

Table B-74. Total Hazard Index—current worker at year 0.

COPC	ARA-02		ARA-02												
	ARA-01	Soils	Scepage	ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26	
Aroclor-1242	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Aroclor-1254	----	----	----	----	----	----	----	----	----	----	----	----	----	8E+00	
Bis(2-ethylhexyl)phthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Diethylphthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Diethylether	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Methylmethacrylate	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Antimony	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Arsenic	5E-01	----	----	----	----	----	----	----	----	----	----	----	2E-01	----	
Barium	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Cadmium	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Chromium(III)	----	----	----	----	2E-04	----	----	----	----	----	----	----	----	----	
Chromium(VI)	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Cobalt	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Copper	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Lead	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Manganese	----	----	----	----	2E-03	----	----	5E-04	----	----	----	----	2E-03	8E-04	
Mercury	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Nickel	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Selenium	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Silver	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Thallium	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Vanadium	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Zinc	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Chloride	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Orthophosphate	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Sulfate	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Total hazard index by site	5E-01	0E+00	0E+00	0E+00	2E-03	0E+00	0E+00	5E-04	0E+00	0E+00	0E+00	0E+00	2E-01	8E+00	

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Note: "----" indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or at the site or that toxicity data are not available.

Table B-75. Risks—future worker at year 100, ingestion of soil.

COPC	ARA-01	ARA-02		ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26
		Soils	Seepage Pit											
Aroclor-1242	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Aroclor-1254	----	----	----	----	----	----	----	----	----	----	----	----	----	9E-07
Bis(2-ethylhexyl)phthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Diethylphthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Diethylether	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Methylmethacrylate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Antimony	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Arsenic	6E-06	----	----	----	----	----	----	----	----	----	----	----	2E-06	----
Barium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Cadmium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chromium(III)	----	----	----	----	NTD	----	----	----	----	----	----	----	----	----
Chromium(VI)	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Cobalt	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Copper	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Lead	NTD	----	----	----	NTD	----	----	----	----	----	NTD	----	NTD	NTD
Manganese	----	----	----	----	NTD	----	----	----	----	----	----	----	NTD	----
Mercury	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Nickel	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Selenium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Silver	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Thallium	NTD	----	----	----	----	----	----	----	----	----	----	----	----	----
Vanadium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Zinc	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloride	----	----	----	----	----	NTD	----	----	----	----	----	----	----	----
Orthophosphate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Sulfate	----	----	----	----	----	NTD	----	----	----	----	----	----	----	----
Ag-108m	----	----	----	----	7E-08	2E-10	----	----	----	----	----	----	----	----
Am-241	6E-09	----	----	----	2E-08	----	1E-09	----	----	----	----	----	8E-08	----
Co-60	----	----	----	----	8E-14	2E-15	----	----	----	----	----	----	----	----

Table B-75. (continued).

COPC	ARA-01	ARA-02 Soils	ARA-02 Seepage Pit	ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26
Cs-134	----	----	----	----	----	8E-25	----	----	----	----	----	----	----	----
Cs-137	1E-09	----	----	----	2E-09	1E-07	2E-08	----	----	----	----	----	1E-09	6E-09
Eu-152	----	----	----	----	----	8E-12	----	----	----	----	----	----	----	----
Eu-154	----	----	----	----	----	2E-13	----	----	----	----	----	----	----	----
Np-237	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Pu-238	----	----	----	----	5E-09	----	----	4E-10	----	----	----	----	3E-08	4E-10
Pu-239/240	2E-08	----	----	----	----	----	----	----	----	----	----	----	----	----
Ra-226	3E-07	----	----	----	----	4E-07	3E-07	----	----	----	----	----	----	----
Sr-90	7E-10	----	----	----	----	1E-07	3E-08	----	----	----	----	----	----	----
Tc-99	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Th-228	----	----	----	----	----	----	----	----	----	----	----	----	2E-24	----
Th-230	----	----	----	----	----	----	2E-08	----	----	----	----	----	4E-08	----
Th-232	----	----	----	----	----	----	----	----	----	----	----	----	2E-08	----
U-234	----	----	----	----	2E-08	----	----	----	----	----	----	----	4E-08	5E-08
U-235	9E-10	----	----	----	----	----	2E-09	----	----	----	----	----	----	5E-08
U-238	----	----	----	----	2E-08	----	----	----	----	----	----	----	2E-08	7E-08
Total risk by pathway and site	6E-06	0E+00	0E+00	0E+00	1E-07	6E-07	4E-07	4E-10	0E+00	0E+00	0E+00	0E+00	2E-06	1E-06

