0.0	0.2	13%
6	217	2	Surface	Silver	1.61E+01	0.0	0.1		0.1	8%
6	217	2	Surface	Total PAH	5.05E-01				0.0	0%
6	217	2	Surface	Totals		0.1	1.7	0.0	1.8	
6	217	2	Surface	Percent		5%	94%	1%		
6	221	1	Surface	Barium	2.21E+02	0.0	0.0	0.0	0.0	12%
6	221	1	Surface	Chromium	7.01E+01	0.0	0.0		0.0	3%
6	221	1	Surface	Iron	1.90E+04	0.0	0.1		0.1	24%
6	221	1	Surface	Nickel	7.93E+01	0.0	0.2	0.0	0.2	58%
6	221	1	Surface	PCB, Total	5.00E-01				0.0	0%
6	221	1	Surface	Total PAH	1.02E+00				0.0	0%
6	221	1	Surface	Uranium	1.64E+01	0.0	0.0	0.0	0.0	5%
6	221	1	Surface	Totals		0.0	0.3	0.0	0.3	
6	221	1	Surface	Percent		6%	94%	0%		
6	222	1	Surface	Chromium	4.73E+01	0.0	0.0		0.0	2%
6	222	1	Surface	Nickel	9.19E+01	0.0	0.2	0.0	0.2	87%
6	222	1	Surface	PCB, Total	1.40E+00				0.0	0%

SWMU = solid waste management unit
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Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	222	1	Surface	Total PAH	1.77E-01				0.0	0%
6	222	1	Surface	Uranium	2.80E+01	0.0	0.0	0.0	0.0	11%
6	222	1	Surface	Totals		0.0	0.2	0.0	0.2	
6	222	1	Surface	Percent		3%	97%	0%		
6	227	1	Surface	Beryllium	5.52E-01	0.0	0.0	0.0	0.0	2%
6	227	1	Surface	Chromium	4.71E+01	0.0	0.0		0.0	1%
6	227	1	Surface	Nickel	2.03E+02	0.0	0.5	0.0	0.5	81%
6	227	1	Surface	PCB, Total	4.14E+00				0.0	0%
6	227	1	Surface	Total PAH	3.38E-01				0.0	0%
6	227	1	Surface	Uranium	1.02E+02	0.0	0.1	0.0	0.1	16%
6	227	1	Surface	Totals		0.0	0.6	0.0	0.6	
6	227	1	Surface	Percent		4%	96%	0%		
6	227	2	Surface	Beryllium	5.32E-01	0.0	0.0	0.0	0.0	1%
6	227	2	Surface	Chromium	5.63E+01	0.0	0.0		0.0	0%
6	227	2	Surface	Cobalt	8.99E+00	0.0	0.1	0.0	0.1	6%
6	227	2	Surface	Mercury	8.41E+00	0.0	0.9		0.9	70%
6	227	2	Surface	Nickel	1.25E+02	0.0	0.3	0.0	0.3	22%
6	227	2	Surface	PCB, Total	5.82E+00				0.0	0%
6	227	2	Surface	Total PAH	1.16E-01				0.0	0%
6	227	2	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	1%
6	227	2	Surface	Totals		0.0	1.3	0.0	1.3	
6	227	2	Surface	Percent		3%	97%	0%		
6	228	1	Surface	Antimony	6.30E-01	0.0	0.0		0.0	2%
6	228	1	Surface	Cadmium	3.90E+00	0.0	0.0	0.0	0.0	1%
6	228	1	Surface	Chromium	1.89E+02	0.0	0.0		0.0	2%
6	228	1	Surface	Mercury	9.37E+00	0.0	1.0		1.0	74%
6	228	1	Surface	Nickel	7.92E+01	0.0	0.2	0.0	0.2	13%
6	228	1	Surface	Silver	1.16E+01	0.0	0.1		0.1	8%
6	228	1	Surface	Total PAH	6.69E-02				0.0	0%
6	228	1	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	1%
6	228	1	Surface	Totals		0.0	1.4	0.0	1.4	
6	228	1	Surface	Percent		2%	98%	0%		
7	76	1	Surface	Barium	2.69E+02	0.0	0.0	0.0	0.0	100%
7	76	1	Surface	PCB, Total	2.60E-01				0.0	0%
7	76	1	Surface	Total PAH	1.76E+00				0.0	0%
7	76	1	Surface	Totals		0.0	0.0	0.0	0.0	
7	76	1	Surface	Percent		1%	97%	1%		
7	165	1	Surface	Antimony	2.20E+00	0.0	0.1		0.1	8%
7	165	1	Surface	Arsenic	6.35E+01	0.1	0.3	0.0	0.4	35%
7	165	1	Surface	Barium	5.84E+02	0.0	0.1	0.0	0.1	9%
7	165	1	Surface	Beryllium	6.82E-01	0.0	0.0	0.0	0.0	1%
7	165	1	Surface	Chromium	3.74E+01	0.0	0.0		0.0	0%
7	165	1	Surface	Mercury	3.78E-01	0.0	0.0		0.0	4%
7	165	1	Surface	Naphthalene	1.61E+00	0.0	0.0	0.0	0.0	2%
7	165	1	Surface	Nickel	3.47E+01	0.0	0.1	0.0	0.1	7%
7	165	1	Surface	PCB, Total	8.27E+00				0.0	0%
7	165	1	Surface	Silver	3.09E+01	0.0	0.3		0.3	25%
7	165	1	Surface	Total PAH	1.87E+00				0.0	0%
7	165	1	Surface	Uranium	1.08E+02	0.0	0.1	0.0	0.1	9%
7	165	1	Surface	Totals		0.1	1.0	0.0	1.1	
7	165	1	Surface	Percent		11%	86%	2%		
8	158	1	Surface	Antimony	5.23E-01	0.0	0.0		0.0	1%
8	158	1	Surface	Arsenic	1.01E+01	0.0	0.0	0.0	0.1	4%
8	158	1	Surface	Barium	2.19E+02	0.0	0.0	0.0	0.0	2%
8	158	1	Surface	Chromium	6.07E+01	0.0	0.0		0.0	0%
8	158	1	Surface	Cobalt	1.62E+01	0.0	0.1	0.0	0.2	9%

SWMU = solid waste management unit

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Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
8	158	1	Surface	Manganese	9.91E+02	0.0	0.0	0.0	0.0	2%
8	158	1	Surface	Mercury	1.05E+01	0.0	1.1		1.2	69%
8	158	1	Surface	Nickel	7.28E+01	0.0	0.2	0.0	0.2	10%
8	158	1	Surface	Thallium	3.12E-01	0.0	0.0		0.0	1%
8	158	1	Surface	Total PAH	3.69E-01				0.0	0%
8	158	1	Surface	Uranium	2.03E+01	0.0	0.0	0.0	0.0	1%
8	158	1	Surface	Totals		0.1	1.6	0.0	1.7	
8	158	1	Surface	Percent		4%	94%	2%		
8	169	1	Surface	Aluminum	1.42E+04	0.0	0.0	0.0	0.0	2%
8	169	1	Surface	Antimony	1.30E+00	0.0	0.0		0.1	2%
8	169	1	Surface	Arsenic	2.03E+01	0.0	0.1	0.0	0.1	5%
8	169	1	Surface	Beryllium	8.00E-01	0.0	0.0	0.0	0.0	1%
8	169	1	Surface	Chromium	2.15E+02	0.0	0.0		0.0	1%
8	169	1	Surface	Copper	3.74E+02	0.0	0.0		0.0	1%
8	169	1	Surface	Iron	4.16E+04	0.0	0.1		0.2	6%
8	169	1	Surface	Mercury	7.87E+00	0.0	0.9		0.9	33%
8	169	1	Surface	Nickel	5.49E+02	0.0	1.3	0.0	1.3	48%
8	169	1	Surface	PCB, Total	1.00E+01				0.0	0%
8	169	1	Surface	Thallium	4.60E-01	0.0	0.0		0.0	1%
8	169	1	Surface	Total PAH	4.59E+00				0.0	0%
8	169	1	Surface	Uranium	5.03E+01	0.0	0.0	0.0	0.0	2%
8	169	1	Surface	Totals		0.1	2.6	0.0	2.7	
8	169	1	Surface	Percent		4%	95%	0%		
9	19	1	Surface	Beryllium	1.10E+00	0.0	0.0	0.0	0.0	41%
9	19	1	Surface	Cadmium	1.20E+00	0.0	0.0	0.0	0.0	5%
9	19	1	Surface	Thallium	9.80E-01	0.0	0.0		0.0	54%
9	19	1	Surface	Total PAH	5.23E+00				0.0	0%
9	19	1	Surface	Totals		0.0	0.1	0.0	0.1	
9	19	1	Surface	Percent		11%	89%	0%		
9	138	1	Surface	Antimony	5.39E+00	0.0	0.2		0.2	11%
9	138	1	Surface	Arsenic	1.06E+01	0.0	0.0	0.0	0.1	3%
9	138	1	Surface	Cadmium	5.42E+00	0.0	0.0	0.0	0.0	1%
9	138	1	Surface	Chromium	5.39E+01	0.0	0.0		0.0	0%
9	138	1	Surface	Mercury	1.30E+01	0.0	1.4		1.4	72%
9	138	1	Surface	Nickel	7.04E+01	0.0	0.2	0.0	0.2	8%
9	138	1	Surface	PCB, Total	5.00E-01				0.0	0%
9	138	1	Surface	Silver	1.01E+01	0.0	0.1		0.1	5%
9	138	1	Surface	Total PAH	9.74E-02				0.0	0%
9	138	1	Surface	Totals		0.1	1.9	0.0	2.0	
9	138	1	Surface	Percent		3%	97%	0%		
9	138	2	Surface	Nickel	7.99E+01	0.0	0.2	0.0	0.2	66%
9	138	2	Surface	PCB, Total	9.20E-02				0.0	0%
9	138	2	Surface	Silver	1.04E+01	0.0	0.1		0.1	34%
9	138	2	Surface	Total PAH	3.84E-02				0.0	0%
9	138	2	Surface	Totals		0.0	0.3	0.0	0.3	
9	138	2	Surface	Percent		1%	99%	0%		
9	180	1	Surface	Antimony	5.80E-01	0.0	0.0		0.0	1%
9	180	1	Surface	Arsenic	7.48E+01	0.1	0.3	0.0	0.5	29%
9	180	1	Surface	Chromium	5.54E+01	0.0	0.0		0.0	0%
9	180	1	Surface	Mercury	8.28E+00	0.0	0.9		0.9	57%
9	180	1	Surface	Nickel	8.77E+01	0.0	0.2	0.0	0.2	13%
9	180	1	Surface	Totals		0.1	1.5	0.0	1.6	
9	180	1	Surface	Percent		9%	91%	0%		
9	180	2	Surface	Antimony	4.58E-01	0.0	0.0		0.0	6%
9	180	2	Surface	Arsenic	1.27E+01	0.0	0.1	0.0	0.1	27%
9	180	2	Surface	Chromium	4.46E+01	0.0	0.0		0.0	2%

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Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	180	2	Surface	Nickel	8.42E+01	0.0	0.2	0.0	0.2	66%
9	180	2	Surface	Total PAH	9.19E-02				0.0	0%
9	180	2	Surface	Totals		0.0	0.3	0.0	0.3	
9	180	2	Surface	Percent		8%	92%	1%		
9	180	3	Surface	Arsenic	1.34E+01	0.0	0.1	0.0	0.1	24%
9	180	3	Surface	Chromium	4.69E+01	0.0	0.0		0.0	2%
9	180	3	Surface	Nickel	6.77E+01	0.0	0.2	0.0	0.2	45%
9	180	3	Surface	Silver	1.14E+01	0.0	0.1		0.1	30%
9	180	3	Surface	Totals		0.0	0.3	0.0	0.4	
9	180	3	Surface	Percent		7%	93%	1%		
9	180	4	Surface	Arsenic	1.15E+01	0.0	0.1	0.0	0.1	15%
9	180	4	Surface	Barium	2.13E+02	0.0	0.0	0.0	0.0	7%
9	180	4	Surface	Beryllium	1.60E+00	0.0	0.0	0.0	0.0	7%
9	180	4	Surface	Chromium	6.00E+01	0.0	0.0		0.0	1%
9	180	4	Surface	Iron	1.54E+04	0.0	0.1		0.1	12%
9	180	4	Surface	Manganese	7.09E+02	0.0	0.0	0.0	0.0	5%
9	180	4	Surface	Nickel	6.46E+01	0.0	0.1	0.0	0.2	30%
9	180	4	Surface	Silver	9.68E+00	0.0	0.1		0.1	18%
9	180	4	Surface	Total PAH	2.15E-02				0.0	0%
9	180	4	Surface	Vanadium	4.85E+01	0.0	0.0		0.0	3%
9	180	4	Surface	Totals		0.0	0.4	0.0	0.5	
9	180	4	Surface	Percent		8%	88%	4%		
9	181	1	Surface	Chromium	2.29E+01	0.0	0.0		0.0	2%
9	181	1	Surface	Thallium	3.50E+00	0.0	0.1		0.1	98%
9	181	1	Surface	Total PAH	3.43E-02				0.0	0%
9	181	1	Surface	Totals		0.0	0.1		0.1	
9	181	1	Surface	Percent		17%	83%			
9	195	1	Surface	Chromium	6.33E+01	0.0	0.0		0.0	3%
9	195	1	Surface	Nickel	7.02E+01	0.0	0.2	0.0	0.2	63%
9	195	1	Surface	Silver	9.37E+00	0.0	0.1		0.1	34%
9	195	1	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	1	Surface	Percent		1%	99%	0%		
9	195	2	Surface	Chromium	4.52E+01	0.0	0.0		0.0	6%
9	195	2	Surface	Silver	9.48E+00	0.0	0.1		0.1	94%
9	195	2	Surface	Total PAH	2.68E-02				0.0	0%
9	195	2	Surface	Totals		0.0	0.1		0.1	
9	195	2	Surface	Percent		1%	99%			
9	195	3	Surface	Chromium	5.03E+01	0.0	0.0		0.0	5%
9	195	3	Surface	Nickel	5.22E+01	0.0	0.1	0.0	0.1	95%
9	195	3	Surface	Total PAH	4.06E-02				0.0	0%
9	195	3	Surface	Totals		0.0	0.1	0.0	0.1	
9	195	3	Surface	Percent		1%	98%	1%		
9	195	4	Surface	Chromium	5.29E+01	0.0	0.0		0.0	4%
9	195	4	Surface	Nickel	6.23E+01	0.0	0.1	0.0	0.1	96%
9	195	4	Surface	Totals		0.0	0.1	0.0	0.2	
9	195	4	Surface	Percent		1%	98%	1%		
9	195	5	Surface	Chromium	5.74E+01	0.0	0.0		0.0	3%
9	195	5	Surface	Nickel	8.11E+01	0.0	0.2	0.0	0.2	97%
9	195	5	Surface	Total PAH	2.40E-02				0.0	0%
9	195	5	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	5	Surface	Percent		1%	98%	1%		
9	195	6	Surface	Chromium	4.45E+01	0.0	0.0		0.0	3%
9	195	6	Surface	Nickel	8.71E+01	0.0	0.2	0.0	0.2	97%
9	195	6	Surface	Total PAH	2.48E-01				0.0	0%
9	195	6	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	6	Surface	Percent		1%	98%	1%		

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Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	195	7	Surface	Chromium	4.93E+01	0.0	0.0		0.0	7%
9	195	7	Surface	Silver	8.06E+00	0.0	0.1		0.1	93%
9	195	7	Surface	Totals		0.0	0.1		0.1	
9	195	7	Surface	Percent		1%	99%			
9	195	8	Surface	Arsenic	1.16E+01	0.0	0.1	0.0	0.1	16%
9	195	8	Surface	Beryllium	7.40E-01	0.0	0.0	0.0	0.0	4%
9	195	8	Surface	Chromium	6.79E+01	0.0	0.0		0.0	2%
9	195	8	Surface	Cobalt	1.82E+01	0.0	0.1	0.0	0.2	39%
9	195	8	Surface	Nickel	7.01E+01	0.0	0.2	0.0	0.2	37%
9	195	8	Surface	Total PAH	2.16E-01				0.0	0%
9	195	8	Surface	Vanadium	4.04E+01	0.0	0.0		0.0	3%
9	195	8	Surface	Totals		0.1	0.4	0.0	0.4	
9	195	8	Surface	Percent		12%	87%	1%		
9	195	9	Surface	Chromium	6.08E+01	0.0	0.0		0.0	4%
9	195	9	Surface	Nickel	7.93E+01	0.0	0.2	0.0	0.2	96%
9	195	9	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	9	Surface	Percent		1%	98%	1%		
9	195	10	Surface	Chromium	4.51E+01	0.0	0.0		0.0	2%
9	195	10	Surface	Nickel	7.40E+01	0.0	0.2	0.0	0.2	58%
9	195	10	Surface	Silver	1.31E+01	0.0	0.1		0.1	41%
9	195	10	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	10	Surface	Percent		1%	99%	0%		
9	195	11	Surface	Aluminum	2.81E+04	0.0	0.1	0.0	0.1	11%
9	195	11	Surface	Arsenic	1.35E+01	0.0	0.1	0.0	0.1	11%
9	195	11	Surface	Barium	4.53E+02	0.0	0.1	0.0	0.1	10%
9	195	11	Surface	Chromium	5.05E+01	0.0	0.0		0.0	1%
9	195	11	Surface	Cobalt	2.77E+01	0.0	0.2	0.0	0.3	33%
9	195	11	Surface	Iron	1.97E+04	0.0	0.1		0.1	10%
9	195	11	Surface	Nickel	6.77E+01	0.0	0.2	0.0	0.2	20%
9	195	11	Surface	Thallium	6.60E-01	0.0	0.0		0.0	3%
9	195	11	Surface	Vanadium	7.97E+01	0.0	0.0		0.0	3%
9	195	11	Surface	Totals		0.1	0.7	0.0	0.8	
9	195	11	Surface	Percent		14%	85%	2%		
9	195	12	Surface	Beryllium	7.50E-01	0.0	0.0	0.0	0.0	9%
9	195	12	Surface	Chromium	7.04E+01	0.0	0.0		0.0	5%
9	195	12	Surface	Nickel	6.78E+01	0.0	0.2	0.0	0.2	86%
9	195	12	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	12	Surface	Percent		1%	99%	0%		
9	195	13	Surface	Chromium	6.55E+01	0.0	0.0		0.0	5%
9	195	13	Surface	Nickel	6.91E+01	0.0	0.2	0.0	0.2	95%
9	195	13	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	13	Surface	Percent		1%	98%	1%		
9	195	14	Surface	Chromium	5.94E+01	0.0	0.0		0.0	4%
9	195	14	Surface	Nickel	7.04E+01	0.0	0.2	0.0	0.2	96%
9	195	14	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	14	Surface	Percent		1%	98%	1%		
9	195	15	Surface	Chromium	4.82E+01	0.0	0.0		0.0	100%
9	195	15	Surface	Totals		0.0	0.0		0.0	
9	195	15	Surface	Percent		0%	100%			
9	195	16	Surface	Chromium	4.45E+01	0.0	0.0		0.0	3%
9	195	16	Surface	Nickel	8.16E+01	0.0	0.2	0.0	0.2	97%
9	195	16	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	16	Surface	Percent		1%	98%	1%		
9	195	17	Surface	Chromium	8.22E+01	0.0	0.0		0.0	3%
9	195	17	Surface	Mercury	4.17E-01	0.0	0.0		0.0	15%
9	195	17	Surface	Nickel	5.93E+01	0.0	0.1	0.0	0.1	45%

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	195	17	Surface	PCB, Total	7.40E-01				0.0	0%
9	195	17	Surface	Silver	1.01E+01	0.0	0.1		0.1	31%
9	195	17	Surface	Thallium	5.40E-01	0.0	0.0		0.0	6%
9	195	17	Surface	Total PAH	3.16E-01				0.0	0%
9	195	17	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	17	Surface	Percent		2%	98%	0%		
9	492	1	Surface	Arsenic	1.47E+01	0.0	0.1	0.0	0.1	4%
9	492	1	Surface	Beryllium	1.04E+01	0.0	0.2	0.0	0.2	11%
9	492	1	Surface	Cadmium	3.14E+00	0.0	0.0	0.0	0.0	0%
9	492	1	Surface	Chromium	1.04E+03	0.0	0.1		0.1	6%
9	492	1	Surface	PCB, Total	4.41E+01				0.0	0%
9	492	1	Surface	Uranium	1.77E+03	0.3	1.4	0.0	1.7	77%
9	492	1	Surface	Vanadium	4.32E+01	0.0	0.0		0.0	1%
9	492	1	Surface	Totals		0.3	1.8	0.0	2.1	
9	492	1	Surface	Percent		15%	85%	0%		
9	493	1	Surface	Aluminum	1.44E+04	0.0	0.0	0.0	0.0	4%
9	493	1	Surface	Barium	4.04E+02	0.0	0.1	0.0	0.1	6%
9	493	1	Surface	Beryllium	9.91E-01	0.0	0.0	0.0	0.0	2%
9	493	1	Surface	Chromium	6.61E+01	0.0	0.0		0.0	1%
9	493	1	Surface	Cobalt	3.79E+01	0.1	0.3	0.0	0.4	30%
9	493	1	Surface	Manganese	3.55E+03	0.0	0.0	0.1	0.1	12%
9	493	1	Surface	Mercury	2.60E-01	0.0	0.0		0.0	2%
9	493	1	Surface	Nickel	2.13E+02	0.0	0.5	0.0	0.5	42%
9	493	1	Surface	PCB, Total	2.60E-01				0.0	0%
9	493	1	Surface	Total PAH	5.00E-01				0.0	0%
9	493	1	Surface	Vanadium	4.05E+01	0.0	0.0		0.0	1%
9	493	1	Surface	Totals		0.1	1.0	0.1	1.2	
9	493	1	Surface	Percent		8%	84%	8%		
9	517	1	Surface	Beryllium	7.39E-01	0.0	0.0	0.0	0.0	4%
9	517	1	Surface	Chromium	4.91E+01	0.0	0.0		0.0	1%
9	517	1	Surface	Nickel	1.72E+02	0.0	0.4	0.0	0.4	95%
9	517	1	Surface	PCB, Total	5.00E-01				0.0	0%
9	517	1	Surface	Totals		0.0	0.4	0.0	0.4	
9	517	1	Surface	Percent		1%	98%	1%		
9	541	1	Surface	Aluminum	1.43E+04	0.0	0.0	0.0	0.0	1%
9	541	1	Surface	Barium	1.28E+02	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Beryllium	6.98E-01	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Cadmium	1.68E+00	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Chromium	8.24E+02	0.0	0.1		0.1	2%
9	541	1	Surface	Iron	1.60E+04	0.0	0.1		0.1	1%
9	541	1	Surface	Mercury	9.81E-02	0.0	0.0		0.0	0%
9	541	1	Surface	Naphthalene	6.55E-01	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Nickel	1.52E+01	0.0	0.0	0.0	0.0	1%
9	541	1	Surface	PCB, Total	6.06E+01				0.0	0%
9	541	1	Surface	Total PAH	2.33E+00				0.0	0%
9	541	1	Surface	Uranium	6.38E+03	1.0	4.9	0.0	6.0	95%
9	541	1	Surface	Vanadium	3.04E+01	0.0	0.0		0.0	0%
9	541	1	Surface	Totals		1.1	5.2	0.0	6.3	
9	541	1	Surface	Percent		17%	82%	1%		
9	561	1	Surface	Antimony	9.36E-01	0.0	0.0		0.0	5%
9	561	1	Surface	Arsenic	1.66E+01	0.0	0.1	0.0	0.1	15%
9	561	1	Surface	Barium	1.40E+02	0.0	0.0	0.0	0.0	3%
9	561	1	Surface	Beryllium	6.85E-01	0.0	0.0	0.0	0.0	2%
9	561	1	Surface	Chromium	8.58E+01	0.0	0.0		0.0	1%
9	561	1	Surface	Cobalt	1.07E+01	0.0	0.1	0.0	0.1	14%
9	561	1	Surface	Iron	2.05E+04	0.0	0.1		0.1	12%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	561	1	Surface	Manganese	1.61E+03	0.0	0.0	0.0	0.1	9%
9	561	1	Surface	PCB, Total	1.04E+00				0.0	0%
9	561	1	Surface	Thallium	3.33E-01	0.0	0.0		0.0	2%
9	561	1	Surface	Total PAH	3.94E-01				0.0	0%
9	561	1	Surface	Uranium	2.65E+02	0.0	0.2	0.0	0.2	35%
9	561	1	Surface	Vanadium	3.76E+01	0.0	0.0		0.0	2%
9	561	1	Surface	Totals		0.1	0.6	0.0	0.7	
9	561	1	Surface	Percent		16%	78%	6%		
9	561	2	Surface	Antimony	5.33E+00	0.0	0.2		0.2	12%
9	561	2	Surface	Arsenic	1.30E+01	0.0	0.1	0.0	0.1	5%
9	561	2	Surface	Beryllium	6.34E-01	0.0	0.0	0.0	0.0	1%
9	561	2	Surface	Cadmium	4.13E-01	0.0	0.0	0.0	0.0	0%
9	561	2	Surface	Chromium	2.88E+02	0.0	0.0		0.0	2%
9	561	2	Surface	Cobalt	1.14E+01	0.0	0.1	0.0	0.1	6%
9	561	2	Surface	Manganese	1.12E+03	0.0	0.0	0.0	0.0	2%
9	561	2	Surface	PCB, Total	1.64E+01				0.0	0%
9	561	2	Surface	Thallium	4.09E-01	0.0	0.0		0.0	1%
9	561	2	Surface	Total PAH	2.43E+00				0.0	0%
9	561	2	Surface	Uranium	1.38E+03	0.2	1.1	0.0	1.3	71%
9	561	2	Surface	Vanadium	3.46E+01	0.0	0.0		0.0	1%
9	561	2	Surface	Totals		0.3	1.5	0.0	1.8	
9	561	2	Surface	Percent		16%	83%	2%		
9	562	1	Surface	Uranium	8.73E+01	0.0	0.1	0.0	0.1	100%
9	562	1	Surface	Totals		0.0	0.1	0.0	0.1	
9	562	1	Surface	Percent		17%	82%	0%		
9	562	2	Surface	PCB, Total	1.58E+00				0.0	
9	562	2	Surface	Totals					0.0	
9	562	2	Surface	Percent						
9	562	3	Surface	Chromium	3.82E+01	0.0	0.0		0.0	8%
9	562	3	Surface	PCB, Total	2.40E-01				0.0	0%
9	562	3	Surface	Total PAH	2.20E-01				0.0	0%
9	562	3	Surface	Uranium	5.89E+01	0.0	0.0	0.0	0.1	92%
9	562	3	Surface	Totals		0.0	0.0	0.0	0.1	
9	562	3	Surface	Percent		0.2	0.8	0.0		
9	562	4	Surface	Chromium	4.67E+01	0.0	0.0		0.0	22%
9	562	4	Surface	Uranium	2.10E+01	0.0	0.0	0.0	0.0	78%
9	562	4	Surface	Totals		0.0	0.0	0.0	0.0	
9	562	4	Surface	Percent		0.1	0.9	0.0		
9	562	5	Surface	Chromium	1.53E+02	0.0	0.0		0.0	9%
9	562	5	Surface	PCB, Total	9.50E-01				0.0	0%
9	562	5	Surface	Total PAH	7.05E-02				0.0	0%
9	562	5	Surface	Uranium	2.08E+02	0.0	0.2	0.0	0.2	91%
9	562	5	Surface	Totals		0.0	0.2	0.0	0.2	
9	562	5	Surface	Percent		0.2	0.8	0.0		
9	563	1	Surface	Cadmium	8.96E-01	0.0	0.0	0.0	0.0	4%
9	563	1	Surface	Chromium	2.85E+02	0.0	0.0		0.0	67%
9	563	1	Surface	PCB, Total	7.40E-01				0.0	0%
9	563	1	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	28%
9	563	1	Surface	Totals		0.0	0.0	0.0	0.0	
9	563	1	Surface	Percent		0.1	0.9	0.0		
9	564	1	Surface	Arsenic	4.30E+01	0.1	0.2	0.0	0.3	38%
9	564	1	Surface	Beryllium	2.12E+00	0.0	0.0	0.0	0.0	7%
9	564	1	Surface	Cadmium	1.96E+00	0.0	0.0	0.0	0.0	1%
9	564	1	Surface	Chromium	7.49E+01	0.0	0.0		0.0	1%
9	564	1	Surface	Iron	3.66E+04	0.0	0.1		0.1	20%
9	564	1	Surface	Mercury	2.30E-01	0.0	0.0		0.0	4%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	564	1	Surface	Nickel	2.24E+01	0.0	0.1	0.0	0.1	7%
9	564	1	Surface	PCB, Total	1.93E+00				0.0	0%
9	564	1	Surface	Thallium	2.36E+00	0.0	0.1		0.1	11%
9	564	1	Surface	Uranium	5.83E+01	0.0	0.0	0.0	0.1	8%
9	564	1	Surface	Vanadium	8.06E+01	0.0	0.0		0.0	4%
9	564	1	Surface	Totals		0.1	0.6	0.0	0.7	
9	564	1	Surface	Percent		0.2	0.8	0.0		
9	567	3	Surface	Chromium	3.79E+01	0.0	0.0		0.0	100%
9	567	3	Surface	Totals		0.0	0.0		0.0	
9	567	3	Surface	Percent		0.0	1.0			
9	567	4	Surface	Aluminum	1.25E+04	0.0	0.0	0.0	0.0	95%
9	567	4	Surface	Chromium	1.63E+01	0.0	0.0		0.0	5%
9	567	4	Surface	Totals		0.0	0.0	0.0	0.0	
9	567	4	Surface	Percent		0.2	0.8	0.1		
10	14	1	Surface	Arsenic	1.10E+01	0.0	0.1	0.0	0.1	10%
10	14	1	Surface	Chromium	6.36E+01	0.0	0.0		0.0	1%
10	14	1	Surface	Iron	1.89E+04	0.0	0.1		0.1	11%
10	14	1	Surface	Nickel	1.40E+02	0.0	0.3	0.0	0.3	47%
10	14	1	Surface	PCB, Total	5.00E-01				0.0	0%
10	14	1	Surface	Silver	1.67E+01	0.0	0.2		0.2	22%
10	14	1	Surface	Uranium	7.21E+01	0.0	0.1	0.0	0.1	10%
10	14	1	Surface	Totals		0.0	0.6	0.0	0.7	
10	14	1	Surface	Percent		0.1	0.9	0.0		
10	14	2	Surface	Antimony	3.70E+00	0.0	0.1		0.1	6%
10	14	2	Surface	Arsenic	1.45E+01	0.0	0.1	0.0	0.1	4%
10	14	2	Surface	Beryllium	7.10E-01	0.0	0.0	0.0	0.0	1%
10	14	2	Surface	Chromium	6.65E+01	0.0	0.0		0.0	0%
10	14	2	Surface	Copper	1.76E+02	0.0	0.0		0.0	1%
10	14	2	Surface	Iron	3.72E+04	0.0	0.1		0.1	6%
10	14	2	Surface	Manganese	1.44E+03	0.0	0.0	0.0	0.1	2%
10	14	2	Surface	Mercury	2.67E-01	0.0	0.0		0.0	1%
10	14	2	Surface	Nickel	6.78E+02	0.0	1.6	0.0	1.6	67%
10	14	2	Surface	PCB, Total	3.90E-01				0.0	0%
10	14	2	Surface	Total PAH	3.38E-01				0.0	0%
10	14	2	Surface	Uranium	2.93E+02	0.0	0.2	0.0	0.3	12%
10	14	2	Surface	Totals		0.1	2.2	0.0	2.4	
10	14	2	Surface	Percent		0.1	0.9	0.0		
10	14	3	Surface	Arsenic	1.30E+01	0.0	0.1	0.0	0.1	3%
10	14	3	Surface	Chromium	7.01E+01	0.0	0.0		0.0	0%
10	14	3	Surface	Copper	1.29E+02	0.0	0.0		0.0	0%
10	14	3	Surface	Iron	3.48E+04	0.0	0.1		0.1	5%
10	14	3	Surface	Manganese	1.06E+03	0.0	0.0	0.0	0.0	2%
10	14	3	Surface	Mercury	7.48E+00	0.0	0.8		0.8	31%
10	14	3	Surface	Molybdenum	2.21E+01	0.0	0.0		0.0	0%
10	14	3	Surface	Nickel	5.76E+02	0.0	1.3	0.0	1.3	50%
10	14	3	Surface	PCB, Total	8.65E+00				0.0	0%
10	14	3	Surface	Uranium	2.18E+02	0.0	0.2	0.0	0.2	8%
10	14	3	Surface	Totals		0.1	2.5	0.0	2.7	
10	14	3	Surface	Percent		0.0	0.9	0.0		
10	14	4	Surface	Antimony	4.30E+00	0.0	0.2		0.2	6%
10	14	4	Surface	Arsenic	1.33E+01	0.0	0.1	0.0	0.1	3%
10	14	4	Surface	Chromium	7.20E+01	0.0	0.0		0.0	0%
10	14	4	Surface	Copper	3.54E+02	0.0	0.0		0.0	1%
10	14	4	Surface	Iron	3.88E+04	0.0	0.1		0.2	6%
10	14	4	Surface	Mercury	4.87E-01	0.0	0.1		0.1	2%
10	14	4	Surface	Nickel	7.31E+02	0.0	1.7	0.0	1.7	64%

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 HI = hazard index

Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	4	Surface	PCB, Total	6.61E+00				0.0	0%
10	14	4	Surface	Silver	1.17E+01	0.0	0.1		0.1	4%
10	14	4	Surface	Total PAH	2.51E-01				0.0	0%
10	14	4	Surface	Uranium	3.72E+02	0.1	0.3	0.0	0.3	13%
10	14	4	Surface	Totals		0.1	2.5	0.0	2.7	
10	14	4	Surface	Percent		0.1	0.9	0.0		
10	14	5	Surface	Antimony	2.30E+00	0.0	0.1		0.1	3%
10	14	5	Surface	Arsenic	1.31E+01	0.0	0.1	0.0	0.1	3%
10	14	5	Surface	Cadmium	3.90E+00	0.0	0.0	0.0	0.0	0%
10	14	5	Surface	Chromium	4.70E+01	0.0	0.0		0.0	0%
10	14	5	Surface	Cobalt	1.40E+01	0.0	0.1	0.0	0.1	4%
10	14	5	Surface	Copper	1.34E+02	0.0	0.0		0.0	0%
10	14	5	Surface	Iron	3.92E+04	0.0	0.1		0.2	5%
10	14	5	Surface	Manganese	8.28E+02	0.0	0.0	0.0	0.0	1%
10	14	5	Surface	Mercury	1.09E+01	0.0	1.2		1.2	38%
10	14	5	Surface	Nickel	4.61E+02	0.0	1.1	0.0	1.1	34%
10	14	5	Surface	PCB, Total	1.00E+00				0.0	0%
10	14	5	Surface	Silver	1.29E+01	0.0	0.1		0.1	4%
10	14	5	Surface	Thallium	4.10E-01	0.0	0.0		0.0	0%
10	14	5	Surface	Total PAH	1.21E-01				0.0	0%
10	14	5	Surface	Uranium	2.62E+02	0.0	0.2	0.0	0.2	8%
10	14	5	Surface	Totals		0.2	3.0	0.0	3.2	
10	14	5	Surface	Percent		0.0	0.9	0.0		
10	14	6	Surface	Antimony	2.70E+00	0.0	0.1		0.1	3%
10	14	6	Surface	Cadmium	8.40E-01	0.0	0.0	0.0	0.0	0%
10	14	6	Surface	Chromium	4.46E+02	0.0	0.1		0.1	2%
10	14	6	Surface	Copper	1.22E+02	0.0	0.0		0.0	0%
10	14	6	Surface	Mercury	3.47E-01	0.0	0.0		0.0	1%
10	14	6	Surface	Nickel	9.63E+02	0.0	2.2	0.0	2.3	72%
10	14	6	Surface	PCB, Total	5.00E+00				0.0	0%
10	14	6	Surface	Silver	1.19E+01	0.0	0.1		0.1	4%
10	14	6	Surface	Uranium	5.79E+02	0.1	0.4	0.0	0.5	17%
10	14	6	Surface	Totals		0.1	3.0	0.0	3.1	
10	14	6	Surface	Percent		0.0	1.0	0.0		
10	14	7	Surface	Antimony	7.50E-01	0.0	0.0		0.0	1%
10	14	7	Surface	Arsenic	1.13E+01	0.0	0.1	0.0	0.1	2%
10	14	7	Surface	Cadmium	2.70E+00	0.0	0.0	0.0	0.0	0%
10	14	7	Surface	Chromium	6.46E+01	0.0	0.0		0.0	0%
10	14	7	Surface	Mercury	7.82E+00	0.0	0.9		0.9	21%
10	14	7	Surface	Nickel	1.22E+03	0.0	2.8	0.0	2.9	69%
10	14	7	Surface	PCB, Total	7.60E+00				0.0	0%
10	14	7	Surface	Total PAH	6.31E-02				0.0	0%
10	14	7	Surface	Uranium	3.33E+02	0.1	0.3	0.0	0.3	7%
10	14	7	Surface	Totals		0.1	4.0	0.0	4.2	
10	14	7	Surface	Percent		0.0	1.0	0.0		
10	14	8	Surface	Antimony	6.10E-01	0.0	0.0		0.0	1%
10	14	8	Surface	Arsenic	1.14E+01	0.0	0.1	0.0	0.1	2%
10	14	8	Surface	Chromium	4.60E+01	0.0	0.0		0.0	0%
10	14	8	Surface	Mercury	7.90E+00	0.0	0.9		0.9	30%
10	14	8	Surface	Nickel	6.73E+02	0.0	1.5	0.0	1.6	53%
10	14	8	Surface	PCB, Total	5.00E+00				0.0	0%
10	14	8	Surface	Silver	9.63E+00	0.0	0.1		0.1	3%
10	14	8	Surface	Total PAH	6.28E-02				0.0	0%
10	14	8	Surface	Uranium	3.35E+02	0.1	0.3	0.0	0.3	11%
10	14	8	Surface	Totals		0.1	2.8	0.0	3.0	
10	14	8	Surface	Percent		0.0	1.0	0.0		

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	9	Surface	Antimony	2.00E+00	0.0	0.1		0.1	2%
10	14	9	Surface	Arsenic	1.40E+01	0.0	0.1	0.0	0.1	2%
10	14	9	Surface	Cadmium	9.40E-01	0.0	0.0	0.0	0.0	0%
10	14	9	Surface	Chromium	4.64E+01	0.0	0.0		0.0	0%
10	14	9	Surface	Mercury	1.13E+00	0.0	0.1		0.1	3%
10	14	9	Surface	Nickel	9.43E+02	0.0	2.2	0.0	2.2	57%
10	14	9	Surface	PCB, Total	6.84E+00				0.0	0%
10	14	9	Surface	Total PAH	4.87E-01				0.0	0%
10	14	9	Surface	Uranium	1.46E+03	0.2	1.1	0.0	1.4	35%
10	14	9	Surface	Totals		0.3	3.6	0.0	3.9	
10	14	9	Surface	Percent		0.1	0.9	0.0		
10	14	10	Surface	Antimony	9.40E-01	0.0	0.0		0.0	1%
10	14	10	Surface	Arsenic	1.12E+01	0.0	0.1	0.0	0.1	2%
10	14	10	Surface	Chromium	4.19E+01	0.0	0.0		0.0	0%
10	14	10	Surface	Copper	1.41E+02	0.0	0.0		0.0	0%
10	14	10	Surface	Iron	2.75E+04	0.0	0.1		0.1	2%
10	14	10	Surface	Mercury	2.51E+01	0.0	2.7		2.8	59%
10	14	10	Surface	Nickel	6.00E+02	0.0	1.4	0.0	1.4	30%
10	14	10	Surface	PCB, Total	9.38E+00				0.0	0%
10	14	10	Surface	Total PAH	2.72E-01				0.0	0%
10	14	10	Surface	Uranium	2.88E+02	0.0	0.2	0.0	0.3	6%
10	14	10	Surface	Totals		0.1	4.5	0.0	4.7	
10	14	10	Surface	Percent		0.0	1.0	0.0		
10	518	1	Surface	Carbazole	1.17E+01				0.0	0%
10	518	1	Surface	Cobalt	6.80E+00	0.0	0.1	0.0	0.1	21%
10	518	1	Surface	Nickel	1.29E+01	0.0	0.0	0.0	0.0	10%
10	518	1	Surface	PCB, Total	6.30E-01				0.0	0%
10	518	1	Surface	Pyrene	3.94E+01	0.0	0.0	0.0	0.0	3%
10	518	1	Surface	Total PAH	3.90E+01				0.0	0%
10	518	1	Surface	Uranium	2.17E+02	0.0	0.2	0.0	0.2	66%
10	518	1	Surface	Totals		0.0	0.3	0.0	0.3	
10	518	1	Surface	Percent		0.2	0.8	0.0		
10	520	1	Surface	Chromium	3.17E+01	0.0	0.0		0.0	0%
10	520	1	Surface	Iron	1.56E+04	0.0	0.1		0.1	3%
10	520	1	Surface	Mercury	1.07E+01	0.0	1.2		1.2	59%
10	520	1	Surface	Nickel	2.60E+02	0.0	0.6	0.0	0.6	30%
10	520	1	Surface	Silver	1.30E+01	0.0	0.1		0.1	6%
10	520	1	Surface	Total PAH	3.18E-02				0.0	0%
10	520	1	Surface	Uranium	2.29E+01	0.0	0.0	0.0	0.0	1%
10	520	1	Surface	Totals		0.0	2.0	0.0	2.0	
10	520	1	Surface	Percent		0.0	1.0	0.0		
10	520	2	Surface	Beryllium	5.79E-01	0.0	0.0	0.0	0.0	1%
10	520	2	Surface	Chromium	6.67E+01	0.0	0.0		0.0	0%
10	520	2	Surface	Manganese	5.89E+02	0.0	0.0	0.0	0.0	1%
10	520	2	Surface	Mercury	1.19E+01	0.0	1.3		1.3	62%
10	520	2	Surface	Nickel	3.11E+02	0.0	0.7	0.0	0.7	34%
10	520	2	Surface	Total PAH	3.17E-01				0.0	0%
10	520	2	Surface	Uranium	3.96E+01	0.0	0.0	0.0	0.0	2%
10	520	2	Surface	Totals		0.0	2.1	0.0	2.1	
10	520	2	Surface	Percent		0.0	1.0	0.0		
10	520	3	Surface	Chromium	3.97E+01	0.0	0.0		0.0	1%
10	520	3	Surface	Copper	1.19E+02	0.0	0.0		0.0	1%
10	520	3	Surface	Nickel	2.65E+02	0.0	0.6	0.0	0.6	81%
10	520	3	Surface	Silver	1.27E+01	0.0	0.1		0.1	15%
10	520	3	Surface	Total PAH	1.18E-01				0.0	0%
10	520	3	Surface	Uranium	1.92E+01	0.0	0.0	0.0	0.0	2%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	520	3	Surface	Totals		0.0	0.8	0.0	0.8	
10	520	3	Surface	Percent		0.0	1.0	0.0		
10	520	4	Surface	Chromium	3.82E+01	0.0	0.0		0.0	0%
10	520	4	Surface	Copper	1.11E+02	0.0	0.0		0.0	0%
10	520	4	Surface	Mercury	9.69E+00	0.0	1.1		1.1	58%
10	520	4	Surface	Nickel	2.82E+02	0.0	0.6	0.0	0.7	35%
10	520	4	Surface	Silver	1.04E+01	0.0	0.1		0.1	5%
10	520	4	Surface	Total PAH	5.52E-01				0.0	0%
10	520	4	Surface	Uranium	2.40E+01	0.0	0.0	0.0	0.0	1%
10	520	4	Surface	Totals		0.0	1.8	0.0	1.9	
10	520	4	Surface	Percent		0.0	1.0	0.0		
10	520	5	Surface	Antimony	9.60E-01	0.0	0.0		0.0	10%
10	520	5	Surface	Chromium	3.68E+01	0.0	0.0		0.0	1%
10	520	5	Surface	Nickel	1.47E+02	0.0	0.3	0.0	0.3	89%
10	520	5	Surface	Total PAH	3.87E-01				0.0	0%
10	520	5	Surface	Totals		0.0	0.4	0.0	0.4	
10	520	5	Surface	Percent		0.0	1.0	0.0		
11	81	1	Surface	Aluminum	9.57E+03	0.0	0.0	0.0	0.0	0%
11	81	1	Surface	Arsenic	1.03E+01	0.0	0.0	0.0	0.1	1%
11	81	1	Surface	Beryllium	7.57E-01	0.0	0.0	0.0	0.0	0%
11	81	1	Surface	Chromium	8.62E+01	0.0	0.0		0.0	0%
11	81	1	Surface	Mercury	8.33E+00	0.0	0.9		0.9	13%
11	81	1	Surface	Nickel	7.29E+01	0.0	0.2	0.0	0.2	2%
11	81	1	Surface	PCB, Total	1.60E+02				0.0	0%
11	81	1	Surface	Silver	2.70E+00	0.0	0.0		0.0	0%
11	81	1	Surface	Total PAH	5.53E-01				0.0	0%
11	81	1	Surface	Uranium	6.50E+03	1.1	5.0	0.0	6.1	83%
11	81	1	Surface	Totals		1.1	6.2	0.0	7.3	
11	81	1	Surface	Percent		0.2	0.8	0.0		
11	153	1	Surface	PCB, Total	5.09E-01				0.0	
11	153	1	Surface	Total PAH	8.69E-02				0.0	
11	153	1	Surface	Totals					0.0	
11	153	1	Surface	Percent						
11	156	1	Surface	Chromium	4.90E+01	0.0	0.0		0.0	0%
11	156	1	Surface	Manganese	2.83E+03	0.0	0.0	0.1	0.1	8%
11	156	1	Surface	Mercury	9.87E+00	0.0	1.1		1.1	80%
11	156	1	Surface	Nickel	6.16E+01	0.0	0.1	0.0	0.1	10%
11	156	1	Surface	PCB, Total	3.00E-01				0.0	0%
11	156	1	Surface	Total PAH	8.26E-02				0.0	0%
11	156	1	Surface	Uranium	2.32E+01	0.0	0.0	0.0	0.0	2%
11	156	1	Surface	Totals		0.0	1.3	0.1	1.4	
11	156	1	Surface	Percent		0.0	0.9	0.0		
11	160	1	Surface	Antimony	6.80E-01	0.0	0.0		0.0	100%
11	160	1	Surface	Total PAH	5.29E-02				0.0	0%
11	160	1	Surface	Totals		0.0	0.0		0.0	
11	160	1	Surface	Percent		0.0	1.0			
11	163	1	Surface	Chromium	4.94E+01	0.0	0.0		0.0	100%
11	163	1	Surface	Total PAH	1.63E-01				0.0	0%
11	163	1	Surface	Totals		0.0	0.0		0.0	
11	163	1	Surface	Percent		0.0	1.0			
11	219	1	Surface	Nickel	6.71E+01	0.0	0.2	0.0	0.2	100%
11	219	1	Surface	Total PAH	7.50E-02				0.0	0%
11	219	1	Surface	Totals		0.0	0.2	0.0	0.2	
11	219	1	Surface	Percent		0.0	1.0	0.0		
11	488	1	Surface	PCB, Total	1.03E+01				0.0	0%
11	488	1	Surface	Total PAH	2.50E-01				0.0	0%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.24. HIs for the Future Industrial Worker (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
11	488	1	Surface	Uranium	1.48E+01	0.0	0.0	0.0	0.0	100%
11	488	1	Surface	Totals		0.0	0.0	0.0	0.0	
11	488	1	Surface	Percent		0.2	0.8	0.0		

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	1	1	Surface	Beryllium	3.89E+00	0.0	0.1	0.0	0.1	92%
5	1	1	Surface	Cadmium	1.10E+00	0.0	0.0	0.0	0.0	7%
5	1	1	Surface	Chromium	1.28E+01	0.0	0.0		0.0	1%
5	1	1	Surface	PCB, Total	1.76E-01				0.0	0%
5	1	1	Surface	Totals		0.0	0.1	0.0	0.1	
5	1	1	Surface	Percent		13%	86%	0%		
5	1	2	Surface	Beryllium	8.23E+00	0.0	0.1	0.0	0.2	13%
5	1	2	Surface	Cadmium	6.46E+00	0.0	0.0	0.0	0.0	3%
5	1	2	Surface	Chromium	2.01E+02	0.0	0.0		0.0	2%
5	1	2	Surface	Copper	1.81E+02	0.0	0.0		0.0	2%
5	1	2	Surface	Mercury	5.94E+00	0.1	0.5		0.6	46%
5	1	2	Surface	Nickel	5.75E+01	0.0	0.1	0.0	0.1	9%
5	1	2	Surface	PCB, Total	3.21E+01				0.0	0%
5	1	2	Surface	Silver	3.31E+01	0.0	0.2		0.2	21%
5	1	2	Surface	Thallium	3.70E-01	0.0	0.0		0.0	2%
5	1	2	Surface	Vanadium	3.49E+01	0.0	0.0		0.0	3%
5	1	2	Surface	Totals		0.2	1.0	0.0	1.2	
5	1	2	Surface	Percent		16%	83%	0%		
5	1	3	Surface	Chromium	1.45E+01	0.0	0.0		0.0	100%
5	1	3	Surface	PCB, Total	2.17E-01				0.0	0%
5	1	3	Surface	Totals		0.0	0.0		0.0	
5	1	3	Surface	Percent		3%	97%			
5	1	4	Surface	Beryllium	7.25E-01	0.0	0.0	0.0	0.0	12%
5	1	4	Surface	Chromium	9.30E+01	0.0	0.0		0.0	8%
5	1	4	Surface	Nickel	4.69E+01	0.0	0.1	0.0	0.1	80%
5	1	4	Surface	PCB, Total	1.30E-01				0.0	0%
5	1	4	Surface	Totals		0.0	0.1	0.0	0.1	
5	1	4	Surface	Percent		9%	91%	0%		
5	1	5	Surface	Beryllium	8.30E+00	0.0	0.1	0.0	0.2	65%
5	1	5	Surface	Cadmium	1.20E+00	0.0	0.0	0.0	0.0	2%
5	1	5	Surface	Nickel	4.07E+01	0.0	0.1	0.0	0.1	32%
5	1	5	Surface	PCB, Total	2.70E-01				0.0	0%
5	1	5	Surface	Total PAH	9.83E-02				0.0	0%
5	1	5	Surface	Totals		0.0	0.2	0.0	0.2	
5	1	5	Surface	Percent		11%	89%	0%		
5	99	1	Surface	Chromium	5.51E+01	0.0	0.0		0.0	0%
5	99	1	Surface	Mercury	9.53E+00	0.1	0.8		0.9	80%
5	99	1	Surface	Nickel	7.02E+01	0.0	0.1	0.0	0.1	12%
5	99	1	Surface	Silver	1.03E+01	0.0	0.1		0.1	7%
5	99	1	Surface	Totals		0.1	1.0	0.0	1.1	
5	99	1	Surface	Percent		12%	88%	0%		
5	194	1	Surface	Antimony	1.50E+00	0.0	0.0		0.1	6%
5	194	1	Surface	Chromium	3.87E+01	0.0	0.0		0.0	0%
5	194	1	Surface	Mercury	6.71E+00	0.1	0.5		0.6	71%
5	194	1	Surface	Nickel	5.84E+01	0.0	0.1	0.0	0.1	13%
5	194	1	Surface	Silver	1.09E+01	0.0	0.1		0.1	9%
5	194	1	Surface	Totals		0.1	0.8	0.0	0.9	
5	194	1	Surface	Percent		12%	87%	0%		
5	194	2	Surface	Chromium	5.96E+01	0.0	0.0		0.0	4%
5	194	2	Surface	Silver	1.31E+01	0.0	0.1		0.1	69%
5	194	2	Surface	Uranium	2.28E+01	0.0	0.0	0.0	0.0	27%
5	194	2	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	2	Surface	Percent		25%	75%	0%		
5	194	3	Surface	Antimony	6.90E-01	0.0	0.0		0.0	7%
5	194	3	Surface	Arsenic	1.46E+01	0.2	0.0	0.0	0.2	60%
5	194	3	Surface	Chromium	3.90E+01	0.0	0.0		0.0	1%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	3	Surface	Nickel	6.40E+01	0.0	0.1	0.0	0.1	33%
5	194	3	Surface	Total PAH	3.93E-02				0.0	0%
5	194	3	Surface	Totals		0.2	0.2	0.0	0.4	
5	194	3	Surface	Percent		50%	49%	0%		
5	194	4	Surface	Chromium	4.84E+01	0.0	0.0		0.0	0%
5	194	4	Surface	Mercury	8.92E+00	0.1	0.7		0.8	79%
5	194	4	Surface	Nickel	6.91E+01	0.0	0.1	0.0	0.1	12%
5	194	4	Surface	Silver	1.18E+01	0.0	0.1		0.1	8%
5	194	4	Surface	Total PAH	7.30E-02				0.0	0%
5	194	4	Surface	Totals		0.1	0.9	0.0	1.0	
5	194	4	Surface	Percent		12%	88%	0%		
5	194	5	Surface	Chromium	4.58E+01	0.0	0.0		0.0	0%
5	194	5	Surface	Mercury	8.69E+00	0.1	0.7		0.8	77%
5	194	5	Surface	Nickel	7.54E+01	0.0	0.1	0.0	0.1	14%
5	194	5	Surface	Silver	1.25E+01	0.0	0.1		0.1	9%
5	194	5	Surface	Total PAH	2.37E-02				0.0	0%
5	194	5	Surface	Totals		0.1	0.9	0.0	1.0	
5	194	5	Surface	Percent		12%	88%	0%		
5	194	6	Surface	Chromium	3.70E+01	0.0	0.0		0.0	1%
5	194	6	Surface	Manganese	1.08E+03	0.0	0.0	0.0	0.1	19%
5	194	6	Surface	Nickel	8.06E+01	0.0	0.1	0.0	0.2	53%
5	194	6	Surface	Silver	9.89E+00	0.0	0.1		0.1	26%
5	194	6	Surface	Totals		0.0	0.2	0.0	0.3	
5	194	6	Surface	Percent		17%	77%	6%		
5	194	7	Surface	Chromium	5.32E+01	0.0	0.0		0.0	2%
5	194	7	Surface	Nickel	7.71E+01	0.0	0.1	0.0	0.1	60%
5	194	7	Surface	Silver	1.25E+01	0.0	0.1		0.1	38%
5	194	7	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	7	Surface	Percent		9%	91%	0%		
5	194	8	Surface	Bis(2-ethylhexyl)phthalate	1.50E+01	0.0	0.0		0.0	10%
5	194	8	Surface	Chromium	5.36E+01	0.0	0.0		0.0	9.47E-02
5	194	8	Surface	Manganese	8.00E+02	0.0	0.0	0.0	0.0	80%
5	194	8	Surface	Total PAH	4.85E-01				0.0	0%
5	194	8	Surface	Totals		0.0	0.0	0.0	0.1	
5	194	8	Surface	Percent		45%	30%	26%		
5	194	9	Surface	Arsenic	1.14E+01	0.1	0.0	0.0	0.2	97%
5	194	9	Surface	Chromium	5.17E+01	0.0	0.0		0.0	3%
5	194	9	Surface	Totals		0.1	0.0	0.0	0.2	
5	194	9	Surface	Percent		75%	25%	0%		
5	194	10	Surface	Arsenic	1.22E+01	0.1	0.0	0.0	0.2	56%
5	194	10	Surface	Chromium	3.63E+01	0.0	0.0		0.0	1%
5	194	10	Surface	Nickel	7.60E+01	0.0	0.1	0.0	0.1	43%
5	194	10	Surface	Total PAH	2.57E-01				0.0	0%
5	194	10	Surface	Totals		0.2	0.2	0.0	0.3	
5	194	10	Surface	Percent		47%	53%	0%		
5	194	11	Surface	Chromium	3.27E+01	0.0	0.0		0.0	0%
5	194	11	Surface	Mercury	8.09E+00	0.1	0.7		0.7	72%
5	194	11	Surface	Nickel	1.01E+02	0.0	0.2	0.0	0.2	18%
5	194	11	Surface	PCB, Total	8.40E-02				0.0	0%
5	194	11	Surface	Silver	1.33E+01	0.0	0.1		0.1	10%
5	194	11	Surface	Total PAH	7.95E-02				0.0	0%
5	194	11	Surface	Totals		0.1	0.9	0.0	1.0	
5	194	11	Surface	Percent		12%	88%	0%		
5	194	12	Surface	Chromium	6.34E+01	0.0	0.0		0.0	2%
5	194	12	Surface	Nickel	7.86E+01	0.0	0.1	0.0	0.1	61%
5	194	12	Surface	Silver	1.20E+01	0.0	0.1		0.1	37%

SWMU = solid waste management unit
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HI = hazard index

Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	12	Surface	Total PAH	8.91E-01				0.0	0%
5	194	12	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	12	Surface	Percent		9%	91%	0%		
5	194	13	Surface	Chromium	4.77E+01	0.0	0.0		0.0	4%
5	194	13	Surface	Nickel	6.03E+01	0.0	0.1	0.0	0.1	96%
5	194	13	Surface	Total PAH	9.13E-02				0.0	0%
5	194	13	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	13	Surface	Percent		9%	91%	0%		
5	194	14	Surface	Chromium	5.21E+01	0.0	0.0		0.0	1%
5	194	14	Surface	Mercury	8.14E+00	0.1	0.7		0.8	99%
5	194	14	Surface	Totals		0.1	0.7		0.8	
5	194	14	Surface	Percent		12%	88%			
5	194	15	Surface	Chromium	5.33E+01	0.0	0.0		0.0	6%
5	194	15	Surface	Silver	1.03E+01	0.0	0.1		0.1	94%
5	194	15	Surface	Totals		0.0	0.1		0.1	
5	194	15	Surface	Percent		9%	91%			
5	194	16	Surface	Antimony	7.40E-01	0.0	0.0		0.0	6%
5	194	16	Surface	Arsenic	1.15E+01	0.1	0.0	0.0	0.2	40%
5	194	16	Surface	Beryllium	8.70E-01	0.0	0.0	0.0	0.0	4%
5	194	16	Surface	Chromium	5.32E+01	0.0	0.0		0.0	1%
5	194	16	Surface	Nickel	7.20E+01	0.0	0.1	0.0	0.1	31%
5	194	16	Surface	Thallium	6.30E-01	0.0	0.0		0.0	9%
5	194	16	Surface	Vanadium	4.11E+01	0.0	0.0		0.0	8%
5	194	16	Surface	Totals		0.2	0.2	0.0	0.4	
5	194	16	Surface	Percent		48%	51%	0%		
5	194	17	Surface	Arsenic	1.16E+01	0.1	0.0	0.0	0.2	95%
5	194	17	Surface	Cadmium	1.10E+00	0.0	0.0	0.0	0.0	3%
5	194	17	Surface	Chromium	4.65E+01	0.0	0.0		0.0	2%
5	194	17	Surface	Total PAH	1.59E-01				0.0	0%
5	194	17	Surface	Totals		0.1	0.0	0.0	0.2	
5	194	17	Surface	Percent		75%	24%	0%		
5	194	18	Surface	Arsenic	1.06E+01	0.1	0.0	0.0	0.2	55%
5	194	18	Surface	Beryllium	7.40E-01	0.0	0.0	0.0	0.0	5%
5	194	18	Surface	Chromium	6.85E+01	0.0	0.0		0.0	2%
5	194	18	Surface	Nickel	5.78E+01	0.0	0.1	0.0	0.1	38%
5	194	18	Surface	Totals		0.1	0.2	0.0	0.3	
5	194	18	Surface	Percent		47%	53%	0%		
5	194	19	Surface	Arsenic	1.07E+01	0.1	0.0	0.0	0.2	58%
5	194	19	Surface	Chromium	4.84E+01	0.0	0.0		0.0	2%
5	194	19	Surface	Nickel	5.84E+01	0.0	0.1	0.0	0.1	40%
5	194	19	Surface	Totals		0.1	0.1	0.0	0.3	
5	194	19	Surface	Percent		49%	51%	0%		
5	194	20	Surface	Arsenic	1.18E+01	0.1	0.0	0.0	0.2	11%
5	194	20	Surface	Barium	3.26E+02	0.0	0.0	0.0	0.0	3%
5	194	20	Surface	Beryllium	1.10E+00	0.0	0.0	0.0	0.0	1%
5	194	20	Surface	Chromium	5.24E+01	0.0	0.0		0.0	0%
5	194	20	Surface	Cobalt	2.11E+01	0.2	0.1	0.0	0.4	22%
5	194	20	Surface	Manganese	2.29E+03	0.1	0.0	0.0	0.1	7%
5	194	20	Surface	Mercury	7.28E+00	0.1	0.6		0.7	41%
5	194	20	Surface	Nickel	6.57E+01	0.0	0.1	0.0	0.1	7%
5	194	20	Surface	Silver	1.22E+01	0.0	0.1		0.1	6%
5	194	20	Surface	Total PAH	3.10E-02				0.0	0%
5	194	20	Surface	Vanadium	3.81E+01	0.0	0.0		0.0	2%
5	194	20	Surface	Totals		0.6	1.0	0.0	1.7	
5	194	20	Surface	Percent		35%	63%	3%		
5	194	21	Surface	Antimony	9.30E-01	0.0	0.0		0.0	4%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
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HI = hazard index

Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	21	Surface	Chromium	5.51E+01	0.0	0.0		0.0	1%
5	194	21	Surface	Mercury	6.62E+00	0.1	0.5		0.6	74%
5	194	21	Surface	Nickel	7.01E+01	0.0	0.1	0.0	0.1	16%
5	194	21	Surface	Thallium	6.40E-01	0.0	0.0		0.0	5%
5	194	21	Surface	Totals		0.1	0.7	0.0	0.8	
5	194	21	Surface	Percent		15%	85%	0%		
5	194	22	Surface	Chromium	4.90E+01	0.0	0.0		0.0	10%
5	194	22	Surface	Manganese	8.19E+02	0.0	0.0	0.0	0.0	90%
5	194	22	Surface	PCB, Total	1.09E+01				0.0	0%
5	194	22	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	22	Surface	Percent		44%	27%	29%		
5	194	23	Surface	Arsenic	1.16E+01	0.1	0.0	0.0	0.2	31%
5	194	23	Surface	Chromium	6.60E+01	0.0	0.0		0.0	1%
5	194	23	Surface	Iron	1.83E+04	0.1	0.0		0.1	24%
5	194	23	Surface	Nickel	8.77E+01	0.0	0.1	0.0	0.2	29%
5	194	23	Surface	Silver	1.15E+01	0.0	0.1		0.1	15%
5	194	23	Surface	Totals		0.2	0.3	0.0	0.6	
5	194	23	Surface	Percent		44%	56%	0%		
5	194	24	Surface	Chromium	5.02E+01	0.0	0.0		0.0	3%
5	194	24	Surface	Nickel	7.08E+01	0.0	0.1	0.0	0.1	97%
5	194	24	Surface	Total PAH	2.28E-02				0.0	0%
5	194	24	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	24	Surface	Percent		9%	91%	0%		
5	194	25	Surface	Barium	3.00E+02	0.0	0.0	0.0	0.0	19%
5	194	25	Surface	Chromium	6.13E+01	0.0	0.0		0.0	3%
5	194	25	Surface	Manganese	9.96E+02	0.0	0.0	0.0	0.1	23%
5	194	25	Surface	Nickel	6.33E+01	0.0	0.1	0.0	0.1	55%
5	194	25	Surface	Total PAH	2.06E-02				0.0	0%
5	194	25	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	25	Surface	Percent		19%	73%	8%		
5	194	26	Surface	Beryllium	7.00E-01	0.0	0.0	0.0	0.0	11%
5	194	26	Surface	Chromium	4.18E+01	0.0	0.0		0.0	3%
5	194	26	Surface	Silver	1.03E+01	0.0	0.1		0.1	65%
5	194	26	Surface	Thallium	3.90E-01	0.0	0.0		0.0	21%
5	194	26	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	26	Surface	Percent		21%	79%	0%		
5	194	27	Surface	Chromium	5.22E+01	0.0	0.0		0.0	2%
5	194	27	Surface	Nickel	6.55E+01	0.0	0.1	0.0	0.1	60%
5	194	27	Surface	Silver	1.01E+01	0.0	0.1		0.1	37%
5	194	27	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	27	Surface	Percent		9%	91%	0%		
5	194	28	Surface	Arsenic	1.20E+01	0.1	0.0	0.0	0.2	36%
5	194	28	Surface	Beryllium	7.10E-01	0.0	0.0	0.0	0.0	3%
5	194	28	Surface	Chromium	6.07E+01	0.0	0.0		0.0	1%
5	194	28	Surface	Manganese	1.14E+03	0.0	0.0	0.0	0.1	11%
5	194	28	Surface	Nickel	6.95E+01	0.0	0.1	0.0	0.1	26%
5	194	28	Surface	Silver	1.08E+01	0.0	0.1		0.1	16%
5	194	28	Surface	Vanadium	4.06E+01	0.0	0.0		0.0	7%
5	194	28	Surface	Totals		0.2	0.3	0.0	0.5	
5	194	28	Surface	Percent		43%	53%	4%		
5	194	29	Surface	Antimony	7.10E-01	0.0	0.0		0.0	12%
5	194	29	Surface	Chromium	5.06E+01	0.0	0.0		0.0	2%
5	194	29	Surface	Nickel	6.51E+01	0.0	0.1	0.0	0.1	54%
5	194	29	Surface	Silver	9.77E+00	0.0	0.1		0.1	32%
5	194	29	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	29	Surface	Percent		11%	89%	0%		

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Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or $\mu\text{Ci/g}$)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	30	Surface	Chromium	5.66E+01	0.0	0.0		0.0	0%
5	194	30	Surface	Mercury	8.80E+00	0.1	0.7		0.8	80%
5	194	30	Surface	Nickel	6.99E+01	0.0	0.1	0.0	0.1	13%
5	194	30	Surface	Silver	9.76E+00	0.0	0.1		0.1	7%
5	194	30	Surface	Totals		0.1	0.9	0.0	1.0	
5	194	30	Surface	Percent		12%	88%	0%		
5	196	1	Surface	Antimony	5.90E-01	0.0	0.0		0.0	2%
5	196	1	Surface	Chromium	1.96E+01	0.0	0.0		0.0	0%
5	196	1	Surface	Nickel	5.56E+02	0.1	0.9	0.0	1.0	94%
5	196	1	Surface	Uranium	2.33E+01	0.0	0.0	0.0	0.0	4%
5	196	1	Surface	Totals		0.1	1.0	0.0	1.1	
5	196	1	Surface	Percent		12%	88%	0%		
5	196	2	Surface	Barium	2.02E+02	0.0	0.0	0.0	0.0	16%
5	196	2	Surface	Cadmium	2.53E+00	0.0	0.0	0.0	0.0	7%
5	196	2	Surface	Chromium	2.07E+01	0.0	0.0		0.0	1%
5	196	2	Surface	Nickel	7.36E+01	0.0	0.1	0.0	0.1	76%
5	196	2	Surface	PCB, Total	1.51E+00				0.0	0%
5	196	2	Surface	Total PAH	6.80E-01				0.0	0%
5	196	2	Surface	Totals		0.0	0.2	0.0	0.2	
5	196	2	Surface	Percent		14%	85%	1%		
5	489	1	Surface	Chromium	4.16E+01	0.0	0.0		0.0	2%
5	489	1	Surface	Nickel	7.88E+01	0.0	0.1	0.0	0.1	98%
5	489	1	Surface	Total PAH	8.22E-02				0.0	0%
5	489	1	Surface	Totals		0.0	0.1	0.0	0.2	
5	489	1	Surface	Percent		9%	90%	0%		
5	531	1	Surface	Antimony	1.00E+00	0.0	0.0		0.0	2%
5	531	1	Surface	Arsenic	4.68E+01	0.5	0.2	0.0	0.7	45%
5	531	1	Surface	Cadmium	3.10E+00	0.0	0.0	0.0	0.0	1%
5	531	1	Surface	Chromium	5.05E+01	0.0	0.0		0.0	0%
5	531	1	Surface	Iron	5.68E+04	0.3	0.1		0.4	27%
5	531	1	Surface	Nickel	1.62E+02	0.0	0.3	0.0	0.3	19%
5	531	1	Surface	Total PAH	5.34E-02				0.0	0%
5	531	1	Surface	Uranium	2.41E+01	0.0	0.0	0.0	0.0	3%
5	531	1	Surface	Zinc	2.45E+03	0.0	0.0		0.0	3%
5	531	1	Surface	Totals		0.9	0.6	0.0	1.6	
5	531	1	Surface	Percent		59%	41%	0%		
6	200	1	Surface	Antimony	5.60E-01	0.0	0.0		0.0	2%
6	200	1	Surface	Chromium	5.75E+01	0.0	0.0		0.0	1%
6	200	1	Surface	Mercury	6.71E+00	0.1	0.5		0.6	66%
6	200	1	Surface	Nickel	1.28E+02	0.0	0.2	0.0	0.2	26%
6	200	1	Surface	PCB, Total	2.60E+00				0.0	0%
6	200	1	Surface	Total PAH	2.84E-02				0.0	0%
6	200	1	Surface	Uranium	2.73E+01	0.0	0.0	0.0	0.0	5%
6	200	1	Surface	Totals		0.1	0.8	0.0	0.9	
6	200	1	Surface	Percent		15%	85%	0%		
6	212	1	Surface	Arsenic	1.44E+01	0.2	0.0	0.0	0.2	29%
6	212	1	Surface	Beryllium	8.10E-01	0.0	0.0	0.0	0.0	2%
6	212	1	Surface	Chromium	3.58E+01	0.0	0.0		0.0	0%
6	212	1	Surface	Iron	4.14E+04	0.2	0.1		0.3	41%
6	212	1	Surface	Nickel	8.69E+01	0.0	0.1	0.0	0.2	22%
6	212	1	Surface	PCB, Total	1.80E-01				0.0	0%
6	212	1	Surface	Uranium	2.30E+01	0.0	0.0	0.0	0.0	5%
6	212	1	Surface	Totals		0.4	0.3	0.0	0.7	
6	212	1	Surface	Percent		56%	44%	0%		
6	213	1	Surface	Antimony	8.50E-01	0.0	0.0		0.0	12%
6	213	1	Surface	Chromium	4.78E+01	0.0	0.0		0.0	2%

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Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	213	1	Surface	Nickel	6.67E+01	0.0	0.1	0.0	0.1	48%
6	213	1	Surface	PCB, Total	7.30E-02				0.0	0%
6	213	1	Surface	Silver	1.32E+01	0.0	0.1		0.1	38%
6	213	1	Surface	Total PAH	1.72E-01				0.0	0%
6	213	1	Surface	Totals		0.0	0.2	0.0	0.3	
6	213	1	Surface	Percent		11%	89%	0%		
6	213	2	Surface	Chromium	4.48E+01	0.0	0.0		0.0	2%
6	213	2	Surface	Nickel	9.10E+01	0.0	0.2	0.0	0.2	66%
6	213	2	Surface	Silver	1.13E+01	0.0	0.1		0.1	32%
6	213	2	Surface	Totals		0.0	0.2	0.0	0.3	
6	213	2	Surface	Percent		9%	91%	0%		
6	214	1	Surface	Antimony	5.70E-01	0.0	0.0		0.0	100%
6	214	1	Surface	Totals		0.0	0.0		0.0	
6	214	1	Surface	Percent		23%	77%			
6	215	1	Surface	Antimony	6.80E-01	0.0	0.0		0.0	6%
6	215	1	Surface	Chromium	5.73E+01	0.0	0.0		0.0	1%
6	215	1	Surface	Iron	3.87E+04	0.2	0.1		0.3	63%
6	215	1	Surface	Nickel	7.32E+01	0.0	0.1	0.0	0.1	30%
6	215	1	Surface	Total PAH	8.09E-02				0.0	0%
6	215	1	Surface	Totals		0.2	0.2	0.0	0.5	
6	215	1	Surface	Percent		46%	53%	0%		
6	216	1	Surface	Chromium	2.38E+01	0.0	0.0		0.0	100%
6	216	1	Surface	Total PAH	1.49E-01				0.0	0%
6	216	1	Surface	Totals		0.0	0.0		0.0	
6	216	1	Surface	Percent		3%	97%			
6	217	1	Surface	Chromium	8.58E+01	0.0	0.0		0.0	1%
6	217	1	Surface	Cobalt	1.96E+01	0.2	0.1	0.0	0.3	52%
6	217	1	Surface	Manganese	7.70E+02	0.0	0.0	0.0	0.0	6%
6	217	1	Surface	Nickel	8.54E+01	0.0	0.1	0.0	0.2	25%
6	217	1	Surface	Silver	1.35E+01	0.0	0.1		0.1	16%
6	217	1	Surface	Totals		0.3	0.4	0.0	0.6	
6	217	1	Surface	Percent		42%	56%	2%		
6	217	2	Surface	Antimony	1.70E+00	0.0	0.0		0.1	3%
6	217	2	Surface	Arsenic	1.12E+01	0.1	0.0	0.0	0.2	9%
6	217	2	Surface	Chromium	1.02E+02	0.0	0.0		0.0	0%
6	217	2	Surface	Cobalt	1.74E+01	0.2	0.1	0.0	0.3	16%
6	217	2	Surface	Iron	3.09E+04	0.2	0.1		0.2	12%
6	217	2	Surface	Manganese	8.44E+02	0.0	0.0	0.0	0.0	2%
6	217	2	Surface	Mercury	8.59E+00	0.1	0.7		0.8	42%
6	217	2	Surface	Nickel	9.74E+01	0.0	0.2	0.0	0.2	10%
6	217	2	Surface	Silver	1.61E+01	0.0	0.1		0.1	6%
6	217	2	Surface	Total PAH	5.05E-01				0.0	0%
6	217	2	Surface	Totals		0.6	1.2	0.0	1.9	
6	217	2	Surface	Percent		34%	65%	1%		
6	221	1	Surface	Barium	2.21E+02	0.0	0.0	0.0	0.0	9%
6	221	1	Surface	Chromium	7.01E+01	0.0	0.0		0.0	2%
6	221	1	Surface	Iron	1.90E+04	0.1	0.0		0.1	39%
6	221	1	Surface	Nickel	7.93E+01	0.0	0.1	0.0	0.1	42%
6	221	1	Surface	PCB, Total	5.00E-01				0.0	0%
6	221	1	Surface	Total PAH	1.02E+00				0.0	0%
6	221	1	Surface	Uranium	1.64E+01	0.0	0.0	0.0	0.0	8%
6	221	1	Surface	Totals		0.1	0.2	0.0	0.4	
6	221	1	Surface	Percent		37%	63%	0%		
6	222	1	Surface	Chromium	4.73E+01	0.0	0.0		0.0	2%
6	222	1	Surface	Nickel	9.19E+01	0.0	0.2	0.0	0.2	77%
6	222	1	Surface	PCB, Total	1.40E+00				0.0	0%

SWMU = solid waste management unit
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Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	222	1	Surface	Total PAH	1.77E-01				0.0	0%
6	222	1	Surface	Uranium	2.80E+01	0.0	0.0	0.0	0.0	21%
6	222	1	Surface	Totals		0.0	0.2	0.0	0.2	
6	222	1	Surface	Percent		21%	78%	0%		
6	227	1	Surface	Beryllium	5.52E-01	0.0	0.0	0.0	0.0	2%
6	227	1	Surface	Chromium	4.71E+01	0.0	0.0		0.0	1%
6	227	1	Surface	Nickel	2.03E+02	0.0	0.3	0.0	0.4	67%
6	227	1	Surface	PCB, Total	4.14E+00				0.0	0%
6	227	1	Surface	Total PAH	3.38E-01				0.0	0%
6	227	1	Surface	Uranium	1.02E+02	0.1	0.1	0.0	0.2	31%
6	227	1	Surface	Totals		0.2	0.4	0.0	0.6	
6	227	1	Surface	Percent		27%	73%	0%		
6	227	2	Surface	Beryllium	5.32E-01	0.0	0.0	0.0	0.0	1%
6	227	2	Surface	Chromium	5.63E+01	0.0	0.0		0.0	0%
6	227	2	Surface	Cobalt	8.99E+00	0.1	0.1	0.0	0.2	13%
6	227	2	Surface	Mercury	8.41E+00	0.1	0.7		0.8	64%
6	227	2	Surface	Nickel	1.25E+02	0.0	0.2	0.0	0.2	19%
6	227	2	Surface	PCB, Total	5.82E+00				0.0	0%
6	227	2	Surface	Total PAH	1.16E-01				0.0	0%
6	227	2	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	2%
6	227	2	Surface	Totals		0.2	1.0	0.0	1.2	
6	227	2	Surface	Percent		20%	80%	0%		
6	228	1	Surface	Antimony	6.30E-01	0.0	0.0		0.0	2%
6	228	1	Surface	Cadmium	3.90E+00	0.0	0.0	0.0	0.0	2%
6	228	1	Surface	Chromium	1.89E+02	0.0	0.0		0.0	1%
6	228	1	Surface	Mercury	9.37E+00	0.1	0.8		0.9	73%
6	228	1	Surface	Nickel	7.92E+01	0.0	0.1	0.0	0.1	13%
6	228	1	Surface	Silver	1.16E+01	0.0	0.1		0.1	7%
6	228	1	Surface	Total PAH	6.69E-02				0.0	0%
6	228	1	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	2%
6	228	1	Surface	Totals		0.2	1.0	0.0	1.2	
6	228	1	Surface	Percent		14%	86%	0%		
7	76	1	Surface	Barium	2.69E+02	0.0	0.0	0.0	0.0	100%
7	76	1	Surface	PCB, Total	2.60E-01				0.0	0%
7	76	1	Surface	Total PAH	1.76E+00				0.0	0%
7	76	1	Surface	Totals		0.0	0.0	0.0	0.0	
7	76	1	Surface	Percent		12%	86%	1%		
7	165	1	Surface	Antimony	2.20E+00	0.0	0.1		0.1	5%
7	165	1	Surface	Arsenic	6.35E+01	0.7	0.2	0.0	1.0	57%
7	165	1	Surface	Barium	5.84E+02	0.0	0.1	0.0	0.1	5%
7	165	1	Surface	Beryllium	6.82E-01	0.0	0.0	0.0	0.0	1%
7	165	1	Surface	Chromium	3.74E+01	0.0	0.0		0.0	0%
7	165	1	Surface	Mercury	3.78E-01	0.0	0.0		0.0	2%
7	165	1	Surface	Naphthalene	1.61E+00	0.0	0.0	0.0	0.0	1%
7	165	1	Surface	Nickel	3.47E+01	0.0	0.1	0.0	0.1	4%
7	165	1	Surface	PCB, Total	8.27E+00				0.0	0%
7	165	1	Surface	Silver	3.09E+01	0.0	0.2		0.2	14%
7	165	1	Surface	Total PAH	1.87E+00				0.0	0%
7	165	1	Surface	Uranium	1.08E+02	0.1	0.1	0.0	0.2	11%
7	165	1	Surface	Totals		0.9	0.7	0.0	1.7	
7	165	1	Surface	Percent		55%	44%	1%		
8	158	1	Surface	Antimony	5.23E-01	0.0	0.0		0.0	1%
8	158	1	Surface	Arsenic	1.01E+01	0.1	0.0	0.0	0.2	9%
8	158	1	Surface	Barium	2.19E+02	0.0	0.0	0.0	0.0	2%
8	158	1	Surface	Chromium	6.07E+01	0.0	0.0		0.0	0%
8	158	1	Surface	Cobalt	1.62E+01	0.2	0.1	0.0	0.3	17%

SWMU = solid waste management unit
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Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
8	158	1	Surface	Manganese	9.91E+02	0.0	0.0	0.0	0.1	3%
8	158	1	Surface	Mercury	1.05E+01	0.1	0.8		1.0	57%
8	158	1	Surface	Nickel	7.28E+01	0.0	0.1	0.0	0.1	8%
8	158	1	Surface	Thallium	3.12E-01	0.0	0.0		0.0	1%
8	158	1	Surface	Total PAH	3.69E-01				0.0	0%
8	158	1	Surface	Uranium	2.03E+01	0.0	0.0	0.0	0.0	2%
8	158	1	Surface	Totals		0.5	1.2	0.0	1.7	
8	158	1	Surface	Percent		30%	69%	1%		
8	169	1	Surface	Aluminum	1.42E+04	0.0	0.0	0.0	0.1	3%
8	169	1	Surface	Antimony	1.30E+00	0.0	0.0		0.0	2%
8	169	1	Surface	Arsenic	2.03E+01	0.2	0.1	0.0	0.3	11%
8	169	1	Surface	Beryllium	8.00E-01	0.0	0.0	0.0	0.0	1%
8	169	1	Surface	Chromium	2.15E+02	0.0	0.0		0.0	1%
8	169	1	Surface	Copper	3.74E+02	0.0	0.0		0.0	2%
8	169	1	Surface	Iron	4.16E+04	0.2	0.1		0.3	11%
8	169	1	Surface	Mercury	7.87E+00	0.1	0.6		0.7	27%
8	169	1	Surface	Nickel	5.49E+02	0.1	0.9	0.0	1.0	38%
8	169	1	Surface	PCB, Total	1.00E+01				0.0	0%
8	169	1	Surface	Thallium	4.60E-01	0.0	0.0		0.0	1%
8	169	1	Surface	Total PAH	4.59E+00				0.0	0%
8	169	1	Surface	Uranium	5.03E+01	0.1	0.0	0.0	0.1	3%
8	169	1	Surface	Totals		0.8	1.9	0.0	2.7	
8	169	1	Surface	Percent		30%	70%	0%		
9	19	1	Surface	Beryllium	1.10E+00	0.0	0.0	0.0	0.0	23%
9	19	1	Surface	Cadmium	1.20E+00	0.0	0.0	0.0	0.0	7%
9	19	1	Surface	Thallium	9.80E-01	0.0	0.0		0.1	70%
9	19	1	Surface	Total PAH	5.23E+00				0.0	0%
9	19	1	Surface	Totals		0.0	0.0	0.0	0.1	
9	19	1	Surface	Percent		54%	46%	0%		
9	138	1	Surface	Antimony	5.39E+00	0.0	0.2		0.2	11%
9	138	1	Surface	Arsenic	1.06E+01	0.1	0.0	0.0	0.2	9%
9	138	1	Surface	Cadmium	5.42E+00	0.0	0.0	0.0	0.0	1%
9	138	1	Surface	Chromium	5.39E+01	0.0	0.0		0.0	0%
9	138	1	Surface	Mercury	1.30E+01	0.2	1.1		1.2	67%
9	138	1	Surface	Nickel	7.04E+01	0.0	0.1	0.0	0.1	7%
9	138	1	Surface	PCB, Total	5.00E-01				0.0	0%
9	138	1	Surface	Silver	1.01E+01	0.0	0.1		0.1	4%
9	138	1	Surface	Total PAH	9.74E-02				0.0	0%
9	138	1	Surface	Totals		0.4	1.4	0.0	1.8	
9	138	1	Surface	Percent		20%	80%	0%		
9	138	2	Surface	Nickel	7.99E+01	0.0	0.1	0.0	0.2	66%
9	138	2	Surface	PCB, Total	9.20E-02				0.0	0%
9	138	2	Surface	Silver	1.04E+01	0.0	0.1		0.1	34%
9	138	2	Surface	Total PAH	3.84E-02				0.0	0%
9	138	2	Surface	Totals		0.0	0.2	0.0	0.2	
9	138	2	Surface	Percent		9%	90%	0%		
9	180	1	Surface	Antimony	5.80E-01	0.0	0.0		0.0	1%
9	180	1	Surface	Arsenic	7.48E+01	0.9	0.3	0.0	1.1	54%
9	180	1	Surface	Chromium	5.54E+01	0.0	0.0		0.0	0%
9	180	1	Surface	Mercury	8.28E+00	0.1	0.7		0.8	37%
9	180	1	Surface	Nickel	8.77E+01	0.0	0.1	0.0	0.2	8%
9	180	1	Surface	Totals		1.0	1.1	0.0	2.1	
9	180	1	Surface	Percent		47%	53%	0%		
9	180	2	Surface	Antimony	4.58E-01	0.0	0.0		0.0	5%
9	180	2	Surface	Arsenic	1.27E+01	0.1	0.0	0.0	0.2	51%
9	180	2	Surface	Chromium	4.46E+01	0.0	0.0		0.0	1%

SWMU = solid waste management unit

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Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	180	2	Surface	Nickel	8.42E+01	0.0	0.1	0.0	0.2	43%
9	180	2	Surface	Total PAH	9.19E-02				0.0	0%
9	180	2	Surface	Totals		0.2	0.2	0.0	0.4	
9	180	2	Surface	Percent		45%	55%	0%		
9	180	3	Surface	Arsenic	1.34E+01	0.2	0.0	0.0	0.2	48%
9	180	3	Surface	Chromium	4.69E+01	0.0	0.0		0.0	1%
9	180	3	Surface	Nickel	6.77E+01	0.0	0.1	0.0	0.1	31%
9	180	3	Surface	Silver	1.14E+01	0.0	0.1		0.1	20%
9	180	3	Surface	Totals		0.2	0.2	0.0	0.4	
9	180	3	Surface	Percent		42%	58%	0%		
9	180	4	Surface	Arsenic	1.15E+01	0.1	0.0	0.0	0.2	28%
9	180	4	Surface	Barium	2.13E+02	0.0	0.0	0.0	0.0	5%
9	180	4	Surface	Beryllium	1.60E+00	0.0	0.0	0.0	0.0	5%
9	180	4	Surface	Chromium	6.00E+01	0.0	0.0		0.0	1%
9	180	4	Surface	Iron	1.54E+04	0.1	0.0		0.1	18%
9	180	4	Surface	Manganese	7.09E+02	0.0	0.0	0.0	0.0	6%
9	180	4	Surface	Nickel	6.46E+01	0.0	0.1	0.0	0.1	19%
9	180	4	Surface	Silver	9.68E+00	0.0	0.1		0.1	12%
9	180	4	Surface	Total PAH	2.15E-02				0.0	0%
9	180	4	Surface	Vanadium	4.85E+01	0.0	0.0		0.0	7%
9	180	4	Surface	Totals		0.3	0.3	0.0	0.6	
9	180	4	Surface	Percent		46%	52%	2%		
9	181	1	Surface	Chromium	2.29E+01	0.0	0.0		0.0	1%
9	181	1	Surface	Thallium	3.50E+00	0.2	0.1		0.2	99%
9	181	1	Surface	Total PAH	3.43E-02				0.0	0%
9	181	1	Surface	Totals		0.2	0.1		0.2	
9	181	1	Surface	Percent		67%	33%			
9	195	1	Surface	Chromium	6.33E+01	0.0	0.0		0.0	3%
9	195	1	Surface	Nickel	7.02E+01	0.0	0.1	0.0	0.1	64%
9	195	1	Surface	Silver	9.37E+00	0.0	0.1		0.1	34%
9	195	1	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	1	Surface	Percent		9%	91%	0%		
9	195	2	Surface	Chromium	4.52E+01	0.0	0.0		0.0	5%
9	195	2	Surface	Silver	9.48E+00	0.0	0.1		0.1	95%
9	195	2	Surface	Total PAH	2.68E-02				0.0	0%
9	195	2	Surface	Totals		0.0	0.1		0.1	
9	195	2	Surface	Percent		9%	91%			
9	195	3	Surface	Chromium	5.03E+01	0.0	0.0		0.0	4%
9	195	3	Surface	Nickel	5.22E+01	0.0	0.1	0.0	0.1	96%
9	195	3	Surface	Total PAH	4.06E-02				0.0	0%
9	195	3	Surface	Totals		0.0	0.1	0.0	0.1	
9	195	3	Surface	Percent		9%	91%	0%		
9	195	4	Surface	Chromium	5.29E+01	0.0	0.0		0.0	4%
9	195	4	Surface	Nickel	6.23E+01	0.0	0.1	0.0	0.1	96%
9	195	4	Surface	Totals		0.0	0.1	0.0	0.1	
9	195	4	Surface	Percent		9%	91%	0%		
9	195	5	Surface	Chromium	5.74E+01	0.0	0.0		0.0	3%
9	195	5	Surface	Nickel	8.11E+01	0.0	0.1	0.0	0.2	97%
9	195	5	Surface	Total PAH	2.40E-02				0.0	0%
9	195	5	Surface	Totals		0.0	0.1	0.0	0.2	
9	195	5	Surface	Percent		9%	91%	0%		
9	195	6	Surface	Chromium	4.45E+01	0.0	0.0		0.0	2%
9	195	6	Surface	Nickel	8.71E+01	0.0	0.1	0.0	0.2	98%
9	195	6	Surface	Total PAH	2.48E-01				0.0	0%
9	195	6	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	6	Surface	Percent		9%	90%	0%		

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Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	195	7	Surface	Chromium	4.93E+01	0.0	0.0		0.0	7%
9	195	7	Surface	Silver	8.06E+00	0.0	0.1		0.1	93%
9	195	7	Surface	Totals		0.0	0.1		0.1	
9	195	7	Surface	Percent		9%	91%			
9	195	8	Surface	Arsenic	1.16E+01	0.1	0.0	0.0	0.2	26%
9	195	8	Surface	Beryllium	7.40E-01	0.0	0.0	0.0	0.0	2%
9	195	8	Surface	Chromium	6.79E+01	0.0	0.0		0.0	1%
9	195	8	Surface	Cobalt	1.82E+01	0.2	0.1	0.0	0.3	47%
9	195	8	Surface	Nickel	7.01E+01	0.0	0.1	0.0	0.1	19%
9	195	8	Surface	Total PAH	2.16E-01				0.0	0%
9	195	8	Surface	Vanadium	4.04E+01	0.0	0.0		0.0	5%
9	195	8	Surface	Totals		0.4	0.3	0.0	0.7	
9	195	8	Surface	Percent		57%	42%	1%		
9	195	9	Surface	Chromium	6.08E+01	0.0	0.0		0.0	4%
9	195	9	Surface	Nickel	7.93E+01	0.0	0.1	0.0	0.1	96%
9	195	9	Surface	Totals		0.0	0.1	0.0	0.2	
9	195	9	Surface	Percent		9%	91%	0%		
9	195	10	Surface	Chromium	4.51E+01	0.0	0.0		0.0	2%
9	195	10	Surface	Nickel	7.40E+01	0.0	0.1	0.0	0.1	58%
9	195	10	Surface	Silver	1.31E+01	0.0	0.1		0.1	41%
9	195	10	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	10	Surface	Percent		9%	91%	0%		
9	195	11	Surface	Aluminum	2.81E+04	0.1	0.0	0.0	0.2	12%
9	195	11	Surface	Arsenic	1.35E+01	0.2	0.0	0.0	0.2	16%
9	195	11	Surface	Barium	4.53E+02	0.0	0.1	0.0	0.1	5%
9	195	11	Surface	Chromium	5.05E+01	0.0	0.0		0.0	0%
9	195	11	Surface	Cobalt	2.77E+01	0.3	0.2	0.0	0.5	37%
9	195	11	Surface	Iron	1.97E+04	0.1	0.0		0.1	11%
9	195	11	Surface	Nickel	6.77E+01	0.0	0.1	0.0	0.1	10%
9	195	11	Surface	Thallium	6.60E-01	0.0	0.0		0.0	3%
9	195	11	Surface	Vanadium	7.97E+01	0.1	0.0		0.1	5%
9	195	11	Surface	Totals		0.8	0.5	0.0	1.3	
9	195	11	Surface	Percent		60%	39%	1%		
9	195	12	Surface	Beryllium	7.50E-01	0.0	0.0	0.0	0.0	10%
9	195	12	Surface	Chromium	7.04E+01	0.0	0.0		0.0	4%
9	195	12	Surface	Nickel	6.78E+01	0.0	0.1	0.0	0.1	86%
9	195	12	Surface	Totals		0.0	0.1	0.0	0.1	
9	195	12	Surface	Percent		9%	91%	0%		
9	195	13	Surface	Chromium	6.55E+01	0.0	0.0		0.0	4%
9	195	13	Surface	Nickel	6.91E+01	0.0	0.1	0.0	0.1	96%
9	195	13	Surface	Totals		0.0	0.1	0.0	0.1	
9	195	13	Surface	Percent		9%	91%	0%		
9	195	14	Surface	Chromium	5.94E+01	0.0	0.0		0.0	4%
9	195	14	Surface	Nickel	7.04E+01	0.0	0.1	0.0	0.1	96%
9	195	14	Surface	Totals		0.0	0.1	0.0	0.1	
9	195	14	Surface	Percent		9%	91%	0%		
9	195	15	Surface	Chromium	4.82E+01	0.0	0.0		0.0	100%
9	195	15	Surface	Totals		0.0	0.0		0.0	
9	195	15	Surface	Percent		3%	97%			
9	195	16	Surface	Chromium	4.45E+01	0.0	0.0		0.0	3%
9	195	16	Surface	Nickel	8.16E+01	0.0	0.1	0.0	0.2	97%
9	195	16	Surface	Totals		0.0	0.1	0.0	0.2	
9	195	16	Surface	Percent		9%	90%	0%		
9	195	17	Surface	Chromium	8.22E+01	0.0	0.0		0.0	3%
9	195	17	Surface	Mercury	4.17E-01	0.0	0.0		0.0	14%
9	195	17	Surface	Nickel	5.93E+01	0.0	0.1	0.0	0.1	42%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	195	17	Surface	PCB, Total	7.40E-01				0.0	0%
9	195	17	Surface	Silver	1.01E+01	0.0	0.1		0.1	28%
9	195	17	Surface	Thallium	5.40E-01	0.0	0.0		0.0	13%
9	195	17	Surface	Total PAH	3.16E-01				0.0	0%
9	195	17	Surface	Totals		0.0	0.2	0.0	0.3	
9	195	17	Surface	Percent		17%	83%	0%		
9	492	1	Surface	Arsenic	1.47E+01	0.2	0.1	0.0	0.2	6%
9	492	1	Surface	Beryllium	1.04E+01	0.0	0.2	0.0	0.2	5%
9	492	1	Surface	Cadmium	3.14E+00	0.0	0.0	0.0	0.0	0%
9	492	1	Surface	Chromium	1.04E+03	0.0	0.1		0.1	3%
9	492	1	Surface	PCB, Total	4.41E+01				0.0	0%
9	492	1	Surface	Uranium	1.77E+03	2.1	1.0	0.0	3.1	84%
9	492	1	Surface	Vanadium	4.32E+01	0.0	0.0		0.0	1%
9	492	1	Surface	Totals		2.3	1.3	0.0	3.6	
9	492	1	Surface	Percent		63%	37%	0%		
9	493	1	Surface	Aluminum	1.44E+04	0.1	0.0	0.0	0.1	5%
9	493	1	Surface	Barium	4.04E+02	0.0	0.0	0.0	0.1	4%
9	493	1	Surface	Beryllium	9.91E-01	0.0	0.0	0.0	0.0	1%
9	493	1	Surface	Chromium	6.61E+01	0.0	0.0		0.0	0%
9	493	1	Surface	Cobalt	3.79E+01	0.4	0.2	0.0	0.7	45%
9	493	1	Surface	Manganese	3.55E+03	0.1	0.0	0.1	0.2	12%
9	493	1	Surface	Mercury	2.60E-01	0.0	0.0		0.0	2%
9	493	1	Surface	Nickel	2.13E+02	0.0	0.4	0.0	0.4	28%
9	493	1	Surface	PCB, Total	2.60E-01				0.0	0%
9	493	1	Surface	Total PAH	5.00E-01				0.0	0%
9	493	1	Surface	Vanadium	4.05E+01	0.0	0.0		0.0	2%
9	493	1	Surface	Totals		0.7	0.7	0.1	1.5	
9	493	1	Surface	Percent		45%	50%	5%		
9	517	1	Surface	Beryllium	7.39E-01	0.0	0.0	0.0	0.0	4%
9	517	1	Surface	Chromium	4.91E+01	0.0	0.0		0.0	1%
9	517	1	Surface	Nickel	1.72E+02	0.0	0.3	0.0	0.3	95%
9	517	1	Surface	PCB, Total	5.00E-01				0.0	0%
9	517	1	Surface	Totals		0.0	0.3	0.0	0.3	
9	517	1	Surface	Percent		9%	90%	0%		
9	541	1	Surface	Aluminum	1.43E+04	0.0	0.0	0.0	0.1	1%
9	541	1	Surface	Barium	1.28E+02	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Beryllium	6.98E-01	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Cadmium	1.68E+00	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Chromium	8.24E+02	0.0	0.1		0.1	1%
9	541	1	Surface	Iron	1.60E+04	0.1	0.0		0.1	1%
9	541	1	Surface	Mercury	9.81E-02	0.0	0.0		0.0	0%
9	541	1	Surface	Naphthalene	6.55E-01	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Nickel	1.52E+01	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	PCB, Total	6.06E+01				0.0	0%
9	541	1	Surface	Total PAH	2.33E+00				0.0	0%
9	541	1	Surface	Uranium	6.38E+03	7.4	3.6	0.0	11.0	97%
9	541	1	Surface	Vanadium	3.04E+01	0.0	0.0		0.0	0%
9	541	1	Surface	Totals		7.6	3.8	0.0	11.4	
9	541	1	Surface	Percent		66%	34%	0%		
9	561	1	Surface	Antimony	9.36E-01	0.0	0.0		0.0	3%
9	561	1	Surface	Arsenic	1.66E+01	0.2	0.1	0.0	0.2	20%
9	561	1	Surface	Barium	1.40E+02	0.0	0.0	0.0	0.0	2%
9	561	1	Surface	Beryllium	6.85E-01	0.0	0.0	0.0	0.0	1%
9	561	1	Surface	Chromium	8.58E+01	0.0	0.0		0.0	1%
9	561	1	Surface	Cobalt	1.07E+01	0.1	0.1	0.0	0.2	15%
9	561	1	Surface	Iron	2.05E+04	0.1	0.0		0.2	12%

SWMU = solid waste management unit
 EU = exposure unit
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 HI = hazard index

Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or $\mu\text{Ci/g}$)	Ingestion	Dermal	Inhalation	HI	Percent
9	561	1	Surface	Manganese	1.61E+03	0.0	0.0	0.0	0.1	7%
9	561	1	Surface	PCB, Total	1.04E+00				0.0	0%
9	561	1	Surface	Thallium	3.33E-01	0.0	0.0		0.0	2%
9	561	1	Surface	Total PAH	3.94E-01				0.0	0%
9	561	1	Surface	Uranium	2.65E+02	0.3	0.2	0.0	0.5	36%
9	561	1	Surface	Vanadium	3.76E+01	0.0	0.0		0.0	3%
9	561	1	Surface	Totals		0.8	0.4	0.0	1.3	
9	561	1	Surface	Percent		65%	33%	2%		
9	561	2	Surface	Antimony	5.33E+00	0.0	0.2		0.2	6%
9	561	2	Surface	Arsenic	1.30E+01	0.2	0.0	0.0	0.2	6%
9	561	2	Surface	Beryllium	6.34E-01	0.0	0.0	0.0	0.0	0%
9	561	2	Surface	Cadmium	4.13E-01	0.0	0.0	0.0	0.0	0%
9	561	2	Surface	Chromium	2.88E+02	0.0	0.0		0.0	1%
9	561	2	Surface	Cobalt	1.14E+01	0.1	0.1	0.0	0.2	6%
9	561	2	Surface	Manganese	1.12E+03	0.0	0.0	0.0	0.1	2%
9	561	2	Surface	PCB, Total	1.64E+01				0.0	0%
9	561	2	Surface	Thallium	4.09E-01	0.0	0.0		0.0	1%
9	561	2	Surface	Total PAH	2.43E+00				0.0	0%
9	561	2	Surface	Uranium	1.38E+03	1.6	0.8	0.0	2.4	76%
9	561	2	Surface	Vanadium	3.46E+01	0.0	0.0		0.0	1%
9	561	2	Surface	Totals		2.0	1.1	0.0	3.1	
9	561	2	Surface	Percent		64%	35%	1%		
9	562	1	Surface	Uranium	8.73E+01	0.1	0.0	0.0	0.2	100%
9	562	1	Surface	Totals		0.1	0.0	0.0	0.2	
9	562	1	Surface	Percent		67%	33%	0%		
9	562	2	Surface	PCB, Total	1.58E+00				0.0	
9	562	2	Surface	Totals					0.0	
9	562	2	Surface	Percent						
9	562	3	Surface	Chromium	3.82E+01	0.0	0.0		0.0	3%
9	562	3	Surface	PCB, Total	2.40E-01				0.0	0%
9	562	3	Surface	Total PAH	2.20E-01				0.0	0%
9	562	3	Surface	Uranium	5.89E+01	0.1	0.0	0.0	0.1	97%
9	562	3	Surface	Totals		0.1	0.0	0.0	0.1	
9	562	3	Surface	Percent		0.6	0.3	0.0		
9	562	4	Surface	Chromium	4.67E+01	0.0	0.0		0.0	10%
9	562	4	Surface	Uranium	2.10E+01	0.0	0.0	0.0	0.0	90%
9	562	4	Surface	Totals		0.0	0.0	0.0	0.0	
9	562	4	Surface	Percent		0.6	0.4	0.0		
9	562	5	Surface	Chromium	1.53E+02	0.0	0.0		0.0	4%
9	562	5	Surface	PCB, Total	9.50E-01				0.0	0%
9	562	5	Surface	Total PAH	7.05E-02				0.0	0%
9	562	5	Surface	Uranium	2.08E+02	0.2	0.1	0.0	0.4	96%
9	562	5	Surface	Totals		0.2	0.1	0.0	0.4	
9	562	5	Surface	Percent		0.6	0.4	0.0		
9	563	1	Surface	Cadmium	8.96E-01	0.0	0.0	0.0	0.0	8%
9	563	1	Surface	Chromium	2.85E+02	0.0	0.0		0.0	46%
9	563	1	Surface	PCB, Total	7.40E-01				0.0	0%
9	563	1	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	47%
9	563	1	Surface	Totals		0.0	0.0	0.0	0.1	
9	563	1	Surface	Percent		0.4	0.6	0.0		
9	564	1	Surface	Arsenic	4.30E+01	0.5	0.1	0.0	0.6	48%
9	564	1	Surface	Beryllium	2.12E+00	0.0	0.0	0.0	0.0	3%
9	564	1	Surface	Cadmium	1.96E+00	0.0	0.0	0.0	0.0	1%
9	564	1	Surface	Chromium	7.49E+01	0.0	0.0		0.0	0%
9	564	1	Surface	Iron	3.66E+04	0.2	0.1		0.3	20%
9	564	1	Surface	Mercury	2.30E-01	0.0	0.0		0.0	2%

SWMU = solid waste management unit

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Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	564	1	Surface	Nickel	2.24E+01	0.0	0.0	0.0	0.0	3%
9	564	1	Surface	PCB, Total	1.93E+00				0.0	0%
9	564	1	Surface	Thallium	2.36E+00	0.1	0.1		0.2	11%
9	564	1	Surface	Uranium	5.83E+01	0.1	0.0	0.0	0.1	7%
9	564	1	Surface	Vanadium	8.06E+01	0.1	0.0		0.1	5%
9	564	1	Surface	Totals		0.9	0.4	0.0	1.4	
9	564	1	Surface	Percent		68%	32%	0%		
9	567	3	Surface	Chromium	3.79E+01	0.0	0.0		0.0	100%
9	567	3	Surface	Totals		0.0	0.0		0.0	
9	567	3	Surface	Percent		0.0	1.0			
9	567	4	Surface	Aluminum	1.25E+04	0.0	0.0	0.0	0.1	98%
9	567	4	Surface	Chromium	1.63E+01	0.0	0.0		0.0	2%
9	567	4	Surface	Totals		0.0	0.0	0.0	0.1	
9	567	4	Surface	Percent		0.6	0.3	0.0		
10	14	1	Surface	Arsenic	1.10E+01	0.1	0.0	0.0	0.2	20%
10	14	1	Surface	Chromium	6.36E+01	0.0	0.0		0.0	1%
10	14	1	Surface	Iron	1.89E+04	0.1	0.0		0.1	17%
10	14	1	Surface	Nickel	1.40E+02	0.0	0.2	0.0	0.3	32%
10	14	1	Surface	PCB, Total	5.00E-01				0.0	0%
10	14	1	Surface	Silver	1.67E+01	0.0	0.1		0.1	15%
10	14	1	Surface	Uranium	7.21E+01	0.1	0.0	0.0	0.1	15%
10	14	1	Surface	Totals		0.3	0.5	0.0	0.8	
10	14	1	Surface	Percent		0.4	0.6	0.0		
10	14	2	Surface	Antimony	3.70E+00	0.0	0.1		0.1	5%
10	14	2	Surface	Arsenic	1.45E+01	0.2	0.0	0.0	0.2	9%
10	14	2	Surface	Beryllium	7.10E-01	0.0	0.0	0.0	0.0	1%
10	14	2	Surface	Chromium	6.65E+01	0.0	0.0		0.0	0%
10	14	2	Surface	Copper	1.76E+02	0.0	0.0		0.0	1%
10	14	2	Surface	Iron	3.72E+04	0.2	0.1		0.3	11%
10	14	2	Surface	Manganese	1.44E+03	0.0	0.0	0.0	0.1	3%
10	14	2	Surface	Mercury	2.67E-01	0.0	0.0		0.0	1%
10	14	2	Surface	Nickel	6.78E+02	0.1	1.2	0.0	1.3	50%
10	14	2	Surface	PCB, Total	3.90E-01				0.0	0%
10	14	2	Surface	Total PAH	3.38E-01				0.0	0%
10	14	2	Surface	Uranium	2.93E+02	0.3	0.2	0.0	0.5	20%
10	14	2	Surface	Totals		0.9	1.6	0.0	2.6	
10	14	2	Surface	Percent		0.4	0.6	0.0		
10	14	3	Surface	Arsenic	1.30E+01	0.2	0.0	0.0	0.2	7%
10	14	3	Surface	Chromium	7.01E+01	0.0	0.0		0.0	0%
10	14	3	Surface	Copper	1.29E+02	0.0	0.0		0.0	1%
10	14	3	Surface	Iron	3.48E+04	0.2	0.1		0.3	10%
10	14	3	Surface	Manganese	1.06E+03	0.0	0.0	0.0	0.1	2%
10	14	3	Surface	Mercury	7.48E+00	0.1	0.6		0.7	26%
10	14	3	Surface	Molybdenum	2.21E+01	0.0	0.0		0.0	1%
10	14	3	Surface	Nickel	5.76E+02	0.1	1.0	0.0	1.1	40%
10	14	3	Surface	PCB, Total	8.65E+00				0.0	0%
10	14	3	Surface	Uranium	2.18E+02	0.3	0.1	0.0	0.4	14%
10	14	3	Surface	Totals		0.8	1.9	0.0	2.7	
10	14	3	Surface	Percent		0.3	0.7	0.0		
10	14	4	Surface	Antimony	4.30E+00	0.0	0.1		0.2	6%
10	14	4	Surface	Arsenic	1.33E+01	0.2	0.0	0.0	0.2	7%
10	14	4	Surface	Chromium	7.20E+01	0.0	0.0		0.0	0%
10	14	4	Surface	Copper	3.54E+02	0.0	0.0		0.0	2%
10	14	4	Surface	Iron	3.88E+04	0.2	0.1		0.3	10%
10	14	4	Surface	Mercury	4.87E-01	0.0	0.0		0.0	2%
10	14	4	Surface	Nickel	7.31E+02	0.1	1.2	0.0	1.4	48%

SWMU = solid waste management unit

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COPC = chemical of potential concern

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HI = hazard index

Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	4	Surface	PCB, Total	6.61E+00				0.0	0%
10	14	4	Surface	Silver	1.17E+01	0.0	0.1		0.1	3%
10	14	4	Surface	Total PAH	2.51E-01				0.0	0%
10	14	4	Surface	Uranium	3.72E+02	0.4	0.2	0.0	0.6	23%
10	14	4	Surface	Totals		1.0	1.9	0.0	2.9	
10	14	4	Surface	Percent		0.3	0.7	0.0		
10	14	5	Surface	Antimony	2.30E+00	0.0	0.1		0.1	3%
10	14	5	Surface	Arsenic	1.31E+01	0.2	0.0	0.0	0.2	6%
10	14	5	Surface	Cadmium	3.90E+00	0.0	0.0	0.0	0.0	1%
10	14	5	Surface	Chromium	4.70E+01	0.0	0.0		0.0	0%
10	14	5	Surface	Cobalt	1.40E+01	0.2	0.1	0.0	0.2	7%
10	14	5	Surface	Copper	1.34E+02	0.0	0.0		0.0	1%
10	14	5	Surface	Iron	3.92E+04	0.2	0.1		0.3	9%
10	14	5	Surface	Manganese	8.28E+02	0.0	0.0	0.0	0.0	1%
10	14	5	Surface	Mercury	1.09E+01	0.1	0.9		1.0	30%
10	14	5	Surface	Nickel	4.61E+02	0.1	0.8	0.0	0.9	26%
10	14	5	Surface	PCB, Total	1.00E+00				0.0	0%
10	14	5	Surface	Silver	1.29E+01	0.0	0.1		0.1	3%
10	14	5	Surface	Thallium	4.10E-01	0.0	0.0		0.0	1%
10	14	5	Surface	Total PAH	1.21E-01				0.0	0%
10	14	5	Surface	Uranium	2.62E+02	0.3	0.1	0.0	0.5	14%
10	14	5	Surface	Totals		1.1	2.2	0.0	3.4	
10	14	5	Surface	Percent		0.3	0.7	0.0		
10	14	6	Surface	Antimony	2.70E+00	0.0	0.1		0.1	3%
10	14	6	Surface	Cadmium	8.40E-01	0.0	0.0	0.0	0.0	0%
10	14	6	Surface	Chromium	4.46E+02	0.0	0.0		0.0	1%
10	14	6	Surface	Copper	1.22E+02	0.0	0.0		0.0	1%
10	14	6	Surface	Mercury	3.47E-01	0.0	0.0		0.0	1%
10	14	6	Surface	Nickel	9.63E+02	0.2	1.6	0.0	1.8	59%
10	14	6	Surface	PCB, Total	5.00E+00				0.0	0%
10	14	6	Surface	Silver	1.19E+01	0.0	0.1		0.1	3%
10	14	6	Surface	Uranium	5.79E+02	0.7	0.3	0.0	1.0	32%
10	14	6	Surface	Totals		0.9	2.2	0.0	3.1	
10	14	6	Surface	Percent		0.3	0.7	0.0		
10	14	7	Surface	Antimony	7.50E-01	0.0	0.0		0.0	1%
10	14	7	Surface	Arsenic	1.13E+01	0.1	0.0	0.0	0.2	4%
10	14	7	Surface	Cadmium	2.70E+00	0.0	0.0	0.0	0.0	0%
10	14	7	Surface	Chromium	6.46E+01	0.0	0.0		0.0	0%
10	14	7	Surface	Mercury	7.82E+00	0.1	0.6		0.7	19%
10	14	7	Surface	Nickel	1.22E+03	0.2	2.1	0.0	2.3	60%
10	14	7	Surface	PCB, Total	7.60E+00				0.0	0%
10	14	7	Surface	Total PAH	6.31E-02				0.0	0%
10	14	7	Surface	Uranium	3.33E+02	0.4	0.2	0.0	0.6	15%
10	14	7	Surface	Totals		0.8	3.0	0.0	3.8	
10	14	7	Surface	Percent		0.2	0.8	0.0		
10	14	8	Surface	Antimony	6.10E-01	0.0	0.0		0.0	1%
10	14	8	Surface	Arsenic	1.14E+01	0.1	0.0	0.0	0.2	6%
10	14	8	Surface	Chromium	4.60E+01	0.0	0.0		0.0	0%
10	14	8	Surface	Mercury	7.90E+00	0.1	0.6		0.7	26%
10	14	8	Surface	Nickel	6.73E+02	0.1	1.1	0.0	1.3	44%
10	14	8	Surface	PCB, Total	5.00E+00				0.0	0%
10	14	8	Surface	Silver	9.63E+00	0.0	0.1		0.1	3%
10	14	8	Surface	Total PAH	6.28E-02				0.0	0%
10	14	8	Surface	Uranium	3.35E+02	0.4	0.2	0.0	0.6	20%
10	14	8	Surface	Totals		0.7	2.1	0.0	2.8	
10	14	8	Surface	Percent		0.3	0.7	0.0		