Notes:

NTD indicates that toxicity data are not available.

"----" indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or at the site.

Table B-76. Risks—future worker at year 100, external radiation exposure.

COPC	ARA-02		ARA-02											
	ARA-01	Soils	Pit	ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26
Ag-108m	----	----	----	----	6E-04	6E-07	----	----	----	----	----	----	----	----
Am-241	1E-09	----	2E-10	----	1E-08	----	2E-10	----	----	----	----	----	1E-08	----
Co-60	----	----	----	----	4E-10	7E-12	----	----	----	----	----	----	----	----
Cs-134	----	----	----	----	----	5E-22	----	----	----	----	----	----	----	----
Cs-137	1E-06	----	1E-07	5E-06	1E-06	4E-05	9E-06	----	----	----	----	----	8E-07	7E-06
Eu-152	----	----	----	----	----	3E-08	----	----	----	----	----	----	----	----
Eu-154	----	----	----	----	----	5E-10	----	----	----	----	----	----	----	----
Np-237	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Pu-238	3E-13	----	----	----	6E-12	----	----	5E-13	----	----	----	----	3E-11	5E-13
Pu-239/240	9E-12	----	----	----	----	----	----	----	----	----	----	----	1E-11	----
Ra-226	1E-04	4E-05	1E-05	----	----	7E-05	6E-05	----	----	----	----	----	----	----
Sr-90	NTD	----	----	----	----	NTD	NTD	----	----	----	----	----	----	----
Tc-99	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Th-228	----	----	----	----	----	----	----	----	----	----	----	----	2E-22	----
Th-230	----	----	----	----	----	----	2E-10	----	----	----	----	----	7E-10	----
Th-232	----	----	----	----	----	----	----	----	----	----	----	----	2E-10	----
U-234	----	4E-11	5E-11	----	1E-10	----	----	----	----	----	----	----	4E-10	4E-10
U-235	6E-08	4E-08	4E-08	----	----	----	6E-08	----	----	----	----	----	----	5E-06
U-238	----	----	1E-07	----	3E-07	----	----	----	----	----	----	----	4E-07	1E-06
Total risk by pathway and site	1E-04	4E-05	1E-05	5E-06	6E-04	1E-04	6E-05	5E-13	0E+00	0E+00	0E+00	0E+00	1E-06	1E-05

Notes:

NTD indicates that toxicity data are not available.

“----” indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or at the site.

Table B-77. Risks—future worker at year 100, inhalation.

COPC	Group 1		Group 2		Group 3		Group 4		Group 5		Group 6	
	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	3E-09	---
Bis(2-ethylhexyl)phthalate	---	NTD	---	NTD	---	NTD	---	NTD	---	NTD	---	NTD
Diethylphthalate	---	---	---	---	---	---	---	---	---	---	---	---
Diethylether	---	---	---	---	---	---	---	---	---	---	---	---
Methylmethacrylate	---	NTD	---	NTD	---	NTD	---	NTD	---	NTD	---	NTD
Antimony	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	5E-09	---	---	---	---	---	---	---	---	---	2E-08	---
Barium	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---	---	---
Chromium(III)	---	---	3E-07	---	---	---	---	---	---	---	---	---
Chromium(VI)	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---	---	---
Lead	NTD	---	NTD	---	---	---	NTD	---	---	---	NTD	---
Manganese	---	---	NTD	---	---	---	---	---	---	---	NTD	---
Mercury	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	NTD	---	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---	---	---
Chloride	NTD	---	---	---	---	---	---	---	---	---	---	---
Orthophosphate	---	---	---	---	---	---	---	---	---	---	---	---
Sulfate	NTD	---	---	---	---	---	---	---	---	---	---	---
Ag-108m	2E-18	---	3E-13	---	---	---	---	---	---	---	---	---
Am-241	3E-13	---	5E-13	---	---	---	---	---	---	---	3E-12	---

Table B-77. (continued).

COPC	Group 1		Group 2		Group 3		Group 4		Group 5		Group 6	
	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles
Co-60	7E-18	----	1E-13	----	----	----	----	----	----	----	----	----
Cs-134	1E-18	----	----	----	----	----	----	----	----	----	7E-15	----
Cs-137	3E-13	----	3E-15	----	----	----	----	----	----	----	5E-15	----
Eu-152	2E-17	----	----	----	----	----	----	----	----	----	----	----
Eu-154	8E-18	----	----	----	----	----	----	----	----	----	----	----
Np-237	----	----	----	----	----	----	----	----	----	----	----	----
Pu-238	----	----	4E-13	----	----	----	----	----	----	----	1E-12	----
Pu-239/240	5E-14	----	----	----	----	----	----	----	----	----	----	----
Ra-226	5E-12	----	----	----	----	----	----	----	----	----	----	----
Sr-90	9E-13	----	----	----	----	----	----	----	----	----	----	----
Tc-99	----	----	----	----	----	----	----	----	----	----	----	----
Th-228	----	----	----	----	----	----	----	----	----	----	3E-28	----
Th-230	1E-11	----	----	----	----	----	----	----	----	----	6E-12	----
Th-232	----	----	----	----	----	----	----	----	----	----	3E-12	----
U-234	----	----	1E-12	----	----	----	----	----	----	----	2E-11	----
U-235	8E-13	----	----	----	----	----	----	----	----	----	2E-11	----
U-238	----	----	9E-13	----	----	----	----	----	----	----	2E-11	----
Total risk by pathway and site	5E-09	0E+00	3E-07	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	2E-08	0E+00

Notes:

NTD indicates that toxicity data are not available.

“----” indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or at the site.

Table B-78. Total risk—future worker at year 100.

COPC	ARA-02 Seepage														
	ARA-01	Soils	Pit	ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26	
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---	3E-09	2E-05	
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Diethylphthalate	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Diethylether	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Methylmethacrylate	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Antimony	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Arsenic	8E-05	5E-09	5E-09	5E-09	---	5E-09	5E-09	---	---	---	---	---	2E-05	2E-08	
Barium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cadmium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Chromium(III)	---	---	---	---	3E-07	---	---	3E-07	---	---	---	---	---	---	
Chromium(VI)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cobalt	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Copper	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Lead	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Manganese	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Mercury	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Nickel	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Selenium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Silver	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Thallium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Vanadium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Zinc	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Chloride	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Orthophosphate	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Sulfate	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Ag-108m	2E-18	2E-18	2E-18	2E-18	6E-04	6E-07	2E-18	3E-13	---	---	---	---	---	---	
Am-241	7E-09	3E-13	2E-10	3E-13	3E-08	3E-13	1E-09	5E-13	---	---	---	---	9E-08	3E-12	
Co-60	7E-18	7E-18	7E-18	7E-18	4E-10	7E-12	7E-18	1E-13	---	---	---	---	---	---	

Table B-78. (continued).