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	9	Surface	Antimony	2.00E+00	0.0	0.1		0.1	2%
10	14	9	Surface	Arsenic	1.40E+01	0.2	0.0	0.0	0.2	4%
10	14	9	Surface	Cadmium	9.40E-01	0.0	0.0	0.0	0.0	0%
10	14	9	Surface	Chromium	4.64E+01	0.0	0.0		0.0	0%
10	14	9	Surface	Mercury	1.13E+00	0.0	0.1		0.1	2%
10	14	9	Surface	Nickel	9.43E+02	0.2	1.6	0.0	1.8	38%
10	14	9	Surface	PCB, Total	6.84E+00				0.0	0%
10	14	9	Surface	Total PAH	4.87E-01				0.0	0%
10	14	9	Surface	Uranium	1.46E+03	1.7	0.8	0.0	2.5	54%
10	14	9	Surface	Totals		2.1	2.6	0.0	4.7	
10	14	9	Surface	Percent		0.4	0.6	0.0		
10	14	10	Surface	Antimony	9.40E-01	0.0	0.0		0.0	1%
10	14	10	Surface	Arsenic	1.12E+01	0.1	0.0	0.0	0.2	4%
10	14	10	Surface	Chromium	4.19E+01	0.0	0.0		0.0	0%
10	14	10	Surface	Copper	1.41E+02	0.0	0.0		0.0	0%
10	14	10	Surface	Iron	2.75E+04	0.1	0.1		0.2	5%
10	14	10	Surface	Mercury	2.51E+01	0.3	2.0		2.3	53%
10	14	10	Surface	Nickel	6.00E+02	0.1	1.0	0.0	1.1	26%
10	14	10	Surface	PCB, Total	9.38E+00				0.0	0%
10	14	10	Surface	Total PAH	2.72E-01				0.0	0%
10	14	10	Surface	Uranium	2.88E+02	0.3	0.2	0.0	0.5	11%
10	14	10	Surface	Totals		1.0	3.4	0.0	4.4	
10	14	10	Surface	Percent		0.2	0.8	0.0		
10	518	1	Surface	Carbazole	1.17E+01				0.0	0%
10	518	1	Surface	Cobalt	6.80E+00	0.1	0.0	0.0	0.1	22%
10	518	1	Surface	Nickel	1.29E+01	0.0	0.0	0.0	0.0	5%
10	518	1	Surface	PCB, Total	6.30E-01				0.0	0%
10	518	1	Surface	Pyrene	3.94E+01	0.0	0.0	0.0	0.0	2%
10	518	1	Surface	Total PAH	3.90E+01				0.0	0%
10	518	1	Surface	Uranium	2.17E+02	0.3	0.1	0.0	0.4	71%
10	518	1	Surface	Totals		0.3	0.2	0.0	0.5	
10	518	1	Surface	Percent		0.6	0.4	0.0		
10	520	1	Surface	Chromium	3.17E+01	0.0	0.0		0.0	0%
10	520	1	Surface	Iron	1.56E+04	0.1	0.0		0.1	7%
10	520	1	Surface	Mercury	1.07E+01	0.1	0.9		1.0	57%
10	520	1	Surface	Nickel	2.60E+02	0.0	0.4	0.0	0.5	28%
10	520	1	Surface	Silver	1.30E+01	0.0	0.1		0.1	6%
10	520	1	Surface	Total PAH	3.18E-02				0.0	0%
10	520	1	Surface	Uranium	2.29E+01	0.0	0.0	0.0	0.0	2%
10	520	1	Surface	Totals		0.3	1.5	0.0	1.7	
10	520	1	Surface	Percent		0.2	0.8	0.0		
10	520	2	Surface	Beryllium	5.79E-01	0.0	0.0	0.0	0.0	1%
10	520	2	Surface	Chromium	6.67E+01	0.0	0.0		0.0	0%
10	520	2	Surface	Manganese	5.89E+02	0.0	0.0	0.0	0.0	2%
10	520	2	Surface	Mercury	1.19E+01	0.1	1.0		1.1	61%
10	520	2	Surface	Nickel	3.11E+02	0.1	0.5	0.0	0.6	32%
10	520	2	Surface	Total PAH	3.17E-01				0.0	0%
10	520	2	Surface	Uranium	3.96E+01	0.0	0.0	0.0	0.1	4%
10	520	2	Surface	Totals		0.3	1.5	0.0	1.8	
10	520	2	Surface	Percent		0.1	0.9	0.0		
10	520	3	Surface	Chromium	3.97E+01	0.0	0.0		0.0	1%
10	520	3	Surface	Copper	1.19E+02	0.0	0.0		0.0	2%
10	520	3	Surface	Nickel	2.65E+02	0.0	0.5	0.0	0.5	77%
10	520	3	Surface	Silver	1.27E+01	0.0	0.1		0.1	15%
10	520	3	Surface	Total PAH	1.18E-01				0.0	0%
10	520	3	Surface	Uranium	1.92E+01	0.0	0.0	0.0	0.0	5%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	520	3	Surface	Totals		0.1	0.6	0.0	0.6	
10	520	3	Surface	Percent		0.1	0.9	0.0		
10	520	4	Surface	Chromium	3.82E+01	0.0	0.0		0.0	0%
10	520	4	Surface	Copper	1.11E+02	0.0	0.0		0.0	1%
10	520	4	Surface	Mercury	9.69E+00	0.1	0.8		0.9	57%
10	520	4	Surface	Nickel	2.82E+02	0.0	0.5	0.0	0.5	34%
10	520	4	Surface	Silver	1.04E+01	0.0	0.1		0.1	5%
10	520	4	Surface	Total PAH	5.52E-01				0.0	0%
10	520	4	Surface	Uranium	2.40E+01	0.0	0.0	0.0	0.0	3%
10	520	4	Surface	Totals		0.2	1.4	0.0	1.6	
10	520	4	Surface	Percent		0.1	0.9	0.0		
10	520	5	Surface	Antimony	9.60E-01	0.0	0.0		0.0	11%
10	520	5	Surface	Chromium	3.68E+01	0.0	0.0		0.0	1%
10	520	5	Surface	Nickel	1.47E+02	0.0	0.2	0.0	0.3	88%
10	520	5	Surface	Total PAH	3.87E-01				0.0	0%
10	520	5	Surface	Totals		0.0	0.3	0.0	0.3	
10	520	5	Surface	Percent		0.1	0.9	0.0		
11	81	1	Surface	Aluminum	9.57E+03	0.0	0.0	0.0	0.1	0%
11	81	1	Surface	Arsenic	1.03E+01	0.1	0.0	0.0	0.2	1%
11	81	1	Surface	Beryllium	7.57E-01	0.0	0.0	0.0	0.0	0%
11	81	1	Surface	Chromium	8.62E+01	0.0	0.0		0.0	0%
11	81	1	Surface	Mercury	8.33E+00	0.1	0.7		0.8	6%
11	81	1	Surface	Nickel	7.29E+01	0.0	0.1	0.0	0.1	1%
11	81	1	Surface	PCB, Total	1.60E+02				0.0	0%
11	81	1	Surface	Silver	2.70E+00	0.0	0.0		0.0	0%
11	81	1	Surface	Total PAH	5.53E-01				0.0	0%
11	81	1	Surface	Uranium	6.50E+03	7.5	3.7	0.0	11.2	91%
11	81	1	Surface	Totals		7.8	4.6	0.0	12.4	
11	81	1	Surface	Percent		0.6	0.4	0.0		
11	153	1	Surface	PCB, Total	5.09E-01				0.0	
11	153	1	Surface	Total PAH	8.69E-02				0.0	
11	153	1	Surface	Totals					0.0	
11	153	1	Surface	Percent						
11	156	1	Surface	Chromium	4.90E+01	0.0	0.0		0.0	0%
11	156	1	Surface	Manganese	2.83E+03	0.1	0.0	0.0	0.1	12%
11	156	1	Surface	Mercury	9.87E+00	0.1	0.8		0.9	75%
11	156	1	Surface	Nickel	6.16E+01	0.0	0.1	0.0	0.1	10%
11	156	1	Surface	PCB, Total	3.00E-01				0.0	0%
11	156	1	Surface	Total PAH	8.26E-02				0.0	0%
11	156	1	Surface	Uranium	2.32E+01	0.0	0.0	0.0	0.0	3%
11	156	1	Surface	Totals		0.2	0.9	0.0	1.2	
11	156	1	Surface	Percent		0.2	0.8	0.0		
11	160	1	Surface	Antimony	6.80E-01	0.0	0.0		0.0	100%
11	160	1	Surface	Total PAH	5.29E-02				0.0	0%
11	160	1	Surface	Totals		0.0	0.0		0.0	
11	160	1	Surface	Percent		0.2	0.8			
11	163	1	Surface	Chromium	4.94E+01	0.0	0.0		0.0	100%
11	163	1	Surface	Total PAH	1.63E-01				0.0	0%
11	163	1	Surface	Totals		0.0	0.0		0.0	
11	163	1	Surface	Percent		0.0	1.0			
11	219	1	Surface	Nickel	6.71E+01	0.0	0.1	0.0	0.1	100%
11	219	1	Surface	Total PAH	7.50E-02				0.0	0%
11	219	1	Surface	Totals		0.0	0.1	0.0	0.1	
11	219	1	Surface	Percent		0.1	0.9	0.0		
11	488	1	Surface	PCB, Total	1.03E+01				0.0	0%
11	488	1	Surface	Total PAH	2.50E-01				0.0	0%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.25. HIs for the Outdoor Worker Exposed to Surface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
11	488	1	Surface	Uranium	1.48E+01	0.0	0.0	0.0	0.0	100%
11	488	1	Surface	Totals		0.0	0.0	0.0	0.0	
11	488	1	Surface	Percent		0.7	0.3	0.0		

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	1	1	Subsurface	Aluminum	1.05E+04	0.0	0.0	0.0	0.1	0%
5	1	1	Subsurface	Antimony	2.06E+00	0.0	0.1		0.1	0%
5	1	1	Subsurface	Arsenic	6.74E+00	0.1	0.0	0.0	0.1	1%
5	1	1	Subsurface	Barium	1.46E+02	0.0	0.0	0.0	0.0	0%
5	1	1	Subsurface	Beryllium	3.37E+00	0.0	0.1	0.0	0.1	0%
5	1	1	Subsurface	Cadmium	1.83E+00	0.0	0.0	0.0	0.0	0%
5	1	1	Subsurface	Chromium	2.32E+01	0.0	0.0		0.0	0%
5	1	1	Subsurface	Cobalt	1.05E+01	0.1	0.1	0.0	0.2	1%
5	1	1	Subsurface	Manganese	1.00E+03	0.0	0.0	0.0	0.1	0%
5	1	1	Subsurface	Nickel	1.62E+01	0.0	0.0	0.0	0.0	0%
5	1	1	Subsurface	PCB, Total	1.20E-01				0.0	0%
5	1	1	Subsurface	Thallium	8.92E-01	0.0	0.0		0.1	0%
5	1	1	Subsurface	Trichloroethene	6.90E-01	0.0	0.0	0.0	0.0	0%
5	1	1	Subsurface	Vanadium	3.29E+01	1.6	16.0	0.0	17.6	96%
5	1	1	Subsurface	Totals		2.0	16.3	0.0	18.3	
5	1	1	Subsurface	Percent		11%	89%	0%		
5	1	2	Subsurface	Aluminum	9.14E+03	0.0	0.0	0.0	0.0	0%
5	1	2	Subsurface	Arsenic	7.82E+00	0.1	0.0	0.0	0.1	0%
5	1	2	Subsurface	Barium	1.57E+02	0.0	0.0	0.0	0.0	0%
5	1	2	Subsurface	Beryllium	5.07E+00	0.0	0.1	0.0	0.1	0%
5	1	2	Subsurface	Cadmium	3.74E+00	0.0	0.0	0.0	0.0	0%
5	1	2	Subsurface	Chromium	1.26E+02	0.0	0.0		0.0	0%
5	1	2	Subsurface	cis-1,2-Dichloroethene	2.40E+03	4.2	10.2	26.8	41.2	89%
5	1	2	Subsurface	Copper	1.13E+02	0.0	0.0		0.0	0%
5	1	2	Subsurface	Manganese	7.28E+02	0.0	0.0	0.0	0.0	0%
5	1	2	Subsurface	Mercury	7.06E+00	0.1	0.6		0.7	1%
5	1	2	Subsurface	Nickel	4.96E+01	0.0	0.1	0.0	0.1	0%
5	1	2	Subsurface	PCB, Total	3.21E+01				0.0	0%
5	1	2	Subsurface	Silver	7.39E+01	0.1	0.5		0.6	1%
5	1	2	Subsurface	Thallium	3.70E-01	0.0	0.0		0.0	0%
5	1	2	Subsurface	trans-1,2-Dichloroethene	8.93E+00	0.0	0.0	0.1	0.1	0%
5	1	2	Subsurface	Trichloroethene	6.48E+01	0.8	1.8	0.7	3.3	7%
5	1	2	Subsurface	Vanadium	3.22E+01	0.0	0.0		0.0	0%
5	1	2	Subsurface	Vinyl chloride	4.47E+00	0.0	0.0	0.0	0.1	0%
5	1	2	Subsurface	Totals		5.3	13.4	27.7	46.3	
5	1	2	Subsurface	Percent		11%	29%	60%		
5	1	3	Subsurface	Antimony	3.80E-01	0.0	0.0		0.0	7%
5	1	3	Subsurface	Arsenic	6.24E+00	0.1	0.0	0.0	0.1	45%
5	1	3	Subsurface	Barium	1.34E+02	0.0	0.0	0.0	0.0	9%
5	1	3	Subsurface	Cadmium	3.32E+00	0.0	0.0	0.0	0.0	8%
5	1	3	Subsurface	Manganese	5.13E+02	0.0	0.0	0.0	0.0	12%
5	1	3	Subsurface	Nickel	2.16E+01	0.0	0.0	0.0	0.0	19%
5	1	3	Subsurface	PCB, Total	2.08E-01				0.0	0%
5	1	3	Subsurface	Totals		0.1	0.1	0.0	0.2	
5	1	3	Subsurface	Percent		50%	45%	4%		
5	1	4	Subsurface	Beryllium	7.52E-01	0.0	0.0	0.0	0.0	0%
5	1	4	Subsurface	Cadmium	2.09E+00	0.0	0.0	0.0	0.0	0%
5	1	4	Subsurface	Chromium	7.09E+01	0.0	0.0		0.0	0%
5	1	4	Subsurface	Nickel	2.81E+01	0.0	0.0	0.0	0.1	0%
5	1	4	Subsurface	PCB, Total	9.24E-02				0.0	0%
5	1	4	Subsurface	Trichloroethene	1.90E-01	0.0	0.0	0.0	0.0	0%
5	1	4	Subsurface	Vanadium	2.87E+01	1.4	14.0	0.0	15.4	99%
5	1	4	Subsurface	Totals		1.4	14.0	0.0	15.5	
5	1	4	Subsurface	Percent		9%	91%	0%		

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	1	5	Subsurface	Aluminum	1.20E+04	0.0	0.0	0.0	0.1	7%
5	1	5	Subsurface	Arsenic	1.67E+01	0.2	0.1	0.0	0.3	26%
5	1	5	Subsurface	Barium	2.15E+02	0.0	0.0	0.0	0.0	3%
5	1	5	Subsurface	Beryllium	8.30E+00	0.0	0.1	0.0	0.2	16%
5	1	5	Subsurface	Cadmium	2.97E+00	0.0	0.0	0.0	0.0	2%
5	1	5	Subsurface	Cobalt	1.43E+01	0.2	0.1	0.0	0.2	26%
5	1	5	Subsurface	Manganese	2.16E+03	0.1	0.0	0.0	0.1	12%
5	1	5	Subsurface	Nickel	4.07E+01	0.0	0.1	0.0	0.1	8%
5	1	5	Subsurface	PCB, Total	2.70E-01				0.0	0%
5	1	5	Subsurface	Total PAH	9.83E-02				0.0	0%
5	1	5	Subsurface	Totals		0.5	0.4	0.0	1.0	
5	1	5	Subsurface	Percent		52%	44%	4%		
5	99	1	Subsurface	Aluminum	1.16E+04	0.0	0.0	0.0	0.1	4%
5	99	1	Subsurface	Arsenic	9.94E+00	0.1	0.0	0.0	0.1	10%
5	99	1	Subsurface	Barium	1.35E+02	0.0	0.0	0.0	0.0	1%
5	99	1	Subsurface	Beryllium	7.22E-01	0.0	0.0	0.0	0.0	1%
5	99	1	Subsurface	Chromium	6.29E+01	0.0	0.0		0.0	0%
5	99	1	Subsurface	Manganese	6.28E+02	0.0	0.0	0.0	0.0	2%
5	99	1	Subsurface	Mercury	9.53E+00	0.1	0.8		0.9	62%
5	99	1	Subsurface	Nickel	8.52E+01	0.0	0.1	0.0	0.2	11%
5	99	1	Subsurface	Silver	1.03E+01	0.0	0.1		0.1	5%
5	99	1	Subsurface	Uranium	1.61E+01	0.0	0.0	0.0	0.0	2%
5	99	1	Subsurface	Totals		0.3	1.1	0.0	1.4	
5	99	1	Subsurface	Percent		23%	76%	1%		
5	99	2	Subsurface	Chromium	4.57E+01	0.0	0.0		0.0	100%
5	99	2	Subsurface	Totals		0.0	0.0		0.0	
5	99	2	Subsurface	Percent		3%	97%			
5	194	1	Subsurface	Antimony	8.62E-01	0.0	0.0		0.0	0%
5	194	1	Subsurface	Arsenic	1.02E+01	0.1	0.0	0.0	0.2	1%
5	194	1	Subsurface	Beryllium	5.96E-01	0.0	0.0	0.0	0.0	0%
5	194	1	Subsurface	Chromium	5.11E+01	0.0	0.0		0.0	0%
5	194	1	Subsurface	Manganese	5.82E+02	0.0	0.0	0.0	0.0	0%
5	194	1	Subsurface	Mercury	6.71E+00	0.1	0.5		0.6	3%
5	194	1	Subsurface	Nickel	6.12E+01	0.0	0.1	0.0	0.1	1%
5	194	1	Subsurface	Silver	1.09E+01	0.0	0.1		0.1	0%
5	194	1	Subsurface	Thallium	3.84E-01	0.0	0.0		0.0	0%
5	194	1	Subsurface	Vanadium	3.74E+01	1.9	18.2	0.0	20.1	95%
5	194	1	Subsurface	Totals		2.1	19.0	0.0	21.1	
5	194	1	Subsurface	Percent		10%	90%	0%		
5	194	2	Subsurface	Antimony	6.59E-01	0.0	0.0		0.0	0%
5	194	2	Subsurface	Arsenic	1.02E+01	0.1	0.0	0.0	0.2	1%
5	194	2	Subsurface	Beryllium	6.96E-01	0.0	0.0	0.0	0.0	0%
5	194	2	Subsurface	Chromium	5.96E+01	0.0	0.0		0.0	0%
5	194	2	Subsurface	Manganese	7.01E+02	0.0	0.0	0.0	0.0	0%
5	194	2	Subsurface	Mercury	6.90E+00	0.1	0.6		0.6	3%
5	194	2	Subsurface	Silver	1.39E+01	0.0	0.1		0.1	1%
5	194	2	Subsurface	Uranium	2.68E+01	0.0	0.0	0.0	0.0	0%
5	194	2	Subsurface	Vanadium	3.55E+01	1.8	17.2	0.0	19.0	95%
5	194	2	Subsurface	Totals		2.0	18.0	0.0	20.0	
5	194	2	Subsurface	Percent		10%	90%	0%		
5	194	3	Subsurface	Antimony	5.92E-01	0.0	0.0		0.0	6%
5	194	3	Subsurface	Arsenic	1.44E+01	0.2	0.0	0.0	0.2	60%
5	194	3	Subsurface	Chromium	4.98E+01	0.0	0.0		0.0	1%
5	194	3	Subsurface	Nickel	6.32E+01	0.0	0.1	0.0	0.1	33%
5	194	3	Subsurface	Total PAH	3.39E-02				0.0	0%

SWMU = solid waste management unit
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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	3	Subsurface	Totals		0.2	0.2	0.0	0.4	
5	194	3	Subsurface	Percent		51%	49%	0%		
5	194	4	Subsurface	Aluminum	8.50E+03	0.0	0.0	0.0	0.0	0%
5	194	4	Subsurface	Arsenic	1.02E+01	0.1	0.0	0.0	0.2	1%
5	194	4	Subsurface	Beryllium	5.87E-01	0.0	0.0	0.0	0.0	0%
5	194	4	Subsurface	Chromium	5.59E+01	0.0	0.0		0.0	0%
5	194	4	Subsurface	Iron	1.83E+04	0.1	0.0		0.1	1%
5	194	4	Subsurface	Manganese	4.76E+02	0.0	0.0	0.0	0.0	0%
5	194	4	Subsurface	Mercury	8.92E+00	0.1	0.7		0.8	5%
5	194	4	Subsurface	Nickel	8.15E+01	0.0	0.1	0.0	0.2	1%
5	194	4	Subsurface	Silver	1.23E+01	0.0	0.1		0.1	1%
5	194	4	Subsurface	Total PAH	2.85E-02				0.0	0%
5	194	4	Subsurface	Vanadium	3.07E+01	1.5	14.9	0.0	16.4	92%
5	194	4	Subsurface	Totals		1.9	16.0	0.0	17.9	
5	194	4	Subsurface	Percent		11%	89%	0%		
5	194	5	Subsurface	Aluminum	9.38E+03	0.0	0.0	0.0	0.1	0%
5	194	5	Subsurface	Arsenic	9.71E+00	0.1	0.0	0.0	0.1	1%
5	194	5	Subsurface	Beryllium	6.26E-01	0.0	0.0	0.0	0.0	0%
5	194	5	Subsurface	Chromium	5.54E+01	0.0	0.0		0.0	0%
5	194	5	Subsurface	Manganese	1.39E+03	0.0	0.0	0.0	0.1	0%
5	194	5	Subsurface	Mercury	8.69E+00	0.1	0.7		0.8	4%
5	194	5	Subsurface	Nickel	7.56E+01	0.0	0.1	0.0	0.1	1%
5	194	5	Subsurface	Silver	1.29E+01	0.0	0.1		0.1	1%
5	194	5	Subsurface	Total PAH	4.50E-01				0.0	0%
5	194	5	Subsurface	Vanadium	3.19E+01	1.6	15.5	0.0	17.1	93%
5	194	5	Subsurface	Totals		1.9	16.5	0.0	18.4	
5	194	5	Subsurface	Percent		10%	90%	0%		
5	194	6	Subsurface	Manganese	1.37E+03	0.0	0.0	0.0	0.1	25%
5	194	6	Subsurface	Nickel	6.98E+01	0.0	0.1	0.0	0.1	48%
5	194	6	Subsurface	Silver	9.89E+00	0.0	0.1		0.1	27%
5	194	6	Subsurface	Totals		0.1	0.2	0.0	0.3	
5	194	6	Subsurface	Percent		19%	72%	8%		
5	194	7	Subsurface	Arsenic	1.02E+01	0.1	0.0	0.0	0.2	35%
5	194	7	Subsurface	Chromium	5.32E+01	0.0	0.0		0.0	1%
5	194	7	Subsurface	Manganese	7.86E+02	0.0	0.0	0.0	0.0	9%
5	194	7	Subsurface	Nickel	7.71E+01	0.0	0.1	0.0	0.1	33%
5	194	7	Subsurface	Silver	1.25E+01	0.0	0.1		0.1	21%
5	194	7	Subsurface	Totals		0.2	0.3	0.0	0.4	
5	194	7	Subsurface	Percent		37%	60%	3%		
5	194	8	Subsurface	Antimony	5.58E-01	0.0	0.0		0.0	3%
5	194	8	Subsurface	Arsenic	1.09E+01	0.1	0.0	0.0	0.2	27%
5	194	8	Subsurface	Bis(2-ethylhexyl)phthalate	1.50E+01	0.0	0.0		0.0	1%
5	194	8	Subsurface	Chromium	6.09E+01	0.0	0.0		0.0	1%
5	194	8	Subsurface	Cobalt	1.33E+01	0.2	0.1	0.0	0.2	38%
5	194	8	Subsurface	Manganese	1.33E+03	0.0	0.0	0.0	0.1	11%
5	194	8	Subsurface	Nickel	6.01E+01	0.0	0.1	0.0	0.1	19%
5	194	8	Subsurface	Total PAH	3.74E-01				0.0	0%
5	194	8	Subsurface	Totals		0.3	0.3	0.0	0.6	
5	194	8	Subsurface	Percent		55%	41%	4%		
5	194	9	Subsurface	Arsenic	9.77E+00	0.1	0.0	0.0	0.1	39%
5	194	9	Subsurface	Chromium	4.48E+01	0.0	0.0		0.0	1%
5	194	9	Subsurface	Manganese	5.54E+02	0.0	0.0	0.0	0.0	8%
5	194	9	Subsurface	Nickel	5.98E+01	0.0	0.1	0.0	0.1	30%
5	194	9	Subsurface	Silver	1.07E+01	0.0	0.1		0.1	22%
5	194	9	Subsurface	Totals		0.1	0.2	0.0	0.4	

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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	9	Subsurface	Percent		39%	58%	3%		
5	194	10	Subsurface	Arsenic	1.10E+01	0.1	0.0	0.0	0.2	15%
5	194	10	Subsurface	Chromium	5.00E+01	0.0	0.0		0.0	0%
5	194	10	Subsurface	Mercury	8.07E+00	0.1	0.7		0.7	69%
5	194	10	Subsurface	Nickel	7.60E+01	0.0	0.1	0.0	0.1	13%
5	194	10	Subsurface	Thallium	4.50E-01	0.0	0.0		0.0	3%
5	194	10	Subsurface	Total PAH	2.57E-01				0.0	0%
5	194	10	Subsurface	Totals		0.3	0.8	0.0	1.1	
5	194	10	Subsurface	Percent		23%	77%	0%		
5	194	11	Subsurface	Arsenic	1.08E+01	0.1	0.0	0.0	0.2	13%
5	194	11	Subsurface	Chromium	5.66E+01	0.0	0.0		0.0	0%
5	194	11	Subsurface	Mercury	8.09E+00	0.1	0.7		0.7	61%
5	194	11	Subsurface	Nickel	1.01E+02	0.0	0.2	0.0	0.2	15%
5	194	11	Subsurface	PCB, Total	8.40E-02				0.0	0%
5	194	11	Subsurface	Silver	1.33E+01	0.0	0.1		0.1	8%
5	194	11	Subsurface	Thallium	3.70E-01	0.0	0.0		0.0	2%
5	194	11	Subsurface	Total PAH	7.95E-02				0.0	0%
5	194	11	Subsurface	Totals		0.3	1.0	0.0	1.2	
5	194	11	Subsurface	Percent		21%	79%	0%		
5	194	12	Subsurface	Arsenic	9.18E+00	0.1	0.0	0.0	0.1	31%
5	194	12	Subsurface	Chromium	6.34E+01	0.0	0.0		0.0	1%
5	194	12	Subsurface	Manganese	7.31E+02	0.0	0.0	0.0	0.0	8%
5	194	12	Subsurface	Nickel	7.86E+01	0.0	0.1	0.0	0.1	33%
5	194	12	Subsurface	Silver	1.54E+01	0.0	0.1		0.1	26%
5	194	12	Subsurface	Total PAH	7.07E-01				0.0	0%
5	194	12	Subsurface	Totals		0.1	0.3	0.0	0.4	
5	194	12	Subsurface	Percent		34%	64%	3%		
5	194	13	Subsurface	Arsenic	9.90E+00	0.1	0.0	0.0	0.1	48%
5	194	13	Subsurface	Chromium	6.25E+01	0.0	0.0		0.0	2%
5	194	13	Subsurface	Manganese	6.05E+02	0.0	0.0	0.0	0.0	10%
5	194	13	Subsurface	Nickel	6.80E+01	0.0	0.1	0.0	0.1	41%
5	194	13	Subsurface	Total PAH	6.73E-02				0.0	0%
5	194	13	Subsurface	Totals		0.1	0.2	0.0	0.3	
5	194	13	Subsurface	Percent		45%	51%	4%		
5	194	14	Subsurface	Aluminum	1.26E+04	0.0	0.0	0.0	0.1	0%
5	194	14	Subsurface	Arsenic	1.09E+01	0.1	0.0	0.0	0.2	1%
5	194	14	Subsurface	Chromium	6.09E+01	0.0	0.0		0.0	0%
5	194	14	Subsurface	Manganese	7.02E+02	0.0	0.0	0.0	0.0	0%
5	194	14	Subsurface	Mercury	8.94E+00	0.1	0.7		0.8	4%
5	194	14	Subsurface	Nickel	7.09E+01	0.0	0.1	0.0	0.1	1%
5	194	14	Subsurface	Vanadium	3.51E+01	1.7	17.1	0.0	18.8	94%
5	194	14	Subsurface	Totals		2.0	18.0	0.0	20.1	
5	194	14	Subsurface	Percent		10%	90%	0%		
5	194	15	Subsurface	Arsenic	8.95E+00	0.1	0.0	0.0	0.1	33%
5	194	15	Subsurface	Chromium	6.06E+01	0.0	0.0		0.0	1%
5	194	15	Subsurface	Manganese	6.10E+02	0.0	0.0	0.0	0.0	8%
5	194	15	Subsurface	Nickel	7.98E+01	0.0	0.1	0.0	0.2	37%
5	194	15	Subsurface	Silver	1.17E+01	0.0	0.1		0.1	21%
5	194	15	Subsurface	Totals		0.1	0.3	0.0	0.4	
5	194	15	Subsurface	Percent		34%	63%	3%		
5	194	16	Subsurface	Antimony	5.08E-01	0.0	0.0		0.0	3%
5	194	16	Subsurface	Arsenic	1.09E+01	0.1	0.0	0.0	0.2	28%
5	194	16	Subsurface	Beryllium	6.46E-01	0.0	0.0	0.0	0.0	2%
5	194	16	Subsurface	Chromium	5.32E+01	0.0	0.0		0.0	1%
5	194	16	Subsurface	Manganese	1.72E+03	0.0	0.0	0.0	0.1	15%

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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	16	Subsurface	Nickel	8.59E+01	0.0	0.1	0.0	0.2	27%
5	194	16	Subsurface	Silver	1.23E+01	0.0	0.1		0.1	16%
5	194	16	Subsurface	Thallium	3.81E-01	0.0	0.0		0.0	4%
5	194	16	Subsurface	Vanadium	3.24E+01	0.0	0.0		0.0	5%
5	194	16	Subsurface	Totals		0.2	0.3	0.0	0.6	
5	194	16	Subsurface	Percent		40%	55%	5%		
5	194	17	Subsurface	Arsenic	1.12E+01	0.1	0.0	0.0	0.2	55%
5	194	17	Subsurface	Cadmium	8.52E-01	0.0	0.0	0.0	0.0	1%
5	194	17	Subsurface	Chromium	5.45E+01	0.0	0.0		0.0	2%
5	194	17	Subsurface	Nickel	6.94E+01	0.0	0.1	0.0	0.1	43%
5	194	17	Subsurface	Total PAH	1.04E-01				0.0	0%
5	194	17	Subsurface	Totals		0.1	0.2	0.0	0.3	
5	194	17	Subsurface	Percent		47%	53%	0%		
5	194	18	Subsurface	Aluminum	1.67E+04	0.1	0.0	0.0	0.1	0%
5	194	18	Subsurface	Antimony	5.94E-01	0.0	0.0		0.0	0%
5	194	18	Subsurface	Arsenic	1.19E+01	0.1	0.0	0.0	0.2	1%
5	194	18	Subsurface	Beryllium	7.21E-01	0.0	0.0	0.0	0.0	0%
5	194	18	Subsurface	Chromium	6.85E+01	0.0	0.0		0.0	0%
5	194	18	Subsurface	Iron	2.10E+04	0.1	0.1		0.2	1%
5	194	18	Subsurface	Manganese	7.72E+02	0.0	0.0	0.0	0.0	0%
5	194	18	Subsurface	Nickel	9.80E+01	0.0	0.2	0.0	0.2	1%
5	194	18	Subsurface	Thallium	3.04E-01	0.0	0.0		0.0	0%
5	194	18	Subsurface	Vanadium	3.90E+01	1.9	19.0	0.0	20.9	97%
5	194	18	Subsurface	Totals		2.3	19.3	0.0	21.6	
5	194	18	Subsurface	Percent		11%	89%	0%		
5	194	19	Subsurface	Arsenic	9.96E+00	0.1	0.0	0.0	0.1	42%
5	194	19	Subsurface	Chromium	4.84E+01	0.0	0.0		0.0	1%
5	194	19	Subsurface	Nickel	6.83E+01	0.0	0.1	0.0	0.1	36%
5	194	19	Subsurface	Silver	9.44E+00	0.0	0.1		0.1	20%
5	194	19	Subsurface	Totals		0.1	0.2	0.0	0.4	
5	194	19	Subsurface	Percent		38%	62%	0%		
5	194	20	Subsurface	Arsenic	1.14E+01	0.1	0.0	0.0	0.2	11%
5	194	20	Subsurface	Barium	2.35E+02	0.0	0.0	0.0	0.0	2%
5	194	20	Subsurface	Beryllium	8.66E-01	0.0	0.0	0.0	0.0	1%
5	194	20	Subsurface	Chromium	7.11E+01	0.0	0.0		0.0	0%
5	194	20	Subsurface	Cobalt	1.48E+01	0.2	0.1	0.0	0.3	17%
5	194	20	Subsurface	Manganese	2.33E+03	0.1	0.0	0.0	0.1	8%
5	194	20	Subsurface	Mercury	7.28E+00	0.1	0.6		0.7	45%
5	194	20	Subsurface	Nickel	6.57E+01	0.0	0.1	0.0	0.1	8%
5	194	20	Subsurface	Silver	1.08E+01	0.0	0.1		0.1	5%
5	194	20	Subsurface	Total PAH	2.08E-02				0.0	0%
5	194	20	Subsurface	Vanadium	3.29E+01	0.0	0.0		0.0	2%
5	194	20	Subsurface	Totals		0.5	1.0	0.0	1.5	
5	194	20	Subsurface	Percent		33%	65%	3%		
5	194	21	Subsurface	Antimony	9.30E-01	0.0	0.0		0.0	0%
5	194	21	Subsurface	Arsenic	3.52E+01	0.4	0.1	0.0	0.5	1%
5	194	21	Subsurface	Barium	2.96E+03	0.1	0.4	0.0	0.4	1%
5	194	21	Subsurface	Beryllium	1.80E+00	0.0	0.0	0.0	0.0	0%
5	194	21	Subsurface	Chromium	5.51E+01	0.0	0.0		0.0	0%
5	194	21	Subsurface	Cobalt	8.31E+01	1.0	0.5	0.0	1.4	3%
5	194	21	Subsurface	Iron	4.73E+04	0.2	0.1		0.3	1%
5	194	21	Subsurface	Manganese	3.11E+04	0.8	0.3	0.5	1.6	3%
5	194	21	Subsurface	Mercury	6.62E+00	0.1	0.5		0.6	1%
5	194	21	Subsurface	Nickel	7.01E+01	0.0	0.1	0.0	0.1	0%
5	194	21	Subsurface	Thallium	1.40E+00	0.1	0.0		0.1	0%

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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	21	Subsurface	Vanadium	8.63E+01	4.3	42.0	0.0	46.2	90%
5	194	21	Subsurface	Totals		6.9	44.1	0.5	51.5	
5	194	21	Subsurface	Percent		13%	86%	1%		
5	194	22	Subsurface	Aluminum	1.13E+04	0.0	0.0	0.0	0.1	8%
5	194	22	Subsurface	Antimony	5.29E-01	0.0	0.0		0.0	3%
5	194	22	Subsurface	Arsenic	1.15E+01	0.1	0.0	0.0	0.2	24%
5	194	22	Subsurface	Chromium	4.75E+01	0.0	0.0		0.0	1%
5	194	22	Subsurface	Cobalt	1.08E+01	0.1	0.1	0.0	0.2	26%
5	194	22	Subsurface	Manganese	1.06E+03	0.0	0.0	0.0	0.1	8%
5	194	22	Subsurface	Nickel	7.08E+01	0.0	0.1	0.0	0.1	19%
5	194	22	Subsurface	PCB, Total	1.04E+01				0.0	0%
5	194	22	Subsurface	Silver	1.14E+01	0.0	0.1		0.1	12%
5	194	22	Subsurface	Totals		0.3	0.3	0.0	0.7	
5	194	22	Subsurface	Percent		49%	48%	3%		
5	194	23	Subsurface	Arsenic	1.12E+01	0.1	0.0	0.0	0.2	13%
5	194	23	Subsurface	Cadmium	6.58E+00	0.0	0.0	0.0	0.0	2%
5	194	23	Subsurface	Chromium	5.90E+01	0.0	0.0		0.0	0%
5	194	23	Subsurface	Iron	1.94E+04	0.1	0.0		0.1	11%
5	194	23	Subsurface	Manganese	7.24E+02	0.0	0.0	0.0	0.0	3%
5	194	23	Subsurface	Mercury	7.75E+00	0.1	0.6		0.7	54%
5	194	23	Subsurface	Nickel	7.33E+01	0.0	0.1	0.0	0.1	10%
5	194	23	Subsurface	Silver	1.04E+01	0.0	0.1		0.1	6%
5	194	23	Subsurface	Totals		0.4	0.9	0.0	1.3	
5	194	23	Subsurface	Percent		29%	70%	1%		
5	194	24	Subsurface	Arsenic	1.19E+01	0.1	0.0	0.0	0.2	15%
5	194	24	Subsurface	Beryllium	6.50E-01	0.0	0.0	0.0	0.0	1%
5	194	24	Subsurface	Chromium	4.67E+01	0.0	0.0		0.0	0%
5	194	24	Subsurface	Iron	2.31E+04	0.1	0.1		0.2	14%
5	194	24	Subsurface	Manganese	6.03E+02	0.0	0.0	0.0	0.0	3%
5	194	24	Subsurface	Mercury	7.03E+00	0.1	0.6		0.7	54%
5	194	24	Subsurface	Nickel	8.41E+01	0.0	0.1	0.0	0.2	13%
5	194	24	Subsurface	Total PAH	1.49E-02				0.0	0%
5	194	24	Subsurface	Totals		0.4	0.8	0.0	1.2	
5	194	24	Subsurface	Percent		30%	69%	1%		
5	194	25	Subsurface	Aluminum	1.45E+04	0.1	0.0	0.0	0.1	17%
5	194	25	Subsurface	Arsenic	1.05E+01	0.1	0.0	0.0	0.2	34%
5	194	25	Subsurface	Barium	3.00E+02	0.0	0.0	0.0	0.0	9%
5	194	25	Subsurface	Beryllium	8.30E-01	0.0	0.0	0.0	0.0	3%
5	194	25	Subsurface	Chromium	5.23E+01	0.0	0.0		0.0	1%
5	194	25	Subsurface	Manganese	9.90E+02	0.0	0.0	0.0	0.1	11%
5	194	25	Subsurface	Nickel	6.33E+01	0.0	0.1	0.0	0.1	26%
5	194	25	Subsurface	Total PAH	2.06E-02				0.0	0%
5	194	25	Subsurface	Totals		0.2	0.2	0.0	0.5	
5	194	25	Subsurface	Percent		46%	50%	4%		
5	194	26	Subsurface	Aluminum	1.21E+04	0.0	0.0	0.0	0.1	0%
5	194	26	Subsurface	Arsenic	9.09E+00	0.1	0.0	0.0	0.1	1%
5	194	26	Subsurface	Beryllium	7.31E-01	0.0	0.0	0.0	0.0	0%
5	194	26	Subsurface	Chromium	4.81E+01	0.0	0.0		0.0	0%
5	194	26	Subsurface	Cobalt	1.34E+01	0.2	0.1	0.0	0.2	1%
5	194	26	Subsurface	Manganese	6.25E+02	0.0	0.0	0.0	0.0	0%
5	194	26	Subsurface	Silver	1.03E+01	0.0	0.1		0.1	0%
5	194	26	Subsurface	Thallium	3.12E-01	0.0	0.0		0.0	0%
5	194	26	Subsurface	Vanadium	3.84E+01	1.9	18.7	0.0	20.6	97%
5	194	26	Subsurface	Totals		2.2	18.9	0.0	21.2	
5	194	26	Subsurface	Percent		11%	89%	0%		

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	27	Subsurface	Antimony	4.96E-01	0.0	0.0		0.0	5%
5	194	27	Subsurface	Arsenic	1.07E+01	0.1	0.0	0.0	0.2	42%
5	194	27	Subsurface	Chromium	5.16E+01	0.0	0.0		0.0	1%
5	194	27	Subsurface	Nickel	6.55E+01	0.0	0.1	0.0	0.1	32%
5	194	27	Subsurface	Silver	1.03E+01	0.0	0.1		0.1	20%
5	194	27	Subsurface	Totals		0.1	0.2	0.0	0.4	
5	194	27	Subsurface	Percent		38%	62%	0%		
5	194	28	Subsurface	Arsenic	1.13E+01	0.1	0.0	0.0	0.2	32%
5	194	28	Subsurface	Beryllium	7.41E-01	0.0	0.0	0.0	0.0	3%
5	194	28	Subsurface	Chromium	6.36E+01	0.0	0.0		0.0	1%
5	194	28	Subsurface	Manganese	1.21E+03	0.0	0.0	0.0	0.1	12%
5	194	28	Subsurface	Nickel	6.89E+01	0.0	0.1	0.0	0.1	25%
5	194	28	Subsurface	Silver	1.52E+01	0.0	0.1		0.1	22%
5	194	28	Subsurface	Vanadium	3.85E+01	0.0	0.0		0.0	6%
5	194	28	Subsurface	Totals		0.2	0.3	0.0	0.5	
5	194	28	Subsurface	Percent		40%	56%	4%		
5	194	29	Subsurface	Aluminum	1.32E+04	0.0	0.0	0.0	0.1	0%
5	194	29	Subsurface	Antimony	7.10E-01	0.0	0.0		0.0	0%
5	194	29	Subsurface	Arsenic	1.43E+01	0.2	0.0	0.0	0.2	1%
5	194	29	Subsurface	Barium	1.88E+02	0.0	0.0	0.0	0.0	0%
5	194	29	Subsurface	Beryllium	8.20E-01	0.0	0.0	0.0	0.0	0%
5	194	29	Subsurface	Chromium	5.76E+01	0.0	0.0		0.0	0%
5	194	29	Subsurface	Cobalt	1.41E+01	0.2	0.1	0.0	0.2	1%
5	194	29	Subsurface	Manganese	2.65E+03	0.1	0.0	0.0	0.1	1%
5	194	29	Subsurface	Nickel	8.47E+01	0.0	0.1	0.0	0.2	1%
5	194	29	Subsurface	Silver	9.77E+00	0.0	0.1		0.1	0%
5	194	29	Subsurface	Thallium	4.40E-01	0.0	0.0		0.0	0%
5	194	29	Subsurface	Vanadium	4.12E+01	2.0	20.0	0.0	22.1	96%
5	194	29	Subsurface	Totals		2.5	20.5	0.0	23.1	
5	194	29	Subsurface	Percent		11%	89%	0%		
5	194	30	Subsurface	Arsenic	9.44E+00	0.1	0.0	0.0	0.1	1%
5	194	30	Subsurface	Beryllium	3.16E+00	0.0	0.1	0.0	0.1	0%
5	194	30	Subsurface	Chromium	5.70E+01	0.0	0.0		0.0	0%
5	194	30	Subsurface	Manganese	6.15E+02	0.0	0.0	0.0	0.0	0%
5	194	30	Subsurface	Mercury	8.80E+00	0.1	0.7		0.8	5%
5	194	30	Subsurface	Nickel	6.99E+01	0.0	0.1	0.0	0.1	1%
5	194	30	Subsurface	Silver	1.04E+01	0.0	0.1		0.1	0%
5	194	30	Subsurface	Vanadium	2.79E+01	1.4	13.5	0.0	14.9	92%
5	194	30	Subsurface	Totals		1.6	14.5	0.0	16.2	
5	194	30	Subsurface	Percent		10%	90%	0%		
5	196	1	Subsurface	Aluminum	1.79E+04	0.1	0.0	0.0	0.1	0%
5	196	1	Subsurface	Antimony	1.21E+02	1.1	3.4		4.5	11%
5	196	1	Subsurface	Arsenic	1.05E+01	0.1	0.0	0.0	0.2	0%
5	196	1	Subsurface	Barium	3.89E+02	0.0	0.0	0.0	0.1	0%
5	196	1	Subsurface	Beryllium	1.13E+02	0.2	1.9	0.0	2.1	5%
5	196	1	Subsurface	Cadmium	1.16E+02	0.4	0.2	0.0	0.6	1%
5	196	1	Subsurface	Chromium	1.12E+02	0.0	0.0		0.0	0%
5	196	1	Subsurface	Cobalt	1.12E+02	1.3	0.6	0.0	1.9	5%
5	196	1	Subsurface	Iron	2.96E+04	0.1	0.1		0.2	1%
5	196	1	Subsurface	Manganese	1.98E+03	0.0	0.0	0.0	0.1	0%
5	196	1	Subsurface	Nickel	5.87E+02	0.1	1.0	0.0	1.1	3%
5	196	1	Subsurface	Silver	6.54E+01	0.0	0.4		0.5	1%
5	196	1	Subsurface	Thallium	1.14E+02	5.0	2.4		7.4	17%
5	196	1	Subsurface	Uranium	2.33E+01	0.0	0.0	0.0	0.0	0%
5	196	1	Subsurface	Vanadium	4.38E+01	2.2	21.3	0.0	23.5	56%

SWMU = solid waste management unit
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 HI = hazard index

Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	196	1	Subsurface	Zinc	1.65E+03	0.0	0.0		0.0	0%
5	196	1	Subsurface	Totals		10.7	31.5	0.1	42.3	
5	196	1	Subsurface	Percent		25%	75%	0%		
5	196	2	Subsurface	Aluminum	1.69E+04	0.1	0.0	0.0	0.1	3%
5	196	2	Subsurface	Antimony	6.22E+01	0.5	1.8		2.3	82%
5	196	2	Subsurface	Arsenic	9.40E+00	0.1	0.0	0.0	0.1	5%
5	196	2	Subsurface	Barium	2.02E+02	0.0	0.0	0.0	0.0	1%
5	196	2	Subsurface	Cadmium	4.42E+00	0.0	0.0	0.0	0.0	1%
5	196	2	Subsurface	Nickel	8.01E+01	0.0	0.1	0.0	0.2	5%
5	196	2	Subsurface	PCB, Total	1.51E+00				0.0	0%
5	196	2	Subsurface	Selenium	6.29E+01	0.0	0.0	0.0	0.1	2%
5	196	2	Subsurface	Total PAH	9.04E+00				0.0	0%
5	196	2	Subsurface	Totals		0.8	2.0	0.0	2.8	
5	196	2	Subsurface	Percent		28%	72%	0%		
5	489	1	Subsurface	Arsenic	1.00E+01	0.1	0.0	0.0	0.2	50%
5	489	1	Subsurface	Cadmium	8.70E-01	0.0	0.0	0.0	0.0	1%
5	489	1	Subsurface	Nickel	7.88E+01	0.0	0.1	0.0	0.1	49%
5	489	1	Subsurface	Total PAH	8.22E-02				0.0	0%
5	489	1	Subsurface	Totals		0.1	0.2	0.0	0.3	
5	489	1	Subsurface	Percent		44%	56%	0%		
5	531	1	Subsurface	Antimony	1.00E+00	0.0	0.0		0.0	2%
5	531	1	Subsurface	Arsenic	4.68E+01	0.5	0.2	0.0	0.7	44%
5	531	1	Subsurface	Cadmium	3.10E+00	0.0	0.0	0.0	0.0	1%
5	531	1	Subsurface	Chromium	5.33E+01	0.0	0.0		0.0	0%
5	531	1	Subsurface	Iron	5.68E+04	0.3	0.1		0.4	26%
5	531	1	Subsurface	Manganese	8.65E+02	0.0	0.0	0.0	0.0	3%
5	531	1	Subsurface	Nickel	1.62E+02	0.0	0.3	0.0	0.3	19%
5	531	1	Subsurface	Total PAH	5.34E-02				0.0	0%
5	531	1	Subsurface	Uranium	2.41E+01	0.0	0.0	0.0	0.0	3%
5	531	1	Subsurface	Zinc	2.45E+03	0.0	0.0		0.0	3%
5	531	1	Subsurface	Totals		1.0	0.6	0.0	1.6	
5	531	1	Subsurface	Percent		59%	40%	1%		
6	200	1	Subsurface	Antimony	3.82E-01	0.0	0.0		0.0	1%
6	200	1	Subsurface	Arsenic	9.73E+00	0.1	0.0	0.0	0.1	12%
6	200	1	Subsurface	Chromium	6.19E+01	0.0	0.0		0.0	0%
6	200	1	Subsurface	Manganese	4.60E+02	0.0	0.0	0.0	0.0	2%
6	200	1	Subsurface	Mercury	6.93E+00	0.1	0.6		0.6	54%
6	200	1	Subsurface	Nickel	1.26E+02	0.0	0.2	0.0	0.2	20%
6	200	1	Subsurface	PCB, Total	2.60E+00				0.0	0%
6	200	1	Subsurface	Silver	9.47E+00	0.0	0.1		0.1	6%
6	200	1	Subsurface	Total PAH	1.89E-02				0.0	0%
6	200	1	Subsurface	Uranium	2.65E+01	0.0	0.0	0.0	0.0	4%
6	200	1	Subsurface	Totals		0.3	0.9	0.0	1.2	
6	200	1	Subsurface	Percent		23%	77%	1%		
6	212	1	Subsurface	Antimony	1.40E+00	0.0	0.0		0.1	0%
6	212	1	Subsurface	Arsenic	1.44E+01	0.2	0.0	0.0	0.2	1%
6	212	1	Subsurface	Barium	1.92E+02	0.0	0.0	0.0	0.0	0%
6	212	1	Subsurface	Beryllium	8.90E-01	0.0	0.0	0.0	0.0	0%
6	212	1	Subsurface	Chromium	6.66E+01	0.0	0.0		0.0	0%
6	212	1	Subsurface	Cobalt	1.76E+01	0.2	0.1	0.0	0.3	1%
6	212	1	Subsurface	Iron	4.14E+04	0.2	0.1		0.3	1%
6	212	1	Subsurface	Manganese	1.44E+03	0.0	0.0	0.0	0.1	0%
6	212	1	Subsurface	Mercury	6.94E+00	0.1	0.6		0.6	2%
6	212	1	Subsurface	Nickel	8.69E+01	0.0	0.1	0.0	0.2	1%
6	212	1	Subsurface	PCB, Total	1.80E-01				0.0	0%

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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	212	1	Subsurface	Silver	1.55E+01	0.0	0.1		0.1	0%
6	212	1	Subsurface	Uranium	2.30E+01	0.0	0.0	0.0	0.0	0%
6	212	1	Subsurface	Vanadium	5.33E+01	2.6	25.9	0.0	28.6	94%
6	212	1	Subsurface	Totals		3.4	27.1	0.0	30.5	
6	212	1	Subsurface	Percent		11%	89%	0%		
6	213	1	Subsurface	Antimony	8.50E-01	0.0	0.0		0.0	7%
6	213	1	Subsurface	Arsenic	9.21E+00	0.1	0.0	0.0	0.1	31%
6	213	1	Subsurface	Chromium	5.47E+01	0.0	0.0		0.0	1%
6	213	1	Subsurface	Manganese	9.06E+02	0.0	0.0	0.0	0.0	10%
6	213	1	Subsurface	Nickel	6.67E+01	0.0	0.1	0.0	0.1	28%
6	213	1	Subsurface	PCB, Total	7.30E-02				0.0	0%
6	213	1	Subsurface	Silver	1.32E+01	0.0	0.1		0.1	22%
6	213	1	Subsurface	Total PAH	1.72E-01				0.0	0%
6	213	1	Subsurface	Totals		0.2	0.3	0.0	0.4	
6	213	1	Subsurface	Percent		35%	61%	4%		
6	213	2	Subsurface	Chromium	6.77E+01	0.0	0.0		0.0	2%
6	213	2	Subsurface	Manganese	2.10E+03	0.1	0.0	0.0	0.1	29%
6	213	2	Subsurface	Nickel	9.10E+01	0.0	0.2	0.0	0.2	46%
6	213	2	Subsurface	Silver	1.13E+01	0.0	0.1		0.1	23%
6	213	2	Subsurface	Totals		0.1	0.3	0.0	0.4	
6	213	2	Subsurface	Percent		21%	70%	10%		
6	214	1	Subsurface	Antimony	5.70E-01	0.0	0.0		0.0	11%
6	214	1	Subsurface	Arsenic	1.15E+01	0.1	0.0	0.0	0.2	89%
6	214	1	Subsurface	Totals		0.1	0.1	0.0	0.2	
6	214	1	Subsurface	Percent		71%	28%	0%		
6	215	1	Subsurface	Antimony	6.80E-01	0.0	0.0		0.0	4%
6	215	1	Subsurface	Arsenic	1.02E+01	0.1	0.0	0.0	0.2	23%
6	215	1	Subsurface	Chromium	5.73E+01	0.0	0.0		0.0	1%
6	215	1	Subsurface	Iron	3.87E+04	0.2	0.1		0.3	42%
6	215	1	Subsurface	Nickel	7.32E+01	0.0	0.1	0.0	0.1	20%
6	215	1	Subsurface	Silver	9.51E+00	0.0	0.1		0.1	11%
6	215	1	Subsurface	Total PAH	5.00E-01				0.0	0%
6	215	1	Subsurface	Totals		0.3	0.3	0.0	0.7	
6	215	1	Subsurface	Percent		49%	50%	0%		
6	216	1	Subsurface	Arsenic	8.60E+00	0.1	0.0	0.0	0.1	100%
6	216	1	Subsurface	Total PAH	1.49E-01				0.0	0%
6	216	1	Subsurface	Totals		0.1	0.0	0.0	0.1	
6	216	1	Subsurface	Percent		77%	23%	0%		
6	217	1	Subsurface	Arsenic	9.42E+00	0.1	0.0	0.0	0.1	1%
6	217	1	Subsurface	Chromium	6.53E+01	0.0	0.0		0.0	0%
6	217	1	Subsurface	Cobalt	1.64E+01	0.2	0.1	0.0	0.3	2%
6	217	1	Subsurface	Manganese	9.97E+02	0.0	0.0	0.0	0.1	0%
6	217	1	Subsurface	Mercury	7.37E+00	0.1	0.6		0.7	4%
6	217	1	Subsurface	Nickel	8.71E+01	0.0	0.1	0.0	0.2	1%
6	217	1	Subsurface	Silver	1.35E+01	0.0	0.1		0.1	1%
6	217	1	Subsurface	Vanadium	3.00E+01	1.5	14.6	0.0	16.1	92%
6	217	1	Subsurface	Totals		1.9	15.6	0.0	17.5	
6	217	1	Subsurface	Percent		11%	89%	0%		
6	217	2	Subsurface	1,1-Dichloroethene	1.88E-02	0.0	0.0	0.0	0.0	0%
6	217	2	Subsurface	Aluminum	1.02E+04	0.0	0.0	0.0	0.1	0%
6	217	2	Subsurface	Antimony	3.10E+00	0.0	0.1		0.1	1%
6	217	2	Subsurface	Arsenic	9.97E+00	0.1	0.0	0.0	0.2	1%
6	217	2	Subsurface	Beryllium	5.85E-01	0.0	0.0	0.0	0.0	0%
6	217	2	Subsurface	Chromium	6.61E+01	0.0	0.0		0.0	0%
6	217	2	Subsurface	Cobalt	8.29E+01	1.0	0.5	0.0	1.4	8%

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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	217	2	Subsurface	Iron	3.04E+04	0.2	0.1		0.2	1%
6	217	2	Subsurface	Manganese	9.50E+02	0.0	0.0	0.0	0.0	0%
6	217	2	Subsurface	Mercury	9.20E+00	0.1	0.7		0.9	5%
6	217	2	Subsurface	Nickel	7.88E+01	0.0	0.1	0.0	0.1	1%
6	217	2	Subsurface	Silver	1.61E+01	0.0	0.1		0.1	1%
6	217	2	Subsurface	Total PAH	4.06E-01				0.0	0%
6	217	2	Subsurface	Vanadium	2.87E+01	1.4	14.0	0.0	15.4	83%
6	217	2	Subsurface	Totals		2.9	15.7	0.0	18.6	
6	217	2	Subsurface	Percent		15%	84%	0%		
6	221	1	Subsurface	Aluminum	2.36E+04	0.1	0.0	0.0	0.1	0%
6	221	1	Subsurface	Antimony	5.78E-01	0.0	0.0		0.0	0%
6	221	1	Subsurface	Arsenic	1.24E+01	0.1	0.0	0.0	0.2	1%
6	221	1	Subsurface	Barium	8.64E+02	0.0	0.1	0.0	0.1	0%
6	221	1	Subsurface	Beryllium	1.55E+00	0.0	0.0	0.0	0.0	0%
6	221	1	Subsurface	Chromium	6.57E+01	0.0	0.0		0.0	0%
6	221	1	Subsurface	Cobalt	7.22E+01	0.8	0.4	0.0	1.3	4%
6	221	1	Subsurface	Iron	3.86E+04	0.2	0.1		0.3	1%
6	221	1	Subsurface	Manganese	4.39E+03	0.1	0.0	0.1	0.2	1%
6	221	1	Subsurface	Mercury	1.23E+01	0.1	1.0		1.1	4%
6	221	1	Subsurface	Nickel	9.46E+01	0.0	0.2	0.0	0.2	1%
6	221	1	Subsurface	PCB, Total	5.00E-01				0.0	0%
6	221	1	Subsurface	Silver	9.74E+00	0.0	0.1		0.1	0%
6	221	1	Subsurface	Thallium	1.24E+00	0.1	0.0		0.1	0%
6	221	1	Subsurface	Total PAH	1.02E+00				0.0	0%
6	221	1	Subsurface	Uranium	1.46E+01	0.0	0.0	0.0	0.0	0%
6	221	1	Subsurface	Vanadium	5.36E+01	2.7	26.0	0.0	28.7	88%
6	221	1	Subsurface	Totals		4.3	28.1	0.1	32.5	
6	221	1	Subsurface	Percent		13%	87%	0%		
6	222	1	Subsurface	Aluminum	1.11E+04	0.0	0.0	0.0	0.1	13%
6	222	1	Subsurface	Arsenic	1.02E+01	0.1	0.0	0.0	0.2	32%
6	222	1	Subsurface	Chromium	6.48E+01	0.0	0.0		0.0	1%
6	222	1	Subsurface	Manganese	6.33E+02	0.0	0.0	0.0	0.0	7%
6	222	1	Subsurface	Nickel	9.19E+01	0.0	0.2	0.0	0.2	37%
6	222	1	Subsurface	PCB, Total	9.67E-01				0.0	0%
6	222	1	Subsurface	Total PAH	1.77E-01				0.0	0%
6	222	1	Subsurface	Uranium	2.77E+01	0.0	0.0	0.0	0.0	10%
6	222	1	Subsurface	Totals		0.2	0.2	0.0	0.5	
6	222	1	Subsurface	Percent		47%	50%	3%		
6	227	1	Subsurface	Arsenic	8.46E+00	0.1	0.0	0.0	0.1	18%
6	227	1	Subsurface	Beryllium	5.50E-01	0.0	0.0	0.0	0.0	1%
6	227	1	Subsurface	Chromium	5.34E+01	0.0	0.0		0.0	1%
6	227	1	Subsurface	Nickel	1.99E+02	0.0	0.3	0.0	0.4	52%
6	227	1	Subsurface	PCB, Total	3.94E+00				0.0	0%
6	227	1	Subsurface	Thallium	5.10E-01	0.0	0.0		0.0	5%
6	227	1	Subsurface	Total PAH	3.38E-01				0.0	0%
6	227	1	Subsurface	Uranium	1.02E+02	0.1	0.1	0.0	0.2	24%
6	227	1	Subsurface	Totals		0.3	0.4	0.0	0.7	
6	227	1	Subsurface	Percent		38%	62%	0%		
6	227	2	Subsurface	Arsenic	8.34E+00	0.1	0.0	0.0	0.1	1%
6	227	2	Subsurface	Barium	1.35E+02	0.0	0.0	0.0	0.0	0%
6	227	2	Subsurface	Beryllium	5.63E-01	0.0	0.0	0.0	0.0	0%
6	227	2	Subsurface	Chromium	4.55E+01	0.0	0.0		0.0	0%
6	227	2	Subsurface	Cobalt	1.06E+01	0.1	0.1	0.0	0.2	1%
6	227	2	Subsurface	Manganese	7.38E+02	0.0	0.0	0.0	0.0	0%
6	227	2	Subsurface	Mercury	8.32E+00	0.1	0.7		0.8	5%