COPC	ARA-02 Seepage														
	ARA-01	ARA-02 Soils	Pit	ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26	
Cs-134	1E-18	1E-18	1E-18	1E-18	----	1E-18	1E-18	----	----	----	----	----	7E-15	7E-15	
Cs-137	1E-06	3E-13	1E-07	5E-06	1E-06	4E-05	9E-06	3E-15	----	----	----	----	8E-07	7E-06	
Eu-152	2E-17	2E-17	2E-17	2E-17	----	3E-08	2E-17	----	----	----	----	----	----	----	
Eu-154	8E-18	8E-18	8E-18	8E-18	----	5E-10	8E-18	----	----	----	----	----	----	----	
Np-237	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Pu-238	3E-13	----	----	----	5E-09	----	----	4E-10	----	----	----	----	3E-08	4E-10	
Pu-239/240	2E-08	5E-14	5E-14	5E-14	----	5E-14	5E-14	----	----	----	----	----	1E-11	----	
Ra-226	1E-04	4E-05	1E-05	5E-12	----	7E-05	6E-05	----	----	----	----	----	----	----	
Sr-90	7E-10	9E-13	9E-13	9E-13	----	1E-07	3E-08	----	----	----	----	----	----	----	
Tc-99	----	----	----	----	----	----	----	----	----	----	----	----	----	----	
Th-228	----	----	----	----	----	----	----	----	----	----	----	----	2E-22	3E-28	
Th-230	1E-11	1E-11	1E-11	1E-11	----	1E-11	2E-08	----	----	----	----	----	4E-08	6E-12	
Th-232	----	----	----	----	----	----	----	----	----	----	----	----	2E-08	3E-12	
U-234	----	4E-11	5E-11	----	2E-08	----	----	1E-12	----	----	----	----	5E-08	5E-08	
U-235	7E-08	4E-08	4E-08	8E-13	----	8E-13	6E-08	----	----	----	----	----	2E-11	5E-06	
U-238	----	----	1E-07	----	4E-07	----	----	9E-13	----	----	----	----	4E-07	1E-06	
Total risk by site	2E-04	4E-05	1E-05	5E-06	6E-04	1E-04	7E-05	3E-07	0E+00	0E+00	0E+00	0E+00	3E-05	4E-05	

Note: "----" indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or at the site or that toxicity data are not available.

Table B-79. Hazard quotients—future worker at year 100, ingestion of soil.

COPC	ARA-01	ARA-02 Soils	ARA-02 Seepage Pit	ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26
Aroclor-1242	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Aroclor-1254	----	----	----	----	----	----	----	----	----	----	----	----	----	3E-01
Bis(2-ethylhexyl)phthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Diethylphthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Diethylether	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Methylmethacrylate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Antimony	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Arsenic	4E-02	----	----	----	----	----	----	----	----	----	----	----	1E-02	----
Barium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Cadmium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chromium(III)	----	----	----	----	2E-04	----	----	----	----	----	----	----	----	----
Chromium(VI)	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Cobalt	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Copper	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Lead	NTD	----	----	----	NTD	----	----	----	----	----	NTD	----	NTD	NTD
Manganese	----	----	----	----	1E-03	----	----	----	----	----	----	----	1E-03	----
Mercury	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Nickel	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Selenium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Silver	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Thallium	NTD	----	----	----	----	----	----	----	----	----	----	----	----	----
Vanadium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Zinc	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloride	----	----	----	----	----	NTD	----	----	----	----	----	----	----	----
Orthophosphate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Sulfate	----	----	----	----	----	NTD	----	----	----	----	----	----	----	----
Total hazard quotient by pathway and site	4E-02	0E+00	0E+00	0E+00	2E-03	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1E-02	3E-01

Notes:

“----” indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or at the site.

NTD indicates that toxicity data are not available.

Table B-80. Hazard quotients—future worker at year 100, inhalation.

COPC	Group 1		Group 2		Group 3		Group 4		Group 5		Group 6		
	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---	
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	NTD	---	
Bis(2-ethylhexyl)phthalate	---	NTD	---	NTD	---	NTD	---	NTD	---	NTD	---	NTD	
Diethylphthalate	---	---	---	---	---	---	---	---	---	---	---	---	
Diethylether	---	---	---	---	---	---	---	---	---	---	---	---	
Methylmethacrylate	---	NTD	---	NTD	---	NTD	---	NTD	---	NTD	---	NTD	
Antimony	---	---	---	---	---	---	---	---	---	---	---	---	
Arsenic	NTD	---	---	---	---	---	---	---	---	---	NTD	---	
Barium	---	---	---	---	---	---	---	---	---	---	---	---	
Cadmium	---	---	---	---	---	---	---	---	---	---	---	---	
Chromium(III)	---	---	NTD	---	---	---	---	---	---	---	---	---	
Chromium(VI)	---	---	---	---	---	---	---	---	---	---	---	---	
Cobalt	---	---	---	---	---	---	---	---	---	---	---	---	
Copper	---	---	---	---	---	---	---	---	---	---	---	---	
Lead	NTD	---	NTD	---	---	---	NTD	---	---	---	NTD	---	
Manganese	---	---	5E-04	---	---	---	---	---	---	---	8E-04	---	
Mercury	---	---	---	---	---	---	---	---	---	---	---	---	
Nickel	---	---	---	---	---	---	---	---	---	---	---	---	
Selenium	---	---	---	---	---	---	---	---	---	---	---	---	
Silver	---	---	---	---	---	---	---	---	---	---	---	---	
Thallium	NTD	---	---	---	---	---	---	---	---	---	---	---	
Vanadium	---	---	---	---	---	---	---	---	---	---	---	---	
Zinc	---	---	---	---	---	---	---	---	---	---	---	---	
Chloride	NTD	---	---	---	---	---	---	---	---	---	---	---	
Orthophosphate	---	---	---	---	---	---	---	---	---	---	---	---	
Sulfate	NTD	---	---	---	---	---	---	---	---	---	---	---	
Total hazard quotient by pathway and group	0E+00	0E+00	5E-04	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	8E-04	0E+00

NTD = no toxicity data

Note: "----" indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or by the group.

Table B-81. Total hazard index—future worker at year 100.

COPC	ARA-02			ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26
	ARA-01	Soils	Seepage Pit											
Aroclor-1242	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Aroclor-1254	----	----	----	----	----	----	----	----	----	----	----	----	----	8E+00
Bis(2-ethylhexyl)phthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Diethylphthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Diethylether	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Methylmethacrylate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Antimony	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Arsenic	5E-01	----	----	----	----	----	----	----	----	----	----	----	2E-01	----
Barium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Cadmium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chromium(III)	----	----	----	----	2E-04	----	----	----	----	----	----	----	----	----
Chromium(VI)	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Cobalt	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Copper	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Lead	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Manganese	----	----	----	----	2E-03	----	----	5E-04	----	----	----	----	2E-03	8E-04
Mercury	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Nickel	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Selenium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Silver	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Thallium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Vanadium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Zinc	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloride	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Orthophosphate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Sulfate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Total HI by site	5E-01	0E+00	0E+00	0E+00	2E-03	0E+00	0E+00	5E-04	0E+00	0E+00	0E+00	0E+00	2E-01	8E+00

Note: "----" indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or at the site or that toxicity data are not available.

Table B-82. Risks—future resident at year 100, ingestion of soil.

COPC	ARA-02		ARA-02	ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26
	ARA-01	Soils	Seepage Pit											
Aroclor-1242	----	----	1E-06	----	----	----	----	----	----	----	----	----	----	----
Aroclor-1254	----	----	----	----	----	----	----	----	----	----	----	----	----	8E-06
Bis(2-ethylhexyl)phthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Diethylphthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Diethylether	----	----	NTD	----	----	----	----	----	----	----	----	----	----	----
Methylmethacrylate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Antimony	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Arsenic	5E-05	8E-06	2E-05	----	----	----	----	----	----	----	----	----	2E-05	2E-05
Barium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Cadmium	----	----	NTD	----	----	----	----	----	----	----	----	----	----	----
Chromium(III)	----	----	NTD	----	NTD	----	----	----	----	----	----	----	----	----
Chromium(VI)	----	----	NTD	----	NTD	----	----	----	----	----	----	----	----	----
Cobalt	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Copper	----	----	NTD	----	----	----	----	----	----	----	----	----	----	----
Lead	NTD	----	NTD	----	NTD	----	----	----	----	----	NTD	----	NTD	NTD
Manganese	----	----	----	----	NTD	----	----	----	----	----	----	----	NTD	----
Mercury	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Nickel	----	----	NTD	----	----	----	----	----	----	----	----	----	----	----
Selenium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Silver	----	----	NTD	----	----	----	----	----	----	----	----	----	----	----
Thallium	4E-09	----	----	----	----	----	----	----	----	----	----	----	----	----
Vanadium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Zinc	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloride	----	----	----	----	----	NTD	----	----	----	----	----	NTD	----	----
Orthophosphate	----	----	----	----	----	----	----	----	----	----	----	NTD	----	----
Sulfate	----	----	----	----	----	NTD	----	----	----	----	----	NTD	----	----
Ag-108m	----	----	9E-11	----	8E-08	6E-11	----	----	----	----	----	----	----	----
Am-241	2E-08	----	9E-08	----	1E-07	----	2E-09	----	----	----	----	----	2E-07	----
Co-60	----	----	1E-13	----	9E-14	1E-15	----	----	----	8E-16	----	1E-14	----	----