SWMU = solid waste management unit
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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	227	2	Subsurface	Nickel	1.23E+02	0.0	0.2	0.0	0.2	2%
6	227	2	Subsurface	PCB, Total	4.75E+00				0.0	0%
6	227	2	Subsurface	Silver	8.52E+00	0.0	0.1		0.1	0%
6	227	2	Subsurface	Total PAH	1.16E-01				0.0	0%
6	227	2	Subsurface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	0%
6	227	2	Subsurface	Vanadium	2.46E+01	1.2	11.9	0.0	13.2	90%
6	227	2	Subsurface	Totals		1.6	13.0	0.0	14.6	
6	227	2	Subsurface	Percent		11%	89%	0%		
6	228	1	Subsurface	Antimony	6.30E-01	0.0	0.0		0.0	1%
6	228	1	Subsurface	Arsenic	2.79E+01	0.3	0.1	0.0	0.4	21%
6	228	1	Subsurface	Beryllium	7.50E-01	0.0	0.0	0.0	0.0	1%
6	228	1	Subsurface	Cadmium	3.90E+00	0.0	0.0	0.0	0.0	1%
6	228	1	Subsurface	Chromium	1.89E+02	0.0	0.0		0.0	1%
6	228	1	Subsurface	Iron	3.77E+04	0.2	0.1		0.3	14%
6	228	1	Subsurface	Manganese	9.97E+02	0.0	0.0	0.0	0.1	3%
6	228	1	Subsurface	Mercury	9.37E+00	0.1	0.8		0.9	44%
6	228	1	Subsurface	Nickel	7.92E+01	0.0	0.1	0.0	0.1	8%
6	228	1	Subsurface	Silver	1.16E+01	0.0	0.1		0.1	4%
6	228	1	Subsurface	Total PAH	6.69E-02				0.0	0%
6	228	1	Subsurface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	1%
6	228	1	Subsurface	Totals		0.7	1.2	0.0	2.0	
6	228	1	Subsurface	Percent		36%	63%	1%		
7	27	1	Subsurface	Nickel	3.97E+01	0.0	0.1	0.0	0.1	100%
7	27	1	Subsurface	PCB, Total	7.20E-02				0.0	0%
7	27	1	Subsurface	Totals		0.0	0.1	0.0	0.1	
7	27	1	Subsurface	Percent		9%	90%	0%		
7	76	1	Subsurface	Arsenic	1.31E+01	0.2	0.0	0.0	0.2	21%
7	76	1	Subsurface	Barium	2.69E+02	0.0	0.0	0.0	0.0	4%
7	76	1	Subsurface	Mercury	7.45E+00	0.1	0.6		0.7	75%
7	76	1	Subsurface	PCB, Total	2.60E-01				0.0	0%
7	76	1	Subsurface	Total PAH	1.76E+00				0.0	0%
7	76	1	Subsurface	Totals		0.2	0.7	0.0	0.9	
7	76	1	Subsurface	Percent		26%	74%	0%		
7	165	1	Subsurface	Aluminum	8.41E+03	0.0	0.0	0.0	0.0	2%
7	165	1	Subsurface	Antimony	2.20E+00	0.0	0.1		0.1	4%
7	165	1	Subsurface	Arsenic	6.37E+01	0.7	0.2	0.0	1.0	52%
7	165	1	Subsurface	Barium	5.25E+02	0.0	0.1	0.0	0.1	4%
7	165	1	Subsurface	Beryllium	8.14E-01	0.0	0.0	0.0	0.0	1%
7	165	1	Subsurface	Chromium	3.61E+01	0.0	0.0		0.0	0%
7	165	1	Subsurface	Cobalt	8.44E+00	0.1	0.0	0.0	0.1	8%
7	165	1	Subsurface	Mercury	3.77E-01	0.0	0.0		0.0	2%
7	165	1	Subsurface	Naphthalene	1.51E+00	0.0	0.0	0.0	0.0	1%
7	165	1	Subsurface	Nickel	3.36E+01	0.0	0.1	0.0	0.1	3%
7	165	1	Subsurface	PCB, Total	9.89E+00				0.0	0%
7	165	1	Subsurface	Pentachlorophenol	1.98E+00	0.0	0.0		0.0	0%
7	165	1	Subsurface	Silver	3.09E+01	0.0	0.2		0.2	12%
7	165	1	Subsurface	Total PAH	1.87E+00				0.0	0%
7	165	1	Subsurface	Uranium	1.08E+02	0.1	0.1	0.0	0.2	10%
7	165	1	Subsurface	Totals		1.1	0.8	0.0	1.9	
7	165	1	Subsurface	Percent		57%	42%	1%		
8	158	1	Subsurface	Antimony	4.90E-01	0.0	0.0		0.0	1%
8	158	1	Subsurface	Arsenic	9.51E+00	0.1	0.0	0.0	0.1	8%
8	158	1	Subsurface	Barium	1.64E+02	0.0	0.0	0.0	0.0	1%
8	158	1	Subsurface	Beryllium	5.69E-01	0.0	0.0	0.0	0.0	1%
8	158	1	Subsurface	Chromium	5.11E+01	0.0	0.0		0.0	0%

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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
8	158	1	Subsurface	Cobalt	1.26E+01	0.1	0.1	0.0	0.2	13%
8	158	1	Subsurface	Manganese	1.04E+03	0.0	0.0	0.0	0.1	3%
8	158	1	Subsurface	Mercury	1.05E+01	0.1	0.8		1.0	56%
8	158	1	Subsurface	Nickel	8.12E+01	0.0	0.1	0.0	0.2	9%
8	158	1	Subsurface	Silver	1.01E+01	0.0	0.1		0.1	4%
8	158	1	Subsurface	Thallium	3.69E-01	0.0	0.0		0.0	1%
8	158	1	Subsurface	Total PAH	4.78E-01				0.0	0%
8	158	1	Subsurface	Uranium	2.03E+01	0.0	0.0	0.0	0.0	2%
8	158	1	Subsurface	Totals		0.5	1.2	0.0	1.7	
8	158	1	Subsurface	Percent		27%	72%	1%		
8	169	1	Subsurface	Aluminum	2.06E+04	0.1	0.0	0.0	0.1	0%
8	169	1	Subsurface	Antimony	1.30E+00	0.0	0.0		0.0	0%
8	169	1	Subsurface	Arsenic	2.03E+01	0.2	0.1	0.0	0.3	1%
8	169	1	Subsurface	Barium	2.81E+02	0.0	0.0	0.0	0.0	0%
8	169	1	Subsurface	Beryllium	2.30E+00	0.0	0.0	0.0	0.0	0%
8	169	1	Subsurface	Chromium	2.15E+02	0.0	0.0		0.0	0%
8	169	1	Subsurface	Cobalt	7.80E+01	0.9	0.4	0.0	1.4	5%
8	169	1	Subsurface	Copper	4.28E+02	0.0	0.0		0.1	0%
8	169	1	Subsurface	Iron	4.16E+04	0.2	0.1		0.3	1%
8	169	1	Subsurface	Manganese	1.58E+03	0.0	0.0	0.0	0.1	0%
8	169	1	Subsurface	Mercury	7.87E+00	0.1	0.6		0.7	3%
8	169	1	Subsurface	Nickel	8.04E+02	0.1	1.4	0.0	1.5	5%
8	169	1	Subsurface	PCB, Total	1.00E+01				0.0	0%
8	169	1	Subsurface	Thallium	4.60E-01	0.0	0.0		0.0	0%
8	169	1	Subsurface	Total PAH	4.59E+00				0.0	0%
8	169	1	Subsurface	Uranium	5.03E+01	0.1	0.0	0.0	0.1	0%
8	169	1	Subsurface	Vanadium	4.49E+01	2.2	21.8	0.0	24.1	84%
8	169	1	Subsurface	Totals		4.1	24.7	0.0	28.8	
8	169	1	Subsurface	Percent		14%	86%	0%		
9	19	1	Subsurface	Arsenic	1.01E+01	0.1	0.0	0.0	0.2	1%
9	19	1	Subsurface	Beryllium	1.40E+00	0.0	0.0	0.0	0.0	0%
9	19	1	Subsurface	Cadmium	5.70E+00	0.0	0.0	0.0	0.0	0%
9	19	1	Subsurface	Cobalt	1.35E+01	0.2	0.1	0.0	0.2	1%
9	19	1	Subsurface	Copper	1.80E+03	0.2	0.1		0.2	1%
9	19	1	Subsurface	Nickel	4.38E+02	0.1	0.7	0.0	0.8	4%
9	19	1	Subsurface	Thallium	9.80E-01	0.0	0.0		0.1	0%
9	19	1	Subsurface	Total PAH	5.23E+00				0.0	0%
9	19	1	Subsurface	Uranium	1.64E+02	0.2	0.1	0.0	0.3	1%
9	19	1	Subsurface	Vanadium	3.83E+01	1.9	18.6	0.0	20.5	92%
9	19	1	Subsurface	Totals		2.7	19.7	0.0	22.4	
9	19	1	Subsurface	Percent		12%	88%	0%		
9	138	1	Subsurface	Aluminum	1.08E+04	0.0	0.0	0.0	0.1	0%
9	138	1	Subsurface	Antimony	4.55E+00	0.0	0.1		0.2	1%
9	138	1	Subsurface	Arsenic	1.08E+01	0.1	0.0	0.0	0.2	1%
9	138	1	Subsurface	Barium	1.99E+02	0.0	0.0	0.0	0.0	0%
9	138	1	Subsurface	Beryllium	6.28E-01	0.0	0.0	0.0	0.0	0%
9	138	1	Subsurface	Cadmium	4.87E+00	0.0	0.0	0.0	0.0	0%
9	138	1	Subsurface	Chromium	5.65E+01	0.0	0.0		0.0	0%
9	138	1	Subsurface	Cobalt	9.18E+00	0.1	0.1	0.0	0.2	1%
9	138	1	Subsurface	Iron	1.99E+04	0.1	0.0		0.1	1%
9	138	1	Subsurface	Manganese	6.55E+02	0.0	0.0	0.0	0.0	0%
9	138	1	Subsurface	Mercury	1.46E+01	0.2	1.2		1.3	7%
9	138	1	Subsurface	Nickel	7.71E+01	0.0	0.1	0.0	0.1	1%
9	138	1	Subsurface	PCB, Total	5.00E-01				0.0	0%
9	138	1	Subsurface	Silver	1.01E+01	0.0	0.1		0.1	0%

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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	138	1	Subsurface	Thallium	6.20E-01	0.0	0.0		0.0	0%
9	138	1	Subsurface	Total PAH	9.74E-02				0.0	0%
9	138	1	Subsurface	Vanadium	2.99E+01	1.5	14.5	0.0	16.0	87%
9	138	1	Subsurface	Totals		2.1	16.3	0.0	18.4	
9	138	1	Subsurface	Percent		12%	88%	0%		
9	138	2	Subsurface	Arsenic	1.03E+01	0.1	0.0	0.0	0.2	12%
9	138	2	Subsurface	Cadmium	5.00E-01	0.0	0.0	0.0	0.0	0%
9	138	2	Subsurface	Chromium	6.28E+01	0.0	0.0		0.0	0%
9	138	2	Subsurface	Mercury	8.30E+00	0.1	0.7		0.8	62%
9	138	2	Subsurface	Nickel	9.60E+01	0.0	0.2	0.0	0.2	15%
9	138	2	Subsurface	PCB, Total	9.20E-02				0.0	0%
9	138	2	Subsurface	Silver	1.53E+01	0.0	0.1		0.1	9%
9	138	2	Subsurface	Thallium	2.90E-01	0.0	0.0		0.0	2%
9	138	2	Subsurface	Total PAH	3.84E-02				0.0	0%
9	138	2	Subsurface	Totals		0.3	1.0	0.0	1.2	
9	138	2	Subsurface	Percent		21%	79%	0%		
9	180	1	Subsurface	Antimony	5.97E-01	0.0	0.0		0.0	1%
9	180	1	Subsurface	Arsenic	7.57E+01	0.9	0.3	0.0	1.1	45%
9	180	1	Subsurface	Beryllium	6.25E-01	0.0	0.0	0.0	0.0	0%
9	180	1	Subsurface	Chromium	6.34E+01	0.0	0.0		0.0	0%
9	180	1	Subsurface	Cobalt	1.37E+01	0.2	0.1	0.0	0.2	9%
9	180	1	Subsurface	Manganese	8.24E+02	0.0	0.0	0.0	0.0	2%
9	180	1	Subsurface	Mercury	8.28E+00	0.1	0.7		0.8	30%
9	180	1	Subsurface	Nickel	9.03E+01	0.0	0.2	0.0	0.2	7%
9	180	1	Subsurface	Silver	1.17E+01	0.0	0.1		0.1	3%
9	180	1	Subsurface	Thallium	4.73E-01	0.0	0.0		0.0	1%
9	180	1	Subsurface	Totals		1.2	1.3	0.0	2.5	
9	180	1	Subsurface	Percent		48%	51%	1%		
9	180	2	Subsurface	Antimony	4.58E-01	0.0	0.0		0.0	1%
9	180	2	Subsurface	Arsenic	1.17E+01	0.1	0.0	0.0	0.2	15%
9	180	2	Subsurface	Chromium	6.02E+01	0.0	0.0		0.0	0%
9	180	2	Subsurface	Manganese	6.72E+02	0.0	0.0	0.0	0.0	3%
9	180	2	Subsurface	Mercury	8.25E+00	0.1	0.7		0.8	66%
9	180	2	Subsurface	Nickel	8.64E+01	0.0	0.1	0.0	0.2	14%
9	180	2	Subsurface	Total PAH	9.19E-02				0.0	0%
9	180	2	Subsurface	Totals		0.3	0.9	0.0	1.2	
9	180	2	Subsurface	Percent		23%	76%	1%		
9	180	3	Subsurface	Arsenic	1.36E+01	0.2	0.0	0.0	0.2	1%
9	180	3	Subsurface	Beryllium	5.03E-01	0.0	0.0	0.0	0.0	0%
9	180	3	Subsurface	Chromium	5.44E+01	0.0	0.0		0.0	0%
9	180	3	Subsurface	Manganese	5.12E+02	0.0	0.0	0.0	0.0	0%
9	180	3	Subsurface	Nickel	7.17E+01	0.0	0.1	0.0	0.1	1%
9	180	3	Subsurface	Silver	1.14E+01	0.0	0.1		0.1	1%
9	180	3	Subsurface	Vanadium	2.87E+01	1.4	13.9	0.0	15.4	97%
9	180	3	Subsurface	Totals		1.6	14.2	0.0	15.8	
9	180	3	Subsurface	Percent		10%	90%	0%		
9	180	4	Subsurface	Arsenic	1.11E+01	0.1	0.0	0.0	0.2	12%
9	180	4	Subsurface	Barium	1.63E+02	0.0	0.0	0.0	0.0	2%
9	180	4	Subsurface	Beryllium	1.14E+00	0.0	0.0	0.0	0.0	1%
9	180	4	Subsurface	Chromium	6.00E+01	0.0	0.0		0.0	0%
9	180	4	Subsurface	Cobalt	9.68E+00	0.1	0.1	0.0	0.2	12%
9	180	4	Subsurface	Iron	1.61E+04	0.1	0.0		0.1	8%
9	180	4	Subsurface	Manganese	8.05E+02	0.0	0.0	0.0	0.0	3%
9	180	4	Subsurface	Mercury	6.89E+00	0.1	0.6		0.6	45%
9	180	4	Subsurface	Nickel	6.99E+01	0.0	0.1	0.0	0.1	9%

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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	180	4	Subsurface	Silver	1.16E+01	0.0	0.1		0.1	6%
9	180	4	Subsurface	Total PAH	1.58E-02				0.0	0%
9	180	4	Subsurface	Vanadium	3.50E+01	0.0	0.0		0.0	2%
9	180	4	Subsurface	Totals		0.5	0.9	0.0	1.4	
9	180	4	Subsurface	Percent		33%	66%	1%		
9	181	1	Subsurface	Chromium	3.44E+01	0.0	0.0		0.0	1%
9	181	1	Subsurface	PCB, Total	1.03E-01				0.0	0%
9	181	1	Subsurface	Thallium	3.50E+00	0.2	0.1		0.2	99%
9	181	1	Subsurface	Total PAH	3.43E-02				0.0	0%
9	181	1	Subsurface	Totals		0.2	0.1		0.2	
9	181	1	Subsurface	Percent		66%	34%			
9	195	1	Subsurface	Arsenic	1.17E+01	0.1	0.0	0.0	0.2	42%
9	195	1	Subsurface	Chromium	5.85E+01	0.0	0.0		0.0	1%
9	195	1	Subsurface	Nickel	8.00E+01	0.0	0.1	0.0	0.2	36%
9	195	1	Subsurface	Silver	9.37E+00	0.0	0.1		0.1	17%
9	195	1	Subsurface	Thallium	2.99E-01	0.0	0.0		0.0	5%
9	195	1	Subsurface	Total PAH	1.53E-02				0.0	0%
9	195	1	Subsurface	Totals		0.2	0.3	0.0	0.4	
9	195	1	Subsurface	Percent		40%	60%	0%		
9	195	2	Subsurface	Chromium	5.63E+01	0.0	0.0		0.0	7%
9	195	2	Subsurface	Silver	9.48E+00	0.0	0.1		0.1	93%
9	195	2	Subsurface	Total PAH	1.93E-02				0.0	0%
9	195	2	Subsurface	Totals		0.0	0.1		0.1	
9	195	2	Subsurface	Percent		9%	91%			
9	195	3	Subsurface	Arsenic	1.09E+01	0.1	0.0	0.0	0.2	44%
9	195	3	Subsurface	Chromium	5.29E+01	0.0	0.0		0.0	1%
9	195	3	Subsurface	Manganese	4.88E+02	0.0	0.0	0.0	0.0	7%
9	195	3	Subsurface	Nickel	9.63E+01	0.0	0.2	0.0	0.2	49%
9	195	3	Subsurface	Total PAH	3.31E-02				0.0	0%
9	195	3	Subsurface	Totals		0.2	0.2	0.0	0.4	
9	195	3	Subsurface	Percent		41%	56%	3%		
9	195	4	Subsurface	Arsenic	1.01E+01	0.1	0.0	0.0	0.2	38%
9	195	4	Subsurface	Chromium	5.08E+01	0.0	0.0		0.0	1%
9	195	4	Subsurface	Nickel	8.37E+01	0.0	0.1	0.0	0.2	39%
9	195	4	Subsurface	Silver	8.80E+00	0.0	0.1		0.1	16%
9	195	4	Subsurface	Thallium	3.39E-01	0.0	0.0		0.0	5%
9	195	4	Subsurface	Totals		0.2	0.2	0.0	0.4	
9	195	4	Subsurface	Percent		38%	62%	0%		
9	195	5	Subsurface	Arsenic	8.80E+00	0.1	0.0	0.0	0.1	34%
9	195	5	Subsurface	Chromium	5.74E+01	0.0	0.0		0.0	1%
9	195	5	Subsurface	Nickel	8.11E+01	0.0	0.1	0.0	0.2	39%
9	195	5	Subsurface	Silver	8.41E+00	0.0	0.1		0.1	16%
9	195	5	Subsurface	Thallium	5.50E-01	0.0	0.0		0.0	9%
9	195	5	Subsurface	Total PAH	2.40E-02				0.0	0%
9	195	5	Subsurface	Totals		0.1	0.2	0.0	0.4	
9	195	5	Subsurface	Percent		38%	62%	0%		
9	195	6	Subsurface	Arsenic	1.05E+01	0.1	0.0	0.0	0.2	37%
9	195	6	Subsurface	Chromium	5.52E+01	0.0	0.0		0.0	1%
9	195	6	Subsurface	Nickel	9.81E+01	0.0	0.2	0.0	0.2	44%
9	195	6	Subsurface	Silver	1.00E+01	0.0	0.1		0.1	18%
9	195	6	Subsurface	Total PAH	1.91E-01				0.0	0%
9	195	6	Subsurface	Totals		0.1	0.3	0.0	0.4	
9	195	6	Subsurface	Percent		34%	65%	0%		
9	195	7	Subsurface	Arsenic	8.49E+00	0.1	0.0	0.0	0.1	33%
9	195	7	Subsurface	Chromium	4.74E+01	0.0	0.0		0.0	1%

SWMU = solid waste management unit
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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	195	7	Subsurface	Cobalt	1.13E+01	0.1	0.1	0.0	0.2	51%
9	195	7	Subsurface	Silver	8.06E+00	0.0	0.1		0.1	16%
9	195	7	Subsurface	Totals		0.2	0.2	0.0	0.4	
9	195	7	Subsurface	Percent		60%	39%	1%		
9	195	8	Subsurface	Arsenic	1.12E+01	0.1	0.0	0.0	0.2	23%
9	195	8	Subsurface	Beryllium	6.78E-01	0.0	0.0	0.0	0.0	2%
9	195	8	Subsurface	Chromium	5.23E+01	0.0	0.0		0.0	1%
9	195	8	Subsurface	Cobalt	1.41E+01	0.2	0.1	0.0	0.2	34%
9	195	8	Subsurface	Manganese	6.90E+02	0.0	0.0	0.0	0.0	5%
9	195	8	Subsurface	Nickel	8.93E+01	0.0	0.2	0.0	0.2	23%
9	195	8	Subsurface	Silver	8.51E+00	0.0	0.1		0.1	9%
9	195	8	Subsurface	Total PAH	1.42E-01				0.0	0%
9	195	8	Subsurface	Vanadium	3.70E+01	0.0	0.0		0.0	4%
9	195	8	Subsurface	Totals		0.4	0.4	0.0	0.7	
9	195	8	Subsurface	Percent		49%	49%	2%		
9	195	9	Subsurface	Arsenic	1.03E+01	0.1	0.0	0.0	0.2	39%
9	195	9	Subsurface	Chromium	6.08E+01	0.0	0.0		0.0	1%
9	195	9	Subsurface	Nickel	9.12E+01	0.0	0.2	0.0	0.2	43%
9	195	9	Subsurface	Silver	9.33E+00	0.0	0.1		0.1	17%
9	195	9	Subsurface	Totals		0.1	0.3	0.0	0.4	
9	195	9	Subsurface	Percent		35%	64%	0%		
9	195	10	Subsurface	Arsenic	9.83E+00	0.1	0.0	0.0	0.1	35%
9	195	10	Subsurface	Chromium	4.29E+01	0.0	0.0		0.0	1%
9	195	10	Subsurface	Manganese	3.79E+02	0.0	0.0	0.0	0.0	5%
9	195	10	Subsurface	Nickel	7.98E+01	0.0	0.1	0.0	0.2	36%
9	195	10	Subsurface	Silver	1.31E+01	0.0	0.1		0.1	23%
9	195	10	Subsurface	Totals		0.1	0.3	0.0	0.4	
9	195	10	Subsurface	Percent		35%	63%	2%		
9	195	11	Subsurface	Aluminum	1.93E+04	0.1	0.0	0.0	0.1	9%
9	195	11	Subsurface	Arsenic	1.30E+01	0.2	0.0	0.0	0.2	17%
9	195	11	Subsurface	Barium	3.18E+02	0.0	0.0	0.0	0.0	4%
9	195	11	Subsurface	Chromium	5.67E+01	0.0	0.0		0.0	0%
9	195	11	Subsurface	Cobalt	1.87E+01	0.2	0.1	0.0	0.3	28%
9	195	11	Subsurface	Iron	2.10E+04	0.1	0.1		0.2	14%
9	195	11	Subsurface	Manganese	5.25E+02	0.0	0.0	0.0	0.0	2%
9	195	11	Subsurface	Nickel	8.37E+01	0.0	0.1	0.0	0.2	14%
9	195	11	Subsurface	Silver	8.26E+00	0.0	0.1		0.1	5%
9	195	11	Subsurface	Thallium	4.46E-01	0.0	0.0		0.0	3%
9	195	11	Subsurface	Total PAH	2.83E-02				0.0	0%
9	195	11	Subsurface	Vanadium	5.55E+01	0.0	0.0		0.0	4%
9	195	11	Subsurface	Totals		0.6	0.5	0.0	1.2	
9	195	11	Subsurface	Percent		55%	43%	1%		
9	195	12	Subsurface	Arsenic	1.08E+01	0.1	0.0	0.0	0.2	1%
9	195	12	Subsurface	Beryllium	6.22E-01	0.0	0.0	0.0	0.0	0%
9	195	12	Subsurface	Chromium	6.45E+01	0.0	0.0		0.0	0%
9	195	12	Subsurface	Manganese	4.77E+02	0.0	0.0	0.0	0.0	0%
9	195	12	Subsurface	Nickel	9.19E+01	0.0	0.2	0.0	0.2	1%
9	195	12	Subsurface	Vanadium	3.68E+01	1.8	17.9	0.0	19.7	98%
9	195	12	Subsurface	Totals		2.0	18.1	0.0	20.1	
9	195	12	Subsurface	Percent		10%	90%	0%		
9	195	13	Subsurface	Arsenic	9.12E+00	0.1	0.0	0.0	0.1	38%
9	195	13	Subsurface	Chromium	5.23E+01	0.0	0.0		0.0	1%
9	195	13	Subsurface	Nickel	8.34E+01	0.0	0.1	0.0	0.2	43%
9	195	13	Subsurface	Silver	8.71E+00	0.0	0.1		0.1	18%
9	195	13	Subsurface	Totals		0.1	0.2	0.0	0.4	

SWMU = solid waste management unit
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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	195	13	Subsurface	Percent		35%	65%	0%		
9	195	14	Subsurface	Arsenic	1.02E+01	0.1	0.0	0.0	0.2	16%
9	195	14	Subsurface	Chromium	5.94E+01	0.0	0.0		0.0	1%
9	195	14	Subsurface	Mercury	6.49E+00	0.1	0.5		0.6	61%
9	195	14	Subsurface	Nickel	8.22E+01	0.0	0.1	0.0	0.2	16%
9	195	14	Subsurface	Silver	8.87E+00	0.0	0.1		0.1	7%
9	195	14	Subsurface	Totals		0.2	0.8	0.0	1.0	
9	195	14	Subsurface	Percent		22%	78%	0%		
9	195	15	Subsurface	Arsenic	9.15E+00	0.1	0.0	0.0	0.1	97%
9	195	15	Subsurface	Chromium	5.34E+01	0.0	0.0		0.0	3%
9	195	15	Subsurface	Totals		0.1	0.0	0.0	0.1	
9	195	15	Subsurface	Percent		75%	25%	0%		
9	195	16	Subsurface	Chromium	5.22E+01	0.0	0.0		0.0	0%
9	195	16	Subsurface	Manganese	3.87E+02	0.0	0.0	0.0	0.0	2%
9	195	16	Subsurface	Mercury	8.43E+00	0.1	0.7		0.8	81%
9	195	16	Subsurface	Nickel	8.59E+01	0.0	0.1	0.0	0.2	17%
9	195	16	Subsurface	Totals		0.1	0.8	0.0	1.0	
9	195	16	Subsurface	Percent		13%	87%	1%		
9	195	17	Subsurface	Arsenic	9.36E+00	0.1	0.0	0.0	0.1	13%
9	195	17	Subsurface	Chromium	6.77E+01	0.0	0.0		0.0	1%
9	195	17	Subsurface	Manganese	5.02E+02	0.0	0.0	0.0	0.0	2%
9	195	17	Subsurface	Mercury	7.24E+00	0.1	0.6		0.7	61%
9	195	17	Subsurface	Nickel	7.09E+01	0.0	0.1	0.0	0.1	12%
9	195	17	Subsurface	PCB, Total	7.40E-01				0.0	0%
9	195	17	Subsurface	Silver	1.20E+01	0.0	0.1		0.1	8%
9	195	17	Subsurface	Thallium	4.82E-01	0.0	0.0		0.0	3%
9	195	17	Subsurface	Total PAH	2.05E-01				0.0	0%
9	195	17	Subsurface	Totals		0.2	0.8	0.0	1.1	
9	195	17	Subsurface	Percent		22%	77%	1%		
9	492	1	Subsurface	Arsenic	1.47E+01	0.2	0.1	0.0	0.2	6%
9	492	1	Subsurface	Beryllium	1.04E+01	0.0	0.2	0.0	0.2	5%
9	492	1	Subsurface	Cadmium	3.14E+00	0.0	0.0	0.0	0.0	0%
9	492	1	Subsurface	Chromium	1.04E+03	0.0	0.1		0.1	3%
9	492	1	Subsurface	PCB, Total	4.41E+01				0.0	0%
9	492	1	Subsurface	Uranium	1.77E+03	2.1	1.0	0.0	3.1	84%
9	492	1	Subsurface	Vanadium	4.32E+01	0.0	0.0		0.0	1%
9	492	1	Subsurface	Totals		2.3	1.3	0.0	3.6	
9	492	1	Subsurface	Percent		63%	37%	0%		
9	493	1	Subsurface	Aluminum	1.44E+04	0.1	0.0	0.0	0.1	5%
9	493	1	Subsurface	Arsenic	1.18E+01	0.1	0.0	0.0	0.2	11%
9	493	1	Subsurface	Barium	4.04E+02	0.0	0.0	0.0	0.1	3%
9	493	1	Subsurface	Beryllium	9.91E-01	0.0	0.0	0.0	0.0	1%
9	493	1	Subsurface	Chromium	6.61E+01	0.0	0.0		0.0	0%
9	493	1	Subsurface	Cobalt	3.79E+01	0.4	0.2	0.0	0.7	39%
9	493	1	Subsurface	Manganese	3.55E+03	0.1	0.0	0.1	0.2	11%
9	493	1	Subsurface	Mercury	2.60E-01	0.0	0.0		0.0	1%
9	493	1	Subsurface	Nickel	2.13E+02	0.0	0.4	0.0	0.4	24%
9	493	1	Subsurface	PCB, Total	2.60E-01				0.0	0%
9	493	1	Subsurface	Thallium	6.90E-01	0.0	0.0		0.0	3%
9	493	1	Subsurface	Total PAH	5.00E-01				0.0	0%
9	493	1	Subsurface	Vanadium	4.05E+01	0.0	0.0		0.0	2%
9	493	1	Subsurface	Totals		0.8	0.8	0.1	1.7	
9	493	1	Subsurface	Percent		49%	47%	4%		
9	517	1	Subsurface	Aluminum	1.20E+04	0.0	0.0	0.0	0.1	15%
9	517	1	Subsurface	Beryllium	7.39E-01	0.0	0.0	0.0	0.0	3%

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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	517	1	Subsurface	Chromium	4.91E+01	0.0	0.0		0.0	1%
9	517	1	Subsurface	Nickel	1.72E+02	0.0	0.3	0.0	0.3	75%
9	517	1	Subsurface	PCB, Total	5.00E-01				0.0	0%
9	517	1	Subsurface	Thallium	4.20E-01	0.0	0.0		0.0	6%
9	517	1	Subsurface	Totals		0.1	0.3	0.0	0.4	
9	517	1	Subsurface	Percent		21%	78%	1%		
9	541	1	Subsurface	Aluminum	1.49E+04	0.1	0.0	0.0	0.1	1%
9	541	1	Subsurface	Arsenic	9.08E+00	0.1	0.0	0.0	0.1	1%
9	541	1	Subsurface	Barium	1.36E+02	0.0	0.0	0.0	0.0	0%
9	541	1	Subsurface	Beryllium	7.40E-01	0.0	0.0	0.0	0.0	0%
9	541	1	Subsurface	Cadmium	1.60E+00	0.0	0.0	0.0	0.0	0%
9	541	1	Subsurface	Chromium	9.44E+02	0.0	0.1		0.1	1%
9	541	1	Subsurface	Iron	1.88E+04	0.1	0.0		0.1	1%
9	541	1	Subsurface	Manganese	4.97E+02	0.0	0.0	0.0	0.0	0%
9	541	1	Subsurface	Mercury	2.02E-01	0.0	0.0		0.0	0%
9	541	1	Subsurface	Naphthalene	6.53E-01	0.0	0.0	0.0	0.0	0%
9	541	1	Subsurface	Nickel	1.58E+01	0.0	0.0	0.0	0.0	0%
9	541	1	Subsurface	PCB, Total	6.18E+01				0.0	0%
9	541	1	Subsurface	Total PAH	3.15E+00				0.0	0%
9	541	1	Subsurface	Uranium	7.39E+03	8.6	4.2	0.0	12.8	96%
9	541	1	Subsurface	Vanadium	3.54E+01	0.0	0.0		0.0	0%
9	541	1	Subsurface	Totals		8.9	4.5	0.0	13.4	
9	541	1	Subsurface	Percent		66%	33%	0%		
9	561	1	Subsurface	Aluminum	1.76E+04	0.1	0.0	0.0	0.1	7%
9	561	1	Subsurface	Antimony	8.95E-01	0.0	0.0		0.0	2%
9	561	1	Subsurface	Arsenic	1.63E+01	0.2	0.1	0.0	0.2	18%
9	561	1	Subsurface	Barium	1.44E+02	0.0	0.0	0.0	0.0	1%
9	561	1	Subsurface	Beryllium	6.74E-01	0.0	0.0	0.0	0.0	1%
9	561	1	Subsurface	Chromium	9.00E+01	0.0	0.0		0.0	1%
9	561	1	Subsurface	Cobalt	1.10E+01	0.1	0.1	0.0	0.2	14%
9	561	1	Subsurface	Iron	2.07E+04	0.1	0.1		0.2	11%
9	561	1	Subsurface	Manganese	1.81E+03	0.0	0.0	0.0	0.1	7%
9	561	1	Subsurface	Nickel	1.49E+01	0.0	0.0	0.0	0.0	2%
9	561	1	Subsurface	PCB, Total	1.01E+00				0.0	0%
9	561	1	Subsurface	Thallium	3.27E-01	0.0	0.0		0.0	2%
9	561	1	Subsurface	Total PAH	7.79E-01				0.0	0%
9	561	1	Subsurface	Uranium	2.65E+02	0.3	0.2	0.0	0.5	33%
9	561	1	Subsurface	Vanadium	3.94E+01	0.0	0.0		0.0	2%
9	561	1	Subsurface	Totals		0.9	0.5	0.0	1.4	
9	561	1	Subsurface	Percent		64%	34%	3%		
9	561	2	Subsurface	Aluminum	8.86E+03	0.0	0.0	0.0	0.0	1%
9	561	2	Subsurface	Antimony	5.09E+00	0.0	0.1		0.2	6%
9	561	2	Subsurface	Arsenic	1.27E+01	0.1	0.0	0.0	0.2	6%
9	561	2	Subsurface	Beryllium	6.21E-01	0.0	0.0	0.0	0.0	0%
9	561	2	Subsurface	Cadmium	3.95E-01	0.0	0.0	0.0	0.0	0%
9	561	2	Subsurface	Chromium	3.07E+02	0.0	0.0		0.0	1%
9	561	2	Subsurface	Cobalt	1.09E+01	0.1	0.1	0.0	0.2	6%
9	561	2	Subsurface	Manganese	1.07E+03	0.0	0.0	0.0	0.1	2%
9	561	2	Subsurface	PCB, Total	1.67E+01				0.0	0%
9	561	2	Subsurface	Thallium	3.83E-01	0.0	0.0		0.0	1%
9	561	2	Subsurface	Total PAH	2.30E+00				0.0	0%
9	561	2	Subsurface	Uranium	1.41E+03	1.6	0.8	0.0	2.4	76%
9	561	2	Subsurface	Vanadium	3.32E+01	0.0	0.0		0.0	1%
9	561	2	Subsurface	Totals		2.0	1.1	0.0	3.2	
9	561	2	Subsurface	Percent		64%	35%	1%		

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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	562	1	Subsurface	Arsenic	1.18E+01	0.1	0.0	0.0	0.2	30%
9	562	1	Subsurface	Chromium	3.15E+02	0.0	0.0		0.0	5%
9	562	1	Subsurface	PCB, Total	2.01E+00				0.0	0%
9	562	1	Subsurface	Uranium	2.27E+02	0.3	0.1	0.0	0.4	66%
9	562	1	Subsurface	Totals		0.4	0.2	0.0	0.6	
9	562	1	Subsurface	Percent		67%	33%	0%		
9	562	2	Subsurface	PCB, Total	1.58E+00				0.0	
9	562	2	Subsurface	Totals					0.0	
9	562	2	Subsurface	Percent						
9	562	3	Subsurface	PCB, Total	2.40E-01				0.0	0%
9	562	3	Subsurface	Total PAH	2.20E-01				0.0	0%
9	562	3	Subsurface	Uranium	5.89E+01	0.1	0.0	0.0	0.1	100%
9	562	3	Subsurface	Totals		0.1	0.0	0.0	0.1	
9	562	3	Subsurface	Percent		0.7	0.3	0.0		
9	562	4	Subsurface	Chromium	4.67E+01	0.0	0.0		0.0	10%
9	562	4	Subsurface	Uranium	2.10E+01	0.0	0.0	0.0	0.0	90%
9	562	4	Subsurface	Totals		0.0	0.0	0.0	0.0	
9	562	4	Subsurface	Percent		0.6	0.4	0.0		
9	562	5	Subsurface	Chromium	1.53E+02	0.0	0.0		0.0	4%
9	562	5	Subsurface	PCB, Total	9.50E-01				0.0	0%
9	562	5	Subsurface	Total PAH	7.05E-02				0.0	0%
9	562	5	Subsurface	Uranium	2.08E+02	0.2	0.1	0.0	0.4	96%
9	562	5	Subsurface	Totals		0.2	0.1	0.0	0.4	
9	562	5	Subsurface	Percent		0.6	0.4	0.0		
9	563	1	Subsurface	Cadmium	8.96E-01	0.0	0.0	0.0	0.0	7%
9	563	1	Subsurface	Chromium	3.34E+02	0.0	0.0		0.0	50%
9	563	1	Subsurface	PCB, Total	3.54E+00				0.0	0%
9	563	1	Subsurface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	43%
9	563	1	Subsurface	Totals		0.0	0.0	0.0	0.1	
9	563	1	Subsurface	Percent		0.4	0.6	0.0		
9	564	1	Subsurface	Aluminum	1.27E+04	0.0	0.0	0.0	0.1	5%
9	564	1	Subsurface	Arsenic	4.30E+01	0.5	0.1	0.0	0.6	45%
9	564	1	Subsurface	Beryllium	2.12E+00	0.0	0.0	0.0	0.0	3%
9	564	1	Subsurface	Cadmium	1.96E+00	0.0	0.0	0.0	0.0	1%
9	564	1	Subsurface	Chromium	8.32E+01	0.0	0.0		0.0	1%
9	564	1	Subsurface	Iron	3.66E+04	0.2	0.1		0.3	19%
9	564	1	Subsurface	Mercury	2.30E-01	0.0	0.0		0.0	1%
9	564	1	Subsurface	Nickel	2.24E+01	0.0	0.0	0.0	0.0	3%
9	564	1	Subsurface	PCB, Total	1.93E+00				0.0	0%
9	564	1	Subsurface	Thallium	2.36E+00	0.1	0.1		0.2	11%
9	564	1	Subsurface	Uranium	5.83E+01	0.1	0.0	0.0	0.1	7%
9	564	1	Subsurface	Vanadium	8.06E+01	0.1	0.0		0.1	5%
9	564	1	Subsurface	Totals		1.0	0.5	0.0	1.4	
9	564	1	Subsurface	Percent		0.7	0.3	0.0		
9	567	1	Subsurface	Aluminum	1.29E+04	0.0	0.0	0.0	0.1	51%
9	567	1	Subsurface	Manganese	1.32E+03	0.0	0.0	0.0	0.1	49%
9	567	1	Subsurface	Totals		0.1	0.0	0.0	0.1	
9	567	1	Subsurface	Percent		0.6	0.3	0.2		
9	567	3	Subsurface	Chromium	5.21E+01	0.0	0.0		0.0	100%
9	567	3	Subsurface	Totals		0.0	0.0		0.0	
9	567	3	Subsurface	Percent		0.0	1.0			
9	567	4	Subsurface	Aluminum	1.25E+04	0.0	0.0	0.0	0.1	29%
9	567	4	Subsurface	Arsenic	1.09E+01	0.1	0.0	0.0	0.2	71%
9	567	4	Subsurface	Totals		0.2	0.1	0.0	0.2	
9	567	4	Subsurface	Percent		0.7	0.3	0.0		

SWMU = solid waste management unit
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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	1	Subsurface	Antimony	6.30E-01	0.0	0.0		0.0	0%
10	14	1	Subsurface	Arsenic	1.13E+01	0.1	0.0	0.0	0.2	1%
10	14	1	Subsurface	Beryllium	6.84E-01	0.0	0.0	0.0	0.0	0%
10	14	1	Subsurface	Chromium	6.56E+01	0.0	0.0		0.0	0%
10	14	1	Subsurface	Iron	4.24E+04	0.2	0.1		0.3	2%
10	14	1	Subsurface	Manganese	8.41E+02	0.0	0.0	0.0	0.0	0%
10	14	1	Subsurface	Nickel	7.40E+02	0.1	1.3	0.0	1.4	8%
10	14	1	Subsurface	PCB, Total	5.00E-01				0.0	0%
10	14	1	Subsurface	Silver	1.67E+01	0.0	0.1		0.1	1%
10	14	1	Subsurface	Uranium	2.56E+02	0.3	0.1	0.0	0.4	2%
10	14	1	Subsurface	Vanadium	2.99E+01	1.5	14.6	0.0	16.0	86%
10	14	1	Subsurface	Totals		2.3	16.3	0.0	18.6	
10	14	1	Subsurface	Percent		0.1	0.9	0.0		
10	14	2	Subsurface	Aluminum	1.00E+04	0.0	0.0	0.0	0.1	1%
10	14	2	Subsurface	Antimony	3.51E+00	0.0	0.1		0.1	3%
10	14	2	Subsurface	Arsenic	1.47E+01	0.2	0.1	0.0	0.2	6%
10	14	2	Subsurface	Beryllium	6.75E-01	0.0	0.0	0.0	0.0	0%
10	14	2	Subsurface	Cadmium	1.75E+00	0.0	0.0	0.0	0.0	0%
10	14	2	Subsurface	Chromium	7.24E+01	0.0	0.0		0.0	0%
10	14	2	Subsurface	Copper	1.92E+02	0.0	0.0		0.0	1%
10	14	2	Subsurface	Iron	4.38E+04	0.2	0.1		0.3	8%
10	14	2	Subsurface	Manganese	1.51E+03	0.0	0.0	0.0	0.1	2%
10	14	2	Subsurface	Mercury	8.88E+00	0.1	0.7		0.8	21%
10	14	2	Subsurface	Nickel	8.41E+02	0.1	1.4	0.0	1.6	40%
10	14	2	Subsurface	PCB, Total	5.00E+00				0.0	0%
10	14	2	Subsurface	Selenium	2.74E+01	0.0	0.0	0.0	0.0	1%
10	14	2	Subsurface	Silver	9.58E+00	0.0	0.1		0.1	2%
10	14	2	Subsurface	Total PAH	2.31E-01				0.0	0%
10	14	2	Subsurface	Uranium	3.64E+02	0.4	0.2	0.0	0.6	16%
10	14	2	Subsurface	Totals		1.2	2.7	0.0	4.0	
10	14	2	Subsurface	Percent		0.3	0.7	0.0		
10	14	3	Subsurface	Arsenic	1.91E+01	0.2	0.1	0.0	0.3	1%
10	14	3	Subsurface	Beryllium	2.07E+00	0.0	0.0	0.0	0.0	0%
10	14	3	Subsurface	Chromium	7.01E+01	0.0	0.0		0.0	0%
10	14	3	Subsurface	Cobalt	1.63E+01	0.2	0.1	0.0	0.3	1%
10	14	3	Subsurface	Copper	1.30E+02	0.0	0.0		0.0	0%
10	14	3	Subsurface	Iron	4.64E+04	0.2	0.1		0.3	1%
10	14	3	Subsurface	Manganese	1.24E+03	0.0	0.0	0.0	0.1	0%
10	14	3	Subsurface	Mercury	7.48E+00	0.1	0.6		0.7	2%
10	14	3	Subsurface	Molybdenum	2.23E+01	0.0	0.0		0.0	0%
10	14	3	Subsurface	Nickel	6.64E+02	0.1	1.1	0.0	1.3	3%
10	14	3	Subsurface	PCB, Total	8.75E+00				0.0	0%
10	14	3	Subsurface	Silver	1.34E+01	0.0	0.1		0.1	0%
10	14	3	Subsurface	Uranium	2.19E+02	0.3	0.1	0.0	0.4	1%
10	14	3	Subsurface	Vanadium	6.19E+01	3.1	30.1	0.0	33.2	91%
10	14	3	Subsurface	Totals		4.2	32.4	0.0	36.7	
10	14	3	Subsurface	Percent		0.1	0.9	0.0		
10	14	4	Subsurface	Aluminum	1.18E+04	0.0	0.0	0.0	0.1	2%
10	14	4	Subsurface	Antimony	3.29E+00	0.0	0.1		0.1	3%
10	14	4	Subsurface	Arsenic	1.24E+01	0.1	0.0	0.0	0.2	5%
10	14	4	Subsurface	Chromium	5.66E+01	0.0	0.0		0.0	0%
10	14	4	Subsurface	Cobalt	1.46E+01	0.2	0.1	0.0	0.3	7%
10	14	4	Subsurface	Copper	3.59E+02	0.0	0.0		0.0	1%
10	14	4	Subsurface	Iron	3.89E+04	0.2	0.1		0.3	7%
10	14	4	Subsurface	Manganese	9.96E+02	0.0	0.0	0.0	0.1	1%

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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	4	Subsurface	Mercury	8.00E+00	0.1	0.6		0.7	19%
10	14	4	Subsurface	Nickel	7.31E+02	0.1	1.2	0.0	1.4	36%
10	14	4	Subsurface	PCB, Total	8.28E+00				0.0	0%
10	14	4	Subsurface	Silver	1.17E+01	0.0	0.1		0.1	2%
10	14	4	Subsurface	Total PAH	1.89E-01				0.0	0%
10	14	4	Subsurface	Uranium	3.72E+02	0.4	0.2	0.0	0.6	17%
10	14	4	Subsurface	Totals		1.3	2.5	0.0	3.9	
10	14	4	Subsurface	Percent		0.3	0.7	0.0		
10	14	5	Subsurface	Antimony	1.60E+00	0.0	0.0		0.1	0%
10	14	5	Subsurface	Arsenic	1.27E+01	0.1	0.0	0.0	0.2	1%
10	14	5	Subsurface	Beryllium	7.93E-01	0.0	0.0	0.0	0.0	0%
10	14	5	Subsurface	Cadmium	2.59E+00	0.0	0.0	0.0	0.0	0%
10	14	5	Subsurface	Chromium	4.70E+01	0.0	0.0		0.0	0%
10	14	5	Subsurface	Cobalt	1.11E+01	0.1	0.1	0.0	0.2	1%
10	14	5	Subsurface	Copper	1.34E+02	0.0	0.0		0.0	0%
10	14	5	Subsurface	Iron	3.93E+04	0.2	0.1		0.3	1%
10	14	5	Subsurface	Manganese	1.06E+03	0.0	0.0	0.0	0.1	0%
10	14	5	Subsurface	Mercury	1.09E+01	0.1	0.9		1.0	4%
10	14	5	Subsurface	Nickel	4.63E+02	0.1	0.8	0.0	0.9	4%
10	14	5	Subsurface	PCB, Total	7.64E+00				0.0	0%
10	14	5	Subsurface	Silver	1.29E+01	0.0	0.1		0.1	0%
10	14	5	Subsurface	Thallium	3.52E-01	0.0	0.0		0.0	0%
10	14	5	Subsurface	Total PAH	9.48E-02				0.0	0%
10	14	5	Subsurface	Uranium	2.62E+02	0.3	0.1	0.0	0.5	2%
10	14	5	Subsurface	Vanadium	3.68E+01	1.8	17.9	0.0	19.7	86%
10	14	5	Subsurface	Totals		2.9	20.1	0.0	23.0	
10	14	5	Subsurface	Percent		0.1	0.9	0.0		
10	14	6	Subsurface	Antimony	2.13E+00	0.0	0.1		0.1	2%
10	14	6	Subsurface	Arsenic	1.05E+01	0.1	0.0	0.0	0.2	5%
10	14	6	Subsurface	Cadmium	6.57E-01	0.0	0.0	0.0	0.0	0%
10	14	6	Subsurface	Chromium	4.39E+02	0.0	0.0		0.0	1%
10	14	6	Subsurface	Copper	1.22E+02	0.0	0.0		0.0	0%
10	14	6	Subsurface	Manganese	6.55E+02	0.0	0.0	0.0	0.0	1%
10	14	6	Subsurface	Mercury	3.47E-01	0.0	0.0		0.0	1%
10	14	6	Subsurface	Nickel	9.63E+02	0.2	1.6	0.0	1.8	55%
10	14	6	Subsurface	PCB, Total	5.00E+00				0.0	0%
10	14	6	Subsurface	Silver	1.47E+01	0.0	0.1		0.1	3%
10	14	6	Subsurface	Uranium	5.77E+02	0.7	0.3	0.0	1.0	30%
10	14	6	Subsurface	Totals		1.0	2.2	0.0	3.3	
10	14	6	Subsurface	Percent		0.3	0.7	0.0		
10	14	7	Subsurface	Antimony	6.02E-01	0.0	0.0		0.0	1%
10	14	7	Subsurface	Arsenic	1.12E+01	0.1	0.0	0.0	0.2	4%
10	14	7	Subsurface	Cadmium	2.11E+00	0.0	0.0	0.0	0.0	0%
10	14	7	Subsurface	Chromium	6.46E+01	0.0	0.0		0.0	0%
10	14	7	Subsurface	Manganese	5.99E+02	0.0	0.0	0.0	0.0	1%
10	14	7	Subsurface	Mercury	7.82E+00	0.1	0.6		0.7	18%
10	14	7	Subsurface	Nickel	1.22E+03	0.2	2.1	0.0	2.3	58%
10	14	7	Subsurface	PCB, Total	7.60E+00				0.0	0%
10	14	7	Subsurface	Silver	1.63E+01	0.0	0.1		0.1	3%
10	14	7	Subsurface	Total PAH	4.88E-02				0.0	0%
10	14	7	Subsurface	Uranium	3.33E+02	0.4	0.2	0.0	0.6	15%
10	14	7	Subsurface	Totals		0.9	3.1	0.0	4.0	
10	14	7	Subsurface	Percent		0.2	0.8	0.0		
10	14	8	Subsurface	Antimony	5.01E-01	0.0	0.0		0.0	1%
10	14	8	Subsurface	Arsenic	1.22E+01	0.1	0.0	0.0	0.2	6%

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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	8	Subsurface	Chromium	5.14E+01	0.0	0.0		0.0	0%
10	14	8	Subsurface	Copper	1.17E+02	0.0	0.0		0.0	0%
10	14	8	Subsurface	Mercury	8.70E+00	0.1	0.7		0.8	26%
10	14	8	Subsurface	Nickel	6.73E+02	0.1	1.1	0.0	1.3	41%
10	14	8	Subsurface	PCB, Total	5.00E+00				0.0	0%
10	14	8	Subsurface	Silver	1.18E+01	0.0	0.1		0.1	3%
10	14	8	Subsurface	Total PAH	4.13E-02				0.0	0%
10	14	8	Subsurface	Uranium	4.05E+02	0.5	0.2	0.0	0.7	23%
10	14	8	Subsurface	Totals		0.9	2.2	0.0	3.1	
10	14	8	Subsurface	Percent		0.3	0.7	0.0		
10	14	9	Subsurface	Antimony	2.00E+00	0.0	0.1		0.1	2%
10	14	9	Subsurface	Arsenic	1.39E+01	0.2	0.0	0.0	0.2	4%
10	14	9	Subsurface	Cadmium	9.40E-01	0.0	0.0	0.0	0.0	0%
10	14	9	Subsurface	Chromium	4.64E+01	0.0	0.0		0.0	0%
10	14	9	Subsurface	Mercury	1.13E+00	0.0	0.1		0.1	2%
10	14	9	Subsurface	Nickel	9.43E+02	0.2	1.6	0.0	1.8	38%
10	14	9	Subsurface	PCB, Total	6.84E+00				0.0	0%
10	14	9	Subsurface	Total PAH	4.87E-01				0.0	0%
10	14	9	Subsurface	Uranium	1.46E+03	1.7	0.8	0.0	2.5	54%
10	14	9	Subsurface	Totals		2.1	2.6	0.0	4.7	
10	14	9	Subsurface	Percent		0.4	0.6	0.0		
10	14	10	Subsurface	Antimony	8.55E-01	0.0	0.0		0.0	1%
10	14	10	Subsurface	Arsenic	1.15E+01	0.1	0.0	0.0	0.2	4%
10	14	10	Subsurface	Barium	1.39E+02	0.0	0.0	0.0	0.0	0%
10	14	10	Subsurface	Chromium	4.47E+01	0.0	0.0		0.0	0%
10	14	10	Subsurface	Copper	1.37E+02	0.0	0.0		0.0	0%
10	14	10	Subsurface	Iron	2.69E+04	0.1	0.1		0.2	4%
10	14	10	Subsurface	Manganese	7.11E+02	0.0	0.0	0.0	0.0	1%
10	14	10	Subsurface	Mercury	2.49E+01	0.3	2.0		2.3	52%
10	14	10	Subsurface	Nickel	5.80E+02	0.1	1.0	0.0	1.1	25%
10	14	10	Subsurface	PCB, Total	9.32E+00				0.0	0%
10	14	10	Subsurface	Silver	1.07E+01	0.0	0.1		0.1	2%
10	14	10	Subsurface	Total PAH	2.10E-01				0.0	0%
10	14	10	Subsurface	Uranium	2.80E+02	0.3	0.2	0.0	0.5	11%
10	14	10	Subsurface	Totals		1.0	3.4	0.0	4.4	
10	14	10	Subsurface	Percent		0.2	0.8	0.0		
10	518	1	Subsurface	Arsenic	6.45E+00	0.1	0.0	0.0	0.1	16%
10	518	1	Subsurface	Carbazole	1.17E+01				0.0	0%
10	518	1	Subsurface	Cobalt	6.80E+00	0.1	0.0	0.0	0.1	19%
10	518	1	Subsurface	Nickel	1.29E+01	0.0	0.0	0.0	0.0	4%
10	518	1	Subsurface	PCB, Total	6.30E-01				0.0	0%
10	518	1	Subsurface	Pyrene	3.94E+01	0.0	0.0	0.0	0.0	2%
10	518	1	Subsurface	Total PAH	3.90E+01				0.0	0%
10	518	1	Subsurface	Uranium	2.17E+02	0.3	0.1	0.0	0.4	60%
10	518	1	Subsurface	Totals		0.4	0.2	0.0	0.6	
10	518	1	Subsurface	Percent		0.7	0.3	0.0		
10	520	1	Subsurface	Aluminum	9.61E+03	0.0	0.0	0.0	0.1	2%
10	520	1	Subsurface	Arsenic	8.83E+00	0.1	0.0	0.0	0.1	6%
10	520	1	Subsurface	Barium	1.57E+02	0.0	0.0	0.0	0.0	1%
10	520	1	Subsurface	Beryllium	5.77E-01	0.0	0.0	0.0	0.0	0%
10	520	1	Subsurface	Chromium	5.95E+01	0.0	0.0		0.0	0%
10	520	1	Subsurface	Cobalt	1.08E+01	0.1	0.1	0.0	0.2	9%
10	520	1	Subsurface	Iron	1.70E+04	0.1	0.0		0.1	6%
10	520	1	Subsurface	Manganese	7.31E+02	0.0	0.0	0.0	0.0	2%
10	520	1	Subsurface	Mercury	1.07E+01	0.1	0.9		1.0	45%

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Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	520	1	Subsurface	Nickel	2.56E+02	0.0	0.4	0.0	0.5	22%
10	520	1	Subsurface	Silver	1.40E+01	0.0	0.1		0.1	5%
10	520	1	Subsurface	Total PAH	3.18E-02				0.0	0%
10	520	1	Subsurface	Uranium	1.75E+01	0.0	0.0	0.0	0.0	1%
10	520	1	Subsurface	Totals		0.6	1.6	0.0	2.2	
10	520	1	Subsurface	Percent		0.3	0.7	0.0		
10	520	2	Subsurface	Arsenic	9.87E+00	0.1	0.0	0.0	0.1	8%
10	520	2	Subsurface	Chromium	6.67E+01	0.0	0.0		0.0	0%
10	520	2	Subsurface	Manganese	6.49E+02	0.0	0.0	0.0	0.0	2%
10	520	2	Subsurface	Mercury	1.19E+01	0.1	1.0		1.1	57%
10	520	2	Subsurface	Nickel	3.10E+02	0.1	0.5	0.0	0.6	30%
10	520	2	Subsurface	Total PAH	2.53E-01				0.0	0%
10	520	2	Subsurface	Uranium	3.96E+01	0.0	0.0	0.0	0.1	4%
10	520	2	Subsurface	Totals		0.4	1.6	0.0	1.9	
10	520	2	Subsurface	Percent		0.2	0.8	0.0		
10	520	3	Subsurface	Arsenic	1.04E+01	0.1	0.0	0.0	0.2	10%
10	520	3	Subsurface	Chromium	6.57E+01	0.0	0.0		0.0	0%
10	520	3	Subsurface	Copper	1.18E+02	0.0	0.0		0.0	1%
10	520	3	Subsurface	Mercury	6.65E+00	0.1	0.5		0.6	40%
10	520	3	Subsurface	Nickel	3.31E+02	0.1	0.6	0.0	0.6	40%
10	520	3	Subsurface	Silver	1.26E+01	0.0	0.1		0.1	6%
10	520	3	Subsurface	Total PAH	7.42E-02				0.0	0%
10	520	3	Subsurface	Uranium	1.85E+01	0.0	0.0	0.0	0.0	2%
10	520	3	Subsurface	Totals		0.3	1.2	0.0	1.5	
10	520	3	Subsurface	Percent		0.2	0.8	0.0		
10	520	4	Subsurface	Arsenic	9.35E+00	0.1	0.0	0.0	0.1	1%
10	520	4	Subsurface	Beryllium	7.27E-01	0.0	0.0	0.0	0.0	0%
10	520	4	Subsurface	Cadmium	1.17E+00	0.0	0.0	0.0	0.0	0%
10	520	4	Subsurface	Chromium	6.60E+01	0.0	0.0		0.0	0%
10	520	4	Subsurface	Copper	1.10E+02	0.0	0.0		0.0	0%
10	520	4	Subsurface	Iron	1.65E+04	0.1	0.0		0.1	0%
10	520	4	Subsurface	Manganese	5.73E+02	0.0	0.0	0.0	0.0	0%
10	520	4	Subsurface	Mercury	9.69E+00	0.1	0.8		0.9	4%
10	520	4	Subsurface	Nickel	2.82E+02	0.0	0.5	0.0	0.5	2%
10	520	4	Subsurface	Silver	1.23E+01	0.0	0.1		0.1	0%
10	520	4	Subsurface	Total PAH	5.52E-01				0.0	0%
10	520	4	Subsurface	Uranium	2.27E+01	0.0	0.0	0.0	0.0	0%
10	520	4	Subsurface	Vanadium	4.43E+01	2.2	21.5	0.0	23.7	93%
10	520	4	Subsurface	Totals		2.6	23.0	0.0	25.6	
10	520	4	Subsurface	Percent		0.1	0.9	0.0		
10	520	5	Subsurface	Antimony	6.62E-01	0.0	0.0		0.0	0%
10	520	5	Subsurface	Arsenic	9.97E+00	0.1	0.0	0.0	0.1	1%
10	520	5	Subsurface	Barium	1.38E+02	0.0	0.0	0.0	0.0	0%
10	520	5	Subsurface	Beryllium	7.01E-01	0.0	0.0	0.0	0.0	0%
10	520	5	Subsurface	Chromium	4.94E+01	0.0	0.0		0.0	0%
10	520	5	Subsurface	Iron	1.70E+04	0.1	0.0		0.1	1%
10	520	5	Subsurface	Manganese	5.45E+02	0.0	0.0	0.0	0.0	0%
10	520	5	Subsurface	Mercury	6.94E+00	0.1	0.6		0.6	4%
10	520	5	Subsurface	Nickel	1.12E+02	0.0	0.2	0.0	0.2	1%
10	520	5	Subsurface	Total PAH	3.87E-01				0.0	0%
10	520	5	Subsurface	Vanadium	3.01E+01	1.5	14.6	0.0	16.1	93%
10	520	5	Subsurface	Totals		1.8	15.5	0.0	17.3	
10	520	5	Subsurface	Percent		0.1	0.9	0.0		
11	81	1	Subsurface	Aluminum	9.55E+03	0.0	0.0	0.0	0.1	0%
11	81	1	Subsurface	Arsenic	1.11E+01	0.1	0.0	0.0	0.2	1%