Table B-82. (continued).

COPC	ARA-02														
	ARA-01	Soils	Seepage Pit	ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26	
Cs-134	----	----	6E-25	----	----	7E-25	----	----	----	----	----	----	----	----	
Cs-137	4E-09	----	4E-08	2E-08	2E-09	9E-08	1E-08	----	2E-08	1E-08	----	8E-09	2E-09	2E-08	
Eu-152	----	----	4E-11	----	----	3E-12	----	----	----	----	----	----	----	----	
Eu-154	----	----	4E-13	----	----	8E-14	----	----	----	----	----	----	----	----	
Np-237	----	----	3E-08	----	----	----	----	----	----	----	----	----	----	----	
Pu-238	1E-09	----	5E-09	----	2E-08	----	----	2E-09	----	1E-07	----	----	8E-08	2E-09	
Pu-239/240	5E-08	----	1E-07	----	----	----	----	----	----	----	----	----	9E-08	----	
Ra-226	1E-06	6E-07	3E-06	----	----	6E-07	2E-07	----	----	----	----	----	----	----	
Sr-90	2E-09	3E-08	1E-07	----	----	1E-07	1E-08	----	----	1E-09	----	----	----	----	
Tc-99	----	----	1E-08	----	----	----	----	----	----	----	----	----	----	----	
Th-228	----	----	----	----	----	----	----	----	----	----	----	----	4E-22	----	
Th-230	----	----	2E-08	----	----	----	1E-08	----	----	----	----	----	1E-07	----	
Th-232	----	----	----	----	----	----	----	----	----	----	----	----	8E-08	----	
U-234	----	5E-08	7E-06	----	6E-08	----	----	----	----	2E-07	----	4E-08	1E-07	2E-07	
U-235	3E-09	2E-09	7E-07	----	----	----	9E-10	----	----	1E-08	----	2E-09	----	2E-07	
U-238	----	----	2E-06	----	8E-08	----	----	----	----	2E-08	----	5E-08	1E-07	3E-07	
Total risk															
by site and pathway	5E-05	9E-06	3E-05	2E-08	4E-07	8E-07	3E-07	2E-09	2E-08	4E-07	0E+00	9E-08	2E-05	3E-05	

Notes:

NTD indicates that toxicity data are not available.

“----” indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or at the site.

Table B-83. Risks—future resident at year 100, ingestion of homegrown produce.