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
11	81	1	Subsurface	Beryllium	6.98E-01	0.0	0.0	0.0	0.0	0%
11	81	1	Subsurface	Chromium	6.38E+01	0.0	0.0		0.0	0%
11	81	1	Subsurface	Cobalt	1.58E+01	0.2	0.1	0.0	0.3	2%
11	81	1	Subsurface	Manganese	1.12E+03	0.0	0.0	0.0	0.1	0%
11	81	1	Subsurface	Mercury	8.33E+00	0.1	0.7		0.8	6%
11	81	1	Subsurface	Nickel	7.50E+01	0.0	0.1	0.0	0.1	1%
11	81	1	Subsurface	PCB, Total	1.60E+02				0.0	0%
11	81	1	Subsurface	Silver	2.70E+00	0.0	0.0		0.0	0%
11	81	1	Subsurface	Thallium	3.49E-01	0.0	0.0		0.0	0%
11	81	1	Subsurface	Total PAH	4.95E-01				0.0	0%
11	81	1	Subsurface	Uranium	6.50E+03	7.5	3.7	0.0	11.2	88%
11	81	1	Subsurface	Totals		8.0	4.7	0.0	12.8	
11	81	1	Subsurface	Percent		0.6	0.4	0.0		
11	153	1	Subsurface	Arsenic	9.92E+00	0.1	0.0	0.0	0.1	35%
11	153	1	Subsurface	Chromium	6.59E+01	0.0	0.0		0.0	1%
11	153	1	Subsurface	Manganese	5.73E+02	0.0	0.0	0.0	0.0	7%
11	153	1	Subsurface	Nickel	7.83E+01	0.0	0.1	0.0	0.1	34%
11	153	1	Subsurface	PCB, Total	6.00E-01				0.0	0%
11	153	1	Subsurface	Silver	1.32E+01	0.0	0.1		0.1	23%
11	153	1	Subsurface	Total PAH	7.31E-02				0.0	0%
11	153	1	Subsurface	Totals		0.2	0.3	0.0	0.4	
11	153	1	Subsurface	Percent		0.4	0.6	0.0		
11	156	1	Subsurface	Arsenic	1.11E+01	0.1	0.0	0.0	0.2	9%
11	156	1	Subsurface	Beryllium	1.00E+00	0.0	0.0	0.0	0.0	1%
11	156	1	Subsurface	Chromium	6.31E+01	0.0	0.0		0.0	0%
11	156	1	Subsurface	Cobalt	1.72E+01	0.2	0.1	0.0	0.3	17%
11	156	1	Subsurface	Manganese	2.83E+03	0.1	0.0	0.0	0.1	8%
11	156	1	Subsurface	Mercury	9.87E+00	0.1	0.8		0.9	51%
11	156	1	Subsurface	Nickel	6.16E+01	0.0	0.1	0.0	0.1	6%
11	156	1	Subsurface	PCB, Total	3.00E-01				0.0	0%
11	156	1	Subsurface	Silver	1.19E+01	0.0	0.1		0.1	5%
11	156	1	Subsurface	Total PAH	8.26E-02				0.0	0%
11	156	1	Subsurface	Uranium	2.32E+01	0.0	0.0	0.0	0.0	2%
11	156	1	Subsurface	Totals		0.6	1.2	0.0	1.8	
11	156	1	Subsurface	Percent		0.3	0.7	0.0		
11	160	1	Subsurface	Antimony	6.80E-01	0.0	0.0		0.0	11%
11	160	1	Subsurface	Arsenic	8.22E+00	0.1	0.0	0.0	0.1	52%
11	160	1	Subsurface	Chromium	4.63E+01	0.0	0.0		0.0	2%
11	160	1	Subsurface	Silver	1.13E+01	0.0	0.1		0.1	36%
11	160	1	Subsurface	Total PAH	1.02E-01				0.0	0%
11	160	1	Subsurface	Totals		0.1	0.1	0.0	0.2	
11	160	1	Subsurface	Percent		0.5	0.5	0.0		
11	163	1	Subsurface	Arsenic	1.00E+01	0.1	0.0	0.0	0.2	1%
11	163	1	Subsurface	Chromium	5.89E+01	0.0	0.0		0.0	0%
11	163	1	Subsurface	Mercury	7.53E+00	0.1	0.6		0.7	4%
11	163	1	Subsurface	Nickel	7.54E+01	0.0	0.1	0.0	0.1	1%
11	163	1	Subsurface	Silver	1.05E+01	0.0	0.1		0.1	0%
11	163	1	Subsurface	Total PAH	1.07E-01				0.0	0%
11	163	1	Subsurface	Vanadium	3.21E+01	1.6	15.6	0.0	17.2	94%
11	163	1	Subsurface	Totals		1.8	16.5	0.0	18.3	
11	163	1	Subsurface	Percent		0.1	0.9	0.0		
11	219	1	Subsurface	Nickel	6.71E+01	0.0	0.1	0.0	0.1	100%
11	219	1	Subsurface	Total PAH	7.50E-02				0.0	0%
11	219	1	Subsurface	Totals		0.0	0.1	0.0	0.1	
11	219	1	Subsurface	Percent		0.1	0.9	0.0		

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.26. HIs for the Excavation Worker/Outdoor Worker Exposed to Surface and Subsurface Soils (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
11	488	1	Subsurface	Arsenic	8.89E+00	0.1	0.0	0.0	0.1	82%
11	488	1	Subsurface	Chromium	5.31E+01	0.0	0.0		0.0	3%
11	488	1	Subsurface	PCB, Total	1.03E+01				0.0	0%
11	488	1	Subsurface	Total PAH	2.50E-01				0.0	0%
11	488	1	Subsurface	Uranium	1.48E+01	0.0	0.0	0.0	0.0	16%
11	488	1	Subsurface	Totals		0.1	0.0	0.0	0.2	
11	488	1	Subsurface	Percent		0.7	0.3	0.0		

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	1	1	Surface	Beryllium	3.89E+00	0.0	0.3	0.0	0.4	93%
5	1	1	Surface	Cadmium	1.10E+00	0.0	0.0	0.0	0.0	6%
5	1	1	Surface	Chromium	1.28E+01	0.0	0.0		0.0	1%
5	1	1	Surface	PCB, Total	1.76E-01				0.0	0%
5	1	1	Surface	Totals		0.0	0.4	0.0	0.4	
5	1	1	Surface	Percent		10%	90%	0%		
5	1	2	Surface	Beryllium	8.23E+00	0.1	0.7	0.0	0.8	13%
5	1	2	Surface	Cadmium	6.46E+00	0.1	0.0	0.0	0.1	2%
5	1	2	Surface	Chromium	2.01E+02	0.0	0.1		0.1	2%
5	1	2	Surface	Copper	1.81E+02	0.1	0.0		0.1	2%
5	1	2	Surface	Mercury	5.94E+00	0.3	2.5		2.8	47%
5	1	2	Surface	Nickel	5.75E+01	0.0	0.5	0.0	0.6	9%
5	1	2	Surface	PCB, Total	3.21E+01				0.0	0%
5	1	2	Surface	Silver	3.31E+01	0.1	1.2		1.3	21%
5	1	2	Surface	Thallium	3.70E-01	0.1	0.0		0.1	2%
5	1	2	Surface	Vanadium	3.49E+01	0.1	0.0		0.1	2%
5	1	2	Surface	Totals		0.7	5.2	0.0	5.9	
5	1	2	Surface	Percent		12%	88%	0%		
5	1	3	Surface	Chromium	1.45E+01	0.0	0.0		0.0	100%
5	1	3	Surface	PCB, Total	2.17E-01				0.0	0%
5	1	3	Surface	Totals		0.0	0.0		0.0	
5	1	3	Surface	Percent		2%	98%			
5	1	4	Surface	Beryllium	7.25E-01	0.0	0.1	0.0	0.1	12%
5	1	4	Surface	Chromium	9.30E+01	0.0	0.0		0.0	8%
5	1	4	Surface	Nickel	4.69E+01	0.0	0.4	0.0	0.5	80%
5	1	4	Surface	PCB, Total	1.30E-01				0.0	0%
5	1	4	Surface	Totals		0.0	0.5	0.0	0.6	
5	1	4	Surface	Percent		6%	93%	0%		
5	1	5	Surface	Beryllium	8.30E+00	0.1	0.7	0.0	0.8	66%
5	1	5	Surface	Cadmium	1.20E+00	0.0	0.0	0.0	0.0	2%
5	1	5	Surface	Nickel	4.07E+01	0.0	0.4	0.0	0.4	32%
5	1	5	Surface	PCB, Total	2.70E-01				0.0	0%
5	1	5	Surface	Total PAH	9.83E-02				0.0	0%
5	1	5	Surface	Totals		0.1	1.1	0.0	1.2	
5	1	5	Surface	Percent		8%	92%	0%		
5	99	1	Surface	Chromium	5.51E+01	0.0	0.0		0.0	0%
5	99	1	Surface	Mercury	9.53E+00	0.4	4.1		4.5	80%
5	99	1	Surface	Nickel	7.02E+01	0.0	0.6	0.0	0.7	12%
5	99	1	Surface	Silver	1.03E+01	0.0	0.4		0.4	7%
5	99	1	Surface	Totals		0.5	5.1	0.0	5.6	
5	99	1	Surface	Percent		9%	91%	0%		
5	194	1	Surface	Antimony	1.50E+00	0.0	0.2		0.3	6%
5	194	1	Surface	Chromium	3.87E+01	0.0	0.0		0.0	0%
5	194	1	Surface	Mercury	6.71E+00	0.3	2.9		3.1	71%
5	194	1	Surface	Nickel	5.84E+01	0.0	0.5	0.0	0.6	13%
5	194	1	Surface	Silver	1.09E+01	0.0	0.4		0.4	9%
5	194	1	Surface	Totals		0.4	4.0	0.0	4.4	
5	194	1	Surface	Percent		9%	91%	0%		
5	194	2	Surface	Chromium	5.96E+01	0.0	0.0		0.0	4%
5	194	2	Surface	Silver	1.31E+01	0.0	0.5		0.5	72%
5	194	2	Surface	Uranium	2.28E+01	0.1	0.1	0.0	0.2	24%
5	194	2	Surface	Totals		0.1	0.6	0.0	0.7	
5	194	2	Surface	Percent		19%	81%	0%		
5	194	3	Surface	Antimony	6.90E-01	0.0	0.1		0.1	8%
5	194	3	Surface	Arsenic	1.46E+01	0.6	0.3	0.0	0.9	54%
5	194	3	Surface	Chromium	3.90E+01	0.0	0.0		0.0	1%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	3	Surface	Nickel	6.40E+01	0.0	0.6	0.0	0.6	37%
5	194	3	Surface	Total PAH	3.93E-02				0.0	0%
5	194	3	Surface	Totals		0.7	1.0	0.0	1.7	
5	194	3	Surface	Percent		42%	58%	0%		
5	194	4	Surface	Chromium	4.84E+01	0.0	0.0		0.0	0%
5	194	4	Surface	Mercury	8.92E+00	0.4	3.8		4.2	79%
5	194	4	Surface	Nickel	6.91E+01	0.0	0.6	0.0	0.7	13%
5	194	4	Surface	Silver	1.18E+01	0.0	0.4		0.5	8%
5	194	4	Surface	Total PAH	7.30E-02				0.0	0%
5	194	4	Surface	Totals		0.5	4.9	0.0	5.3	
5	194	4	Surface	Percent		9%	91%	0%		
5	194	5	Surface	Chromium	4.58E+01	0.0	0.0		0.0	0%
5	194	5	Surface	Mercury	8.69E+00	0.4	3.7		4.1	77%
5	194	5	Surface	Nickel	7.54E+01	0.0	0.7	0.0	0.7	14%
5	194	5	Surface	Silver	1.25E+01	0.0	0.4		0.5	9%
5	194	5	Surface	Total PAH	2.37E-02				0.0	0%
5	194	5	Surface	Totals		0.5	4.8	0.0	5.3	
5	194	5	Surface	Percent		9%	91%	0%		
5	194	6	Surface	Chromium	3.70E+01	0.0	0.0		0.0	1%
5	194	6	Surface	Manganese	1.08E+03	0.1	0.1	0.1	0.3	18%
5	194	6	Surface	Nickel	8.06E+01	0.1	0.7	0.0	0.8	54%
5	194	6	Surface	Silver	9.89E+00	0.0	0.4		0.4	26%
5	194	6	Surface	Totals		0.2	1.1	0.1	1.4	
5	194	6	Surface	Percent		12%	80%	8%		
5	194	7	Surface	Chromium	5.32E+01	0.0	0.0		0.0	2%
5	194	7	Surface	Nickel	7.71E+01	0.0	0.7	0.0	0.7	60%
5	194	7	Surface	Silver	1.25E+01	0.0	0.4		0.5	38%
5	194	7	Surface	Totals		0.1	1.2	0.0	1.2	
5	194	7	Surface	Percent		7%	93%	0%		
5	194	8	Surface	Bis(2-ethylhexyl)phthalate	1.50E+01	0.0	0.0		0.0	10%
5	194	8	Surface	Chromium	5.36E+01	0.0	0.0		0.0	10%
5	194	8	Surface	Manganese	8.00E+02	0.1	0.0	0.1	0.2	80%
5	194	8	Surface	Total PAH	4.85E-01				0.0	0%
5	194	8	Surface	Totals		0.1	0.1	0.1	0.2	
5	194	8	Surface	Percent		35%	33%	32%		
5	194	9	Surface	Arsenic	1.14E+01	0.5	0.2	0.0	0.7	97%
5	194	9	Surface	Chromium	5.17E+01	0.0	0.0		0.0	3%
5	194	9	Surface	Totals		0.5	0.2	0.0	0.7	
5	194	9	Surface	Percent		68%	32%	1%		
5	194	10	Surface	Arsenic	1.22E+01	0.5	0.2	0.0	0.7	50%
5	194	10	Surface	Chromium	3.63E+01	0.0	0.0		0.0	1%
5	194	10	Surface	Nickel	7.60E+01	0.0	0.7	0.0	0.7	49%
5	194	10	Surface	Total PAH	2.57E-01				0.0	0%
5	194	10	Surface	Totals		0.6	0.9	0.0	1.5	
5	194	10	Surface	Percent		38%	61%	1%		
5	194	11	Surface	Chromium	3.27E+01	0.0	0.0		0.0	0%
5	194	11	Surface	Mercury	8.09E+00	0.3	3.4		3.8	72%
5	194	11	Surface	Nickel	1.01E+02	0.1	0.9	0.0	1.0	18%
5	194	11	Surface	PCB, Total	8.40E-02				0.0	0%
5	194	11	Surface	Silver	1.33E+01	0.0	0.5		0.5	10%
5	194	11	Surface	Total PAH	7.95E-02				0.0	0%
5	194	11	Surface	Totals		0.4	4.8	0.0	5.3	
5	194	11	Surface	Percent		8%	92%	0%		
5	194	12	Surface	Chromium	6.34E+01	0.0	0.0		0.0	2%
5	194	12	Surface	Nickel	7.86E+01	0.1	0.7	0.0	0.8	61%
5	194	12	Surface	Silver	1.20E+01	0.0	0.4		0.5	37%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

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HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	12	Surface	Total PAH	8.91E-01				0.0	0%
5	194	12	Surface	Totals		0.1	1.2	0.0	1.2	
5	194	12	Surface	Percent		7%	93%	0%		
5	194	13	Surface	Chromium	4.77E+01	0.0	0.0		0.0	4%
5	194	13	Surface	Nickel	6.03E+01	0.0	0.5	0.0	0.6	96%
5	194	13	Surface	Total PAH	9.13E-02				0.0	0%
5	194	13	Surface	Totals		0.0	0.6	0.0	0.6	
5	194	13	Surface	Percent		6%	93%	1%		
5	194	14	Surface	Chromium	5.21E+01	0.0	0.0		0.0	1%
5	194	14	Surface	Mercury	8.14E+00	0.3	3.5		3.8	99%
5	194	14	Surface	Totals		0.3	3.5		3.8	
5	194	14	Surface	Percent		9%	91%			
5	194	15	Surface	Chromium	5.33E+01	0.0	0.0		0.0	6%
5	194	15	Surface	Silver	1.03E+01	0.0	0.4		0.4	94%
5	194	15	Surface	Totals		0.0	0.4		0.4	
5	194	15	Surface	Percent		6%	94%			
5	194	16	Surface	Antimony	7.40E-01	0.0	0.1		0.1	7%
5	194	16	Surface	Arsenic	1.15E+01	0.5	0.2	0.0	0.7	36%
5	194	16	Surface	Beryllium	8.70E-01	0.0	0.1	0.0	0.1	4%
5	194	16	Surface	Chromium	5.32E+01	0.0	0.0		0.0	1%
5	194	16	Surface	Nickel	7.20E+01	0.0	0.6	0.0	0.7	36%
5	194	16	Surface	Thallium	6.30E-01	0.1	0.1		0.2	9%
5	194	16	Surface	Vanadium	4.11E+01	0.1	0.0		0.1	7%
5	194	16	Surface	Totals		0.8	1.2	0.0	2.0	
5	194	16	Surface	Percent		40%	60%	0%		
5	194	17	Surface	Arsenic	1.16E+01	0.5	0.2	0.0	0.7	94%
5	194	17	Surface	Cadmium	1.10E+00	0.0	0.0	0.0	0.0	3%
5	194	17	Surface	Chromium	4.65E+01	0.0	0.0		0.0	3%
5	194	17	Surface	Total PAH	1.59E-01				0.0	0%
5	194	17	Surface	Totals		0.5	0.2	0.0	0.7	
5	194	17	Surface	Percent		68%	32%	1%		
5	194	18	Surface	Arsenic	1.06E+01	0.5	0.2	0.0	0.6	49%
5	194	18	Surface	Beryllium	7.40E-01	0.0	0.1	0.0	0.1	5%
5	194	18	Surface	Chromium	6.85E+01	0.0	0.0		0.0	2%
5	194	18	Surface	Nickel	5.78E+01	0.0	0.5	0.0	0.6	43%
5	194	18	Surface	Totals		0.5	0.8	0.0	1.3	
5	194	18	Surface	Percent		38%	62%	1%		
5	194	19	Surface	Arsenic	1.07E+01	0.5	0.2	0.0	0.7	53%
5	194	19	Surface	Chromium	4.84E+01	0.0	0.0		0.0	2%
5	194	19	Surface	Nickel	5.84E+01	0.0	0.5	0.0	0.6	46%
5	194	19	Surface	Totals		0.5	0.7	0.0	1.2	
5	194	19	Surface	Percent		40%	60%	1%		
5	194	20	Surface	Arsenic	1.18E+01	0.5	0.2	0.0	0.7	9%
5	194	20	Surface	Barium	3.26E+02	0.0	0.2	0.0	0.2	3%
5	194	20	Surface	Beryllium	1.10E+00	0.0	0.1	0.0	0.1	1%
5	194	20	Surface	Chromium	5.24E+01	0.0	0.0		0.0	0%
5	194	20	Surface	Cobalt	2.11E+01	0.9	0.6	0.0	1.5	20%
5	194	20	Surface	Manganese	2.29E+03	0.2	0.1	0.2	0.5	7%
5	194	20	Surface	Mercury	7.28E+00	0.3	3.1		3.4	44%
5	194	20	Surface	Nickel	6.57E+01	0.0	0.6	0.0	0.6	8%
5	194	20	Surface	Silver	1.22E+01	0.0	0.4		0.5	6%
5	194	20	Surface	Total PAH	3.10E-02				0.0	0%
5	194	20	Surface	Vanadium	3.81E+01	0.1	0.0		0.1	2%
5	194	20	Surface	Totals		2.1	5.5	0.2	7.8	
5	194	20	Surface	Percent		27%	70%	3%		
5	194	21	Surface	Antimony	9.30E-01	0.0	0.1		0.2	4%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	21	Surface	Chromium	5.51E+01	0.0	0.0		0.0	1%
5	194	21	Surface	Mercury	6.62E+00	0.3	2.8		3.1	75%
5	194	21	Surface	Nickel	7.01E+01	0.0	0.6	0.0	0.7	16%
5	194	21	Surface	Thallium	6.40E-01	0.1	0.1		0.2	4%
5	194	21	Surface	Totals		0.5	3.7	0.0	4.1	
5	194	21	Surface	Percent		11%	89%	0%		
5	194	22	Surface	Chromium	4.90E+01	0.0	0.0		0.0	10%
5	194	22	Surface	Manganese	8.19E+02	0.1	0.0	0.1	0.2	90%
5	194	22	Surface	PCB, Total	1.09E+01				0.0	0%
5	194	22	Surface	Totals		0.1	0.1	0.1	0.2	
5	194	22	Surface	Percent		34%	29%	36%		
5	194	23	Surface	Arsenic	1.16E+01	0.5	0.2	0.0	0.7	27%
5	194	23	Surface	Chromium	6.60E+01	0.0	0.0		0.0	1%
5	194	23	Surface	Iron	1.83E+04	0.3	0.2		0.6	22%
5	194	23	Surface	Nickel	8.77E+01	0.1	0.8	0.0	0.8	33%
5	194	23	Surface	Silver	1.15E+01	0.0	0.4		0.4	17%
5	194	23	Surface	Totals		0.9	1.7	0.0	2.6	
5	194	23	Surface	Percent		35%	64%	0%		
5	194	24	Surface	Chromium	5.02E+01	0.0	0.0		0.0	3%
5	194	24	Surface	Nickel	7.08E+01	0.0	0.6	0.0	0.7	97%
5	194	24	Surface	Total PAH	2.28E-02				0.0	0%
5	194	24	Surface	Totals		0.0	0.7	0.0	0.7	
5	194	24	Surface	Percent		6%	93%	1%		
5	194	25	Surface	Barium	3.00E+02	0.0	0.2	0.0	0.2	20%
5	194	25	Surface	Chromium	6.13E+01	0.0	0.0		0.0	3%
5	194	25	Surface	Manganese	9.96E+02	0.1	0.1	0.1	0.2	22%
5	194	25	Surface	Nickel	6.33E+01	0.0	0.6	0.0	0.6	56%
5	194	25	Surface	Total PAH	2.06E-02				0.0	0%
5	194	25	Surface	Totals		0.2	0.8	0.1	1.1	
5	194	25	Surface	Percent		14%	77%	9%		
5	194	26	Surface	Beryllium	7.00E-01	0.0	0.1	0.0	0.1	11%
5	194	26	Surface	Chromium	4.18E+01	0.0	0.0		0.0	3%
5	194	26	Surface	Silver	1.03E+01	0.0	0.4		0.4	67%
5	194	26	Surface	Thallium	3.90E-01	0.1	0.0		0.1	18%
5	194	26	Surface	Totals		0.1	0.5	0.0	0.6	
5	194	26	Surface	Percent		16%	84%	0%		
5	194	27	Surface	Chromium	5.22E+01	0.0	0.0		0.0	2%
5	194	27	Surface	Nickel	6.55E+01	0.0	0.6	0.0	0.6	60%
5	194	27	Surface	Silver	1.01E+01	0.0	0.4		0.4	37%
5	194	27	Surface	Totals		0.1	1.0	0.0	1.0	
5	194	27	Surface	Percent		7%	93%	0%		
5	194	28	Surface	Arsenic	1.20E+01	0.5	0.2	0.0	0.7	31%
5	194	28	Surface	Beryllium	7.10E-01	0.0	0.1	0.0	0.1	3%
5	194	28	Surface	Chromium	6.07E+01	0.0	0.0		0.0	1%
5	194	28	Surface	Manganese	1.14E+03	0.1	0.1	0.1	0.3	12%
5	194	28	Surface	Nickel	6.95E+01	0.0	0.6	0.0	0.7	29%
5	194	28	Surface	Silver	1.08E+01	0.0	0.4		0.4	18%
5	194	28	Surface	Vanadium	4.06E+01	0.1	0.0		0.1	6%
5	194	28	Surface	Totals		0.8	1.4	0.1	2.3	
5	194	28	Surface	Percent		34%	61%	5%		
5	194	29	Surface	Antimony	7.10E-01	0.0	0.1		0.1	11%
5	194	29	Surface	Chromium	5.06E+01	0.0	0.0		0.0	2%
5	194	29	Surface	Nickel	6.51E+01	0.0	0.6	0.0	0.6	54%
5	194	29	Surface	Silver	9.77E+00	0.0	0.3		0.4	32%
5	194	29	Surface	Totals		0.1	1.1	0.0	1.2	
5	194	29	Surface	Percent		8%	92%	0%		

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
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HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	30	Surface	Chromium	5.66E+01	0.0	0.0		0.0	1%
5	194	30	Surface	Mercury	8.80E+00	0.4	3.8		4.1	79%
5	194	30	Surface	Nickel	6.99E+01	0.0	0.6	0.0	0.7	13%
5	194	30	Surface	Silver	9.76E+00	0.0	0.3		0.4	7%
5	194	30	Surface	Totals		0.4	4.8	0.0	5.2	
5	194	30	Surface	Percent		9%	91%	0%		
5	196	1	Surface	Antimony	5.90E-01	0.0	0.1		0.1	2%
5	196	1	Surface	Chromium	1.96E+01	0.0	0.0		0.0	0%
5	196	1	Surface	Nickel	5.56E+02	0.4	5.0	0.0	5.4	95%
5	196	1	Surface	Uranium	2.33E+01	0.1	0.1	0.0	0.2	3%
5	196	1	Surface	Totals		0.5	5.1	0.0	5.6	
5	196	1	Surface	Percent		8%	91%	1%		
5	196	2	Surface	Barium	2.02E+02	0.0	0.1	0.0	0.1	16%
5	196	2	Surface	Cadmium	2.53E+00	0.0	0.0	0.0	0.1	6%
5	196	2	Surface	Chromium	2.07E+01	0.0	0.0		0.0	1%
5	196	2	Surface	Nickel	7.36E+01	0.0	0.7	0.0	0.7	78%
5	196	2	Surface	PCB, Total	1.51E+00				0.0	0%
5	196	2	Surface	Total PAH	6.80E-01				0.0	0%
5	196	2	Surface	Totals		0.1	0.8	0.0	0.9	
5	196	2	Surface	Percent		10%	89%	1%		
5	489	1	Surface	Chromium	4.16E+01	0.0	0.0		0.0	2%
5	489	1	Surface	Nickel	7.88E+01	0.1	0.7	0.0	0.8	98%
5	489	1	Surface	Total PAH	8.22E-02				0.0	0%
5	489	1	Surface	Totals		0.1	0.7	0.0	0.8	
5	489	1	Surface	Percent		7%	93%	1%		
5	531	1	Surface	Antimony	1.00E+00	0.0	0.1		0.2	3%
5	531	1	Surface	Arsenic	4.68E+01	2.0	0.8	0.0	2.8	42%
5	531	1	Surface	Cadmium	3.10E+00	0.0	0.0	0.0	0.1	1%
5	531	1	Surface	Chromium	5.05E+01	0.0	0.0		0.0	0%
5	531	1	Surface	Iron	5.68E+04	1.0	0.7		1.8	26%
5	531	1	Surface	Nickel	1.62E+02	0.1	1.5	0.0	1.6	23%
5	531	1	Surface	Total PAH	5.34E-02				0.0	0%
5	531	1	Surface	Uranium	2.41E+01	0.1	0.1	0.0	0.2	3%
5	531	1	Surface	Zinc	2.45E+03	0.1	0.1		0.2	3%
5	531	1	Surface	Totals		3.4	3.4	0.0	6.8	
5	531	1	Surface	Percent		50%	49%	0%		
6	200	1	Surface	Antimony	5.60E-01	0.0	0.1		0.1	2%
6	200	1	Surface	Chromium	5.75E+01	0.0	0.0		0.0	1%
6	200	1	Surface	Mercury	6.71E+00	0.3	2.9		3.1	67%
6	200	1	Surface	Nickel	1.28E+02	0.1	1.1	0.0	1.2	26%
6	200	1	Surface	PCB, Total	2.60E+00				0.0	0%
6	200	1	Surface	Total PAH	2.84E-02				0.0	0%
6	200	1	Surface	Uranium	2.73E+01	0.1	0.1	0.0	0.2	4%
6	200	1	Surface	Totals		0.5	4.2	0.0	4.7	
6	200	1	Surface	Percent		11%	89%	0%		
6	212	1	Surface	Arsenic	1.44E+01	0.6	0.3	0.0	0.9	27%
6	212	1	Surface	Beryllium	8.10E-01	0.0	0.1	0.0	0.1	2%
6	212	1	Surface	Chromium	3.58E+01	0.0	0.0		0.0	1%
6	212	1	Surface	Iron	4.14E+04	0.8	0.5		1.3	39%
6	212	1	Surface	Nickel	8.69E+01	0.1	0.8	0.0	0.8	26%
6	212	1	Surface	PCB, Total	1.80E-01				0.0	0%
6	212	1	Surface	Uranium	2.30E+01	0.1	0.1	0.0	0.2	5%
6	212	1	Surface	Totals		1.5	1.7	0.0	3.3	
6	212	1	Surface	Percent		47%	53%	0%		
6	213	1	Surface	Antimony	8.50E-01	0.0	0.1		0.2	12%
6	213	1	Surface	Chromium	4.78E+01	0.0	0.0		0.0	2%

SWMU = solid waste management unit
EU = exposure unit
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HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	213	1	Surface	Nickel	6.67E+01	0.0	0.6	0.0	0.6	49%
6	213	1	Surface	PCB, Total	7.30E-02				0.0	0%
6	213	1	Surface	Silver	1.32E+01	0.0	0.5		0.5	38%
6	213	1	Surface	Total PAH	1.72E-01				0.0	0%
6	213	1	Surface	Totals		0.1	1.2	0.0	1.3	
6	213	1	Surface	Percent		8%	92%	0%		
6	213	2	Surface	Chromium	4.48E+01	0.0	0.0		0.0	2%
6	213	2	Surface	Nickel	9.10E+01	0.1	0.8	0.0	0.9	66%
6	213	2	Surface	Silver	1.13E+01	0.0	0.4		0.4	32%
6	213	2	Surface	Totals		0.1	1.2	0.0	1.3	
6	213	2	Surface	Percent		7%	93%	0%		
6	214	1	Surface	Antimony	5.70E-01	0.0	0.1		0.1	100%
6	214	1	Surface	Totals		0.0	0.1		0.1	
6	214	1	Surface	Percent		18%	82%			
6	215	1	Surface	Antimony	6.80E-01	0.0	0.1		0.1	6%
6	215	1	Surface	Chromium	5.73E+01	0.0	0.0		0.0	1%
6	215	1	Surface	Iron	3.87E+04	0.7	0.5		1.2	58%
6	215	1	Surface	Nickel	7.32E+01	0.0	0.7	0.0	0.7	34%
6	215	1	Surface	Total PAH	8.09E-02				0.0	0%
6	215	1	Surface	Totals		0.8	1.3	0.0	2.1	
6	215	1	Surface	Percent		38%	62%	0%		
6	216	1	Surface	Chromium	2.38E+01	0.0	0.0		0.0	100%
6	216	1	Surface	Total PAH	1.49E-01				0.0	0%
6	216	1	Surface	Totals		0.0	0.0		0.0	
6	216	1	Surface	Percent		2%	98%			
6	217	1	Surface	Chromium	8.58E+01	0.0	0.0		0.0	1%
6	217	1	Surface	Cobalt	1.96E+01	0.8	0.6	0.0	1.4	48%
6	217	1	Surface	Manganese	7.70E+02	0.1	0.0	0.1	0.2	6%
6	217	1	Surface	Nickel	8.54E+01	0.1	0.8	0.0	0.8	27%
6	217	1	Surface	Silver	1.35E+01	0.0	0.5		0.5	17%
6	217	1	Surface	Totals		1.0	1.9	0.1	3.0	
6	217	1	Surface	Percent		33%	64%	3%		
6	217	2	Surface	Antimony	1.70E+00	0.1	0.3		0.3	3%
6	217	2	Surface	Arsenic	1.12E+01	0.5	0.2	0.0	0.7	7%
6	217	2	Surface	Chromium	1.02E+02	0.0	0.0		0.0	1%
6	217	2	Surface	Cobalt	1.74E+01	0.7	0.5	0.0	1.3	14%
6	217	2	Surface	Iron	3.09E+04	0.6	0.4		1.0	11%
6	217	2	Surface	Manganese	8.44E+02	0.1	0.0	0.1	0.2	2%
6	217	2	Surface	Mercury	8.59E+00	0.4	3.7		4.0	44%
6	217	2	Surface	Nickel	9.74E+01	0.1	0.9	0.0	0.9	10%
6	217	2	Surface	Silver	1.61E+01	0.0	0.6		0.6	7%
6	217	2	Surface	Total PAH	5.05E-01				0.0	0%
6	217	2	Surface	Totals		2.4	6.6	0.1	9.1	
6	217	2	Surface	Percent		26%	73%	1%		
6	221	1	Surface	Barium	2.21E+02	0.0	0.1	0.0	0.2	9%
6	221	1	Surface	Chromium	7.01E+01	0.0	0.0		0.0	2%
6	221	1	Surface	Iron	1.90E+04	0.3	0.2		0.6	35%
6	221	1	Surface	Nickel	7.93E+01	0.1	0.7	0.0	0.8	46%
6	221	1	Surface	PCB, Total	5.00E-01				0.0	0%
6	221	1	Surface	Total PAH	1.02E+00				0.0	0%
6	221	1	Surface	Uranium	1.64E+01	0.1	0.0	0.0	0.1	7%
6	221	1	Surface	Totals		0.5	1.2	0.0	1.7	
6	221	1	Surface	Percent		29%	71%	0%		
6	222	1	Surface	Chromium	4.73E+01	0.0	0.0		0.0	2%
6	222	1	Surface	Nickel	9.19E+01	0.1	0.8	0.0	0.9	80%
6	222	1	Surface	PCB, Total	1.40E+00				0.0	0%

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Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	222	1	Surface	Total PAH	1.77E-01				0.0	0%
6	222	1	Surface	Uranium	2.80E+01	0.1	0.1	0.0	0.2	18%
6	222	1	Surface	Totals		0.2	0.9	0.0	1.1	
6	222	1	Surface	Percent		16%	83%	0%		
6	227	1	Surface	Beryllium	5.52E-01	0.0	0.0	0.0	0.1	2%
6	227	1	Surface	Chromium	4.71E+01	0.0	0.0		0.0	1%
6	227	1	Surface	Nickel	2.03E+02	0.1	1.8	0.0	2.0	71%
6	227	1	Surface	PCB, Total	4.14E+00				0.0	0%
6	227	1	Surface	Total PAH	3.38E-01				0.0	0%
6	227	1	Surface	Uranium	1.02E+02	0.4	0.3	0.0	0.7	27%
6	227	1	Surface	Totals		0.6	2.2	0.0	2.8	
6	227	1	Surface	Percent		20%	79%	0%		
6	227	2	Surface	Beryllium	5.32E-01	0.0	0.0	0.0	0.1	1%
6	227	2	Surface	Chromium	5.63E+01	0.0	0.0		0.0	0%
6	227	2	Surface	Cobalt	8.99E+00	0.4	0.3	0.0	0.7	11%
6	227	2	Surface	Mercury	8.41E+00	0.4	3.6		3.9	66%
6	227	2	Surface	Nickel	1.25E+02	0.1	1.1	0.0	1.2	20%
6	227	2	Surface	PCB, Total	5.82E+00				0.0	0%
6	227	2	Surface	Total PAH	1.16E-01				0.0	0%
6	227	2	Surface	Uranium	1.51E+01	0.1	0.0	0.0	0.1	2%
6	227	2	Surface	Totals		0.9	5.1	0.0	6.0	
6	227	2	Surface	Percent		15%	85%	0%		
6	228	1	Surface	Antimony	6.30E-01	0.0	0.1		0.1	2%
6	228	1	Surface	Cadmium	3.90E+00	0.0	0.0	0.0	0.1	1%
6	228	1	Surface	Chromium	1.89E+02	0.0	0.1		0.1	1%
6	228	1	Surface	Mercury	9.37E+00	0.4	4.0		4.4	73%
6	228	1	Surface	Nickel	7.92E+01	0.1	0.7	0.0	0.8	13%
6	228	1	Surface	Silver	1.16E+01	0.0	0.4		0.4	7%
6	228	1	Surface	Total PAH	6.69E-02				0.0	0%
6	228	1	Surface	Uranium	1.51E+01	0.1	0.0	0.0	0.1	2%
6	228	1	Surface	Totals		0.6	5.4	0.0	6.0	
6	228	1	Surface	Percent		10%	90%	0%		
7	76	1	Surface	Barium	2.69E+02	0.0	0.2	0.0	0.2	100%
7	76	1	Surface	PCB, Total	2.60E-01				0.0	0%
7	76	1	Surface	Total PAH	1.76E+00				0.0	0%
7	76	1	Surface	Totals		0.0	0.2	0.0	0.2	
7	76	1	Surface	Percent		9%	90%	1%		
7	165	1	Surface	Antimony	2.20E+00	0.1	0.3		0.4	5%
7	165	1	Surface	Arsenic	6.35E+01	2.7	1.1	0.0	3.9	53%
7	165	1	Surface	Barium	5.84E+02	0.0	0.4	0.0	0.4	6%
7	165	1	Surface	Beryllium	6.82E-01	0.0	0.1	0.0	0.1	1%
7	165	1	Surface	Chromium	3.74E+01	0.0	0.0		0.0	0%
7	165	1	Surface	Mercury	3.78E-01	0.0	0.2		0.2	2%
7	165	1	Surface	Naphthalene	1.61E+00	0.0	0.0	0.1	0.1	1%
7	165	1	Surface	Nickel	3.47E+01	0.0	0.3	0.0	0.3	5%
7	165	1	Surface	PCB, Total	8.27E+00				0.0	0%
7	165	1	Surface	Silver	3.09E+01	0.1	1.1		1.2	16%
7	165	1	Surface	Total PAH	1.87E+00				0.0	0%
7	165	1	Surface	Uranium	1.08E+02	0.5	0.3	0.0	0.8	11%
7	165	1	Surface	Totals		3.4	3.8	0.1	7.3	
7	165	1	Surface	Percent		46%	52%	2%		
8	158	1	Surface	Antimony	5.23E-01	0.0	0.1		0.1	1%
8	158	1	Surface	Arsenic	1.01E+01	0.4	0.2	0.0	0.6	8%
8	158	1	Surface	Barium	2.19E+02	0.0	0.1	0.0	0.2	2%
8	158	1	Surface	Chromium	6.07E+01	0.0	0.0		0.0	0%
8	158	1	Surface	Cobalt	1.62E+01	0.7	0.5	0.0	1.2	15%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
8	158	1	Surface	Manganese	9.91E+02	0.1	0.1	0.1	0.2	3%
8	158	1	Surface	Mercury	1.05E+01	0.4	4.5		4.9	60%
8	158	1	Surface	Nickel	7.28E+01	0.0	0.7	0.0	0.7	9%
8	158	1	Surface	Thallium	3.12E-01	0.0	0.0		0.1	1%
8	158	1	Surface	Total PAH	3.69E-01				0.0	0%
8	158	1	Surface	Uranium	2.03E+01	0.1	0.1	0.0	0.1	2%
8	158	1	Surface	Totals		1.9	6.2	0.1	8.2	
8	158	1	Surface	Percent		23%	76%	1%		
8	169	1	Surface	Aluminum	1.42E+04	0.2	0.1	0.0	0.3	2%
8	169	1	Surface	Antimony	1.30E+00	0.0	0.2		0.2	2%
8	169	1	Surface	Arsenic	2.03E+01	0.9	0.4	0.0	1.2	10%
8	169	1	Surface	Beryllium	8.00E-01	0.0	0.1	0.0	0.1	1%
8	169	1	Surface	Chromium	2.15E+02	0.0	0.1		0.1	1%
8	169	1	Surface	Copper	3.74E+02	0.1	0.1		0.2	2%
8	169	1	Surface	Iron	4.16E+04	0.8	0.5		1.3	10%
8	169	1	Surface	Mercury	7.87E+00	0.3	3.4		3.7	29%
8	169	1	Surface	Nickel	5.49E+02	0.4	4.9	0.0	5.3	41%
8	169	1	Surface	PCB, Total	1.00E+01				0.0	0%
8	169	1	Surface	Thallium	4.60E-01	0.1	0.1		0.1	1%
8	169	1	Surface	Total PAH	4.59E+00				0.0	0%
8	169	1	Surface	Uranium	5.03E+01	0.2	0.2	0.0	0.4	3%
8	169	1	Surface	Totals		2.9	9.9	0.1	12.9	
8	169	1	Surface	Percent		23%	77%	0%		
9	19	1	Surface	Beryllium	1.10E+00	0.0	0.1	0.0	0.1	27%
9	19	1	Surface	Cadmium	1.20E+00	0.0	0.0	0.0	0.0	6%
9	19	1	Surface	Thallium	9.80E-01	0.2	0.1		0.3	67%
9	19	1	Surface	Total PAH	5.23E+00				0.0	0%
9	19	1	Surface	Totals		0.2	0.2	0.0	0.4	
9	19	1	Surface	Percent		45%	55%	0%		
9	138	1	Surface	Antimony	5.39E+00	0.2	0.8		1.0	11%
9	138	1	Surface	Arsenic	1.06E+01	0.5	0.2	0.0	0.6	7%
9	138	1	Surface	Cadmium	5.42E+00	0.1	0.0	0.0	0.1	1%
9	138	1	Surface	Chromium	5.39E+01	0.0	0.0		0.0	0%
9	138	1	Surface	Mercury	1.30E+01	0.6	5.5		6.1	68%
9	138	1	Surface	Nickel	7.04E+01	0.0	0.6	0.0	0.7	8%
9	138	1	Surface	PCB, Total	5.00E-01				0.0	0%
9	138	1	Surface	Silver	1.01E+01	0.0	0.4		0.4	4%
9	138	1	Surface	Total PAH	9.74E-02				0.0	0%
9	138	1	Surface	Totals		1.3	7.6	0.0	8.9	
9	138	1	Surface	Percent		15%	85%	0%		
9	138	2	Surface	Nickel	7.99E+01	0.1	0.7	0.0	0.8	66%
9	138	2	Surface	PCB, Total	9.20E-02				0.0	0%
9	138	2	Surface	Silver	1.04E+01	0.0	0.4		0.4	34%
9	138	2	Surface	Total PAH	3.84E-02				0.0	0%
9	138	2	Surface	Totals		0.1	1.1	0.0	1.2	
9	138	2	Surface	Percent		7%	93%	0%		
9	180	1	Surface	Antimony	5.80E-01	0.0	0.1		0.1	1%
9	180	1	Surface	Arsenic	7.48E+01	3.2	1.3	0.0	4.6	48%
9	180	1	Surface	Chromium	5.54E+01	0.0	0.0		0.0	0%
9	180	1	Surface	Mercury	8.28E+00	0.4	3.5		3.9	41%
9	180	1	Surface	Nickel	8.77E+01	0.1	0.8	0.0	0.8	9%
9	180	1	Surface	Totals		3.6	5.8	0.0	9.4	
9	180	1	Surface	Percent		38%	61%	0%		
9	180	2	Surface	Antimony	4.58E-01	0.0	0.1		0.1	5%
9	180	2	Surface	Arsenic	1.27E+01	0.5	0.2	0.0	0.8	46%
9	180	2	Surface	Chromium	4.46E+01	0.0	0.0		0.0	1%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	180	2	Surface	Nickel	8.42E+01	0.1	0.8	0.0	0.8	48%
9	180	2	Surface	Total PAH	9.19E-02				0.0	0%
9	180	2	Surface	Totals		0.6	1.1	0.0	1.7	
9	180	2	Surface	Percent		36%	63%	1%		
9	180	3	Surface	Arsenic	1.34E+01	0.6	0.2	0.0	0.8	42%
9	180	3	Surface	Chromium	4.69E+01	0.0	0.0		0.0	1%
9	180	3	Surface	Nickel	6.77E+01	0.0	0.6	0.0	0.7	34%
9	180	3	Surface	Silver	1.14E+01	0.0	0.4		0.4	23%
9	180	3	Surface	Totals		0.6	1.3	0.0	1.9	
9	180	3	Surface	Percent		33%	66%	0%		
9	180	4	Surface	Arsenic	1.15E+01	0.5	0.2	0.0	0.7	25%
9	180	4	Surface	Barium	2.13E+02	0.0	0.1	0.0	0.2	5%
9	180	4	Surface	Beryllium	1.60E+00	0.0	0.1	0.0	0.2	5%
9	180	4	Surface	Chromium	6.00E+01	0.0	0.0		0.0	1%
9	180	4	Surface	Iron	1.54E+04	0.3	0.2		0.5	17%
9	180	4	Surface	Manganese	7.09E+02	0.1	0.0	0.1	0.2	6%
9	180	4	Surface	Nickel	6.46E+01	0.0	0.6	0.0	0.6	22%
9	180	4	Surface	Silver	9.68E+00	0.0	0.3		0.4	13%
9	180	4	Surface	Total PAH	2.15E-02				0.0	0%
9	180	4	Surface	Vanadium	4.85E+01	0.1	0.0		0.2	6%
9	180	4	Surface	Totals		1.1	1.7	0.1	2.8	
9	180	4	Surface	Percent		37%	60%	3%		
9	181	1	Surface	Chromium	2.29E+01	0.0	0.0		0.0	1%
9	181	1	Surface	Thallium	3.50E+00	0.6	0.4		1.0	99%
9	181	1	Surface	Total PAH	3.43E-02				0.0	0%
9	181	1	Surface	Totals		0.6	0.4		1.0	
9	181	1	Surface	Percent		58%	42%			
9	195	1	Surface	Chromium	6.33E+01	0.0	0.0		0.0	3%
9	195	1	Surface	Nickel	7.02E+01	0.0	0.6	0.0	0.7	64%
9	195	1	Surface	Silver	9.37E+00	0.0	0.3		0.4	34%
9	195	1	Surface	Totals		0.1	1.0	0.0	1.1	
9	195	1	Surface	Percent		7%	93%	0%		
9	195	2	Surface	Chromium	4.52E+01	0.0	0.0		0.0	5%
9	195	2	Surface	Silver	9.48E+00	0.0	0.3		0.4	95%
9	195	2	Surface	Total PAH	2.68E-02				0.0	0%
9	195	2	Surface	Totals		0.0	0.4		0.4	
9	195	2	Surface	Percent		6%	94%			
9	195	3	Surface	Chromium	5.03E+01	0.0	0.0		0.0	4%
9	195	3	Surface	Nickel	5.22E+01	0.0	0.5	0.0	0.5	96%
9	195	3	Surface	Total PAH	4.06E-02				0.0	0%
9	195	3	Surface	Totals		0.0	0.5	0.0	0.5	
9	195	3	Surface	Percent		6%	93%	1%		
9	195	4	Surface	Chromium	5.29E+01	0.0	0.0		0.0	4%
9	195	4	Surface	Nickel	6.23E+01	0.0	0.6	0.0	0.6	96%
9	195	4	Surface	Totals		0.0	0.6	0.0	0.6	
9	195	4	Surface	Percent		6%	93%	1%		
9	195	5	Surface	Chromium	5.74E+01	0.0	0.0		0.0	3%
9	195	5	Surface	Nickel	8.11E+01	0.1	0.7	0.0	0.8	97%
9	195	5	Surface	Total PAH	2.40E-02				0.0	0%
9	195	5	Surface	Totals		0.1	0.8	0.0	0.8	
9	195	5	Surface	Percent		6%	93%	1%		
9	195	6	Surface	Chromium	4.45E+01	0.0	0.0		0.0	2%
9	195	6	Surface	Nickel	8.71E+01	0.1	0.8	0.0	0.8	98%
9	195	6	Surface	Total PAH	2.48E-01				0.0	0%
9	195	6	Surface	Totals		0.1	0.8	0.0	0.9	
9	195	6	Surface	Percent		7%	93%	1%		

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	195	7	Surface	Chromium	4.93E+01	0.0	0.0		0.0	7%
9	195	7	Surface	Silver	8.06E+00	0.0	0.3		0.3	93%
9	195	7	Surface	Totals		0.0	0.3		0.3	
9	195	7	Surface	Percent		6%	94%			
9	195	8	Surface	Arsenic	1.16E+01	0.5	0.2	0.0	0.7	24%
9	195	8	Surface	Beryllium	7.40E-01	0.0	0.1	0.0	0.1	2%
9	195	8	Surface	Chromium	6.79E+01	0.0	0.0		0.0	1%
9	195	8	Surface	Cobalt	1.82E+01	0.8	0.5	0.0	1.3	45%
9	195	8	Surface	Nickel	7.01E+01	0.0	0.6	0.0	0.7	23%
9	195	8	Surface	Total PAH	2.16E-01				0.0	0%
9	195	8	Surface	Vanadium	4.04E+01	0.1	0.0		0.1	5%
9	195	8	Surface	Totals		1.4	1.5	0.0	3.0	
9	195	8	Surface	Percent		48%	51%	1%		
9	195	9	Surface	Chromium	6.08E+01	0.0	0.0		0.0	4%
9	195	9	Surface	Nickel	7.93E+01	0.1	0.7	0.0	0.8	96%
9	195	9	Surface	Totals		0.1	0.7	0.0	0.8	
9	195	9	Surface	Percent		6%	93%	1%		
9	195	10	Surface	Chromium	4.51E+01	0.0	0.0		0.0	2%
9	195	10	Surface	Nickel	7.40E+01	0.0	0.7	0.0	0.7	58%
9	195	10	Surface	Silver	1.31E+01	0.0	0.5		0.5	41%
9	195	10	Surface	Totals		0.1	1.2	0.0	1.2	
9	195	10	Surface	Percent		7%	93%	0%		
9	195	11	Surface	Aluminum	2.81E+04	0.4	0.3	0.0	0.6	11%
9	195	11	Surface	Arsenic	1.35E+01	0.6	0.2	0.0	0.8	15%
9	195	11	Surface	Barium	4.53E+02	0.0	0.3	0.0	0.3	6%
9	195	11	Surface	Chromium	5.05E+01	0.0	0.0		0.0	0%
9	195	11	Surface	Cobalt	2.77E+01	1.2	0.8	0.0	2.0	37%
9	195	11	Surface	Iron	1.97E+04	0.4	0.3		0.6	11%
9	195	11	Surface	Nickel	6.77E+01	0.0	0.6	0.0	0.7	12%
9	195	11	Surface	Thallium	6.60E-01	0.1	0.1		0.2	3%
9	195	11	Surface	Vanadium	7.97E+01	0.2	0.1		0.3	5%
9	195	11	Surface	Totals		2.9	2.6	0.1	5.6	
9	195	11	Surface	Percent		51%	47%	1%		
9	195	12	Surface	Beryllium	7.50E-01	0.0	0.1	0.0	0.1	10%
9	195	12	Surface	Chromium	7.04E+01	0.0	0.0		0.0	4%
9	195	12	Surface	Nickel	6.78E+01	0.0	0.6	0.0	0.7	86%
9	195	12	Surface	Totals		0.0	0.7	0.0	0.8	
9	195	12	Surface	Percent		6%	93%	1%		
9	195	13	Surface	Chromium	6.55E+01	0.0	0.0		0.0	4%
9	195	13	Surface	Nickel	6.91E+01	0.0	0.6	0.0	0.7	96%
9	195	13	Surface	Totals		0.0	0.6	0.0	0.7	
9	195	13	Surface	Percent		6%	93%	1%		
9	195	14	Surface	Chromium	5.94E+01	0.0	0.0		0.0	4%
9	195	14	Surface	Nickel	7.04E+01	0.0	0.6	0.0	0.7	96%
9	195	14	Surface	Totals		0.0	0.7	0.0	0.7	
9	195	14	Surface	Percent		6%	93%	1%		
9	195	15	Surface	Chromium	4.82E+01	0.0	0.0		0.0	100%
9	195	15	Surface	Totals		0.0	0.0		0.0	
9	195	15	Surface	Percent		2%	98%			
9	195	16	Surface	Chromium	4.45E+01	0.0	0.0		0.0	3%
9	195	16	Surface	Nickel	8.16E+01	0.1	0.7	0.0	0.8	97%
9	195	16	Surface	Totals		0.1	0.8	0.0	0.8	
9	195	16	Surface	Percent		7%	93%	1%		
9	195	17	Surface	Chromium	8.22E+01	0.0	0.0		0.0	3%
9	195	17	Surface	Mercury	4.17E-01	0.0	0.2		0.2	15%
9	195	17	Surface	Nickel	5.93E+01	0.0	0.5	0.0	0.6	43%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	195	17	Surface	PCB, Total	7.40E-01				0.0	0%
9	195	17	Surface	Silver	1.01E+01	0.0	0.4		0.4	29%
9	195	17	Surface	Thallium	5.40E-01	0.1	0.1		0.1	11%
9	195	17	Surface	Total PAH	3.16E-01				0.0	0%
9	195	17	Surface	Totals		0.2	1.2	0.0	1.3	
9	195	17	Surface	Percent		13%	87%	0%		
9	492	1	Surface	Arsenic	1.47E+01	0.6	0.3	0.0	0.9	6%
9	492	1	Surface	Beryllium	1.04E+01	0.1	0.9	0.0	1.0	6%
9	492	1	Surface	Cadmium	3.14E+00	0.0	0.0	0.0	0.1	0%
9	492	1	Surface	Chromium	1.04E+03	0.0	0.5		0.5	3%
9	492	1	Surface	PCB, Total	4.41E+01				0.0	0%
9	492	1	Surface	Uranium	1.77E+03	7.5	5.3	0.0	12.9	83%
9	492	1	Surface	Vanadium	4.32E+01	0.1	0.0		0.2	1%
9	492	1	Surface	Totals		8.4	7.0	0.0	15.4	
9	492	1	Surface	Percent		54%	45%	0%		
9	493	1	Surface	Aluminum	1.44E+04	0.2	0.1	0.0	0.3	5%
9	493	1	Surface	Barium	4.04E+02	0.0	0.3	0.0	0.3	4%
9	493	1	Surface	Beryllium	9.91E-01	0.0	0.1	0.0	0.1	1%
9	493	1	Surface	Chromium	6.61E+01	0.0	0.0		0.0	0%
9	493	1	Surface	Cobalt	3.79E+01	1.6	1.1	0.0	2.8	42%
9	493	1	Surface	Manganese	3.55E+03	0.3	0.2	0.3	0.8	13%
9	493	1	Surface	Mercury	2.60E-01	0.0	0.1		0.1	2%
9	493	1	Surface	Nickel	2.13E+02	0.1	1.9	0.0	2.1	31%
9	493	1	Surface	PCB, Total	2.60E-01				0.0	0%
9	493	1	Surface	Total PAH	5.00E-01				0.0	0%
9	493	1	Surface	Vanadium	4.05E+01	0.1	0.0		0.1	2%
9	493	1	Surface	Totals		2.4	3.9	0.4	6.7	
9	493	1	Surface	Percent		36%	58%	6%		
9	517	1	Surface	Beryllium	7.39E-01	0.0	0.1	0.0	0.1	4%
9	517	1	Surface	Chromium	4.91E+01	0.0	0.0		0.0	1%
9	517	1	Surface	Nickel	1.72E+02	0.1	1.5	0.0	1.7	95%
9	517	1	Surface	PCB, Total	5.00E-01				0.0	0%
9	517	1	Surface	Totals		0.1	1.6	0.0	1.8	
9	517	1	Surface	Percent		7%	93%	1%		
9	541	1	Surface	Aluminum	1.43E+04	0.2	0.1	0.0	0.3	1%
9	541	1	Surface	Barium	1.28E+02	0.0	0.1	0.0	0.1	0%
9	541	1	Surface	Beryllium	6.98E-01	0.0	0.1	0.0	0.1	0%
9	541	1	Surface	Cadmium	1.68E+00	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Chromium	8.24E+02	0.0	0.4		0.4	1%
9	541	1	Surface	Iron	1.60E+04	0.3	0.2		0.5	1%
9	541	1	Surface	Mercury	9.81E-02	0.0	0.0		0.0	0%
9	541	1	Surface	Naphthalene	6.55E-01	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Nickel	1.52E+01	0.0	0.1	0.0	0.1	0%
9	541	1	Surface	PCB, Total	6.06E+01				0.0	0%
9	541	1	Surface	Total PAH	2.33E+00				0.0	0%
9	541	1	Surface	Uranium	6.38E+03	27.2	19.0	0.1	46.3	96%
9	541	1	Surface	Vanadium	3.04E+01	0.1	0.0		0.1	0%
9	541	1	Surface	Totals		27.8	20.1	0.2	48.1	
9	541	1	Surface	Percent		58%	42%	0%		
9	561	1	Surface	Antimony	9.36E-01	0.0	0.1		0.2	3%
9	561	1	Surface	Arsenic	1.66E+01	0.7	0.3	0.0	1.0	19%
9	561	1	Surface	Barium	1.40E+02	0.0	0.1	0.0	0.1	2%
9	561	1	Surface	Beryllium	6.85E-01	0.0	0.1	0.0	0.1	1%
9	561	1	Surface	Chromium	8.58E+01	0.0	0.0		0.0	1%
9	561	1	Surface	Cobalt	1.07E+01	0.5	0.3	0.0	0.8	15%
9	561	1	Surface	Iron	2.05E+04	0.4	0.3		0.6	12%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	561	1	Surface	Manganese	1.61E+03	0.1	0.1	0.2	0.4	7%
9	561	1	Surface	PCB, Total	1.04E+00				0.0	0%
9	561	1	Surface	Thallium	3.33E-01	0.1	0.0		0.1	2%
9	561	1	Surface	Total PAH	3.94E-01				0.0	0%
9	561	1	Surface	Uranium	2.65E+02	1.1	0.8	0.0	1.9	36%
9	561	1	Surface	Vanadium	3.76E+01	0.1	0.0		0.1	2%
9	561	1	Surface	Totals		3.0	2.2	0.2	5.3	
9	561	1	Surface	Percent		56%	40%	3%		
9	561	2	Surface	Antimony	5.33E+00	0.2	0.8		1.0	7%
9	561	2	Surface	Arsenic	1.30E+01	0.6	0.2	0.0	0.8	6%
9	561	2	Surface	Beryllium	6.34E-01	0.0	0.1	0.0	0.1	0%
9	561	2	Surface	Cadmium	4.13E-01	0.0	0.0	0.0	0.0	0%
9	561	2	Surface	Chromium	2.88E+02	0.0	0.1		0.1	1%
9	561	2	Surface	Cobalt	1.14E+01	0.5	0.3	0.0	0.8	6%
9	561	2	Surface	Manganese	1.12E+03	0.1	0.1	0.1	0.3	2%
9	561	2	Surface	PCB, Total	1.64E+01				0.0	0%
9	561	2	Surface	Thallium	4.09E-01	0.1	0.0		0.1	1%
9	561	2	Surface	Total PAH	2.43E+00				0.0	0%
9	561	2	Surface	Uranium	1.38E+03	5.9	4.1	0.0	10.0	75%
9	561	2	Surface	Vanadium	3.46E+01	0.1	0.0		0.1	1%
9	561	2	Surface	Totals		7.4	5.8	0.1	13.3	
9	561	2	Surface	Percent		55%	44%	1%		
9	562	1	Surface	Uranium	8.73E+01	0.4	0.3	0.0	0.6	100%
9	562	1	Surface	Totals		0.4	0.3	0.0	0.6	
9	562	1	Surface	Percent		59%	41%	0%		
9	562	2	Surface	PCB, Total	1.58E+00				0.0	
9	562	2	Surface	Totals					0.0	
9	562	2	Surface	Percent						
9	562	3	Surface	Chromium	3.82E+01	0.0	0.0		0.0	4%
9	562	3	Surface	PCB, Total	2.40E-01				0.0	0%
9	562	3	Surface	Total PAH	2.20E-01				0.0	0%
9	562	3	Surface	Uranium	5.89E+01	0.3	0.2	0.0	0.4	96%
9	562	3	Surface	Totals		0.3	0.2	0.0	0.4	
9	562	3	Surface	Percent		56%	43%	0%		
9	562	4	Surface	Chromium	4.67E+01	0.0	0.0		0.0	13%
9	562	4	Surface	Uranium	2.10E+01	0.1	0.1	0.0	0.2	87%
9	562	4	Surface	Totals		0.1	0.1	0.0	0.2	
9	562	4	Surface	Percent		52%	48%	0%		
9	562	5	Surface	Chromium	1.53E+02	0.0	0.1		0.1	5%
9	562	5	Surface	PCB, Total	9.50E-01				0.0	0%
9	562	5	Surface	Total PAH	7.05E-02				0.0	0%
9	562	5	Surface	Uranium	2.08E+02	0.9	0.6	0.0	1.5	95%
9	562	5	Surface	Totals		0.9	0.7	0.0	1.6	
9	562	5	Surface	Percent		56%	44%	0%		
9	563	1	Surface	Cadmium	8.96E-01	0.0	0.0	0.0	0.0	7%
9	563	1	Surface	Chromium	2.85E+02	0.0	0.1		0.1	51%
9	563	1	Surface	PCB, Total	7.40E-01				0.0	0%
9	563	1	Surface	Uranium	1.51E+01	0.1	0.0	0.0	0.1	42%
9	563	1	Surface	Totals		0.1	0.2	0.0	0.3	
9	563	1	Surface	Percent		30%	70%	0%		
9	564	1	Surface	Arsenic	4.30E+01	1.8	0.8	0.0	2.6	46%
9	564	1	Surface	Beryllium	2.12E+00	0.0	0.2	0.0	0.2	4%
9	564	1	Surface	Cadmium	1.96E+00	0.0	0.0	0.0	0.0	1%
9	564	1	Surface	Chromium	7.49E+01	0.0	0.0		0.0	1%
9	564	1	Surface	Iron	3.66E+04	0.7	0.5		1.1	20%
9	564	1	Surface	Mercury	2.30E-01	0.0	0.1		0.1	2%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	564	1	Surface	Nickel	2.24E+01	0.0	0.2	0.0	0.2	4%
9	564	1	Surface	PCB, Total	1.93E+00				0.0	0%
9	564	1	Surface	Thallium	2.36E+00	0.4	0.3		0.6	11%
9	564	1	Surface	Uranium	5.83E+01	0.2	0.2	0.0	0.4	7%
9	564	1	Surface	Vanadium	8.06E+01	0.2	0.1		0.3	5%
9	564	1	Surface	Totals		3.4	2.3	0.0	5.7	
9	564	1	Surface	Percent		60%	40%	0%		
9	567	3	Surface	Chromium	3.79E+01	0.0	0.0		0.0	100%
9	567	3	Surface	Totals		0.0	0.0		0.0	
9	567	3	Surface	Percent		2%	98%			
9	567	4	Surface	Aluminum	1.25E+04	0.2	0.1	0.0	0.3	97%
9	567	4	Surface	Chromium	1.63E+01	0.0	0.0		0.0	3%
9	567	4	Surface	Totals		0.2	0.1	0.0	0.3	
9	567	4	Surface	Percent		55%	41%	4%		
10	14	1	Surface	Arsenic	1.10E+01	0.5	0.2	0.0	0.7	18%
10	14	1	Surface	Chromium	6.36E+01	0.0	0.0		0.0	1%
10	14	1	Surface	Iron	1.89E+04	0.3	0.2		0.6	15%
10	14	1	Surface	Nickel	1.40E+02	0.1	1.3	0.0	1.3	36%
10	14	1	Surface	PCB, Total	5.00E-01				0.0	0%
10	14	1	Surface	Silver	1.67E+01	0.0	0.6		0.6	17%
10	14	1	Surface	Uranium	7.21E+01	0.3	0.2	0.0	0.5	14%
10	14	1	Surface	Totals		1.3	2.5	0.0	3.8	
10	14	1	Surface	Percent		33%	67%	0%		
10	14	2	Surface	Antimony	3.70E+00	0.1	0.6		0.7	6%
10	14	2	Surface	Arsenic	1.45E+01	0.6	0.3	0.0	0.9	7%
10	14	2	Surface	Beryllium	7.10E-01	0.0	0.1	0.0	0.1	1%
10	14	2	Surface	Chromium	6.65E+01	0.0	0.0		0.0	0%
10	14	2	Surface	Copper	1.76E+02	0.1	0.0		0.1	1%
10	14	2	Surface	Iron	3.72E+04	0.7	0.5		1.2	10%
10	14	2	Surface	Manganese	1.44E+03	0.1	0.1	0.1	0.3	3%
10	14	2	Surface	Mercury	2.67E-01	0.0	0.1		0.1	1%
10	14	2	Surface	Nickel	6.78E+02	0.4	6.1	0.0	6.5	54%
10	14	2	Surface	PCB, Total	3.90E-01				0.0	0%
10	14	2	Surface	Total PAH	3.38E-01				0.0	0%
10	14	2	Surface	Uranium	2.93E+02	1.2	0.9	0.0	2.1	18%
10	14	2	Surface	Totals		3.3	8.6	0.2	12.0	
10	14	2	Surface	Percent		27%	71%	2%		
10	14	3	Surface	Arsenic	1.30E+01	0.6	0.2	0.0	0.8	6%
10	14	3	Surface	Chromium	7.01E+01	0.0	0.0		0.0	0%
10	14	3	Surface	Copper	1.29E+02	0.0	0.0		0.1	1%
10	14	3	Surface	Iron	3.48E+04	0.6	0.4		1.1	8%
10	14	3	Surface	Manganese	1.06E+03	0.1	0.1	0.1	0.3	2%
10	14	3	Surface	Mercury	7.48E+00	0.3	3.2		3.5	27%
10	14	3	Surface	Molybdenum	2.21E+01	0.1	0.0		0.1	1%
10	14	3	Surface	Nickel	5.76E+02	0.4	5.2	0.0	5.6	43%
10	14	3	Surface	PCB, Total	8.65E+00				0.0	0%
10	14	3	Surface	Uranium	2.18E+02	0.9	0.6	0.0	1.6	12%
10	14	3	Surface	Totals		3.0	9.8	0.1	13.0	
10	14	3	Surface	Percent		23%	76%	1%		
10	14	4	Surface	Antimony	4.30E+00	0.1	0.6		0.8	6%
10	14	4	Surface	Arsenic	1.33E+01	0.6	0.2	0.0	0.8	6%
10	14	4	Surface	Chromium	7.20E+01	0.0	0.0		0.0	0%
10	14	4	Surface	Copper	3.54E+02	0.1	0.1		0.2	1%
10	14	4	Surface	Iron	3.88E+04	0.7	0.5		1.2	9%
10	14	4	Surface	Mercury	4.87E-01	0.0	0.2		0.2	2%
10	14	4	Surface	Nickel	7.31E+02	0.5	6.5	0.0	7.0	52%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	4	Surface	PCB, Total	6.61E+00				0.0	0%
10	14	4	Surface	Silver	1.17E+01	0.0	0.4		0.4	3%
10	14	4	Surface	Total PAH	2.51E-01				0.0	0%
10	14	4	Surface	Uranium	3.72E+02	1.6	1.1	0.0	2.7	20%
10	14	4	Surface	Totals		3.6	9.8	0.0	13.4	
10	14	4	Surface	Percent		27%	73%	0%		
10	14	5	Surface	Antimony	2.30E+00	0.1	0.3		0.4	3%
10	14	5	Surface	Arsenic	1.31E+01	0.6	0.2	0.0	0.8	5%
10	14	5	Surface	Cadmium	3.90E+00	0.0	0.0	0.0	0.1	1%
10	14	5	Surface	Chromium	4.70E+01	0.0	0.0		0.0	0%
10	14	5	Surface	Cobalt	1.40E+01	0.6	0.4	0.0	1.0	6%
10	14	5	Surface	Copper	1.34E+02	0.0	0.0		0.1	0%
10	14	5	Surface	Iron	3.92E+04	0.7	0.5		1.2	8%
10	14	5	Surface	Manganese	8.28E+02	0.1	0.0	0.1	0.2	1%
10	14	5	Surface	Mercury	1.09E+01	0.5	4.7		5.1	32%
10	14	5	Surface	Nickel	4.61E+02	0.3	4.1	0.0	4.4	28%
10	14	5	Surface	PCB, Total	1.00E+00				0.0	0%
10	14	5	Surface	Silver	1.29E+01	0.0	0.5		0.5	3%
10	14	5	Surface	Thallium	4.10E-01	0.1	0.0		0.1	1%
10	14	5	Surface	Total PAH	1.21E-01				0.0	0%
10	14	5	Surface	Uranium	2.62E+02	1.1	0.8	0.0	1.9	12%
10	14	5	Surface	Totals		4.1	11.7	0.1	15.9	
10	14	5	Surface	Percent		26%	74%	1%		
10	14	6	Surface	Antimony	2.70E+00	0.1	0.4		0.5	3%
10	14	6	Surface	Cadmium	8.40E-01	0.0	0.0	0.0	0.0	0%
10	14	6	Surface	Chromium	4.46E+02	0.0	0.2		0.2	1%
10	14	6	Surface	Copper	1.22E+02	0.0	0.0		0.1	0%
10	14	6	Surface	Mercury	3.47E-01	0.0	0.1		0.2	1%
10	14	6	Surface	Nickel	9.63E+02	0.6	8.6	0.1	9.3	62%
10	14	6	Surface	PCB, Total	5.00E+00				0.0	0%
10	14	6	Surface	Silver	1.19E+01	0.0	0.4		0.5	3%
10	14	6	Surface	Uranium	5.79E+02	2.5	1.7	0.0	4.2	28%
10	14	6	Surface	Totals		3.3	11.6	0.1	14.9	
10	14	6	Surface	Percent		22%	78%	0%		
10	14	7	Surface	Antimony	7.50E-01	0.0	0.1		0.1	1%
10	14	7	Surface	Arsenic	1.13E+01	0.5	0.2	0.0	0.7	4%
10	14	7	Surface	Cadmium	2.70E+00	0.0	0.0	0.0	0.1	0%
10	14	7	Surface	Chromium	6.46E+01	0.0	0.0		0.0	0%
10	14	7	Surface	Mercury	7.82E+00	0.3	3.3		3.7	20%
10	14	7	Surface	Nickel	1.22E+03	0.8	10.9	0.1	11.8	63%
10	14	7	Surface	PCB, Total	7.60E+00				0.0	0%
10	14	7	Surface	Total PAH	6.31E-02				0.0	0%
10	14	7	Surface	Uranium	3.33E+02	1.4	1.0	0.0	2.4	13%
10	14	7	Surface	Totals		3.1	15.6	0.1	18.8	
10	14	7	Surface	Percent		16%	83%	0%		
10	14	8	Surface	Antimony	6.10E-01	0.0	0.1		0.1	1%
10	14	8	Surface	Arsenic	1.14E+01	0.5	0.2	0.0	0.7	5%
10	14	8	Surface	Chromium	4.60E+01	0.0	0.0		0.0	0%
10	14	8	Surface	Mercury	7.90E+00	0.3	3.4		3.7	27%
10	14	8	Surface	Nickel	6.73E+02	0.4	6.0	0.0	6.5	47%
10	14	8	Surface	PCB, Total	5.00E+00				0.0	0%
10	14	8	Surface	Silver	9.63E+00	0.0	0.3		0.4	3%
10	14	8	Surface	Total PAH	6.28E-02				0.0	0%
10	14	8	Surface	Uranium	3.35E+02	1.4	1.0	0.0	2.4	18%
10	14	8	Surface	Totals		2.7	11.0	0.0	13.8	
10	14	8	Surface	Percent		20%	80%	0%		

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	9	Surface	Antimony	2.00E+00	0.1	0.3		0.4	2%
10	14	9	Surface	Arsenic	1.40E+01	0.6	0.3	0.0	0.9	4%
10	14	9	Surface	Cadmium	9.40E-01	0.0	0.0	0.0	0.0	0%
10	14	9	Surface	Chromium	4.64E+01	0.0	0.0		0.0	0%
10	14	9	Surface	Mercury	1.13E+00	0.0	0.5		0.5	2%
10	14	9	Surface	Nickel	9.43E+02	0.6	8.4	0.1	9.1	42%
10	14	9	Surface	PCB, Total	6.84E+00				0.0	0%
10	14	9	Surface	Total PAH	4.87E-01				0.0	0%
10	14	9	Surface	Uranium	1.46E+03	6.2	4.4	0.0	10.6	49%
10	14	9	Surface	Totals		7.6	13.9	0.1	21.5	
10	14	9	Surface	Percent		35%	64%	0%		
10	14	10	Surface	Antimony	9.40E-01	0.0	0.1		0.2	1%
10	14	10	Surface	Arsenic	1.12E+01	0.5	0.2	0.0	0.7	3%
10	14	10	Surface	Chromium	4.19E+01	0.0	0.0		0.0	0%
10	14	10	Surface	Copper	1.41E+02	0.0	0.0		0.1	0%
10	14	10	Surface	Iron	2.75E+04	0.5	0.4		0.9	4%
10	14	10	Surface	Mercury	2.51E+01	1.1	10.7		11.8	55%
10	14	10	Surface	Nickel	6.00E+02	0.4	5.4	0.0	5.8	27%
10	14	10	Surface	PCB, Total	9.38E+00				0.0	0%
10	14	10	Surface	Total PAH	2.72E-01				0.0	0%
10	14	10	Surface	Uranium	2.88E+02	1.2	0.9	0.0	2.1	10%
10	14	10	Surface	Totals		3.7	17.7	0.0	21.4	
10	14	10	Surface	Percent		17%	82%	0%		
10	518	1	Surface	Carbazole	1.17E+01				0.0	0%
10	518	1	Surface	Cobalt	6.80E+00	0.3	0.2	0.0	0.5	22%
10	518	1	Surface	Nickel	1.29E+01	0.0	0.1	0.0	0.1	6%
10	518	1	Surface	PCB, Total	6.30E-01				0.0	0%
10	518	1	Surface	Pyrene	3.94E+01	0.0	0.0	0.0	0.0	2%
10	518	1	Surface	Total PAH	3.90E+01				0.0	0%
10	518	1	Surface	Uranium	2.17E+02	0.9	0.6	0.0	1.6	70%
10	518	1	Surface	Totals		1.2	1.0	0.0	2.2	
10	518	1	Surface	Percent		55%	44%	0%		
10	520	1	Surface	Chromium	3.17E+01	0.0	0.0		0.0	0%
10	520	1	Surface	Iron	1.56E+04	0.3	0.2		0.5	6%
10	520	1	Surface	Mercury	1.07E+01	0.5	4.6		5.0	58%
10	520	1	Surface	Nickel	2.60E+02	0.2	2.3	0.0	2.5	29%
10	520	1	Surface	Silver	1.30E+01	0.0	0.5		0.5	6%
10	520	1	Surface	Total PAH	3.18E-02				0.0	0%
10	520	1	Surface	Uranium	2.29E+01	0.1	0.1	0.0	0.2	2%
10	520	1	Surface	Totals		1.0	7.6	0.0	8.7	
10	520	1	Surface	Percent		12%	88%	0%		
10	520	2	Surface	Beryllium	5.79E-01	0.0	0.1	0.0	0.1	1%
10	520	2	Surface	Chromium	6.67E+01	0.0	0.0		0.0	0%
10	520	2	Surface	Manganese	5.89E+02	0.1	0.0	0.1	0.1	2%
10	520	2	Surface	Mercury	1.19E+01	0.5	5.1		5.6	61%
10	520	2	Surface	Nickel	3.11E+02	0.2	2.8	0.0	3.0	33%
10	520	2	Surface	Total PAH	3.17E-01				0.0	0%
10	520	2	Surface	Uranium	3.96E+01	0.2	0.1	0.0	0.3	3%
10	520	2	Surface	Totals		0.9	8.1	0.1	9.1	
10	520	2	Surface	Percent		10%	89%	1%		
10	520	3	Surface	Chromium	3.97E+01	0.0	0.0		0.0	1%
10	520	3	Surface	Copper	1.19E+02	0.0	0.0		0.1	2%
10	520	3	Surface	Nickel	2.65E+02	0.2	2.4	0.0	2.6	78%
10	520	3	Surface	Silver	1.27E+01	0.0	0.5		0.5	15%
10	520	3	Surface	Total PAH	1.18E-01				0.0	0%
10	520	3	Surface	Uranium	1.92E+01	0.1	0.1	0.0	0.1	4%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	520	3	Surface	Totals		0.3	2.9	0.0	3.3	
10	520	3	Surface	Percent		10%	90%	0%		
10	520	4	Surface	Chromium	3.82E+01	0.0	0.0		0.0	0%
10	520	4	Surface	Copper	1.11E+02	0.0	0.0		0.1	1%
10	520	4	Surface	Mercury	9.69E+00	0.4	4.1		4.5	57%
10	520	4	Surface	Nickel	2.82E+02	0.2	2.5	0.0	2.7	34%
10	520	4	Surface	Silver	1.04E+01	0.0	0.4		0.4	5%
10	520	4	Surface	Total PAH	5.52E-01				0.0	0%
10	520	4	Surface	Uranium	2.40E+01	0.1	0.1	0.0	0.2	2%
10	520	4	Surface	Totals		0.8	7.1	0.0	7.9	
10	520	4	Surface	Percent		10%	90%	0%		
10	520	5	Surface	Antimony	9.60E-01	0.0	0.1		0.2	11%
10	520	5	Surface	Chromium	3.68E+01	0.0	0.0		0.0	1%
10	520	5	Surface	Nickel	1.47E+02	0.1	1.3	0.0	1.4	88%
10	520	5	Surface	Total PAH	3.87E-01				0.0	0%
10	520	5	Surface	Totals		0.1	1.5	0.0	1.6	
10	520	5	Surface	Percent		8%	92%	0%		
11	81	1	Surface	Aluminum	9.57E+03	0.1	0.1	0.0	0.2	0%
11	81	1	Surface	Arsenic	1.03E+01	0.4	0.2	0.0	0.6	1%
11	81	1	Surface	Beryllium	7.57E-01	0.0	0.1	0.0	0.1	0%
11	81	1	Surface	Chromium	8.62E+01	0.0	0.0		0.0	0%
11	81	1	Surface	Mercury	8.33E+00	0.4	3.6		3.9	7%
11	81	1	Surface	Nickel	7.29E+01	0.0	0.7	0.0	0.7	1%
11	81	1	Surface	PCB, Total	1.60E+02				0.0	0%
11	81	1	Surface	Silver	2.70E+00	0.0	0.1		0.1	0%
11	81	1	Surface	Total PAH	5.53E-01				0.0	0%
11	81	1	Surface	Uranium	6.50E+03	27.7	19.4	0.1	47.2	89%
11	81	1	Surface	Totals		28.7	24.1	0.1	52.9	
11	81	1	Surface	Percent		54%	46%	0%		
11	153	1	Surface	PCB, Total	5.09E-01				0.0	
11	153	1	Surface	Total PAH	8.69E-02				0.0	
11	153	1	Surface	Totals					0.0	
11	153	1	Surface	Percent						
11	156	1	Surface	Chromium	4.90E+01	0.0	0.0		0.0	0%
11	156	1	Surface	Manganese	2.83E+03	0.3	0.1	0.3	0.7	11%
11	156	1	Surface	Mercury	9.87E+00	0.4	4.2		4.6	76%
11	156	1	Surface	Nickel	6.16E+01	0.0	0.6	0.0	0.6	10%
11	156	1	Surface	PCB, Total	3.00E-01				0.0	0%
11	156	1	Surface	Total PAH	8.26E-02				0.0	0%
11	156	1	Surface	Uranium	2.32E+01	0.1	0.1	0.0	0.2	3%
11	156	1	Surface	Totals		0.8	5.0	0.3	6.1	
11	156	1	Surface	Percent		13%	82%	5%		
11	160	1	Surface	Antimony	6.80E-01	0.0	0.1		0.1	100%
11	160	1	Surface	Total PAH	5.29E-02				0.0	0%
11	160	1	Surface	Totals		0.0	0.1		0.1	
11	160	1	Surface	Percent		18%	82%			
11	163	1	Surface	Chromium	4.94E+01	0.0	0.0		0.0	100%
11	163	1	Surface	Total PAH	1.63E-01				0.0	0%
11	163	1	Surface	Totals		0.0	0.0		0.0	
11	163	1	Surface	Percent		2%	98%			
11	219	1	Surface	Nickel	6.71E+01	0.0	0.6	0.0	0.6	100%
11	219	1	Surface	Total PAH	7.50E-02				0.0	0%
11	219	1	Surface	Totals		0.0	0.6	0.0	0.6	
11	219	1	Surface	Percent		7%	93%	1%		
11	488	1	Surface	PCB, Total	1.03E+01				0.0	0%
11	488	1	Surface	Total PAH	2.50E-01				0.0	0%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.27. HIs for the Child Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
11	488	1	Surface	Uranium	1.48E+01	0.1	0.0	0.0	0.1	100%
11	488	1	Surface	Totals		0.1	0.0	0.0	0.1	
11	488	1	Surface	Percent		59%	41%	0%		

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	1	1	Surface	Beryllium	3.89E+00	0.0	0.2	0.0	0.2	95%
5	1	1	Surface	Cadmium	1.10E+00	0.0	0.0	0.0	0.0	3%
5	1	1	Surface	Chromium	1.28E+01	0.0	0.0		0.0	2%
5	1	1	Surface	PCB, Total	1.76E-01				0.0	0%
5	1	1	Surface	Totals		0.0	0.2	0.0	0.2	
5	1	1	Surface	Percent		3%	97%	0%		
5	1	2	Surface	Beryllium	8.23E+00	0.0	0.3	0.0	0.3	14%
5	1	2	Surface	Cadmium	6.46E+00	0.0	0.0	0.0	0.0	1%
5	1	2	Surface	Chromium	2.01E+02	0.0	0.0		0.0	2%
5	1	2	Surface	Copper	1.81E+02	0.0	0.0		0.0	1%
5	1	2	Surface	Mercury	5.94E+00	0.0	1.1		1.1	48%
5	1	2	Surface	Nickel	5.75E+01	0.0	0.2	0.0	0.2	10%
5	1	2	Surface	PCB, Total	3.21E+01				0.0	0%
5	1	2	Surface	Silver	3.31E+01	0.0	0.5		0.5	22%
5	1	2	Surface	Thallium	3.70E-01	0.0	0.0		0.0	1%
5	1	2	Surface	Vanadium	3.49E+01	0.0	0.0		0.0	1%
5	1	2	Surface	Totals		0.1	2.3	0.0	2.4	
5	1	2	Surface	Percent		3%	97%	0%		
5	1	3	Surface	Chromium	1.45E+01	0.0	0.0		0.0	100%
5	1	3	Surface	PCB, Total	2.17E-01				0.0	0%
5	1	3	Surface	Totals		0.0	0.0		0.0	
5	1	3	Surface	Percent		0%	100%			
5	1	4	Surface	Beryllium	7.25E-01	0.0	0.0	0.0	0.0	12%
5	1	4	Surface	Chromium	9.30E+01	0.0	0.0		0.0	8%
5	1	4	Surface	Nickel	4.69E+01	0.0	0.2	0.0	0.2	80%
5	1	4	Surface	PCB, Total	1.30E-01				0.0	0%
5	1	4	Surface	Totals		0.0	0.2	0.0	0.2	
5	1	4	Surface	Percent		2%	98%	0%		
5	1	5	Surface	Beryllium	8.30E+00	0.0	0.3	0.0	0.3	66%
5	1	5	Surface	Cadmium	1.20E+00	0.0	0.0	0.0	0.0	1%
5	1	5	Surface	Nickel	4.07E+01	0.0	0.2	0.0	0.2	33%
5	1	5	Surface	PCB, Total	2.70E-01				0.0	0%
5	1	5	Surface	Total PAH	9.83E-02				0.0	0%
5	1	5	Surface	Totals		0.0	0.5	0.0	0.5	
5	1	5	Surface	Percent		2%	98%	0%		
5	99	1	Surface	Chromium	5.51E+01	0.0	0.0		0.0	0%
5	99	1	Surface	Mercury	9.53E+00	0.0	1.8		1.8	80%
5	99	1	Surface	Nickel	7.02E+01	0.0	0.3	0.0	0.3	12%
5	99	1	Surface	Silver	1.03E+01	0.0	0.2		0.2	7%
5	99	1	Surface	Totals		0.1	2.2	0.0	2.3	
5	99	1	Surface	Percent		2%	98%	0%		
5	194	1	Surface	Antimony	1.50E+00	0.0	0.1		0.1	6%
5	194	1	Surface	Chromium	3.87E+01	0.0	0.0		0.0	0%
5	194	1	Surface	Mercury	6.71E+00	0.0	1.2		1.3	71%
5	194	1	Surface	Nickel	5.84E+01	0.0	0.2	0.0	0.2	13%
5	194	1	Surface	Silver	1.09E+01	0.0	0.2		0.2	10%
5	194	1	Surface	Totals		0.0	1.8	0.0	1.8	
5	194	1	Surface	Percent		2%	98%	0%		
5	194	2	Surface	Chromium	5.96E+01	0.0	0.0		0.0	5%
5	194	2	Surface	Silver	1.31E+01	0.0	0.2		0.2	80%
5	194	2	Surface	Uranium	2.28E+01	0.0	0.0	0.0	0.0	15%
5	194	2	Surface	Totals		0.0	0.2	0.0	0.3	
5	194	2	Surface	Percent		5%	95%	0%		
5	194	3	Surface	Antimony	6.90E-01	0.0	0.0		0.0	10%
5	194	3	Surface	Arsenic	1.46E+01	0.1	0.1	0.0	0.2	37%
5	194	3	Surface	Chromium	3.90E+01	0.0	0.0		0.0	2%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	3	Surface	Nickel	6.40E+01	0.0	0.3	0.0	0.3	52%
5	194	3	Surface	Total PAH	3.93E-02				0.0	0%
5	194	3	Surface	Totals		0.1	0.4	0.0	0.5	
5	194	3	Surface	Percent		15%	85%	0%		
5	194	4	Surface	Chromium	4.84E+01	0.0	0.0		0.0	0%
5	194	4	Surface	Mercury	8.92E+00	0.0	1.7		1.7	78%
5	194	4	Surface	Nickel	6.91E+01	0.0	0.3	0.0	0.3	13%
5	194	4	Surface	Silver	1.18E+01	0.0	0.2		0.2	9%
5	194	4	Surface	Total PAH	7.30E-02				0.0	0%
5	194	4	Surface	Totals		0.0	2.1	0.0	2.2	
5	194	4	Surface	Percent		2%	98%	0%		
5	194	5	Surface	Chromium	4.58E+01	0.0	0.0		0.0	0%
5	194	5	Surface	Mercury	8.69E+00	0.0	1.6		1.7	77%
5	194	5	Surface	Nickel	7.54E+01	0.0	0.3	0.0	0.3	14%
5	194	5	Surface	Silver	1.25E+01	0.0	0.2		0.2	9%
5	194	5	Surface	Total PAH	2.37E-02				0.0	0%
5	194	5	Surface	Totals		0.0	2.1	0.0	2.2	
5	194	5	Surface	Percent		2%	98%	0%		
5	194	6	Surface	Chromium	3.70E+01	0.0	0.0		0.0	1%
5	194	6	Surface	Manganese	1.08E+03	0.0	0.0	0.0	0.1	10%
5	194	6	Surface	Nickel	8.06E+01	0.0	0.3	0.0	0.3	59%
5	194	6	Surface	Silver	9.89E+00	0.0	0.2		0.2	29%
5	194	6	Surface	Totals		0.0	0.5	0.0	0.5	
5	194	6	Surface	Percent		3%	92%	4%		
5	194	7	Surface	Chromium	5.32E+01	0.0	0.0		0.0	2%
5	194	7	Surface	Nickel	7.71E+01	0.0	0.3	0.0	0.3	59%
5	194	7	Surface	Silver	1.25E+01	0.0	0.2		0.2	38%
5	194	7	Surface	Totals		0.0	0.5	0.0	0.5	
5	194	7	Surface	Percent		2%	98%	0%		
5	194	8	Surface	Bis(2-ethylhexyl)phthalate	1.50E+01	0.0	0.0		0.0	12%
5	194	8	Surface	Chromium	5.36E+01	0.0	0.0		0.0	18%
5	194	8	Surface	Manganese	8.00E+02	0.0	0.0	0.0	0.0	70%
5	194	8	Surface	Total PAH	4.85E-01				0.0	0%
5	194	8	Surface	Totals		0.0	0.0	0.0	0.1	
5	194	8	Surface	Percent		15%	58%	28%		
5	194	9	Surface	Arsenic	1.14E+01	0.1	0.1	0.0	0.1	93%
5	194	9	Surface	Chromium	5.17E+01	0.0	0.0		0.0	7%
5	194	9	Surface	Totals		0.1	0.1	0.0	0.2	
5	194	9	Surface	Percent		34%	65%	1%		
5	194	10	Surface	Arsenic	1.22E+01	0.1	0.1	0.0	0.2	33%
5	194	10	Surface	Chromium	3.63E+01	0.0	0.0		0.0	2%
5	194	10	Surface	Nickel	7.60E+01	0.0	0.3	0.0	0.3	66%
5	194	10	Surface	Total PAH	2.57E-01				0.0	0%
5	194	10	Surface	Totals		0.1	0.4	0.0	0.5	
5	194	10	Surface	Percent		13%	86%	0%		
5	194	11	Surface	Chromium	3.27E+01	0.0	0.0		0.0	0%
5	194	11	Surface	Mercury	8.09E+00	0.0	1.5		1.5	71%
5	194	11	Surface	Nickel	1.01E+02	0.0	0.4	0.0	0.4	19%
5	194	11	Surface	PCB, Total	8.40E-02				0.0	0%
5	194	11	Surface	Silver	1.33E+01	0.0	0.2		0.2	10%
5	194	11	Surface	Total PAH	7.95E-02				0.0	0%
5	194	11	Surface	Totals		0.0	2.1	0.0	2.2	
5	194	11	Surface	Percent		2%	98%	0%		
5	194	12	Surface	Chromium	6.34E+01	0.0	0.0		0.0	2%
5	194	12	Surface	Nickel	7.86E+01	0.0	0.3	0.0	0.3	61%
5	194	12	Surface	Silver	1.20E+01	0.0	0.2		0.2	37%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	12	Surface	Total PAH	8.91E-01				0.0	0%
5	194	12	Surface	Totals		0.0	0.5	0.0	0.5	
5	194	12	Surface	Percent		2%	98%	0%		
5	194	13	Surface	Chromium	4.77E+01	0.0	0.0		0.0	4%
5	194	13	Surface	Nickel	6.03E+01	0.0	0.2	0.0	0.2	96%
5	194	13	Surface	Total PAH	9.13E-02				0.0	0%
5	194	13	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	13	Surface	Percent		2%	98%	0%		
5	194	14	Surface	Chromium	5.21E+01	0.0	0.0		0.0	1%
5	194	14	Surface	Mercury	8.14E+00	0.0	1.5		1.6	99%
5	194	14	Surface	Totals		0.0	1.5		1.6	
5	194	14	Surface	Percent		2%	98%			
5	194	15	Surface	Chromium	5.33E+01	0.0	0.0		0.0	6%
5	194	15	Surface	Silver	1.03E+01	0.0	0.2		0.2	94%
5	194	15	Surface	Totals		0.0	0.2		0.2	
5	194	15	Surface	Percent		2%	98%			
5	194	16	Surface	Antimony	7.40E-01	0.0	0.0		0.1	9%
5	194	16	Surface	Arsenic	1.15E+01	0.1	0.1	0.0	0.1	24%
5	194	16	Surface	Beryllium	8.70E-01	0.0	0.0	0.0	0.0	6%
5	194	16	Surface	Chromium	5.32E+01	0.0	0.0		0.0	2%
5	194	16	Surface	Nickel	7.20E+01	0.0	0.3	0.0	0.3	48%
5	194	16	Surface	Thallium	6.30E-01	0.0	0.0		0.0	7%
5	194	16	Surface	Vanadium	4.11E+01	0.0	0.0		0.0	5%
5	194	16	Surface	Totals		0.1	0.5	0.0	0.6	
5	194	16	Surface	Percent		14%	86%	0%		
5	194	17	Surface	Arsenic	1.16E+01	0.1	0.1	0.0	0.1	91%
5	194	17	Surface	Cadmium	1.10E+00	0.0	0.0	0.0	0.0	3%
5	194	17	Surface	Chromium	4.65E+01	0.0	0.0		0.0	6%
5	194	17	Surface	Total PAH	1.59E-01				0.0	0%
5	194	17	Surface	Totals		0.1	0.1	0.0	0.2	
5	194	17	Surface	Percent		34%	65%	1%		
5	194	18	Surface	Arsenic	1.06E+01	0.0	0.1	0.0	0.1	32%
5	194	18	Surface	Beryllium	7.40E-01	0.0	0.0	0.0	0.0	7%
5	194	18	Surface	Chromium	6.85E+01	0.0	0.0		0.0	3%
5	194	18	Surface	Nickel	5.78E+01	0.0	0.2	0.0	0.2	57%
5	194	18	Surface	Totals		0.1	0.4	0.0	0.4	
5	194	18	Surface	Percent		13%	87%	0%		
5	194	19	Surface	Arsenic	1.07E+01	0.0	0.1	0.0	0.1	35%
5	194	19	Surface	Chromium	4.84E+01	0.0	0.0		0.0	3%
5	194	19	Surface	Nickel	5.84E+01	0.0	0.2	0.0	0.2	62%
5	194	19	Surface	Totals		0.1	0.3	0.0	0.4	
5	194	19	Surface	Percent		14%	86%	0%		
5	194	20	Surface	Arsenic	1.18E+01	0.1	0.1	0.0	0.1	6%
5	194	20	Surface	Barium	3.26E+02	0.0	0.1	0.0	0.1	4%
5	194	20	Surface	Beryllium	1.10E+00	0.0	0.0	0.0	0.0	2%
5	194	20	Surface	Chromium	5.24E+01	0.0	0.0		0.0	0%
5	194	20	Surface	Cobalt	2.11E+01	0.1	0.3	0.0	0.4	14%
5	194	20	Surface	Manganese	2.29E+03	0.0	0.1	0.0	0.1	5%
5	194	20	Surface	Mercury	7.28E+00	0.0	1.4		1.4	52%
5	194	20	Surface	Nickel	6.57E+01	0.0	0.3	0.0	0.3	10%
5	194	20	Surface	Silver	1.22E+01	0.0	0.2		0.2	7%
5	194	20	Surface	Total PAH	3.10E-02				0.0	0%
5	194	20	Surface	Vanadium	3.81E+01	0.0	0.0		0.0	1%
5	194	20	Surface	Totals		0.2	2.4	0.1	2.7	
5	194	20	Surface	Percent		9%	89%	2%		
5	194	21	Surface	Antimony	9.30E-01	0.0	0.1		0.1	4%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	21	Surface	Chromium	5.51E+01	0.0	0.0		0.0	1%
5	194	21	Surface	Mercury	6.62E+00	0.0	1.2		1.3	76%
5	194	21	Surface	Nickel	7.01E+01	0.0	0.3	0.0	0.3	17%
5	194	21	Surface	Thallium	6.40E-01	0.0	0.0		0.0	3%
5	194	21	Surface	Totals		0.0	1.6	0.0	1.7	
5	194	21	Surface	Percent		3%	97%	0%		
5	194	22	Surface	Chromium	4.90E+01	0.0	0.0		0.0	19%
5	194	22	Surface	Manganese	8.19E+02	0.0	0.0	0.0	0.0	81%
5	194	22	Surface	PCB, Total	1.09E+01				0.0	0%
5	194	22	Surface	Totals		0.0	0.0	0.0	0.1	
5	194	22	Surface	Percent		15%	53%	32%		
5	194	23	Surface	Arsenic	1.16E+01	0.1	0.1	0.0	0.1	17%
5	194	23	Surface	Chromium	6.60E+01	0.0	0.0		0.0	2%
5	194	23	Surface	Iron	1.83E+04	0.0	0.1		0.1	17%
5	194	23	Surface	Nickel	8.77E+01	0.0	0.3	0.0	0.3	42%
5	194	23	Surface	Silver	1.15E+01	0.0	0.2		0.2	22%
5	194	23	Surface	Totals		0.1	0.7	0.0	0.8	
5	194	23	Surface	Percent		12%	88%	0%		
5	194	24	Surface	Chromium	5.02E+01	0.0	0.0		0.0	3%
5	194	24	Surface	Nickel	7.08E+01	0.0	0.3	0.0	0.3	97%
5	194	24	Surface	Total PAH	2.28E-02				0.0	0%
5	194	24	Surface	Totals		0.0	0.3	0.0	0.3	
5	194	24	Surface	Percent		2%	98%	0%		
5	194	25	Surface	Barium	3.00E+02	0.0	0.1	0.0	0.1	21%
5	194	25	Surface	Chromium	6.13E+01	0.0	0.0		0.0	3%
5	194	25	Surface	Manganese	9.96E+02	0.0	0.0	0.0	0.1	13%
5	194	25	Surface	Nickel	6.33E+01	0.0	0.2	0.0	0.3	63%
5	194	25	Surface	Total PAH	2.06E-02				0.0	0%
5	194	25	Surface	Totals		0.0	0.4	0.0	0.4	
5	194	25	Surface	Percent		4%	91%	5%		
5	194	26	Surface	Beryllium	7.00E-01	0.0	0.0	0.0	0.0	12%
5	194	26	Surface	Chromium	4.18E+01	0.0	0.0		0.0	4%
5	194	26	Surface	Silver	1.03E+01	0.0	0.2		0.2	72%
5	194	26	Surface	Thallium	3.90E-01	0.0	0.0		0.0	11%
5	194	26	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	26	Surface	Percent		4%	96%	0%		
5	194	27	Surface	Chromium	5.22E+01	0.0	0.0		0.0	2%
5	194	27	Surface	Nickel	6.55E+01	0.0	0.3	0.0	0.3	60%
5	194	27	Surface	Silver	1.01E+01	0.0	0.2		0.2	37%
5	194	27	Surface	Totals		0.0	0.4	0.0	0.4	
5	194	27	Surface	Percent		2%	98%	0%		
5	194	28	Surface	Arsenic	1.20E+01	0.1	0.1	0.0	0.1	21%
5	194	28	Surface	Beryllium	7.10E-01	0.0	0.0	0.0	0.0	4%
5	194	28	Surface	Chromium	6.07E+01	0.0	0.0		0.0	2%
5	194	28	Surface	Manganese	1.14E+03	0.0	0.0	0.0	0.1	8%
5	194	28	Surface	Nickel	6.95E+01	0.0	0.3	0.0	0.3	38%
5	194	28	Surface	Silver	1.08E+01	0.0	0.2		0.2	24%
5	194	28	Surface	Vanadium	4.06E+01	0.0	0.0		0.0	4%
5	194	28	Surface	Totals		0.1	0.6	0.0	0.7	
5	194	28	Surface	Percent		12%	85%	3%		
5	194	29	Surface	Antimony	7.10E-01	0.0	0.0		0.0	10%
5	194	29	Surface	Chromium	5.06E+01	0.0	0.0		0.0	2%
5	194	29	Surface	Nickel	6.51E+01	0.0	0.3	0.0	0.3	55%
5	194	29	Surface	Silver	9.77E+00	0.0	0.2		0.2	33%
5	194	29	Surface	Totals		0.0	0.5	0.0	0.5	
5	194	29	Surface	Percent		2%	98%	0%		

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	30	Surface	Chromium	5.66E+01	0.0	0.0		0.0	1%
5	194	30	Surface	Mercury	8.80E+00	0.0	1.6		1.7	79%
5	194	30	Surface	Nickel	6.99E+01	0.0	0.3	0.0	0.3	13%
5	194	30	Surface	Silver	9.76E+00	0.0	0.2		0.2	7%
5	194	30	Surface	Totals		0.0	2.1	0.0	2.1	
5	194	30	Surface	Percent		2%	98%	0%		
5	196	1	Surface	Antimony	5.90E-01	0.0	0.0		0.0	2%
5	196	1	Surface	Chromium	1.96E+01	0.0	0.0		0.0	0%
5	196	1	Surface	Nickel	5.56E+02	0.0	2.2	0.0	2.2	96%
5	196	1	Surface	Uranium	2.33E+01	0.0	0.0	0.0	0.0	2%
5	196	1	Surface	Totals		0.1	2.2	0.0	2.3	
5	196	1	Surface	Percent		2%	98%	0%		
5	196	2	Surface	Barium	2.02E+02	0.0	0.1	0.0	0.1	16%
5	196	2	Surface	Cadmium	2.53E+00	0.0	0.0	0.0	0.0	3%
5	196	2	Surface	Chromium	2.07E+01	0.0	0.0		0.0	1%
5	196	2	Surface	Nickel	7.36E+01	0.0	0.3	0.0	0.3	80%
5	196	2	Surface	PCB, Total	1.51E+00				0.0	0%
5	196	2	Surface	Total PAH	6.80E-01				0.0	0%
5	196	2	Surface	Totals		0.0	0.4	0.0	0.4	
5	196	2	Surface	Percent		3%	97%	0%		
5	489	1	Surface	Chromium	4.16E+01	0.0	0.0		0.0	3%
5	489	1	Surface	Nickel	7.88E+01	0.0	0.3	0.0	0.3	97%
5	489	1	Surface	Total PAH	8.22E-02				0.0	0%
5	489	1	Surface	Totals		0.0	0.3	0.0	0.3	
5	489	1	Surface	Percent		2%	98%	0%		
5	531	1	Surface	Antimony	1.00E+00	0.0	0.1		0.1	4%
5	531	1	Surface	Arsenic	4.68E+01	0.2	0.4	0.0	0.6	32%
5	531	1	Surface	Cadmium	3.10E+00	0.0	0.0	0.0	0.0	1%
5	531	1	Surface	Chromium	5.05E+01	0.0	0.0		0.0	1%
5	531	1	Surface	Iron	5.68E+04	0.1	0.3		0.4	23%
5	531	1	Surface	Nickel	1.62E+02	0.0	0.6	0.0	0.6	35%
5	531	1	Surface	Total PAH	5.34E-02				0.0	0%
5	531	1	Surface	Uranium	2.41E+01	0.0	0.0	0.0	0.0	2%
5	531	1	Surface	Zinc	2.45E+03	0.0	0.0		0.0	2%
5	531	1	Surface	Totals		0.4	1.5	0.0	1.8	
5	531	1	Surface	Percent		20%	80%	0%		
6	200	1	Surface	Antimony	5.60E-01	0.0	0.0		0.0	2%
6	200	1	Surface	Chromium	5.75E+01	0.0	0.0		0.0	1%
6	200	1	Surface	Mercury	6.71E+00	0.0	1.2		1.3	68%
6	200	1	Surface	Nickel	1.28E+02	0.0	0.5	0.0	0.5	27%
6	200	1	Surface	PCB, Total	2.60E+00				0.0	0%
6	200	1	Surface	Total PAH	2.84E-02				0.0	0%
6	200	1	Surface	Uranium	2.73E+01	0.0	0.0	0.0	0.0	3%
6	200	1	Surface	Totals		0.1	1.8	0.0	1.9	
6	200	1	Surface	Percent		3%	97%	0%		
6	212	1	Surface	Arsenic	1.44E+01	0.1	0.1	0.0	0.2	20%
6	212	1	Surface	Beryllium	8.10E-01	0.0	0.0	0.0	0.0	4%
6	212	1	Surface	Chromium	3.58E+01	0.0	0.0		0.0	1%
6	212	1	Surface	Iron	4.14E+04	0.1	0.2		0.3	34%
6	212	1	Surface	Nickel	8.69E+01	0.0	0.3	0.0	0.3	38%
6	212	1	Surface	PCB, Total	1.80E-01				0.0	0%
6	212	1	Surface	Uranium	2.30E+01	0.0	0.0	0.0	0.0	4%
6	212	1	Surface	Totals		0.2	0.8	0.0	0.9	
6	212	1	Surface	Percent		18%	82%	0%		
6	213	1	Surface	Antimony	8.50E-01	0.0	0.1		0.1	11%
6	213	1	Surface	Chromium	4.78E+01	0.0	0.0		0.0	2%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	213	1	Surface	Nickel	6.67E+01	0.0	0.3	0.0	0.3	49%
6	213	1	Surface	PCB, Total	7.30E-02				0.0	0%
6	213	1	Surface	Silver	1.32E+01	0.0	0.2		0.2	39%
6	213	1	Surface	Total PAH	1.72E-01				0.0	0%
6	213	1	Surface	Totals		0.0	0.5	0.0	0.5	
6	213	1	Surface	Percent		2%	98%	0%		
6	213	2	Surface	Chromium	4.48E+01	0.0	0.0		0.0	2%
6	213	2	Surface	Nickel	9.10E+01	0.0	0.4	0.0	0.4	66%
6	213	2	Surface	Silver	1.13E+01	0.0	0.2		0.2	33%
6	213	2	Surface	Totals		0.0	0.5	0.0	0.6	
6	213	2	Surface	Percent		2%	98%	0%		
6	214	1	Surface	Antimony	5.70E-01	0.0	0.0		0.0	100%
6	214	1	Surface	Totals		0.0	0.0		0.0	
6	214	1	Surface	Percent		5%	95%			
6	215	1	Surface	Antimony	6.80E-01	0.0	0.0		0.0	7%
6	215	1	Surface	Chromium	5.73E+01	0.0	0.0		0.0	2%
6	215	1	Surface	Iron	3.87E+04	0.1	0.2		0.3	45%
6	215	1	Surface	Nickel	7.32E+01	0.0	0.3	0.0	0.3	45%
6	215	1	Surface	Total PAH	8.09E-02				0.0	0%
6	215	1	Surface	Totals		0.1	0.6	0.0	0.6	
6	215	1	Surface	Percent		13%	87%	0%		
6	216	1	Surface	Chromium	2.38E+01	0.0	0.0		0.0	100%
6	216	1	Surface	Total PAH	1.49E-01				0.0	0%
6	216	1	Surface	Totals		0.0	0.0		0.0	
6	216	1	Surface	Percent		0%	100%			
6	217	1	Surface	Chromium	8.58E+01	0.0	0.0		0.0	2%
6	217	1	Surface	Cobalt	1.96E+01	0.1	0.3	0.0	0.3	36%
6	217	1	Surface	Manganese	7.70E+02	0.0	0.0	0.0	0.0	4%
6	217	1	Surface	Nickel	8.54E+01	0.0	0.3	0.0	0.3	35%
6	217	1	Surface	Silver	1.35E+01	0.0	0.2		0.2	22%
6	217	1	Surface	Totals		0.1	0.8	0.0	1.0	
6	217	1	Surface	Percent		11%	87%	2%		
6	217	2	Surface	Antimony	1.70E+00	0.0	0.1		0.1	4%
6	217	2	Surface	Arsenic	1.12E+01	0.1	0.1	0.0	0.1	4%
6	217	2	Surface	Chromium	1.02E+02	0.0	0.0		0.0	1%
6	217	2	Surface	Cobalt	1.74E+01	0.1	0.2	0.0	0.3	10%
6	217	2	Surface	Iron	3.09E+04	0.1	0.2		0.2	7%
6	217	2	Surface	Manganese	8.44E+02	0.0	0.0	0.0	0.0	1%
6	217	2	Surface	Mercury	8.59E+00	0.0	1.6		1.6	52%
6	217	2	Surface	Nickel	9.74E+01	0.0	0.4	0.0	0.4	12%
6	217	2	Surface	Silver	1.61E+01	0.0	0.3		0.3	8%
6	217	2	Surface	Total PAH	5.05E-01				0.0	0%
6	217	2	Surface	Totals		0.3	2.9	0.0	3.1	
6	217	2	Surface	Percent		8%	91%	1%		
6	221	1	Surface	Barium	2.21E+02	0.0	0.1	0.0	0.1	11%
6	221	1	Surface	Chromium	7.01E+01	0.0	0.0		0.0	2%
6	221	1	Surface	Iron	1.90E+04	0.0	0.1		0.1	25%
6	221	1	Surface	Nickel	7.93E+01	0.0	0.3	0.0	0.3	56%
6	221	1	Surface	PCB, Total	5.00E-01				0.0	0%
6	221	1	Surface	Total PAH	1.02E+00				0.0	0%
6	221	1	Surface	Uranium	1.64E+01	0.0	0.0	0.0	0.0	5%
6	221	1	Surface	Totals		0.1	0.5	0.0	0.6	
6	221	1	Surface	Percent		9%	91%	0%		
6	222	1	Surface	Chromium	4.73E+01	0.0	0.0		0.0	2%
6	222	1	Surface	Nickel	9.19E+01	0.0	0.4	0.0	0.4	86%
6	222	1	Surface	PCB, Total	1.40E+00				0.0	0%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	222	1	Surface	Total PAH	1.77E-01				0.0	0%
6	222	1	Surface	Uranium	2.80E+01	0.0	0.0	0.0	0.0	12%
6	222	1	Surface	Totals		0.0	0.4	0.0	0.4	
6	222	1	Surface	Percent		4%	95%	0%		
6	227	1	Surface	Beryllium	5.52E-01	0.0	0.0	0.0	0.0	2%
6	227	1	Surface	Chromium	4.71E+01	0.0	0.0		0.0	1%
6	227	1	Surface	Nickel	2.03E+02	0.0	0.8	0.0	0.8	79%
6	227	1	Surface	PCB, Total	4.14E+00				0.0	0%
6	227	1	Surface	Total PAH	3.38E-01				0.0	0%
6	227	1	Surface	Uranium	1.02E+02	0.0	0.1	0.0	0.2	18%
6	227	1	Surface	Totals		0.1	1.0	0.0	1.0	
6	227	1	Surface	Percent		6%	94%	0%		
6	227	2	Surface	Beryllium	5.32E-01	0.0	0.0	0.0	0.0	1%
6	227	2	Surface	Chromium	5.63E+01	0.0	0.0		0.0	0%
6	227	2	Surface	Cobalt	8.99E+00	0.0	0.1	0.0	0.2	7%
6	227	2	Surface	Mercury	8.41E+00	0.0	1.6		1.6	69%
6	227	2	Surface	Nickel	1.25E+02	0.0	0.5	0.0	0.5	21%
6	227	2	Surface	PCB, Total	5.82E+00				0.0	0%
6	227	2	Surface	Total PAH	1.16E-01				0.0	0%
6	227	2	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	1%
6	227	2	Surface	Totals		0.1	2.2	0.0	2.3	
6	227	2	Surface	Percent		4%	96%	0%		
6	228	1	Surface	Antimony	6.30E-01	0.0	0.0		0.0	2%
6	228	1	Surface	Cadmium	3.90E+00	0.0	0.0	0.0	0.0	1%
6	228	1	Surface	Chromium	1.89E+02	0.0	0.0		0.0	2%
6	228	1	Surface	Mercury	9.37E+00	0.0	1.7		1.8	74%
6	228	1	Surface	Nickel	7.92E+01	0.0	0.3	0.0	0.3	13%
6	228	1	Surface	Silver	1.16E+01	0.0	0.2		0.2	8%
6	228	1	Surface	Total PAH	6.69E-02				0.0	0%
6	228	1	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	1%
6	228	1	Surface	Totals		0.1	2.3	0.0	2.4	
6	228	1	Surface	Percent		3%	97%	0%		
7	76	1	Surface	Barium	2.69E+02	0.0	0.1	0.0	0.1	100%
7	76	1	Surface	PCB, Total	2.60E-01				0.0	0%
7	76	1	Surface	Total PAH	1.76E+00				0.0	0%
7	76	1	Surface	Totals		0.0	0.1	0.0	0.1	
7	76	1	Surface	Percent		2%	97%	1%		
7	165	1	Surface	Antimony	2.20E+00	0.0	0.1		0.2	7%
7	165	1	Surface	Arsenic	6.35E+01	0.3	0.5	0.0	0.8	38%
7	165	1	Surface	Barium	5.84E+02	0.0	0.2	0.0	0.2	8%
7	165	1	Surface	Beryllium	6.82E-01	0.0	0.0	0.0	0.0	1%
7	165	1	Surface	Chromium	3.74E+01	0.0	0.0		0.0	0%
7	165	1	Surface	Mercury	3.78E-01	0.0	0.1		0.1	4%
7	165	1	Surface	Naphthalene	1.61E+00	0.0	0.0	0.0	0.0	1%
7	165	1	Surface	Nickel	3.47E+01	0.0	0.1	0.0	0.1	7%
7	165	1	Surface	PCB, Total	8.27E+00				0.0	0%
7	165	1	Surface	Silver	3.09E+01	0.0	0.5		0.5	24%
7	165	1	Surface	Total PAH	1.87E+00				0.0	0%
7	165	1	Surface	Uranium	1.08E+02	0.0	0.1	0.0	0.2	9%
7	165	1	Surface	Totals		0.4	1.7	0.0	2.1	
7	165	1	Surface	Percent		18%	81%	1%		
8	158	1	Surface	Antimony	5.23E-01	0.0	0.0		0.0	1%
8	158	1	Surface	Arsenic	1.01E+01	0.0	0.1	0.0	0.1	4%
8	158	1	Surface	Barium	2.19E+02	0.0	0.1	0.0	0.1	2%
8	158	1	Surface	Chromium	6.07E+01	0.0	0.0		0.0	0%
8	158	1	Surface	Cobalt	1.62E+01	0.1	0.2	0.0	0.3	10%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
8	158	1	Surface	Manganese	9.91E+02	0.0	0.0	0.0	0.1	2%
8	158	1	Surface	Mercury	1.05E+01	0.0	1.9		2.0	68%
8	158	1	Surface	Nickel	7.28E+01	0.0	0.3	0.0	0.3	10%
8	158	1	Surface	Thallium	3.12E-01	0.0	0.0		0.0	1%
8	158	1	Surface	Total PAH	3.69E-01				0.0	0%
8	158	1	Surface	Uranium	2.03E+01	0.0	0.0	0.0	0.0	1%
8	158	1	Surface	Totals		0.2	2.7	0.0	2.9	
8	158	1	Surface	Percent		7%	92%	1%		
8	169	1	Surface	Aluminum	1.42E+04	0.0	0.1	0.0	0.1	2%
8	169	1	Surface	Antimony	1.30E+00	0.0	0.1		0.1	2%
8	169	1	Surface	Arsenic	2.03E+01	0.1	0.2	0.0	0.3	5%
8	169	1	Surface	Beryllium	8.00E-01	0.0	0.0	0.0	0.0	1%
8	169	1	Surface	Chromium	2.15E+02	0.0	0.0		0.0	1%
8	169	1	Surface	Copper	3.74E+02	0.0	0.0		0.0	1%
8	169	1	Surface	Iron	4.16E+04	0.1	0.2		0.3	7%
8	169	1	Surface	Mercury	7.87E+00	0.0	1.5		1.5	32%
8	169	1	Surface	Nickel	5.49E+02	0.0	2.1	0.0	2.2	47%
8	169	1	Surface	PCB, Total	1.00E+01				0.0	0%
8	169	1	Surface	Thallium	4.60E-01	0.0	0.0		0.0	1%
8	169	1	Surface	Total PAH	4.59E+00				0.0	0%
8	169	1	Surface	Uranium	5.03E+01	0.0	0.1	0.0	0.1	2%
8	169	1	Surface	Totals		0.3	4.3	0.0	4.7	
8	169	1	Surface	Percent		7%	93%	0%		
9	19	1	Surface	Beryllium	1.10E+00	0.0	0.0	0.0	0.0	38%
9	19	1	Surface	Cadmium	1.20E+00	0.0	0.0	0.0	0.0	5%
9	19	1	Surface	Thallium	9.80E-01	0.0	0.0		0.1	57%
9	19	1	Surface	Total PAH	5.23E+00				0.0	0%
9	19	1	Surface	Totals		0.0	0.1	0.0	0.1	
9	19	1	Surface	Percent		17%	83%	0%		
9	138	1	Surface	Antimony	5.39E+00	0.0	0.4		0.4	11%
9	138	1	Surface	Arsenic	1.06E+01	0.0	0.1	0.0	0.1	4%
9	138	1	Surface	Cadmium	5.42E+00	0.0	0.0	0.0	0.0	1%
9	138	1	Surface	Chromium	5.39E+01	0.0	0.0		0.0	0%
9	138	1	Surface	Mercury	1.30E+01	0.1	2.4		2.5	72%
9	138	1	Surface	Nickel	7.04E+01	0.0	0.3	0.0	0.3	8%
9	138	1	Surface	PCB, Total	5.00E-01				0.0	0%
9	138	1	Surface	Silver	1.01E+01	0.0	0.2		0.2	5%
9	138	1	Surface	Total PAH	9.74E-02				0.0	0%
9	138	1	Surface	Totals		0.1	3.3	0.0	3.5	
9	138	1	Surface	Percent		4%	96%	0%		
9	138	2	Surface	Nickel	7.99E+01	0.0	0.3	0.0	0.3	66%
9	138	2	Surface	PCB, Total	9.20E-02				0.0	0%
9	138	2	Surface	Silver	1.04E+01	0.0	0.2		0.2	34%
9	138	2	Surface	Total PAH	3.84E-02				0.0	0%
9	138	2	Surface	Totals		0.0	0.5	0.0	0.5	
9	138	2	Surface	Percent		2%	98%	0%		
9	180	1	Surface	Antimony	5.80E-01	0.0	0.0		0.0	1%
9	180	1	Surface	Arsenic	7.48E+01	0.3	0.6	0.0	0.9	32%
9	180	1	Surface	Chromium	5.54E+01	0.0	0.0		0.0	0%
9	180	1	Surface	Mercury	8.28E+00	0.0	1.5		1.6	54%
9	180	1	Surface	Nickel	8.77E+01	0.0	0.3	0.0	0.3	12%
9	180	1	Surface	Totals		0.4	2.5	0.0	2.9	
9	180	1	Surface	Percent		13%	86%	0%		
9	180	2	Surface	Antimony	4.58E-01	0.0	0.0		0.0	6%
9	180	2	Surface	Arsenic	1.27E+01	0.1	0.1	0.0	0.2	30%
9	180	2	Surface	Chromium	4.46E+01	0.0	0.0		0.0	2%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	180	2	Surface	Nickel	8.42E+01	0.0	0.3	0.0	0.3	63%
9	180	2	Surface	Total PAH	9.19E-02				0.0	0%
9	180	2	Surface	Totals		0.1	0.5	0.0	0.5	
9	180	2	Surface	Percent		12%	87%	0%		
9	180	3	Surface	Arsenic	1.34E+01	0.1	0.1	0.0	0.2	27%
9	180	3	Surface	Chromium	4.69E+01	0.0	0.0		0.0	2%
9	180	3	Surface	Nickel	6.77E+01	0.0	0.3	0.0	0.3	43%
9	180	3	Surface	Silver	1.14E+01	0.0	0.2		0.2	29%
9	180	3	Surface	Totals		0.1	0.6	0.0	0.6	
9	180	3	Surface	Percent		11%	89%	0%		
9	180	4	Surface	Arsenic	1.15E+01	0.1	0.1	0.0	0.1	16%
9	180	4	Surface	Barium	2.13E+02	0.0	0.1	0.0	0.1	7%
9	180	4	Surface	Beryllium	1.60E+00	0.0	0.1	0.0	0.1	7%
9	180	4	Surface	Chromium	6.00E+01	0.0	0.0		0.0	1%
9	180	4	Surface	Iron	1.54E+04	0.0	0.1		0.1	13%
9	180	4	Surface	Manganese	7.09E+02	0.0	0.0	0.0	0.0	4%
9	180	4	Surface	Nickel	6.46E+01	0.0	0.3	0.0	0.3	29%
9	180	4	Surface	Silver	9.68E+00	0.0	0.2		0.2	18%
9	180	4	Surface	Total PAH	2.15E-02				0.0	0%
9	180	4	Surface	Vanadium	4.85E+01	0.0	0.0		0.0	4%
9	180	4	Surface	Totals		0.1	0.7	0.0	0.9	
9	180	4	Surface	Percent		13%	85%	2%		
9	181	1	Surface	Chromium	2.29E+01	0.0	0.0		0.0	2%
9	181	1	Surface	Thallium	3.50E+00	0.1	0.2		0.2	98%
9	181	1	Surface	Total PAH	3.43E-02				0.0	0%
9	181	1	Surface	Totals		0.1	0.2		0.2	
9	181	1	Surface	Percent		25%	75%			
9	195	1	Surface	Chromium	6.33E+01	0.0	0.0		0.0	3%
9	195	1	Surface	Nickel	7.02E+01	0.0	0.3	0.0	0.3	63%
9	195	1	Surface	Silver	9.37E+00	0.0	0.1		0.1	34%
9	195	1	Surface	Totals		0.0	0.4	0.0	0.4	
9	195	1	Surface	Percent		2%	98%	0%		
9	195	2	Surface	Chromium	4.52E+01	0.0	0.0		0.0	6%
9	195	2	Surface	Silver	9.48E+00	0.0	0.1		0.2	94%
9	195	2	Surface	Total PAH	2.68E-02				0.0	0%
9	195	2	Surface	Totals		0.0	0.2		0.2	
9	195	2	Surface	Percent		2%	98%			
9	195	3	Surface	Chromium	5.03E+01	0.0	0.0		0.0	5%
9	195	3	Surface	Nickel	5.22E+01	0.0	0.2	0.0	0.2	95%
9	195	3	Surface	Total PAH	4.06E-02				0.0	0%
9	195	3	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	3	Surface	Percent		2%	98%	0%		
9	195	4	Surface	Chromium	5.29E+01	0.0	0.0		0.0	4%
9	195	4	Surface	Nickel	6.23E+01	0.0	0.2	0.0	0.2	96%
9	195	4	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	4	Surface	Percent		2%	98%	0%		
9	195	5	Surface	Chromium	5.74E+01	0.0	0.0		0.0	3%
9	195	5	Surface	Nickel	8.11E+01	0.0	0.3	0.0	0.3	97%
9	195	5	Surface	Total PAH	2.40E-02				0.0	0%
9	195	5	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	5	Surface	Percent		2%	98%	0%		
9	195	6	Surface	Chromium	4.45E+01	0.0	0.0		0.0	3%
9	195	6	Surface	Nickel	8.71E+01	0.0	0.3	0.0	0.3	97%
9	195	6	Surface	Total PAH	2.48E-01				0.0	0%
9	195	6	Surface	Totals		0.0	0.3	0.0	0.4	
9	195	6	Surface	Percent		2%	98%	0%		