COPC	ARA-02			ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26
	ARA-01	Soils	Seepage Pit											
Aroclor-1242	2E-13	2E-13	2E-06	2E-13	---	2E-13	2E-13	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---	3E-12	5E-06
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethylether	NTD	NTD	NTD	NTD	---	NTD	NTD	---	---	---	---	---	---	---
Methylmethacrylate	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	6E-06	9E-07	2E-06	7E-09	---	7E-09	7E-09	---	---	---	---	---	2E-06	2E-06
Barium	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	NTD	NTD	NTD	NTD	---	NTD	NTD	---	---	---	---	---	---	---
Chromium(III)	NTD	NTD	NTD	NTD	NTD	NTD	NTD	NTD	---	---	---	---	---	---
Chromium(VI)	NTD	NTD	NTD	NTD	NTD	NTD	NTD	NTD	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	NTD	NTD	NTD	NTD	---	NTD	NTD	---	---	---	---	---	---	---
Lead	NTD	NTD	NTD	NTD	NTD	NTD	NTD	NTD	---	---	NTD	---	NTD	NTD
Manganese	---	---	---	---	NTD	---	---	NTD	---	---	---	---	NTD	NTD
Mercury	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	NTD	NTD	NTD	NTD	---	NTD	NTD	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	NTD	NTD	NTD	NTD	---	NTD	NTD	---	---	---	---	---	---	---
Thallium	4E-12	5E-14	5E-14	5E-14	---	5E-14	5E-14	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloride	NTD	NTD	NTD	NTD	---	NTD	NTD	---	---	---	---	NTD	---	---
Orthophosphate	---	---	---	---	---	---	---	---	---	---	---	NTD	---	---
Sulfate	NTD	NTD	NTD	NTD	---	NTD	NTD	---	---	---	---	NTD	---	---
Ag-108m	4E-21	4E-21	3E-13	4E-21	3E-10	2E-13	4E-21	2E-16	---	---	---	---	---	---
Am-241	3E-10	1E-16	2E-09	1E-16	2E-09	1E-16	3E-11	3E-16	---	---	---	---	3E-09	1E-15
Co-60	3E-16	3E-16	3E-15	3E-16	3E-14	4E-16	3E-16	2E-14	2E-18	2E-17	---	1E-15	---	---

Table B-83. (continued).

COPC	ARA-02														
	ARA-01	Soils	Seepage Pit	ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26	
Cs-134	8E-20	8E-20	8E-20	8E-20	----	8E-20	8E-20	----	----	----	----	----	----	----	
Cs-137	1E-09	9E-14	1E-08	4E-09	6E-10	2E-08	3E-09	8E-16	4E-09	3E-09	----	2E-09	5E-10	6E-09	
Eu-152	3E-20	3E-20	9E-14	3E-20	----	8E-15	3E-20	----	----	----	----	----	----	----	
Eu-154	4E-21	4E-21	6E-16	4E-21	----	1E-16	4E-21	----	----	----	----	----	----	----	
Np-237	2E-15	2E-15	4E-08	2E-15	----	2E-15	2E-15	----	----	----	----	----	----	----	
Pu-238	7E-12	7E-20	3E-11	7E-20	1E-10	7E-20	7E-20	1E-11	6E-19	9E-10	----	----	5E-10	1E-11	
Pu-239/240	7E-09	2E-17	2E-08	2E-17	----	2E-17	2E-17	----	----	----	----	----	1E-08	8E-16	
Ra-226	5E-08	3E-08	1E-07	4E-11	----	3E-08	9E-09	----	----	----	----	----	----	----	
Sr-90	3E-09	5E-08	1E-07	1E-11	----	2E-07	2E-08	----	5E-16	2E-09	----	----	----	----	
Tc-99	2E-11	2E-11	1E-05	2E-11	----	2E-11	2E-11	----	----	----	----	----	----	----	
Th-228	----	----	----	----	----	----	----	----	----	----	----	----	4E-14	4E-14	
Th-230	3E-13	3E-13	7E-08	3E-13	----	3E-13	5E-08	----	----	----	----	----	4E-07	3E-13	
Th-232	----	----	----	----	----	----	----	----	----	----	----	----	3E-07	2E-13	
U-234	8E-14	7E-09	1E-06	8E-14	8E-09	8E-14	8E-14	6E-14	2E-15	3E-08	----	5E-09	2E-08	3E-08	
U-235	4E-10	3E-10	1E-07	----	----	----	1E-10	----	1E-16	2E-09	----	2E-10	9E-15	3E-08	
U-238	4E-14	4E-14	2E-07	4E-14	1E-08	4E-14	4E-14	8E-14	2E-16	3E-09	----	6E-09	2E-08	4E-08	
Total risk by site and pathway	6E-06	1E-06	2E-05	1E-08	2E-08	2E-07	9E-08	1E-11	4E-09	4E-08	0E+00	1E-08	3E-06	7E-06	

Note: "----" indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or at the site.