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	195	7	Surface	Chromium	4.93E+01	0.0	0.0		0.0	7%
9	195	7	Surface	Silver	8.06E+00	0.0	0.1		0.1	93%
9	195	7	Surface	Totals		0.0	0.1		0.1	
9	195	7	Surface	Percent		2%	98%			
9	195	8	Surface	Arsenic	1.16E+01	0.1	0.1	0.0	0.1	18%
9	195	8	Surface	Beryllium	7.40E-01	0.0	0.0	0.0	0.0	4%
9	195	8	Surface	Chromium	6.79E+01	0.0	0.0		0.0	2%
9	195	8	Surface	Cobalt	1.82E+01	0.1	0.2	0.0	0.3	40%
9	195	8	Surface	Nickel	7.01E+01	0.0	0.3	0.0	0.3	34%
9	195	8	Surface	Total PAH	2.16E-01				0.0	0%
9	195	8	Surface	Vanadium	4.04E+01	0.0	0.0		0.0	3%
9	195	8	Surface	Totals		0.2	0.7	0.0	0.8	
9	195	8	Surface	Percent		19%	81%	1%		
9	195	9	Surface	Chromium	6.08E+01	0.0	0.0		0.0	4%
9	195	9	Surface	Nickel	7.93E+01	0.0	0.3	0.0	0.3	96%
9	195	9	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	9	Surface	Percent		2%	98%	0%		
9	195	10	Surface	Chromium	4.51E+01	0.0	0.0		0.0	2%
9	195	10	Surface	Nickel	7.40E+01	0.0	0.3	0.0	0.3	58%
9	195	10	Surface	Silver	1.31E+01	0.0	0.2		0.2	41%
9	195	10	Surface	Totals		0.0	0.5	0.0	0.5	
9	195	10	Surface	Percent		2%	98%	0%		
9	195	11	Surface	Aluminum	2.81E+04	0.0	0.1	0.0	0.2	10%
9	195	11	Surface	Arsenic	1.35E+01	0.1	0.1	0.0	0.2	11%
9	195	11	Surface	Barium	4.53E+02	0.0	0.1	0.0	0.1	9%
9	195	11	Surface	Chromium	5.05E+01	0.0	0.0		0.0	1%
9	195	11	Surface	Cobalt	2.77E+01	0.1	0.4	0.0	0.5	33%
9	195	11	Surface	Iron	1.97E+04	0.0	0.1		0.1	10%
9	195	11	Surface	Nickel	6.77E+01	0.0	0.3	0.0	0.3	18%
9	195	11	Surface	Thallium	6.60E-01	0.0	0.0		0.0	3%
9	195	11	Surface	Vanadium	7.97E+01	0.0	0.0		0.1	4%
9	195	11	Surface	Totals		0.3	1.2	0.0	1.5	
9	195	11	Surface	Percent		21%	78%	1%		
9	195	12	Surface	Beryllium	7.50E-01	0.0	0.0	0.0	0.0	10%
9	195	12	Surface	Chromium	7.04E+01	0.0	0.0		0.0	5%
9	195	12	Surface	Nickel	6.78E+01	0.0	0.3	0.0	0.3	86%
9	195	12	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	12	Surface	Percent		2%	98%	0%		
9	195	13	Surface	Chromium	6.55E+01	0.0	0.0		0.0	5%
9	195	13	Surface	Nickel	6.91E+01	0.0	0.3	0.0	0.3	95%
9	195	13	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	13	Surface	Percent		2%	98%	0%		
9	195	14	Surface	Chromium	5.94E+01	0.0	0.0		0.0	4%
9	195	14	Surface	Nickel	7.04E+01	0.0	0.3	0.0	0.3	96%
9	195	14	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	14	Surface	Percent		2%	98%	0%		
9	195	15	Surface	Chromium	4.82E+01	0.0	0.0		0.0	100%
9	195	15	Surface	Totals		0.0	0.0		0.0	
9	195	15	Surface	Percent		0%	100%			
9	195	16	Surface	Chromium	4.45E+01	0.0	0.0		0.0	3%
9	195	16	Surface	Nickel	8.16E+01	0.0	0.3	0.0	0.3	97%
9	195	16	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	16	Surface	Percent		2%	98%	0%		
9	195	17	Surface	Chromium	8.22E+01	0.0	0.0		0.0	3%
9	195	17	Surface	Mercury	4.17E-01	0.0	0.1		0.1	15%
9	195	17	Surface	Nickel	5.93E+01	0.0	0.2	0.0	0.2	45%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	195	17	Surface	PCB, Total	7.40E-01				0.0	0%
9	195	17	Surface	Silver	1.01E+01	0.0	0.2		0.2	30%
9	195	17	Surface	Thallium	5.40E-01	0.0	0.0		0.0	7%
9	195	17	Surface	Total PAH	3.16E-01				0.0	0%
9	195	17	Surface	Totals		0.0	0.5	0.0	0.5	
9	195	17	Surface	Percent		3%	96%	0%		
9	492	1	Surface	Arsenic	1.47E+01	0.1	0.1	0.0	0.2	5%
9	492	1	Surface	Beryllium	1.04E+01	0.0	0.4	0.0	0.4	10%
9	492	1	Surface	Cadmium	3.14E+00	0.0	0.0	0.0	0.0	0%
9	492	1	Surface	Chromium	1.04E+03	0.0	0.2		0.2	5%
9	492	1	Surface	PCB, Total	4.41E+01				0.0	0%
9	492	1	Surface	Uranium	1.77E+03	0.8	2.3	0.0	3.1	79%
9	492	1	Surface	Vanadium	4.32E+01	0.0	0.0		0.0	1%
9	492	1	Surface	Totals		0.9	3.1	0.0	4.0	
9	492	1	Surface	Percent		23%	77%	0%		
9	493	1	Surface	Aluminum	1.44E+04	0.0	0.1	0.0	0.1	4%
9	493	1	Surface	Barium	4.04E+02	0.0	0.1	0.0	0.1	6%
9	493	1	Surface	Beryllium	9.91E-01	0.0	0.0	0.0	0.0	2%
9	493	1	Surface	Chromium	6.61E+01	0.0	0.0		0.0	1%
9	493	1	Surface	Cobalt	3.79E+01	0.2	0.5	0.0	0.7	33%
9	493	1	Surface	Manganese	3.55E+03	0.0	0.1	0.1	0.2	9%
9	493	1	Surface	Mercury	2.60E-01	0.0	0.0		0.0	2%
9	493	1	Surface	Nickel	2.13E+02	0.0	0.8	0.0	0.8	42%
9	493	1	Surface	PCB, Total	2.60E-01				0.0	0%
9	493	1	Surface	Total PAH	5.00E-01				0.0	0%
9	493	1	Surface	Vanadium	4.05E+01	0.0	0.0		0.0	1%
9	493	1	Surface	Totals		0.3	1.7	0.1	2.0	
9	493	1	Surface	Percent		13%	83%	4%		
9	517	1	Surface	Beryllium	7.39E-01	0.0	0.0	0.0	0.0	4%
9	517	1	Surface	Chromium	4.91E+01	0.0	0.0		0.0	1%
9	517	1	Surface	Nickel	1.72E+02	0.0	0.7	0.0	0.7	95%
9	517	1	Surface	PCB, Total	5.00E-01				0.0	0%
9	517	1	Surface	Totals		0.0	0.7	0.0	0.7	
9	517	1	Surface	Percent		2%	98%	0%		
9	541	1	Surface	Aluminum	1.43E+04	0.0	0.1	0.0	0.1	1%
9	541	1	Surface	Barium	1.28E+02	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Beryllium	6.98E-01	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Cadmium	1.68E+00	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Chromium	8.24E+02	0.0	0.2		0.2	1%
9	541	1	Surface	Iron	1.60E+04	0.0	0.1		0.1	1%
9	541	1	Surface	Mercury	9.81E-02	0.0	0.0		0.0	0%
9	541	1	Surface	Naphthalene	6.55E-01	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Nickel	1.52E+01	0.0	0.1	0.0	0.1	1%
9	541	1	Surface	PCB, Total	6.06E+01				0.0	0%
9	541	1	Surface	Total PAH	2.33E+00				0.0	0%
9	541	1	Surface	Uranium	6.38E+03	2.9	8.3	0.0	11.2	95%
9	541	1	Surface	Vanadium	3.04E+01	0.0	0.0		0.0	0%
9	541	1	Surface	Totals		3.0	8.8	0.0	11.8	
9	541	1	Surface	Percent		25%	74%	0%		
9	561	1	Surface	Antimony	9.36E-01	0.0	0.1		0.1	5%
9	561	1	Surface	Arsenic	1.66E+01	0.1	0.1	0.0	0.2	16%
9	561	1	Surface	Barium	1.40E+02	0.0	0.0	0.0	0.0	3%
9	561	1	Surface	Beryllium	6.85E-01	0.0	0.0	0.0	0.0	2%
9	561	1	Surface	Chromium	8.58E+01	0.0	0.0		0.0	1%
9	561	1	Surface	Cobalt	1.07E+01	0.0	0.1	0.0	0.2	15%
9	561	1	Surface	Iron	2.05E+04	0.0	0.1		0.2	12%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	561	1	Surface	Manganese	1.61E+03	0.0	0.0	0.0	0.1	7%
9	561	1	Surface	PCB, Total	1.04E+00				0.0	0%
9	561	1	Surface	Thallium	3.33E-01	0.0	0.0		0.0	2%
9	561	1	Surface	Total PAH	3.94E-01				0.0	0%
9	561	1	Surface	Uranium	2.65E+02	0.1	0.3	0.0	0.5	36%
9	561	1	Surface	Vanadium	3.76E+01	0.0	0.0		0.0	2%
9	561	1	Surface	Totals		0.3	0.9	0.0	1.3	
9	561	1	Surface	Percent		25%	72%	3%		
9	561	2	Surface	Antimony	5.33E+00	0.0	0.3		0.4	11%
9	561	2	Surface	Arsenic	1.30E+01	0.1	0.1	0.0	0.2	5%
9	561	2	Surface	Beryllium	6.34E-01	0.0	0.0	0.0	0.0	1%
9	561	2	Surface	Cadmium	4.13E-01	0.0	0.0	0.0	0.0	0%
9	561	2	Surface	Chromium	2.88E+02	0.0	0.1		0.1	2%
9	561	2	Surface	Cobalt	1.14E+01	0.1	0.1	0.0	0.2	6%
9	561	2	Surface	Manganese	1.12E+03	0.0	0.0	0.0	0.1	2%
9	561	2	Surface	PCB, Total	1.64E+01				0.0	0%
9	561	2	Surface	Thallium	4.09E-01	0.0	0.0		0.0	1%
9	561	2	Surface	Total PAH	2.43E+00				0.0	0%
9	561	2	Surface	Uranium	1.38E+03	0.6	1.8	0.0	2.4	73%
9	561	2	Surface	Vanadium	3.46E+01	0.0	0.0		0.0	1%
9	561	2	Surface	Totals		0.8	2.5	0.0	3.4	
9	561	2	Surface	Percent		24%	76%	1%		
9	562	1	Surface	Uranium	8.73E+01	0.0	0.1	0.0	0.2	100%
9	562	1	Surface	Totals		0.0	0.1	0.0	0.2	
9	562	1	Surface	Percent		26%	74%	0%		
9	562	2	Surface	PCB, Total	1.58E+00				0.0	
9	562	2	Surface	Totals					0.0	
9	562	2	Surface	Percent						
9	562	3	Surface	Chromium	3.82E+01	0.0	0.0		0.0	7%
9	562	3	Surface	PCB, Total	2.40E-01				0.0	0%
9	562	3	Surface	Total PAH	2.20E-01				0.0	0%
9	562	3	Surface	Uranium	5.89E+01	0.0	0.1	0.0	0.1	93%
9	562	3	Surface	Totals		0.0	0.1	0.0	0.1	
9	562	3	Surface	Percent		24%	76%	0%		
9	562	4	Surface	Chromium	4.67E+01	0.0	0.0		0.0	20%
9	562	4	Surface	Uranium	2.10E+01	0.0	0.0	0.0	0.0	80%
9	562	4	Surface	Totals		0.0	0.0	0.0	0.0	
9	562	4	Surface	Percent		21%	79%	0%		
9	562	5	Surface	Chromium	1.53E+02	0.0	0.0		0.0	8%
9	562	5	Surface	PCB, Total	9.50E-01				0.0	0%
9	562	5	Surface	Total PAH	7.05E-02				0.0	0%
9	562	5	Surface	Uranium	2.08E+02	0.1	0.3	0.0	0.4	92%
9	562	5	Surface	Totals		0.1	0.3	0.0	0.4	
9	562	5	Surface	Percent		24%	76%	0%		
9	563	1	Surface	Cadmium	8.96E-01	0.0	0.0	0.0	0.0	5%
9	563	1	Surface	Chromium	2.85E+02	0.0	0.1		0.1	65%
9	563	1	Surface	PCB, Total	7.40E-01				0.0	0%
9	563	1	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	30%
9	563	1	Surface	Totals		0.0	0.1	0.0	0.1	
9	563	1	Surface	Percent		10%	90%	0%		
9	564	1	Surface	Arsenic	4.30E+01	0.2	0.3	0.0	0.5	39%
9	564	1	Surface	Beryllium	2.12E+00	0.0	0.1	0.0	0.1	6%
9	564	1	Surface	Cadmium	1.96E+00	0.0	0.0	0.0	0.0	1%
9	564	1	Surface	Chromium	7.49E+01	0.0	0.0		0.0	1%
9	564	1	Surface	Iron	3.66E+04	0.1	0.2		0.3	20%
9	564	1	Surface	Mercury	2.30E-01	0.0	0.0		0.0	3%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	564	1	Surface	Nickel	2.24E+01	0.0	0.1	0.0	0.1	7%
9	564	1	Surface	PCB, Total	1.93E+00				0.0	0%
9	564	1	Surface	Thallium	2.36E+00	0.0	0.1		0.2	11%
9	564	1	Surface	Uranium	5.83E+01	0.0	0.1	0.0	0.1	8%
9	564	1	Surface	Vanadium	8.06E+01	0.0	0.0		0.1	4%
9	564	1	Surface	Totals		0.4	1.0	0.0	1.4	
9	564	1	Surface	Percent		27%	73%	0%		
9	567	3	Surface	Chromium	3.79E+01	0.0	0.0		0.0	100%
9	567	3	Surface	Totals		0.0	0.0		0.0	
9	567	3	Surface	Percent		0%	100%			
9	567	4	Surface	Aluminum	1.25E+04	0.0	0.0	0.0	0.1	95%
9	567	4	Surface	Chromium	1.63E+01	0.0	0.0		0.0	5%
9	567	4	Surface	Totals		0.0	0.1	0.0	0.1	
9	567	4	Surface	Percent		24%	73%	4%		
10	14	1	Surface	Arsenic	1.10E+01	0.1	0.1	0.0	0.1	11%
10	14	1	Surface	Chromium	6.36E+01	0.0	0.0		0.0	1%
10	14	1	Surface	Iron	1.89E+04	0.0	0.1		0.1	11%
10	14	1	Surface	Nickel	1.40E+02	0.0	0.5	0.0	0.6	45%
10	14	1	Surface	PCB, Total	5.00E-01				0.0	0%
10	14	1	Surface	Silver	1.67E+01	0.0	0.3		0.3	21%
10	14	1	Surface	Uranium	7.21E+01	0.0	0.1	0.0	0.1	10%
10	14	1	Surface	Totals		0.1	1.1	0.0	1.2	
10	14	1	Surface	Percent		11%	89%	0%		
10	14	2	Surface	Antimony	3.70E+00	0.0	0.2		0.3	6%
10	14	2	Surface	Arsenic	1.45E+01	0.1	0.1	0.0	0.2	4%
10	14	2	Surface	Beryllium	7.10E-01	0.0	0.0	0.0	0.0	1%
10	14	2	Surface	Chromium	6.65E+01	0.0	0.0		0.0	0%
10	14	2	Surface	Copper	1.76E+02	0.0	0.0		0.0	1%
10	14	2	Surface	Iron	3.72E+04	0.1	0.2		0.3	7%
10	14	2	Surface	Manganese	1.44E+03	0.0	0.0	0.0	0.1	2%
10	14	2	Surface	Mercury	2.67E-01	0.0	0.0		0.1	1%
10	14	2	Surface	Nickel	6.78E+02	0.0	2.6	0.0	2.7	65%
10	14	2	Surface	PCB, Total	3.90E-01				0.0	0%
10	14	2	Surface	Total PAH	3.38E-01				0.0	0%
10	14	2	Surface	Uranium	2.93E+02	0.1	0.4	0.0	0.5	13%
10	14	2	Surface	Totals		0.4	3.7	0.0	4.1	
10	14	2	Surface	Percent		9%	90%	1%		
10	14	3	Surface	Arsenic	1.30E+01	0.1	0.1	0.0	0.2	3%
10	14	3	Surface	Chromium	7.01E+01	0.0	0.0		0.0	0%
10	14	3	Surface	Copper	1.29E+02	0.0	0.0		0.0	0%
10	14	3	Surface	Iron	3.48E+04	0.1	0.2		0.3	6%
10	14	3	Surface	Manganese	1.06E+03	0.0	0.0	0.0	0.1	1%
10	14	3	Surface	Mercury	7.48E+00	0.0	1.4		1.4	31%
10	14	3	Surface	Molybdenum	2.21E+01	0.0	0.0		0.0	1%
10	14	3	Surface	Nickel	5.76E+02	0.0	2.3	0.0	2.3	50%
10	14	3	Surface	PCB, Total	8.65E+00				0.0	0%
10	14	3	Surface	Uranium	2.18E+02	0.1	0.3	0.0	0.4	8%
10	14	3	Surface	Totals		0.3	4.3	0.0	4.6	
10	14	3	Surface	Percent		7%	92%	1%		
10	14	4	Surface	Antimony	4.30E+00	0.0	0.3		0.3	6%
10	14	4	Surface	Arsenic	1.33E+01	0.1	0.1	0.0	0.2	4%
10	14	4	Surface	Chromium	7.20E+01	0.0	0.0		0.0	0%
10	14	4	Surface	Copper	3.54E+02	0.0	0.0		0.0	1%
10	14	4	Surface	Iron	3.88E+04	0.1	0.2		0.3	6%
10	14	4	Surface	Mercury	4.87E-01	0.0	0.1		0.1	2%
10	14	4	Surface	Nickel	7.31E+02	0.1	2.9	0.0	2.9	62%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	4	Surface	PCB, Total	6.61E+00				0.0	0%
10	14	4	Surface	Silver	1.17E+01	0.0	0.2		0.2	4%
10	14	4	Surface	Total PAH	2.51E-01				0.0	0%
10	14	4	Surface	Uranium	3.72E+02	0.2	0.5	0.0	0.7	14%
10	14	4	Surface	Totals		0.4	4.3	0.0	4.7	
10	14	4	Surface	Percent		8%	91%	0%		
10	14	5	Surface	Antimony	2.30E+00	0.0	0.1		0.2	3%
10	14	5	Surface	Arsenic	1.31E+01	0.1	0.1	0.0	0.2	3%
10	14	5	Surface	Cadmium	3.90E+00	0.0	0.0	0.0	0.0	0%
10	14	5	Surface	Chromium	4.70E+01	0.0	0.0		0.0	0%
10	14	5	Surface	Cobalt	1.40E+01	0.1	0.2	0.0	0.2	4%
10	14	5	Surface	Copper	1.34E+02	0.0	0.0		0.0	0%
10	14	5	Surface	Iron	3.92E+04	0.1	0.2		0.3	5%
10	14	5	Surface	Manganese	8.28E+02	0.0	0.0	0.0	0.0	1%
10	14	5	Surface	Mercury	1.09E+01	0.0	2.0		2.1	37%
10	14	5	Surface	Nickel	4.61E+02	0.0	1.8	0.0	1.8	33%
10	14	5	Surface	PCB, Total	1.00E+00				0.0	0%
10	14	5	Surface	Silver	1.29E+01	0.0	0.2		0.2	4%
10	14	5	Surface	Thallium	4.10E-01	0.0	0.0		0.0	0%
10	14	5	Surface	Total PAH	1.21E-01				0.0	0%
10	14	5	Surface	Uranium	2.62E+02	0.1	0.3	0.0	0.5	8%
10	14	5	Surface	Totals		0.4	5.1	0.0	5.6	
10	14	5	Surface	Percent		8%	92%	0%		
10	14	6	Surface	Antimony	2.70E+00	0.0	0.2		0.2	3%
10	14	6	Surface	Cadmium	8.40E-01	0.0	0.0	0.0	0.0	0%
10	14	6	Surface	Chromium	4.46E+02	0.0	0.1		0.1	2%
10	14	6	Surface	Copper	1.22E+02	0.0	0.0		0.0	0%
10	14	6	Surface	Mercury	3.47E-01	0.0	0.1		0.1	1%
10	14	6	Surface	Nickel	9.63E+02	0.1	3.8	0.0	3.8	71%
10	14	6	Surface	PCB, Total	5.00E+00				0.0	0%
10	14	6	Surface	Silver	1.19E+01	0.0	0.2		0.2	3%
10	14	6	Surface	Uranium	5.79E+02	0.3	0.8	0.0	1.0	19%
10	14	6	Surface	Totals		0.4	5.0	0.0	5.4	
10	14	6	Surface	Percent		6%	93%	0%		
10	14	7	Surface	Antimony	7.50E-01	0.0	0.0		0.1	1%
10	14	7	Surface	Arsenic	1.13E+01	0.1	0.1	0.0	0.1	2%
10	14	7	Surface	Cadmium	2.70E+00	0.0	0.0	0.0	0.0	0%
10	14	7	Surface	Chromium	6.46E+01	0.0	0.0		0.0	0%
10	14	7	Surface	Mercury	7.82E+00	0.0	1.5		1.5	21%
10	14	7	Surface	Nickel	1.22E+03	0.1	4.8	0.0	4.9	68%
10	14	7	Surface	PCB, Total	7.60E+00				0.0	0%
10	14	7	Surface	Total PAH	6.31E-02				0.0	0%
10	14	7	Surface	Uranium	3.33E+02	0.2	0.4	0.0	0.6	8%
10	14	7	Surface	Totals		0.3	6.8	0.0	7.2	
10	14	7	Surface	Percent		5%	95%	0%		
10	14	8	Surface	Antimony	6.10E-01	0.0	0.0		0.0	1%
10	14	8	Surface	Arsenic	1.14E+01	0.1	0.1	0.0	0.1	3%
10	14	8	Surface	Chromium	4.60E+01	0.0	0.0		0.0	0%
10	14	8	Surface	Mercury	7.90E+00	0.0	1.5		1.5	29%
10	14	8	Surface	Nickel	6.73E+02	0.0	2.6	0.0	2.7	52%
10	14	8	Surface	PCB, Total	5.00E+00				0.0	0%
10	14	8	Surface	Silver	9.63E+00	0.0	0.2		0.2	3%
10	14	8	Surface	Total PAH	6.28E-02				0.0	0%
10	14	8	Surface	Uranium	3.35E+02	0.2	0.4	0.0	0.6	12%
10	14	8	Surface	Totals		0.3	4.8	0.0	5.1	
10	14	8	Surface	Percent		6%	94%	0%		

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	9	Surface	Antimony	2.00E+00	0.0	0.1		0.1	2%
10	14	9	Surface	Arsenic	1.40E+01	0.1	0.1	0.0	0.2	3%
10	14	9	Surface	Cadmium	9.40E-01	0.0	0.0	0.0	0.0	0%
10	14	9	Surface	Chromium	4.64E+01	0.0	0.0		0.0	0%
10	14	9	Surface	Mercury	1.13E+00	0.0	0.2		0.2	3%
10	14	9	Surface	Nickel	9.43E+02	0.1	3.7	0.0	3.8	55%
10	14	9	Surface	PCB, Total	6.84E+00				0.0	0%
10	14	9	Surface	Total PAH	4.87E-01				0.0	0%
10	14	9	Surface	Uranium	1.46E+03	0.7	1.9	0.0	2.6	37%
10	14	9	Surface	Totals		0.8	6.1	0.0	6.9	
10	14	9	Surface	Percent		12%	88%	0%		
10	14	10	Surface	Antimony	9.40E-01	0.0	0.1		0.1	1%
10	14	10	Surface	Arsenic	1.12E+01	0.1	0.1	0.0	0.1	2%
10	14	10	Surface	Chromium	4.19E+01	0.0	0.0		0.0	0%
10	14	10	Surface	Copper	1.41E+02	0.0	0.0		0.0	0%
10	14	10	Surface	Iron	2.75E+04	0.1	0.2		0.2	3%
10	14	10	Surface	Mercury	2.51E+01	0.1	4.7		4.8	59%
10	14	10	Surface	Nickel	6.00E+02	0.0	2.3	0.0	2.4	29%
10	14	10	Surface	PCB, Total	9.38E+00				0.0	0%
10	14	10	Surface	Total PAH	2.72E-01				0.0	0%
10	14	10	Surface	Uranium	2.88E+02	0.1	0.4	0.0	0.5	6%
10	14	10	Surface	Totals		0.4	7.7	0.0	8.1	
10	14	10	Surface	Percent		5%	95%	0%		
10	518	1	Surface	Carbazole	1.17E+01				0.0	0%
10	518	1	Surface	Cobalt	6.80E+00	0.0	0.1	0.0	0.1	21%
10	518	1	Surface	Nickel	1.29E+01	0.0	0.1	0.0	0.1	9%
10	518	1	Surface	PCB, Total	6.30E-01				0.0	0%
10	518	1	Surface	Pyrene	3.94E+01	0.0	0.0	0.0	0.0	3%
10	518	1	Surface	Total PAH	3.90E+01				0.0	0%
10	518	1	Surface	Uranium	2.17E+02	0.1	0.3	0.0	0.4	67%
10	518	1	Surface	Totals		0.1	0.4	0.0	0.6	
10	518	1	Surface	Percent		23%	76%	0%		
10	520	1	Surface	Chromium	3.17E+01	0.0	0.0		0.0	0%
10	520	1	Surface	Iron	1.56E+04	0.0	0.1		0.1	3%
10	520	1	Surface	Mercury	1.07E+01	0.0	2.0		2.0	59%
10	520	1	Surface	Nickel	2.60E+02	0.0	1.0	0.0	1.0	30%
10	520	1	Surface	Silver	1.30E+01	0.0	0.2		0.2	6%
10	520	1	Surface	Total PAH	3.18E-02				0.0	0%
10	520	1	Surface	Uranium	2.29E+01	0.0	0.0	0.0	0.0	1%
10	520	1	Surface	Totals		0.1	3.3	0.0	3.4	
10	520	1	Surface	Percent		3%	97%	0%		
10	520	2	Surface	Beryllium	5.79E-01	0.0	0.0	0.0	0.0	1%
10	520	2	Surface	Chromium	6.67E+01	0.0	0.0		0.0	0%
10	520	2	Surface	Manganese	5.89E+02	0.0	0.0	0.0	0.0	1%
10	520	2	Surface	Mercury	1.19E+01	0.1	2.2		2.3	62%
10	520	2	Surface	Nickel	3.11E+02	0.0	1.2	0.0	1.2	34%
10	520	2	Surface	Total PAH	3.17E-01				0.0	0%
10	520	2	Surface	Uranium	3.96E+01	0.0	0.1	0.0	0.1	2%
10	520	2	Surface	Totals		0.1	3.5	0.0	3.6	
10	520	2	Surface	Percent		3%	97%	0%		
10	520	3	Surface	Chromium	3.97E+01	0.0	0.0		0.0	1%
10	520	3	Surface	Copper	1.19E+02	0.0	0.0		0.0	1%
10	520	3	Surface	Nickel	2.65E+02	0.0	1.0	0.0	1.1	80%
10	520	3	Surface	Silver	1.27E+01	0.0	0.2		0.2	15%
10	520	3	Surface	Total PAH	1.18E-01				0.0	0%
10	520	3	Surface	Uranium	1.92E+01	0.0	0.0	0.0	0.0	3%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	520	3	Surface	Totals		0.0	1.3	0.0	1.3	
10	520	3	Surface	Percent		3%	97%	0%		
10	520	4	Surface	Chromium	3.82E+01	0.0	0.0		0.0	0%
10	520	4	Surface	Copper	1.11E+02	0.0	0.0		0.0	0%
10	520	4	Surface	Mercury	9.69E+00	0.0	1.8		1.8	58%
10	520	4	Surface	Nickel	2.82E+02	0.0	1.1	0.0	1.1	35%
10	520	4	Surface	Silver	1.04E+01	0.0	0.2		0.2	5%
10	520	4	Surface	Total PAH	5.52E-01				0.0	0%
10	520	4	Surface	Uranium	2.40E+01	0.0	0.0	0.0	0.0	1%
10	520	4	Surface	Totals		0.1	3.1	0.0	3.2	
10	520	4	Surface	Percent		3%	97%	0%		
10	520	5	Surface	Antimony	9.60E-01	0.0	0.1		0.1	10%
10	520	5	Surface	Chromium	3.68E+01	0.0	0.0		0.0	1%
10	520	5	Surface	Nickel	1.47E+02	0.0	0.6	0.0	0.6	89%
10	520	5	Surface	Total PAH	3.87E-01				0.0	0%
10	520	5	Surface	Totals		0.0	0.6	0.0	0.7	
10	520	5	Surface	Percent		2%	98%	0%		
11	81	1	Surface	Aluminum	9.57E+03	0.0	0.0	0.0	0.1	0%
11	81	1	Surface	Arsenic	1.03E+01	0.0	0.1	0.0	0.1	1%
11	81	1	Surface	Beryllium	7.57E-01	0.0	0.0	0.0	0.0	0%
11	81	1	Surface	Chromium	8.62E+01	0.0	0.0		0.0	0%
11	81	1	Surface	Mercury	8.33E+00	0.0	1.5		1.6	12%
11	81	1	Surface	Nickel	7.29E+01	0.0	0.3	0.0	0.3	2%
11	81	1	Surface	PCB, Total	1.60E+02				0.0	0%
11	81	1	Surface	Silver	2.70E+00	0.0	0.0		0.0	0%
11	81	1	Surface	Total PAH	5.53E-01				0.0	0%
11	81	1	Surface	Uranium	6.50E+03	3.0	8.5	0.0	11.4	84%
11	81	1	Surface	Totals		3.1	10.5	0.0	13.6	
11	81	1	Surface	Percent		23%	77%	0%		
11	153	1	Surface	PCB, Total	5.09E-01				0.0	
11	153	1	Surface	Total PAH	8.69E-02				0.0	
11	153	1	Surface	Totals					0.0	
11	153	1	Surface	Percent						
11	156	1	Surface	Chromium	4.90E+01	0.0	0.0		0.0	0%
11	156	1	Surface	Manganese	2.83E+03	0.0	0.1	0.1	0.1	6%
11	156	1	Surface	Mercury	9.87E+00	0.0	1.8		1.9	81%
11	156	1	Surface	Nickel	6.16E+01	0.0	0.2	0.0	0.2	11%
11	156	1	Surface	PCB, Total	3.00E-01				0.0	0%
11	156	1	Surface	Total PAH	8.26E-02				0.0	0%
11	156	1	Surface	Uranium	2.32E+01	0.0	0.0	0.0	0.0	2%
11	156	1	Surface	Totals		0.1	2.2	0.1	2.3	
11	156	1	Surface	Percent		4%	94%	3%		
11	160	1	Surface	Antimony	6.80E-01	0.0	0.0		0.0	100%
11	160	1	Surface	Total PAH	5.29E-02				0.0	0%
11	160	1	Surface	Totals		0.0	0.0		0.0	
11	160	1	Surface	Percent		5%	95%			
11	163	1	Surface	Chromium	4.94E+01	0.0	0.0		0.0	100%
11	163	1	Surface	Total PAH	1.63E-01				0.0	0%
11	163	1	Surface	Totals		0.0	0.0		0.0	
11	163	1	Surface	Percent		0%	100%			
11	219	1	Surface	Nickel	6.71E+01	0.0	0.3	0.0	0.3	100%
11	219	1	Surface	Total PAH	7.50E-02				0.0	0%
11	219	1	Surface	Totals		0.0	0.3	0.0	0.3	
11	219	1	Surface	Percent		2%	98%	0%		
11	488	1	Surface	PCB, Total	1.03E+01				0.0	0%
11	488	1	Surface	Total PAH	2.50E-01				0.0	0%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.28. HIs for the Adult Residential Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
11	488	1	Surface	Uranium	1.48E+01	0.0	0.0	0.0	0.0	100%
11	488	1	Surface	Totals		0.0	0.0	0.0	0.0	
11	488	1	Surface	Percent		26%	74%	0%		

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	1	1	Surface	Beryllium	3.89E+00	0.0	0.1	0.0	0.1	96%
5	1	1	Surface	Cadmium	1.10E+00	0.0	0.0	0.0	0.0	2%
5	1	1	Surface	Chromium	1.28E+01	0.0	0.0		0.0	2%
5	1	1	Surface	PCB, Total	1.76E-01				0.0	0%
5	1	1	Surface	Totals		0.0	0.1	0.0	0.1	
5	1	1	Surface	Percent		0%	99%	0%		
5	1	2	Surface	Beryllium	8.23E+00	0.0	0.3	0.0	0.3	14%
5	1	2	Surface	Cadmium	6.46E+00	0.0	0.0	0.0	0.0	1%
5	1	2	Surface	Chromium	2.01E+02	0.0	0.0		0.0	2%
5	1	2	Surface	Copper	1.81E+02	0.0	0.0		0.0	1%
5	1	2	Surface	Mercury	5.94E+00	0.0	0.9		0.9	48%
5	1	2	Surface	Nickel	5.75E+01	0.0	0.2	0.0	0.2	10%
5	1	2	Surface	PCB, Total	3.21E+01				0.0	0%
5	1	2	Surface	Silver	3.31E+01	0.0	0.4		0.4	23%
5	1	2	Surface	Thallium	3.70E-01	0.0	0.0		0.0	1%
5	1	2	Surface	Vanadium	3.49E+01	0.0	0.0		0.0	1%
5	1	2	Surface	Totals		0.0	2.0	0.0	2.0	
5	1	2	Surface	Percent		1%	99%	0%		
5	1	3	Surface	Chromium	1.45E+01	0.0	0.0		0.0	100%
5	1	3	Surface	PCB, Total	2.17E-01				0.0	0%
5	1	3	Surface	Totals		0.0	0.0		0.0	
5	1	3	Surface	Percent		0%	100%			
5	1	4	Surface	Beryllium	7.25E-01	0.0	0.0	0.0	0.0	12%
5	1	4	Surface	Chromium	9.30E+01	0.0	0.0		0.0	8%
5	1	4	Surface	Nickel	4.69E+01	0.0	0.2	0.0	0.2	80%
5	1	4	Surface	PCB, Total	1.30E-01				0.0	0%
5	1	4	Surface	Totals		0.0	0.2	0.0	0.2	
5	1	4	Surface	Percent		0%	100%	0%		
5	1	5	Surface	Beryllium	8.30E+00	0.0	0.3	0.0	0.3	67%
5	1	5	Surface	Cadmium	1.20E+00	0.0	0.0	0.0	0.0	1%
5	1	5	Surface	Nickel	4.07E+01	0.0	0.1	0.0	0.1	33%
5	1	5	Surface	PCB, Total	2.70E-01				0.0	0%
5	1	5	Surface	Total PAH	9.83E-02				0.0	0%
5	1	5	Surface	Totals		0.0	0.4	0.0	0.4	
5	1	5	Surface	Percent		0%	100%	0%		
5	99	1	Surface	Chromium	5.51E+01	0.0	0.0		0.0	0%
5	99	1	Surface	Mercury	9.53E+00	0.0	1.5		1.5	80%
5	99	1	Surface	Nickel	7.02E+01	0.0	0.2	0.0	0.2	12%
5	99	1	Surface	Silver	1.03E+01	0.0	0.1		0.1	7%
5	99	1	Surface	Totals		0.0	1.9	0.0	1.9	
5	99	1	Surface	Percent		0%	100%	0%		
5	194	1	Surface	Antimony	1.50E+00	0.0	0.1		0.1	6%
5	194	1	Surface	Chromium	3.87E+01	0.0	0.0		0.0	0%
5	194	1	Surface	Mercury	6.71E+00	0.0	1.1		1.1	71%
5	194	1	Surface	Nickel	5.84E+01	0.0	0.2	0.0	0.2	13%
5	194	1	Surface	Silver	1.09E+01	0.0	0.1		0.1	10%
5	194	1	Surface	Totals		0.0	1.5	0.0	1.5	
5	194	1	Surface	Percent		0%	100%	0%		
5	194	2	Surface	Chromium	5.96E+01	0.0	0.0		0.0	5%
5	194	2	Surface	Silver	1.31E+01	0.0	0.2		0.2	83%
5	194	2	Surface	Uranium	2.28E+01	0.0	0.0	0.0	0.0	13%
5	194	2	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	2	Surface	Percent		1%	99%	0%		
5	194	3	Surface	Antimony	6.90E-01	0.0	0.0		0.0	11%
5	194	3	Surface	Arsenic	1.46E+01	0.0	0.1	0.0	0.1	29%
5	194	3	Surface	Chromium	3.90E+01	0.0	0.0		0.0	2%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	3	Surface	Nickel	6.40E+01	0.0	0.2	0.0	0.2	58%
5	194	3	Surface	Total PAH	3.93E-02				0.0	0%
5	194	3	Surface	Totals		0.0	0.4	0.0	0.4	
5	194	3	Surface	Percent		3%	97%	0%		
5	194	4	Surface	Chromium	4.84E+01	0.0	0.0		0.0	0%
5	194	4	Surface	Mercury	8.92E+00	0.0	1.4		1.4	78%
5	194	4	Surface	Nickel	6.91E+01	0.0	0.2	0.0	0.2	13%
5	194	4	Surface	Silver	1.18E+01	0.0	0.2		0.2	9%
5	194	4	Surface	Total PAH	7.30E-02				0.0	0%
5	194	4	Surface	Totals		0.0	1.8	0.0	1.8	
5	194	4	Surface	Percent		0%	100%	0%		
5	194	5	Surface	Chromium	4.58E+01	0.0	0.0		0.0	0%
5	194	5	Surface	Mercury	8.69E+00	0.0	1.4		1.4	76%
5	194	5	Surface	Nickel	7.54E+01	0.0	0.3	0.0	0.3	14%
5	194	5	Surface	Silver	1.25E+01	0.0	0.2		0.2	9%
5	194	5	Surface	Total PAH	2.37E-02				0.0	0%
5	194	5	Surface	Totals		0.0	1.8	0.0	1.8	
5	194	5	Surface	Percent		0%	100%	0%		
5	194	6	Surface	Chromium	3.70E+01	0.0	0.0		0.0	1%
5	194	6	Surface	Manganese	1.08E+03	0.0	0.0	0.0	0.0	7%
5	194	6	Surface	Nickel	8.06E+01	0.0	0.3	0.0	0.3	61%
5	194	6	Surface	Silver	9.89E+00	0.0	0.1		0.1	30%
5	194	6	Surface	Totals		0.0	0.4	0.0	0.4	
5	194	6	Surface	Percent		1%	97%	2%		
5	194	7	Surface	Chromium	5.32E+01	0.0	0.0		0.0	2%
5	194	7	Surface	Nickel	7.71E+01	0.0	0.3	0.0	0.3	59%
5	194	7	Surface	Silver	1.25E+01	0.0	0.2		0.2	38%
5	194	7	Surface	Totals		0.0	0.4	0.0	0.4	
5	194	7	Surface	Percent		0%	100%	0%		
5	194	8	Surface	Bis(2-ethylhexyl)phthalate	1.50E+01	0.0	0.0		0.0	14%
5	194	8	Surface	Chromium	5.36E+01	0.0	0.0		0.0	25%
5	194	8	Surface	Manganese	8.00E+02	0.0	0.0	0.0	0.0	62%
5	194	8	Surface	Total PAH	4.85E-01				0.0	0%
5	194	8	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	8	Surface	Percent		3%	79%	18%		
5	194	9	Surface	Arsenic	1.14E+01	0.0	0.1	0.0	0.1	90%
5	194	9	Surface	Chromium	5.17E+01	0.0	0.0		0.0	10%
5	194	9	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	9	Surface	Percent		8%	92%	0%		
5	194	10	Surface	Arsenic	1.22E+01	0.0	0.1	0.0	0.1	25%
5	194	10	Surface	Chromium	3.63E+01	0.0	0.0		0.0	2%
5	194	10	Surface	Nickel	7.60E+01	0.0	0.3	0.0	0.3	73%
5	194	10	Surface	Total PAH	2.57E-01				0.0	0%
5	194	10	Surface	Totals		0.0	0.3	0.0	0.4	
5	194	10	Surface	Percent		2%	97%	0%		
5	194	11	Surface	Chromium	3.27E+01	0.0	0.0		0.0	0%
5	194	11	Surface	Mercury	8.09E+00	0.0	1.3		1.3	71%
5	194	11	Surface	Nickel	1.01E+02	0.0	0.3	0.0	0.3	19%
5	194	11	Surface	PCB, Total	8.40E-02				0.0	0%
5	194	11	Surface	Silver	1.33E+01	0.0	0.2		0.2	10%
5	194	11	Surface	Total PAH	7.95E-02				0.0	0%
5	194	11	Surface	Totals		0.0	1.8	0.0	1.8	
5	194	11	Surface	Percent		0%	100%	0%		
5	194	12	Surface	Chromium	6.34E+01	0.0	0.0		0.0	2%
5	194	12	Surface	Nickel	7.86E+01	0.0	0.3	0.0	0.3	61%
5	194	12	Surface	Silver	1.20E+01	0.0	0.2		0.2	37%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	12	Surface	Total PAH	8.91E-01				0.0	0%
5	194	12	Surface	Totals		0.0	0.4	0.0	0.4	
5	194	12	Surface	Percent		0%	100%	0%		
5	194	13	Surface	Chromium	4.77E+01	0.0	0.0		0.0	4%
5	194	13	Surface	Nickel	6.03E+01	0.0	0.2	0.0	0.2	96%
5	194	13	Surface	Total PAH	9.13E-02				0.0	0%
5	194	13	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	13	Surface	Percent		0%	100%	0%		
5	194	14	Surface	Chromium	5.21E+01	0.0	0.0		0.0	1%
5	194	14	Surface	Mercury	8.14E+00	0.0	1.3		1.3	99%
5	194	14	Surface	Totals		0.0	1.3		1.3	
5	194	14	Surface	Percent		0%	100%			
5	194	15	Surface	Chromium	5.33E+01	0.0	0.0		0.0	6%
5	194	15	Surface	Silver	1.03E+01	0.0	0.1		0.1	94%
5	194	15	Surface	Totals		0.0	0.1		0.1	
5	194	15	Surface	Percent		0%	100%			
5	194	16	Surface	Antimony	7.40E-01	0.0	0.0		0.0	9%
5	194	16	Surface	Arsenic	1.15E+01	0.0	0.1	0.0	0.1	19%
5	194	16	Surface	Beryllium	8.70E-01	0.0	0.0	0.0	0.0	6%
5	194	16	Surface	Chromium	5.32E+01	0.0	0.0		0.0	2%
5	194	16	Surface	Nickel	7.20E+01	0.0	0.2	0.0	0.2	54%
5	194	16	Surface	Thallium	6.30E-01	0.0	0.0		0.0	6%
5	194	16	Surface	Vanadium	4.11E+01	0.0	0.0		0.0	4%
5	194	16	Surface	Totals		0.0	0.4	0.0	0.5	
5	194	16	Surface	Percent		2%	97%	0%		
5	194	17	Surface	Arsenic	1.16E+01	0.0	0.1	0.0	0.1	88%
5	194	17	Surface	Cadmium	1.10E+00	0.0	0.0	0.0	0.0	3%
5	194	17	Surface	Chromium	4.65E+01	0.0	0.0		0.0	8%
5	194	17	Surface	Total PAH	1.59E-01				0.0	0%
5	194	17	Surface	Totals		0.0	0.1	0.0	0.1	
5	194	17	Surface	Percent		8%	92%	0%		
5	194	18	Surface	Arsenic	1.06E+01	0.0	0.1	0.0	0.1	25%
5	194	18	Surface	Beryllium	7.40E-01	0.0	0.0	0.0	0.0	8%
5	194	18	Surface	Chromium	6.85E+01	0.0	0.0		0.0	4%
5	194	18	Surface	Nickel	5.78E+01	0.0	0.2	0.0	0.2	63%
5	194	18	Surface	Totals		0.0	0.3	0.0	0.3	
5	194	18	Surface	Percent		2%	97%	0%		
5	194	19	Surface	Arsenic	1.07E+01	0.0	0.1	0.0	0.1	28%
5	194	19	Surface	Chromium	4.84E+01	0.0	0.0		0.0	3%
5	194	19	Surface	Nickel	5.84E+01	0.0	0.2	0.0	0.2	69%
5	194	19	Surface	Totals		0.0	0.3	0.0	0.3	
5	194	19	Surface	Percent		3%	97%	0%		
5	194	20	Surface	Arsenic	1.18E+01	0.0	0.1	0.0	0.1	4%
5	194	20	Surface	Barium	3.26E+02	0.0	0.1	0.0	0.1	4%
5	194	20	Surface	Beryllium	1.10E+00	0.0	0.0	0.0	0.0	2%
5	194	20	Surface	Chromium	5.24E+01	0.0	0.0		0.0	0%
5	194	20	Surface	Cobalt	2.11E+01	0.0	0.2	0.0	0.2	12%
5	194	20	Surface	Manganese	2.29E+03	0.0	0.0	0.0	0.1	3%
5	194	20	Surface	Mercury	7.28E+00	0.0	1.2		1.2	56%
5	194	20	Surface	Nickel	6.57E+01	0.0	0.2	0.0	0.2	11%
5	194	20	Surface	Silver	1.22E+01	0.0	0.2		0.2	8%
5	194	20	Surface	Total PAH	3.10E-02				0.0	0%
5	194	20	Surface	Vanadium	3.81E+01	0.0	0.0		0.0	1%
5	194	20	Surface	Totals		0.0	2.0	0.0	2.1	
5	194	20	Surface	Percent		1%	97%	1%		
5	194	21	Surface	Antimony	9.30E-01	0.0	0.1		0.1	4%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	21	Surface	Chromium	5.51E+01	0.0	0.0		0.0	1%
5	194	21	Surface	Mercury	6.62E+00	0.0	1.1		1.1	76%
5	194	21	Surface	Nickel	7.01E+01	0.0	0.2	0.0	0.2	17%
5	194	21	Surface	Thallium	6.40E-01	0.0	0.0		0.0	2%
5	194	21	Surface	Totals		0.0	1.4	0.0	1.4	
5	194	21	Surface	Percent		0%	99%	0%		
5	194	22	Surface	Chromium	4.90E+01	0.0	0.0		0.0	26%
5	194	22	Surface	Manganese	8.19E+02	0.0	0.0	0.0	0.0	74%
5	194	22	Surface	PCB, Total	1.09E+01				0.0	0%
5	194	22	Surface	Totals		0.0	0.0	0.0	0.0	
5	194	22	Surface	Percent		3%	75%	21%		
5	194	23	Surface	Arsenic	1.16E+01	0.0	0.1	0.0	0.1	13%
5	194	23	Surface	Chromium	6.60E+01	0.0	0.0		0.0	2%
5	194	23	Surface	Iron	1.83E+04	0.0	0.1		0.1	14%
5	194	23	Surface	Nickel	8.77E+01	0.0	0.3	0.0	0.3	46%
5	194	23	Surface	Silver	1.15E+01	0.0	0.2		0.2	24%
5	194	23	Surface	Totals		0.0	0.6	0.0	0.6	
5	194	23	Surface	Percent		2%	98%	0%		
5	194	24	Surface	Chromium	5.02E+01	0.0	0.0		0.0	3%
5	194	24	Surface	Nickel	7.08E+01	0.0	0.2	0.0	0.2	97%
5	194	24	Surface	Total PAH	2.28E-02				0.0	0%
5	194	24	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	24	Surface	Percent		0%	100%	0%		
5	194	25	Surface	Barium	3.00E+02	0.0	0.1	0.0	0.1	22%
5	194	25	Surface	Chromium	6.13E+01	0.0	0.0		0.0	3%
5	194	25	Surface	Manganese	9.96E+02	0.0	0.0	0.0	0.0	9%
5	194	25	Surface	Nickel	6.33E+01	0.0	0.2	0.0	0.2	66%
5	194	25	Surface	Total PAH	2.06E-02				0.0	0%
5	194	25	Surface	Totals		0.0	0.3	0.0	0.3	
5	194	25	Surface	Percent		1%	97%	3%		
5	194	26	Surface	Beryllium	7.00E-01	0.0	0.0	0.0	0.0	13%
5	194	26	Surface	Chromium	4.18E+01	0.0	0.0		0.0	4%
5	194	26	Surface	Silver	1.03E+01	0.0	0.1		0.1	74%
5	194	26	Surface	Thallium	3.90E-01	0.0	0.0		0.0	9%
5	194	26	Surface	Totals		0.0	0.2	0.0	0.2	
5	194	26	Surface	Percent		1%	99%	0%		
5	194	27	Surface	Chromium	5.22E+01	0.0	0.0		0.0	2%
5	194	27	Surface	Nickel	6.55E+01	0.0	0.2	0.0	0.2	60%
5	194	27	Surface	Silver	1.01E+01	0.0	0.1		0.1	37%
5	194	27	Surface	Totals		0.0	0.4	0.0	0.4	
5	194	27	Surface	Percent		0%	100%	0%		
5	194	28	Surface	Arsenic	1.20E+01	0.0	0.1	0.0	0.1	16%
5	194	28	Surface	Beryllium	7.10E-01	0.0	0.0	0.0	0.0	4%
5	194	28	Surface	Chromium	6.07E+01	0.0	0.0		0.0	2%
5	194	28	Surface	Manganese	1.14E+03	0.0	0.0	0.0	0.0	6%
5	194	28	Surface	Nickel	6.95E+01	0.0	0.2	0.0	0.2	42%
5	194	28	Surface	Silver	1.08E+01	0.0	0.1		0.1	26%
5	194	28	Surface	Vanadium	4.06E+01	0.0	0.0		0.0	3%
5	194	28	Surface	Totals		0.0	0.5	0.0	0.5	
5	194	28	Surface	Percent		2%	96%	2%		
5	194	29	Surface	Antimony	7.10E-01	0.0	0.0		0.0	10%
5	194	29	Surface	Chromium	5.06E+01	0.0	0.0		0.0	2%
5	194	29	Surface	Nickel	6.51E+01	0.0	0.2	0.0	0.2	55%
5	194	29	Surface	Silver	9.77E+00	0.0	0.1		0.1	33%
5	194	29	Surface	Totals		0.0	0.4	0.0	0.4	
5	194	29	Surface	Percent		0%	100%	0%		

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
5	194	30	Surface	Chromium	5.66E+01	0.0	0.0		0.0	1%
5	194	30	Surface	Mercury	8.80E+00	0.0	1.4		1.4	79%
5	194	30	Surface	Nickel	6.99E+01	0.0	0.2	0.0	0.2	13%
5	194	30	Surface	Silver	9.76E+00	0.0	0.1		0.1	7%
5	194	30	Surface	Totals		0.0	1.8	0.0	1.8	
5	194	30	Surface	Percent		0%	100%	0%		
5	196	1	Surface	Antimony	5.90E-01	0.0	0.0		0.0	2%
5	196	1	Surface	Chromium	1.96E+01	0.0	0.0		0.0	0%
5	196	1	Surface	Nickel	5.56E+02	0.0	1.9	0.0	1.9	97%
5	196	1	Surface	Uranium	2.33E+01	0.0	0.0	0.0	0.0	1%
5	196	1	Surface	Totals		0.0	1.9	0.0	1.9	
5	196	1	Surface	Percent		0%	100%	0%		
5	196	2	Surface	Barium	2.02E+02	0.0	0.0	0.0	0.0	16%
5	196	2	Surface	Cadmium	2.53E+00	0.0	0.0	0.0	0.0	2%
5	196	2	Surface	Chromium	2.07E+01	0.0	0.0		0.0	1%
5	196	2	Surface	Nickel	7.36E+01	0.0	0.2	0.0	0.2	81%
5	196	2	Surface	PCB, Total	1.51E+00				0.0	0%
5	196	2	Surface	Total PAH	6.80E-01				0.0	0%
5	196	2	Surface	Totals		0.0	0.3	0.0	0.3	
5	196	2	Surface	Percent		0%	99%	0%		
5	489	1	Surface	Chromium	4.16E+01	0.0	0.0		0.0	3%
5	489	1	Surface	Nickel	7.88E+01	0.0	0.3	0.0	0.3	97%
5	489	1	Surface	Total PAH	8.22E-02				0.0	0%
5	489	1	Surface	Totals		0.0	0.3	0.0	0.3	
5	489	1	Surface	Percent		0%	100%	0%		
5	531	1	Surface	Antimony	1.00E+00	0.0	0.1		0.1	4%
5	531	1	Surface	Arsenic	4.68E+01	0.0	0.3	0.0	0.3	26%
5	531	1	Surface	Cadmium	3.10E+00	0.0	0.0	0.0	0.0	1%
5	531	1	Surface	Chromium	5.05E+01	0.0	0.0		0.0	1%
5	531	1	Surface	Iron	5.68E+04	0.0	0.3		0.3	22%
5	531	1	Surface	Nickel	1.62E+02	0.0	0.5	0.0	0.5	42%
5	531	1	Surface	Total PAH	5.34E-02				0.0	0%
5	531	1	Surface	Uranium	2.41E+01	0.0	0.0	0.0	0.0	2%
5	531	1	Surface	Zinc	2.45E+03	0.0	0.0		0.0	2%
5	531	1	Surface	Totals		0.0	1.3	0.0	1.3	
5	531	1	Surface	Percent		4%	96%	0%		
6	200	1	Surface	Antimony	5.60E-01	0.0	0.0		0.0	2%
6	200	1	Surface	Chromium	5.75E+01	0.0	0.0		0.0	1%
6	200	1	Surface	Mercury	6.71E+00	0.0	1.1		1.1	68%
6	200	1	Surface	Nickel	1.28E+02	0.0	0.4	0.0	0.4	27%
6	200	1	Surface	PCB, Total	2.60E+00				0.0	0%
6	200	1	Surface	Total PAH	2.84E-02				0.0	0%
6	200	1	Surface	Uranium	2.73E+01	0.0	0.0	0.0	0.0	2%
6	200	1	Surface	Totals		0.0	1.6	0.0	1.6	
6	200	1	Surface	Percent		0%	99%	0%		
6	212	1	Surface	Arsenic	1.44E+01	0.0	0.1	0.0	0.1	16%
6	212	1	Surface	Beryllium	8.10E-01	0.0	0.0	0.0	0.0	4%
6	212	1	Surface	Chromium	3.58E+01	0.0	0.0		0.0	1%
6	212	1	Surface	Iron	4.14E+04	0.0	0.2		0.2	31%
6	212	1	Surface	Nickel	8.69E+01	0.0	0.3	0.0	0.3	44%
6	212	1	Surface	PCB, Total	1.80E-01				0.0	0%
6	212	1	Surface	Uranium	2.30E+01	0.0	0.0	0.0	0.0	4%
6	212	1	Surface	Totals		0.0	0.6	0.0	0.7	
6	212	1	Surface	Percent		3%	97%	0%		
6	213	1	Surface	Antimony	8.50E-01	0.0	0.0		0.0	10%
6	213	1	Surface	Chromium	4.78E+01	0.0	0.0		0.0	2%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	213	1	Surface	Nickel	6.67E+01	0.0	0.2	0.0	0.2	49%
6	213	1	Surface	PCB, Total	7.30E-02				0.0	0%
6	213	1	Surface	Silver	1.32E+01	0.0	0.2		0.2	39%
6	213	1	Surface	Total PAH	1.72E-01				0.0	0%
6	213	1	Surface	Totals		0.0	0.5	0.0	0.5	
6	213	1	Surface	Percent		0%	100%	0%		
6	213	2	Surface	Chromium	4.48E+01	0.0	0.0		0.0	2%
6	213	2	Surface	Nickel	9.10E+01	0.0	0.3	0.0	0.3	66%
6	213	2	Surface	Silver	1.13E+01	0.0	0.2		0.2	33%
6	213	2	Surface	Totals		0.0	0.5	0.0	0.5	
6	213	2	Surface	Percent		0%	100%	0%		
6	214	1	Surface	Antimony	5.70E-01	0.0	0.0		0.0	100%
6	214	1	Surface	Totals		0.0	0.0		0.0	
6	214	1	Surface	Percent		1%	99%			
6	215	1	Surface	Antimony	6.80E-01	0.0	0.0		0.0	8%
6	215	1	Surface	Chromium	5.73E+01	0.0	0.0		0.0	2%
6	215	1	Surface	Iron	3.87E+04	0.0	0.2		0.2	40%
6	215	1	Surface	Nickel	7.32E+01	0.0	0.2	0.0	0.2	50%
6	215	1	Surface	Total PAH	8.09E-02				0.0	0%
6	215	1	Surface	Totals		0.0	0.5	0.0	0.5	
6	215	1	Surface	Percent		2%	98%	0%		
6	216	1	Surface	Chromium	2.38E+01	0.0	0.0		0.0	100%
6	216	1	Surface	Total PAH	1.49E-01				0.0	0%
6	216	1	Surface	Totals		0.0	0.0		0.0	
6	216	1	Surface	Percent		0%	100%			
6	217	1	Surface	Chromium	8.58E+01	0.0	0.0		0.0	2%
6	217	1	Surface	Cobalt	1.96E+01	0.0	0.2	0.0	0.2	31%
6	217	1	Surface	Manganese	7.70E+02	0.0	0.0	0.0	0.0	3%
6	217	1	Surface	Nickel	8.54E+01	0.0	0.3	0.0	0.3	39%
6	217	1	Surface	Silver	1.35E+01	0.0	0.2		0.2	25%
6	217	1	Surface	Totals		0.0	0.7	0.0	0.7	
6	217	1	Surface	Percent		2%	97%	1%		
6	217	2	Surface	Antimony	1.70E+00	0.0	0.1		0.1	4%
6	217	2	Surface	Arsenic	1.12E+01	0.0	0.1	0.0	0.1	3%
6	217	2	Surface	Chromium	1.02E+02	0.0	0.0		0.0	1%
6	217	2	Surface	Cobalt	1.74E+01	0.0	0.2	0.0	0.2	8%
6	217	2	Surface	Iron	3.09E+04	0.0	0.1		0.2	6%
6	217	2	Surface	Manganese	8.44E+02	0.0	0.0	0.0	0.0	1%
6	217	2	Surface	Mercury	8.59E+00	0.0	1.4		1.4	55%
6	217	2	Surface	Nickel	9.74E+01	0.0	0.3	0.0	0.3	13%
6	217	2	Surface	Silver	1.61E+01	0.0	0.2		0.2	9%
6	217	2	Surface	Total PAH	5.05E-01				0.0	0%
6	217	2	Surface	Totals		0.0	2.5	0.0	2.5	
6	217	2	Surface	Percent		1%	98%	0%		
6	221	1	Surface	Barium	2.21E+02	0.0	0.1	0.0	0.1	12%
6	221	1	Surface	Chromium	7.01E+01	0.0	0.0		0.0	3%
6	221	1	Surface	Iron	1.90E+04	0.0	0.1		0.1	21%
6	221	1	Surface	Nickel	7.93E+01	0.0	0.3	0.0	0.3	60%
6	221	1	Surface	PCB, Total	5.00E-01				0.0	0%
6	221	1	Surface	Total PAH	1.02E+00				0.0	0%
6	221	1	Surface	Uranium	1.64E+01	0.0	0.0	0.0	0.0	4%
6	221	1	Surface	Totals		0.0	0.4	0.0	0.4	
6	221	1	Surface	Percent		2%	98%	0%		
6	222	1	Surface	Chromium	4.73E+01	0.0	0.0		0.0	2%
6	222	1	Surface	Nickel	9.19E+01	0.0	0.3	0.0	0.3	88%
6	222	1	Surface	PCB, Total	1.40E+00				0.0	0%

SWMU = solid waste management unit
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HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
6	222	1	Surface	Total PAH	1.77E-01				0.0	0%
6	222	1	Surface	Uranium	2.80E+01	0.0	0.0	0.0	0.0	9%
6	222	1	Surface	Totals		0.0	0.3	0.0	0.3	
6	222	1	Surface	Percent		1%	99%	0%		
6	227	1	Surface	Beryllium	5.52E-01	0.0	0.0	0.0	0.0	2%
6	227	1	Surface	Chromium	4.71E+01	0.0	0.0		0.0	1%
6	227	1	Surface	Nickel	2.03E+02	0.0	0.7	0.0	0.7	82%
6	227	1	Surface	PCB, Total	4.14E+00				0.0	0%
6	227	1	Surface	Total PAH	3.38E-01				0.0	0%
6	227	1	Surface	Uranium	1.02E+02	0.0	0.1	0.0	0.1	14%
6	227	1	Surface	Totals		0.0	0.8	0.0	0.8	
6	227	1	Surface	Percent		1%	99%	0%		
6	227	2	Surface	Beryllium	5.32E-01	0.0	0.0	0.0	0.0	1%
6	227	2	Surface	Chromium	5.63E+01	0.0	0.0		0.0	1%
6	227	2	Surface	Cobalt	8.99E+00	0.0	0.1	0.0	0.1	6%
6	227	2	Surface	Mercury	8.41E+00	0.0	1.3		1.3	70%
6	227	2	Surface	Nickel	1.25E+02	0.0	0.4	0.0	0.4	22%
6	227	2	Surface	PCB, Total	5.82E+00				0.0	0%
6	227	2	Surface	Total PAH	1.16E-01				0.0	0%
6	227	2	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	1%
6	227	2	Surface	Totals		0.0	1.9	0.0	1.9	
6	227	2	Surface	Percent		1%	99%	0%		
6	228	1	Surface	Antimony	6.30E-01	0.0	0.0		0.0	2%
6	228	1	Surface	Cadmium	3.90E+00	0.0	0.0	0.0	0.0	1%
6	228	1	Surface	Chromium	1.89E+02	0.0	0.0		0.0	2%
6	228	1	Surface	Mercury	9.37E+00	0.0	1.5		1.5	74%
6	228	1	Surface	Nickel	7.92E+01	0.0	0.3	0.0	0.3	13%
6	228	1	Surface	Silver	1.16E+01	0.0	0.2		0.2	8%
6	228	1	Surface	Total PAH	6.69E-02				0.0	0%
6	228	1	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	1%
6	228	1	Surface	Totals		0.0	2.0	0.0	2.0	
6	228	1	Surface	Percent		0%	100%	0%		
7	76	1	Surface	Barium	2.69E+02	0.0	0.1	0.0	0.1	100%
7	76	1	Surface	PCB, Total	2.60E-01				0.0	0%
7	76	1	Surface	Total PAH	1.76E+00				0.0	0%
7	76	1	Surface	Totals		0.0	0.1	0.0	0.1	
7	76	1	Surface	Percent		0%	99%	0%		
7	165	1	Surface	Antimony	2.20E+00	0.0	0.1		0.1	8%
7	165	1	Surface	Arsenic	6.35E+01	0.0	0.4	0.0	0.5	31%
7	165	1	Surface	Barium	5.84E+02	0.0	0.1	0.0	0.1	9%
7	165	1	Surface	Beryllium	6.82E-01	0.0	0.0	0.0	0.0	2%
7	165	1	Surface	Chromium	3.74E+01	0.0	0.0		0.0	0%
7	165	1	Surface	Mercury	3.78E-01	0.0	0.1		0.1	4%
7	165	1	Surface	Naphthalene	1.61E+00	0.0	0.0	0.0	0.0	1%
7	165	1	Surface	Nickel	3.47E+01	0.0	0.1	0.0	0.1	8%
7	165	1	Surface	PCB, Total	8.27E+00				0.0	0%
7	165	1	Surface	Silver	3.09E+01	0.0	0.4		0.4	28%
7	165	1	Surface	Total PAH	1.87E+00				0.0	0%
7	165	1	Surface	Uranium	1.08E+02	0.0	0.1	0.0	0.1	9%
7	165	1	Surface	Totals		0.0	1.4	0.0	1.5	
7	165	1	Surface	Percent		3%	96%	1%		
8	158	1	Surface	Antimony	5.23E-01	0.0	0.0		0.0	1%
8	158	1	Surface	Arsenic	1.01E+01	0.0	0.1	0.0	0.1	3%
8	158	1	Surface	Barium	2.19E+02	0.0	0.1	0.0	0.1	2%
8	158	1	Surface	Chromium	6.07E+01	0.0	0.0		0.0	0%
8	158	1	Surface	Cobalt	1.62E+01	0.0	0.2	0.0	0.2	8%

SWMU = solid waste management unit
EU = exposure unit
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HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
8	158	1	Surface	Manganese	9.91E+02	0.0	0.0	0.0	0.0	1%
8	158	1	Surface	Mercury	1.05E+01	0.0	1.7		1.7	71%
8	158	1	Surface	Nickel	7.28E+01	0.0	0.2	0.0	0.2	10%
8	158	1	Surface	Thallium	3.12E-01	0.0	0.0		0.0	1%
8	158	1	Surface	Total PAH	3.69E-01				0.0	0%
8	158	1	Surface	Uranium	2.03E+01	0.0	0.0	0.0	0.0	1%
8	158	1	Surface	Totals		0.0	2.3	0.0	2.3	
8	158	1	Surface	Percent		1%	98%	0%		
8	169	1	Surface	Aluminum	1.42E+04	0.0	0.0	0.0	0.1	1%
8	169	1	Surface	Antimony	1.30E+00	0.0	0.1		0.1	2%
8	169	1	Surface	Arsenic	2.03E+01	0.0	0.1	0.0	0.1	4%
8	169	1	Surface	Beryllium	8.00E-01	0.0	0.0	0.0	0.0	1%
8	169	1	Surface	Chromium	2.15E+02	0.0	0.0		0.0	1%
8	169	1	Surface	Copper	3.74E+02	0.0	0.0		0.0	1%
8	169	1	Surface	Iron	4.16E+04	0.0	0.2		0.2	6%
8	169	1	Surface	Mercury	7.87E+00	0.0	1.3		1.3	33%
8	169	1	Surface	Nickel	5.49E+02	0.0	1.8	0.0	1.8	49%
8	169	1	Surface	PCB, Total	1.00E+01				0.0	0%
8	169	1	Surface	Thallium	4.60E-01	0.0	0.0		0.0	1%
8	169	1	Surface	Total PAH	4.59E+00				0.0	0%
8	169	1	Surface	Uranium	5.03E+01	0.0	0.1	0.0	0.1	2%
8	169	1	Surface	Totals		0.0	3.7	0.0	3.8	
8	169	1	Surface	Percent		1%	99%	0%		
9	19	1	Surface	Beryllium	1.10E+00	0.0	0.0	0.0	0.0	44%
9	19	1	Surface	Cadmium	1.20E+00	0.0	0.0	0.0	0.0	4%
9	19	1	Surface	Thallium	9.80E-01	0.0	0.0		0.0	52%
9	19	1	Surface	Total PAH	5.23E+00				0.0	0%
9	19	1	Surface	Totals		0.0	0.1	0.0	0.1	
9	19	1	Surface	Percent		3%	97%	0%		
9	138	1	Surface	Antimony	5.39E+00	0.0	0.3		0.3	11%
9	138	1	Surface	Arsenic	1.06E+01	0.0	0.1	0.0	0.1	3%
9	138	1	Surface	Cadmium	5.42E+00	0.0	0.0	0.0	0.0	1%
9	138	1	Surface	Chromium	5.39E+01	0.0	0.0		0.0	0%
9	138	1	Surface	Mercury	1.30E+01	0.0	2.1		2.1	73%
9	138	1	Surface	Nickel	7.04E+01	0.0	0.2	0.0	0.2	8%
9	138	1	Surface	PCB, Total	5.00E-01				0.0	0%
9	138	1	Surface	Silver	1.01E+01	0.0	0.1		0.1	5%
9	138	1	Surface	Total PAH	9.74E-02				0.0	0%
9	138	1	Surface	Totals		0.0	2.8	0.0	2.9	
9	138	1	Surface	Percent		1%	99%	0%		
9	138	2	Surface	Nickel	7.99E+01	0.0	0.3	0.0	0.3	66%
9	138	2	Surface	PCB, Total	9.20E-02				0.0	0%
9	138	2	Surface	Silver	1.04E+01	0.0	0.1		0.1	34%
9	138	2	Surface	Total PAH	3.84E-02				0.0	0%
9	138	2	Surface	Totals		0.0	0.4	0.0	0.4	
9	138	2	Surface	Percent		0%	100%	0%		
9	180	1	Surface	Antimony	5.80E-01	0.0	0.0		0.0	1%
9	180	1	Surface	Arsenic	7.48E+01	0.0	0.5	0.0	0.5	25%
9	180	1	Surface	Chromium	5.54E+01	0.0	0.0		0.0	0%
9	180	1	Surface	Mercury	8.28E+00	0.0	1.3		1.3	60%
9	180	1	Surface	Nickel	8.77E+01	0.0	0.3	0.0	0.3	13%
9	180	1	Surface	Totals		0.1	2.2	0.0	2.2	
9	180	1	Surface	Percent		2%	98%	0%		
9	180	2	Surface	Antimony	4.58E-01	0.0	0.0		0.0	6%
9	180	2	Surface	Arsenic	1.27E+01	0.0	0.1	0.0	0.1	23%
9	180	2	Surface	Chromium	4.46E+01	0.0	0.0		0.0	2%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	180	2	Surface	Nickel	8.42E+01	0.0	0.3	0.0	0.3	69%
9	180	2	Surface	Total PAH	9.19E-02				0.0	0%
9	180	2	Surface	Totals		0.0	0.4	0.0	0.4	
9	180	2	Surface	Percent		2%	98%	0%		
9	180	3	Surface	Arsenic	1.34E+01	0.0	0.1	0.0	0.1	20%
9	180	3	Surface	Chromium	4.69E+01	0.0	0.0		0.0	2%
9	180	3	Surface	Nickel	6.77E+01	0.0	0.2	0.0	0.2	47%
9	180	3	Surface	Silver	1.14E+01	0.0	0.2		0.2	31%
9	180	3	Surface	Totals		0.0	0.5	0.0	0.5	
9	180	3	Surface	Percent		2%	98%	0%		
9	180	4	Surface	Arsenic	1.15E+01	0.0	0.1	0.0	0.1	13%
9	180	4	Surface	Barium	2.13E+02	0.0	0.1	0.0	0.1	8%
9	180	4	Surface	Beryllium	1.60E+00	0.0	0.1	0.0	0.1	8%
9	180	4	Surface	Chromium	6.00E+01	0.0	0.0		0.0	2%
9	180	4	Surface	Iron	1.54E+04	0.0	0.1		0.1	12%
9	180	4	Surface	Manganese	7.09E+02	0.0	0.0	0.0	0.0	3%
9	180	4	Surface	Nickel	6.46E+01	0.0	0.2	0.0	0.2	33%
9	180	4	Surface	Silver	9.68E+00	0.0	0.1		0.1	20%
9	180	4	Surface	Total PAH	2.15E-02				0.0	0%
9	180	4	Surface	Vanadium	4.85E+01	0.0	0.0		0.0	3%
9	180	4	Surface	Totals		0.0	0.6	0.0	0.7	
9	180	4	Surface	Percent		2%	97%	1%		
9	181	1	Surface	Chromium	2.29E+01	0.0	0.0		0.0	2%
9	181	1	Surface	Thallium	3.50E+00	0.0	0.1		0.2	98%
9	181	1	Surface	Total PAH	3.43E-02				0.0	0%
9	181	1	Surface	Totals		0.0	0.2		0.2	
9	181	1	Surface	Percent		5%	95%			
9	195	1	Surface	Chromium	6.33E+01	0.0	0.0		0.0	3%
9	195	1	Surface	Nickel	7.02E+01	0.0	0.2	0.0	0.2	63%
9	195	1	Surface	Silver	9.37E+00	0.0	0.1		0.1	34%
9	195	1	Surface	Totals		0.0	0.4	0.0	0.4	
9	195	1	Surface	Percent		0%	100%	0%		
9	195	2	Surface	Chromium	4.52E+01	0.0	0.0		0.0	6%
9	195	2	Surface	Silver	9.48E+00	0.0	0.1		0.1	94%
9	195	2	Surface	Total PAH	2.68E-02				0.0	0%
9	195	2	Surface	Totals		0.0	0.1		0.1	
9	195	2	Surface	Percent		0%	100%			
9	195	3	Surface	Chromium	5.03E+01	0.0	0.0		0.0	5%
9	195	3	Surface	Nickel	5.22E+01	0.0	0.2	0.0	0.2	95%
9	195	3	Surface	Total PAH	4.06E-02				0.0	0%
9	195	3	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	3	Surface	Percent		0%	100%	0%		
9	195	4	Surface	Chromium	5.29E+01	0.0	0.0		0.0	4%
9	195	4	Surface	Nickel	6.23E+01	0.0	0.2	0.0	0.2	96%
9	195	4	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	4	Surface	Percent		0%	100%	0%		
9	195	5	Surface	Chromium	5.74E+01	0.0	0.0		0.0	3%
9	195	5	Surface	Nickel	8.11E+01	0.0	0.3	0.0	0.3	97%
9	195	5	Surface	Total PAH	2.40E-02				0.0	0%
9	195	5	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	5	Surface	Percent		0%	100%	0%		
9	195	6	Surface	Chromium	4.45E+01	0.0	0.0		0.0	3%
9	195	6	Surface	Nickel	8.71E+01	0.0	0.3	0.0	0.3	97%
9	195	6	Surface	Total PAH	2.48E-01				0.0	0%
9	195	6	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	6	Surface	Percent		0%	100%	0%		

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	195	7	Surface	Chromium	4.93E+01	0.0	0.0		0.0	7%
9	195	7	Surface	Silver	8.06E+00	0.0	0.1		0.1	93%
9	195	7	Surface	Totals		0.0	0.1		0.1	
9	195	7	Surface	Percent		0%	100%			
9	195	8	Surface	Arsenic	1.16E+01	0.0	0.1	0.0	0.1	14%
9	195	8	Surface	Beryllium	7.40E-01	0.0	0.0	0.0	0.0	4%
9	195	8	Surface	Chromium	6.79E+01	0.0	0.0		0.0	2%
9	195	8	Surface	Cobalt	1.82E+01	0.0	0.2	0.0	0.2	37%
9	195	8	Surface	Nickel	7.01E+01	0.0	0.2	0.0	0.2	40%
9	195	8	Surface	Total PAH	2.16E-01				0.0	0%
9	195	8	Surface	Vanadium	4.04E+01	0.0	0.0		0.0	3%
9	195	8	Surface	Totals		0.0	0.6	0.0	0.6	
9	195	8	Surface	Percent		4%	96%	0%		
9	195	9	Surface	Chromium	6.08E+01	0.0	0.0		0.0	4%
9	195	9	Surface	Nickel	7.93E+01	0.0	0.3	0.0	0.3	96%
9	195	9	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	9	Surface	Percent		0%	100%	0%		
9	195	10	Surface	Chromium	4.51E+01	0.0	0.0		0.0	2%
9	195	10	Surface	Nickel	7.40E+01	0.0	0.2	0.0	0.2	58%
9	195	10	Surface	Silver	1.31E+01	0.0	0.2		0.2	41%
9	195	10	Surface	Totals		0.0	0.4	0.0	0.4	
9	195	10	Surface	Percent		0%	100%	0%		
9	195	11	Surface	Aluminum	2.81E+04	0.0	0.1	0.0	0.1	10%
9	195	11	Surface	Arsenic	1.35E+01	0.0	0.1	0.0	0.1	10%
9	195	11	Surface	Barium	4.53E+02	0.0	0.1	0.0	0.1	11%
9	195	11	Surface	Chromium	5.05E+01	0.0	0.0		0.0	1%
9	195	11	Surface	Cobalt	2.77E+01	0.0	0.3	0.0	0.3	32%
9	195	11	Surface	Iron	1.97E+04	0.0	0.1		0.1	10%
9	195	11	Surface	Nickel	6.77E+01	0.0	0.2	0.0	0.2	22%
9	195	11	Surface	Thallium	6.60E-01	0.0	0.0		0.0	3%
9	195	11	Surface	Vanadium	7.97E+01	0.0	0.0		0.0	3%
9	195	11	Surface	Totals		0.0	1.0	0.0	1.0	
9	195	11	Surface	Percent		4%	95%	1%		
9	195	12	Surface	Beryllium	7.50E-01	0.0	0.0	0.0	0.0	10%
9	195	12	Surface	Chromium	7.04E+01	0.0	0.0		0.0	5%
9	195	12	Surface	Nickel	6.78E+01	0.0	0.2	0.0	0.2	86%
9	195	12	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	12	Surface	Percent		0%	100%	0%		
9	195	13	Surface	Chromium	6.55E+01	0.0	0.0		0.0	5%
9	195	13	Surface	Nickel	6.91E+01	0.0	0.2	0.0	0.2	95%
9	195	13	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	13	Surface	Percent		0%	100%	0%		
9	195	14	Surface	Chromium	5.94E+01	0.0	0.0		0.0	4%
9	195	14	Surface	Nickel	7.04E+01	0.0	0.2	0.0	0.2	96%
9	195	14	Surface	Totals		0.0	0.2	0.0	0.2	
9	195	14	Surface	Percent		0%	100%	0%		
9	195	15	Surface	Chromium	4.82E+01	0.0	0.0		0.0	100%
9	195	15	Surface	Totals		0.0	0.0		0.0	
9	195	15	Surface	Percent		0%	100%			
9	195	16	Surface	Chromium	4.45E+01	0.0	0.0		0.0	3%
9	195	16	Surface	Nickel	8.16E+01	0.0	0.3	0.0	0.3	97%
9	195	16	Surface	Totals		0.0	0.3	0.0	0.3	
9	195	16	Surface	Percent		0%	100%	0%		
9	195	17	Surface	Chromium	8.22E+01	0.0	0.0		0.0	3%
9	195	17	Surface	Mercury	4.17E-01	0.0	0.1		0.1	15%
9	195	17	Surface	Nickel	5.93E+01	0.0	0.2	0.0	0.2	45%

SWMU = solid waste management unit
EU = exposure unit
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EPC = exposure point concentration
HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	195	17	Surface	PCB, Total	7.40E-01				0.0	0%
9	195	17	Surface	Silver	1.01E+01	0.0	0.1		0.1	31%
9	195	17	Surface	Thallium	5.40E-01	0.0	0.0		0.0	5%
9	195	17	Surface	Total PAH	3.16E-01				0.0	0%
9	195	17	Surface	Totals		0.0	0.4	0.0	0.4	
9	195	17	Surface	Percent		1%	99%	0%		
9	492	1	Surface	Arsenic	1.47E+01	0.0	0.1	0.0	0.1	4%
9	492	1	Surface	Beryllium	1.04E+01	0.0	0.3	0.0	0.3	13%
9	492	1	Surface	Cadmium	3.14E+00	0.0	0.0	0.0	0.0	0%
9	492	1	Surface	Chromium	1.04E+03	0.0	0.2		0.2	6%
9	492	1	Surface	PCB, Total	4.41E+01				0.0	0%
9	492	1	Surface	Uranium	1.77E+03	0.1	2.0	0.0	2.1	76%
9	492	1	Surface	Vanadium	4.32E+01	0.0	0.0		0.0	1%
9	492	1	Surface	Totals		0.1	2.6	0.0	2.7	
9	492	1	Surface	Percent		4%	95%	0%		
9	493	1	Surface	Aluminum	1.44E+04	0.0	0.0	0.0	0.1	3%
9	493	1	Surface	Barium	4.04E+02	0.0	0.1	0.0	0.1	6%
9	493	1	Surface	Beryllium	9.91E-01	0.0	0.0	0.0	0.0	2%
9	493	1	Surface	Chromium	6.61E+01	0.0	0.0		0.0	1%
9	493	1	Surface	Cobalt	3.79E+01	0.0	0.4	0.0	0.4	30%
9	493	1	Surface	Manganese	3.55E+03	0.0	0.1	0.0	0.1	7%
9	493	1	Surface	Mercury	2.60E-01	0.0	0.0		0.0	3%
9	493	1	Surface	Nickel	2.13E+02	0.0	0.7	0.0	0.7	47%
9	493	1	Surface	PCB, Total	2.60E-01				0.0	0%
9	493	1	Surface	Total PAH	5.00E-01				0.0	0%
9	493	1	Surface	Vanadium	4.05E+01	0.0	0.0		0.0	1%
9	493	1	Surface	Totals		0.0	1.4	0.0	1.5	
9	493	1	Surface	Percent		2%	95%	2%		
9	517	1	Surface	Beryllium	7.39E-01	0.0	0.0	0.0	0.0	4%
9	517	1	Surface	Chromium	4.91E+01	0.0	0.0		0.0	1%
9	517	1	Surface	Nickel	1.72E+02	0.0	0.6	0.0	0.6	95%
9	517	1	Surface	PCB, Total	5.00E-01				0.0	0%
9	517	1	Surface	Totals		0.0	0.6	0.0	0.6	
9	517	1	Surface	Percent		0%	100%	0%		
9	541	1	Surface	Aluminum	1.43E+04	0.0	0.0	0.0	0.1	1%
9	541	1	Surface	Barium	1.28E+02	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Beryllium	6.98E-01	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Cadmium	1.68E+00	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Chromium	8.24E+02	0.0	0.1		0.1	2%
9	541	1	Surface	Iron	1.60E+04	0.0	0.1		0.1	1%
9	541	1	Surface	Mercury	9.81E-02	0.0	0.0		0.0	0%
9	541	1	Surface	Naphthalene	6.55E-01	0.0	0.0	0.0	0.0	0%
9	541	1	Surface	Nickel	1.52E+01	0.0	0.1	0.0	0.1	1%
9	541	1	Surface	PCB, Total	6.06E+01				0.0	0%
9	541	1	Surface	Total PAH	2.33E+00				0.0	0%
9	541	1	Surface	Uranium	6.38E+03	0.4	7.1	0.0	7.5	95%
9	541	1	Surface	Vanadium	3.04E+01	0.0	0.0		0.0	0%
9	541	1	Surface	Totals		0.4	7.5	0.0	7.9	
9	541	1	Surface	Percent		5%	95%	0%		
9	561	1	Surface	Antimony	9.36E-01	0.0	0.1		0.1	6%
9	561	1	Surface	Arsenic	1.66E+01	0.0	0.1	0.0	0.1	14%
9	561	1	Surface	Barium	1.40E+02	0.0	0.0	0.0	0.0	4%
9	561	1	Surface	Beryllium	6.85E-01	0.0	0.0	0.0	0.0	3%
9	561	1	Surface	Chromium	8.58E+01	0.0	0.0		0.0	2%
9	561	1	Surface	Cobalt	1.07E+01	0.0	0.1	0.0	0.1	15%
9	561	1	Surface	Iron	2.05E+04	0.0	0.1		0.1	12%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	561	1	Surface	Manganese	1.61E+03	0.0	0.0	0.0	0.0	5%
9	561	1	Surface	PCB, Total	1.04E+00				0.0	0%
9	561	1	Surface	Thallium	3.33E-01	0.0	0.0		0.0	2%
9	561	1	Surface	Total PAH	3.94E-01				0.0	0%
9	561	1	Surface	Uranium	2.65E+02	0.0	0.3	0.0	0.3	36%
9	561	1	Surface	Vanadium	3.76E+01	0.0	0.0		0.0	2%
9	561	1	Surface	Totals		0.0	0.8	0.0	0.9	
9	561	1	Surface	Percent		5%	93%	2%		
9	561	2	Surface	Antimony	5.33E+00	0.0	0.3		0.3	13%
9	561	2	Surface	Arsenic	1.30E+01	0.0	0.1	0.0	0.1	4%
9	561	2	Surface	Beryllium	6.34E-01	0.0	0.0	0.0	0.0	1%
9	561	2	Surface	Cadmium	4.13E-01	0.0	0.0	0.0	0.0	0%
9	561	2	Surface	Chromium	2.88E+02	0.0	0.0		0.0	2%
9	561	2	Surface	Cobalt	1.14E+01	0.0	0.1	0.0	0.1	6%
9	561	2	Surface	Manganese	1.12E+03	0.0	0.0	0.0	0.0	1%
9	561	2	Surface	PCB, Total	1.64E+01				0.0	0%
9	561	2	Surface	Thallium	4.09E-01	0.0	0.0		0.0	1%
9	561	2	Surface	Total PAH	2.43E+00				0.0	0%
9	561	2	Surface	Uranium	1.38E+03	0.1	1.5	0.0	1.6	71%
9	561	2	Surface	Vanadium	3.46E+01	0.0	0.0		0.0	1%
9	561	2	Surface	Totals		0.1	2.2	0.0	2.3	
9	561	2	Surface	Percent		5%	95%	1%		
9	562	1	Surface	Uranium	8.73E+01	0.0	0.1	0.0	0.1	100%
9	562	1	Surface	Totals		0.0	0.1	0.0	0.1	
9	562	1	Surface	Percent		5%	95%	0%		
9	562	2	Surface	PCB, Total	1.58E+00				0.0	
9	562	2	Surface	Totals					0.0	
9	562	2	Surface	Percent						
9	562	3	Surface	Chromium	3.82E+01	0.0	0.0		0.0	9%
9	562	3	Surface	PCB, Total	2.40E-01				0.0	0%
9	562	3	Surface	Total PAH	2.20E-01				0.0	0%
9	562	3	Surface	Uranium	5.89E+01	0.0	0.1	0.0	0.1	91%
9	562	3	Surface	Totals		0.0	0.1	0.0	0.1	
9	562	3	Surface	Percent		5%	95%	0%		
9	562	4	Surface	Chromium	4.67E+01	0.0	0.0		0.0	24%
9	562	4	Surface	Uranium	2.10E+01	0.0	0.0	0.0	0.0	76%
9	562	4	Surface	Totals		0.0	0.0	0.0	0.0	
9	562	4	Surface	Percent		4%	96%	0%		
9	562	5	Surface	Chromium	1.53E+02	0.0	0.0		0.0	10%
9	562	5	Surface	PCB, Total	9.50E-01				0.0	0%
9	562	5	Surface	Total PAH	7.05E-02				0.0	0%
9	562	5	Surface	Uranium	2.08E+02	0.0	0.2	0.0	0.2	90%
9	562	5	Surface	Totals		0.0	0.3	0.0	0.3	
9	562	5	Surface	Percent		5%	95%	0%		
9	563	1	Surface	Cadmium	8.96E-01	0.0	0.0	0.0	0.0	4%
9	563	1	Surface	Chromium	2.85E+02	0.0	0.0		0.0	71%
9	563	1	Surface	PCB, Total	7.40E-01				0.0	0%
9	563	1	Surface	Uranium	1.51E+01	0.0	0.0	0.0	0.0	26%
9	563	1	Surface	Totals		0.0	0.1	0.0	0.1	
9	563	1	Surface	Percent		2%	98%	0%		
9	564	1	Surface	Arsenic	4.30E+01	0.0	0.3	0.0	0.3	35%
9	564	1	Surface	Beryllium	2.12E+00	0.0	0.1	0.0	0.1	8%
9	564	1	Surface	Cadmium	1.96E+00	0.0	0.0	0.0	0.0	1%
9	564	1	Surface	Chromium	7.49E+01	0.0	0.0		0.0	1%
9	564	1	Surface	Iron	3.66E+04	0.0	0.2		0.2	20%
9	564	1	Surface	Mercury	2.30E-01	0.0	0.0		0.0	4%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
9	564	1	Surface	Nickel	2.24E+01	0.0	0.1	0.0	0.1	8%
9	564	1	Surface	PCB, Total	1.93E+00				0.0	0%
9	564	1	Surface	Thallium	2.36E+00	0.0	0.1		0.1	11%
9	564	1	Surface	Uranium	5.83E+01	0.0	0.1	0.0	0.1	8%
9	564	1	Surface	Vanadium	8.06E+01	0.0	0.0		0.0	3%
9	564	1	Surface	Totals		0.0	0.9	0.0	0.9	
9	564	1	Surface	Percent		5%	94%	0%		
9	567	3	Surface	Chromium	3.79E+01	0.0	0.0		0.0	100%
9	567	3	Surface	Totals		0.0	0.0		0.0	
9	567	3	Surface	Percent		0%	100%			
9	567	4	Surface	Aluminum	1.25E+04	0.0	0.0	0.0	0.0	94%
9	567	4	Surface	Chromium	1.63E+01	0.0	0.0		0.0	6%
9	567	4	Surface	Totals		0.0	0.0	0.0	0.0	
9	567	4	Surface	Percent		5%	93%	2%		
10	14	1	Surface	Arsenic	1.10E+01	0.0	0.1	0.0	0.1	8%
10	14	1	Surface	Chromium	6.36E+01	0.0	0.0		0.0	1%
10	14	1	Surface	Iron	1.89E+04	0.0	0.1		0.1	10%
10	14	1	Surface	Nickel	1.40E+02	0.0	0.5	0.0	0.5	49%
10	14	1	Surface	PCB, Total	5.00E-01				0.0	0%
10	14	1	Surface	Silver	1.67E+01	0.0	0.2		0.2	23%
10	14	1	Surface	Uranium	7.21E+01	0.0	0.1	0.0	0.1	9%
10	14	1	Surface	Totals		0.0	0.9	0.0	1.0	
10	14	1	Surface	Percent		2%	98%	0%		
10	14	2	Surface	Antimony	3.70E+00	0.0	0.2		0.2	6%
10	14	2	Surface	Arsenic	1.45E+01	0.0	0.1	0.0	0.1	3%
10	14	2	Surface	Beryllium	7.10E-01	0.0	0.0	0.0	0.0	1%
10	14	2	Surface	Chromium	6.65E+01	0.0	0.0		0.0	0%
10	14	2	Surface	Copper	1.76E+02	0.0	0.0		0.0	0%
10	14	2	Surface	Iron	3.72E+04	0.0	0.2		0.2	6%
10	14	2	Surface	Manganese	1.44E+03	0.0	0.0	0.0	0.0	1%
10	14	2	Surface	Mercury	2.67E-01	0.0	0.0		0.0	1%
10	14	2	Surface	Nickel	6.78E+02	0.0	2.3	0.0	2.3	70%
10	14	2	Surface	PCB, Total	3.90E-01				0.0	0%
10	14	2	Surface	Total PAH	3.38E-01				0.0	0%
10	14	2	Surface	Uranium	2.93E+02	0.0	0.3	0.0	0.3	11%
10	14	2	Surface	Totals		0.0	3.2	0.0	3.3	
10	14	2	Surface	Percent		1%	98%	0%		
10	14	3	Surface	Arsenic	1.30E+01	0.0	0.1	0.0	0.1	3%
10	14	3	Surface	Chromium	7.01E+01	0.0	0.0		0.0	0%
10	14	3	Surface	Copper	1.29E+02	0.0	0.0		0.0	0%
10	14	3	Surface	Iron	3.48E+04	0.0	0.2		0.2	5%
10	14	3	Surface	Manganese	1.06E+03	0.0	0.0	0.0	0.0	1%
10	14	3	Surface	Mercury	7.48E+00	0.0	1.2		1.2	32%
10	14	3	Surface	Molybdenum	2.21E+01	0.0	0.0		0.0	0%
10	14	3	Surface	Nickel	5.76E+02	0.0	1.9	0.0	1.9	52%
10	14	3	Surface	PCB, Total	8.65E+00				0.0	0%
10	14	3	Surface	Uranium	2.18E+02	0.0	0.2	0.0	0.3	7%
10	14	3	Surface	Totals		0.0	3.7	0.0	3.7	
10	14	3	Surface	Percent		1%	99%	0%		
10	14	4	Surface	Antimony	4.30E+00	0.0	0.2		0.2	7%
10	14	4	Surface	Arsenic	1.33E+01	0.0	0.1	0.0	0.1	3%
10	14	4	Surface	Chromium	7.20E+01	0.0	0.0		0.0	0%
10	14	4	Surface	Copper	3.54E+02	0.0	0.0		0.0	1%
10	14	4	Surface	Iron	3.88E+04	0.0	0.2		0.2	5%
10	14	4	Surface	Mercury	4.87E-01	0.0	0.1		0.1	2%
10	14	4	Surface	Nickel	7.31E+02	0.0	2.4	0.0	2.5	66%

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	4	Surface	PCB, Total	6.61E+00				0.0	0%
10	14	4	Surface	Silver	1.17E+01	0.0	0.2		0.2	4%
10	14	4	Surface	Total PAH	2.51E-01				0.0	0%
10	14	4	Surface	Uranium	3.72E+02	0.0	0.4	0.0	0.4	12%
10	14	4	Surface	Totals		0.1	3.6	0.0	3.7	
10	14	4	Surface	Percent		1%	98%	0%		
10	14	5	Surface	Antimony	2.30E+00	0.0	0.1		0.1	3%
10	14	5	Surface	Arsenic	1.31E+01	0.0	0.1	0.0	0.1	2%
10	14	5	Surface	Cadmium	3.90E+00	0.0	0.0	0.0	0.0	0%
10	14	5	Surface	Chromium	4.70E+01	0.0	0.0		0.0	0%
10	14	5	Surface	Cobalt	1.40E+01	0.0	0.2	0.0	0.2	4%
10	14	5	Surface	Copper	1.34E+02	0.0	0.0		0.0	0%
10	14	5	Surface	Iron	3.92E+04	0.0	0.2		0.2	4%
10	14	5	Surface	Manganese	8.28E+02	0.0	0.0	0.0	0.0	1%
10	14	5	Surface	Mercury	1.09E+01	0.0	1.7		1.7	39%
10	14	5	Surface	Nickel	4.61E+02	0.0	1.5	0.0	1.5	35%
10	14	5	Surface	PCB, Total	1.00E+00				0.0	0%
10	14	5	Surface	Silver	1.29E+01	0.0	0.2		0.2	4%
10	14	5	Surface	Thallium	4.10E-01	0.0	0.0		0.0	0%
10	14	5	Surface	Total PAH	1.21E-01				0.0	0%
10	14	5	Surface	Uranium	2.62E+02	0.0	0.3	0.0	0.3	7%
10	14	5	Surface	Totals		0.1	4.4	0.0	4.4	
10	14	5	Surface	Percent		1%	98%	0%		
10	14	6	Surface	Antimony	2.70E+00	0.0	0.2		0.2	3%
10	14	6	Surface	Cadmium	8.40E-01	0.0	0.0	0.0	0.0	0%
10	14	6	Surface	Chromium	4.46E+02	0.0	0.1		0.1	2%
10	14	6	Surface	Copper	1.22E+02	0.0	0.0		0.0	0%
10	14	6	Surface	Mercury	3.47E-01	0.0	0.1		0.1	1%
10	14	6	Surface	Nickel	9.63E+02	0.0	3.2	0.0	3.2	74%
10	14	6	Surface	PCB, Total	5.00E+00				0.0	0%
10	14	6	Surface	Silver	1.19E+01	0.0	0.2		0.2	4%
10	14	6	Surface	Uranium	5.79E+02	0.0	0.6	0.0	0.7	16%
10	14	6	Surface	Totals		0.0	4.3	0.0	4.4	
10	14	6	Surface	Percent		1%	99%	0%		
10	14	7	Surface	Antimony	7.50E-01	0.0	0.0		0.0	1%
10	14	7	Surface	Arsenic	1.13E+01	0.0	0.1	0.0	0.1	1%
10	14	7	Surface	Cadmium	2.70E+00	0.0	0.0	0.0	0.0	0%
10	14	7	Surface	Chromium	6.46E+01	0.0	0.0		0.0	0%
10	14	7	Surface	Mercury	7.82E+00	0.0	1.2		1.3	21%
10	14	7	Surface	Nickel	1.22E+03	0.0	4.1	0.0	4.1	70%
10	14	7	Surface	PCB, Total	7.60E+00				0.0	0%
10	14	7	Surface	Total PAH	6.31E-02				0.0	0%
10	14	7	Surface	Uranium	3.33E+02	0.0	0.4	0.0	0.4	7%
10	14	7	Surface	Totals		0.0	5.8	0.0	5.9	
10	14	7	Surface	Percent		1%	99%	0%		
10	14	8	Surface	Antimony	6.10E-01	0.0	0.0		0.0	1%
10	14	8	Surface	Arsenic	1.14E+01	0.0	0.1	0.0	0.1	2%
10	14	8	Surface	Chromium	4.60E+01	0.0	0.0		0.0	0%
10	14	8	Surface	Mercury	7.90E+00	0.0	1.3		1.3	30%
10	14	8	Surface	Nickel	6.73E+02	0.0	2.2	0.0	2.3	54%
10	14	8	Surface	PCB, Total	5.00E+00				0.0	0%
10	14	8	Surface	Silver	9.63E+00	0.0	0.1		0.1	3%
10	14	8	Surface	Total PAH	6.28E-02				0.0	0%
10	14	8	Surface	Uranium	3.35E+02	0.0	0.4	0.0	0.4	9%
10	14	8	Surface	Totals		0.0	4.1	0.0	4.2	
10	14	8	Surface	Percent		1%	99%	0%		

SWMU = solid waste management unit

EU = exposure unit

COPC = chemical of potential concern

EPC = exposure point concentration

HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	14	9	Surface	Antimony	2.00E+00	0.0	0.1		0.1	2%
10	14	9	Surface	Arsenic	1.40E+01	0.0	0.1	0.0	0.1	2%
10	14	9	Surface	Cadmium	9.40E-01	0.0	0.0	0.0	0.0	0%
10	14	9	Surface	Chromium	4.64E+01	0.0	0.0		0.0	0%
10	14	9	Surface	Mercury	1.13E+00	0.0	0.2		0.2	3%
10	14	9	Surface	Nickel	9.43E+02	0.0	3.2	0.0	3.2	60%
10	14	9	Surface	PCB, Total	6.84E+00				0.0	0%
10	14	9	Surface	Total PAH	4.87E-01				0.0	0%
10	14	9	Surface	Uranium	1.46E+03	0.1	1.6	0.0	1.7	33%
10	14	9	Surface	Totals		0.1	5.2	0.0	5.3	
10	14	9	Surface	Percent		2%	98%	0%		
10	14	10	Surface	Antimony	9.40E-01	0.0	0.1		0.1	1%
10	14	10	Surface	Arsenic	1.12E+01	0.0	0.1	0.0	0.1	1%
10	14	10	Surface	Chromium	4.19E+01	0.0	0.0		0.0	0%
10	14	10	Surface	Copper	1.41E+02	0.0	0.0		0.0	0%
10	14	10	Surface	Iron	2.75E+04	0.0	0.1		0.1	2%
10	14	10	Surface	Mercury	2.51E+01	0.0	4.0		4.0	60%
10	14	10	Surface	Nickel	6.00E+02	0.0	2.0	0.0	2.0	30%
10	14	10	Surface	PCB, Total	9.38E+00				0.0	0%
10	14	10	Surface	Total PAH	2.72E-01				0.0	0%
10	14	10	Surface	Uranium	2.88E+02	0.0	0.3	0.0	0.3	5%
10	14	10	Surface	Totals		0.1	6.6	0.0	6.7	
10	14	10	Surface	Percent		1%	99%	0%		
10	518	1	Surface	Carbazole	1.17E+01				0.0	0%
10	518	1	Surface	Cobalt	6.80E+00	0.0	0.1	0.0	0.1	21%
10	518	1	Surface	Nickel	1.29E+01	0.0	0.0	0.0	0.0	11%
10	518	1	Surface	PCB, Total	6.30E-01				0.0	0%
10	518	1	Surface	Pyrene	3.94E+01	0.0	0.0	0.0	0.0	3%
10	518	1	Surface	Total PAH	3.90E+01				0.0	0%
10	518	1	Surface	Uranium	2.17E+02	0.0	0.2	0.0	0.3	65%
10	518	1	Surface	Totals		0.0	0.4	0.0	0.4	
10	518	1	Surface	Percent		5%	95%	0%		
10	520	1	Surface	Chromium	3.17E+01	0.0	0.0		0.0	0%
10	520	1	Surface	Iron	1.56E+04	0.0	0.1		0.1	3%
10	520	1	Surface	Mercury	1.07E+01	0.0	1.7		1.7	60%
10	520	1	Surface	Nickel	2.60E+02	0.0	0.9	0.0	0.9	31%
10	520	1	Surface	Silver	1.30E+01	0.0	0.2		0.2	6%
10	520	1	Surface	Total PAH	3.18E-02				0.0	0%
10	520	1	Surface	Uranium	2.29E+01	0.0	0.0	0.0	0.0	1%
10	520	1	Surface	Totals		0.0	2.9	0.0	2.9	
10	520	1	Surface	Percent		1%	99%	0%		
10	520	2	Surface	Beryllium	5.79E-01	0.0	0.0	0.0	0.0	1%
10	520	2	Surface	Chromium	6.67E+01	0.0	0.0		0.0	0%
10	520	2	Surface	Manganese	5.89E+02	0.0	0.0	0.0	0.0	1%
10	520	2	Surface	Mercury	1.19E+01	0.0	1.9		1.9	63%
10	520	2	Surface	Nickel	3.11E+02	0.0	1.0	0.0	1.0	34%
10	520	2	Surface	Total PAH	3.17E-01				0.0	0%
10	520	2	Surface	Uranium	3.96E+01	0.0	0.0	0.0	0.0	2%
10	520	2	Surface	Totals		0.0	3.0	0.0	3.0	
10	520	2	Surface	Percent		0%	99%	0%		
10	520	3	Surface	Chromium	3.97E+01	0.0	0.0		0.0	1%
10	520	3	Surface	Copper	1.19E+02	0.0	0.0		0.0	1%
10	520	3	Surface	Nickel	2.65E+02	0.0	0.9	0.0	0.9	81%
10	520	3	Surface	Silver	1.27E+01	0.0	0.2		0.2	15%
10	520	3	Surface	Total PAH	1.18E-01				0.0	0%
10	520	3	Surface	Uranium	1.92E+01	0.0	0.0	0.0	0.0	2%

SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration
HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
10	520	3	Surface	Totals		0.0	1.1	0.0	1.1	
10	520	3	Surface	Percent		0%	99%	0%		
10	520	4	Surface	Chromium	3.82E+01	0.0	0.0		0.0	0%
10	520	4	Surface	Copper	1.11E+02	0.0	0.0		0.0	0%
10	520	4	Surface	Mercury	9.69E+00	0.0	1.5		1.5	58%
10	520	4	Surface	Nickel	2.82E+02	0.0	0.9	0.0	0.9	35%
10	520	4	Surface	Silver	1.04E+01	0.0	0.1		0.1	5%
10	520	4	Surface	Total PAH	5.52E-01				0.0	0%
10	520	4	Surface	Uranium	2.40E+01	0.0	0.0	0.0	0.0	1%
10	520	4	Surface	Totals		0.0	2.7	0.0	2.7	
10	520	4	Surface	Percent		0%	100%	0%		
10	520	5	Surface	Antimony	9.60E-01	0.0	0.1		0.1	10%
10	520	5	Surface	Chromium	3.68E+01	0.0	0.0		0.0	1%
10	520	5	Surface	Nickel	1.47E+02	0.0	0.5	0.0	0.5	89%
10	520	5	Surface	Total PAH	3.87E-01				0.0	0%
10	520	5	Surface	Totals		0.0	0.6	0.0	0.6	
10	520	5	Surface	Percent		0%	100%	0%		
11	81	1	Surface	Aluminum	9.57E+03	0.0	0.0	0.0	0.0	0%
11	81	1	Surface	Arsenic	1.03E+01	0.0	0.1	0.0	0.1	1%
11	81	1	Surface	Beryllium	7.57E-01	0.0	0.0	0.0	0.0	0%
11	81	1	Surface	Chromium	8.62E+01	0.0	0.0		0.0	0%
11	81	1	Surface	Mercury	8.33E+00	0.0	1.3		1.3	14%
11	81	1	Surface	Nickel	7.29E+01	0.0	0.2	0.0	0.2	3%
11	81	1	Surface	PCB, Total	1.60E+02				0.0	0%
11	81	1	Surface	Silver	2.70E+00	0.0	0.0		0.0	0%
11	81	1	Surface	Total PAH	5.53E-01				0.0	0%
11	81	1	Surface	Uranium	6.50E+03	0.4	7.2	0.0	7.7	81%
11	81	1	Surface	Totals		0.4	9.0	0.0	9.4	
11	81	1	Surface	Percent		4%	95%	0%		
11	153	1	Surface	PCB, Total	5.09E-01				0.0	
11	153	1	Surface	Total PAH	8.69E-02				0.0	
11	153	1	Surface	Totals					0.0	
11	153	1	Surface	Percent						
11	156	1	Surface	Chromium	4.90E+01	0.0	0.0		0.0	0%
11	156	1	Surface	Manganese	2.83E+03	0.0	0.1	0.0	0.1	4%
11	156	1	Surface	Mercury	9.87E+00	0.0	1.6		1.6	83%
11	156	1	Surface	Nickel	6.16E+01	0.0	0.2	0.0	0.2	11%
11	156	1	Surface	PCB, Total	3.00E-01				0.0	0%
11	156	1	Surface	Total PAH	8.26E-02				0.0	0%
11	156	1	Surface	Uranium	2.32E+01	0.0	0.0	0.0	0.0	1%
11	156	1	Surface	Totals		0.0	1.9	0.0	1.9	
11	156	1	Surface	Percent		1%	98%	1%		
11	160	1	Surface	Antimony	6.80E-01	0.0	0.0		0.0	100%
11	160	1	Surface	Total PAH	5.29E-02				0.0	0%
11	160	1	Surface	Totals		0.0	0.0		0.0	
11	160	1	Surface	Percent		1%	99%			
11	163	1	Surface	Chromium	4.94E+01	0.0	0.0		0.0	100%
11	163	1	Surface	Total PAH	1.63E-01				0.0	0%
11	163	1	Surface	Totals		0.0	0.0		0.0	
11	163	1	Surface	Percent		0%	100%			
11	219	1	Surface	Nickel	6.71E+01	0.0	0.2	0.0	0.2	100%
11	219	1	Surface	Total PAH	7.50E-02				0.0	0%
11	219	1	Surface	Totals		0.0	0.2	0.0	0.2	
11	219	1	Surface	Percent		0%	100%	0%		
11	488	1	Surface	PCB, Total	1.03E+01				0.0	0%
11	488	1	Surface	Total PAH	2.50E-01				0.0	0%

SWMU = solid waste management unit
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EPC = exposure point concentration
HI = hazard index

Table D.29. HIs for the Teen Recreational User Receptor (Continued)

Ch	SWMU	EU	Depth	COPC	EPC (mg/kg or pCi/g)	Ingestion	Dermal	Inhalation	HI	Percent
11	488	1	Surface	Uranium	1.48E+01	0.0	0.0	0.0	0.0	100%
11	488	1	Surface	Totals		0.0	0.0	0.0	0.0	
11	488	1	Surface	Percent		5%	95%	0%		

SWMU = solid waste management unit
 EU = exposure unit
 COPC = chemical of potential concern
 EPC = exposure point concentration
 HI = hazard index