Table B-84. Risks—future resident at year 100, external radiation exposure.

COPC	ARA-02													
	ARA-01	Soils	Seepage Pit	ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26
Ag-108m	----	----	2E-06	----	2E-03	1E-06	----	----	----	----	----	----	----	----
Am-241	6E-09	----	3E-08	----	4E-08	----	5E-10	----	----	----	----	----	6E-08	----
Co-60	----	----	1E-09	----	1E-09	2E-11	----	----	----	1E-11	----	2E-10	----	----
Cs-134	----	----	2E-21	----	----	2E-21	----	----	----	----	----	----	----	----
Cs-137	7E-06	----	7E-05	2E-05	4E-06	1E-04	2E-05	----	2E-05	2E-05	----	1E-05	3E-06	3E-05
Eu-152	----	----	6E-07	----	----	5E-08	----	----	----	----	----	----	----	----
Eu-154	----	----	4E-09	----	----	9E-10	----	----	----	----	----	----	----	----
Np-237	----	----	9E-07	----	----	----	----	----	----	----	----	----	----	----
Pu-238	2E-12	----	7E-12	----	3E-11	----	----	2E-12	----	2E-10	----	----	1E-10	2E-12
Pu-239/240	5E-11	----	1E-10	----	----	----	----	----	----	----	----	----	8E-11	----
Ra-226	6E-04	3E-04	2E-03	----	----	3E-04	1E-04	----	----	----	----	----	----	----
Sr-90	NTD	NTD	NTD	----	----	NTD	NTD	----	----	NTD	----	----	----	----
Tc-99	----	----	1E-10	----	----	----	----	----	----	----	----	----	----	----
Th-228	----	----	----	----	----	----	----	----	----	----	----	----	4E-20	----
Th-230	----	----	5E-10	----	----	----	4E-10	----	----	----	----	----	3E-09	----
Th-232	----	----	----	----	----	----	----	----	----	----	----	----	1E-09	----
U-234	----	6E-10	8E-08	----	6E-10	----	----	----	----	2E-09	----	4E-10	1E-09	2E-09
U-235	3E-07	3E-07	9E-05	----	----	----	1E-07	----	----	2E-06	----	2E-07	----	3E-05
U-238	----	----	3E-05	----	2E-06	----	----	----	----	4E-07	----	9E-07	2E-06	5E-06
Total risk by site and pathway	6E-04	3E-04	2E-03	2E-05	2E-03	4E-04	1E-04	2E-12	2E-05	2E-05	0E+00	1E-05	5E-06	6E-05

Notes:

NTD indicates that toxicity data are not available.

"----" indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or at the site.

Table B-85. Risks—future resident at year 100, inhalation.

COPC	Group 1		Group 2		Group 3		Group 4		Group 5		Group 6	
	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles
Aroclor-1242	NTD	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	5E-09	---
Bis(2-ethylhexyl)phthalate	---	NTD	---	NTD	---	NTD	---	NTD	---	NTD	---	NTD
Diethylphthalate	---	---	---	---	---	---	---	---	---	---	---	---
Diethylether	NTD	---	---	---	---	---	---	---	---	---	---	---
Methylmethacrylate	---	NTD	---	NTD	---	NTD	---	NTD	---	NTD	---	NTD
Antimony	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	8E-09	---	---	---	---	---	---	---	---	---	2E-07	---
Barium	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	NTD	---	---	---	---	---	---	---	---	---	---	---
Chromium(III)	9E-10	---	2E-07	---	---	---	---	---	---	---	---	---
Chromium(VI)	6E-09	---	1E-06	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---	---	---
Copper	NTD	---	---	---	---	---	---	---	---	---	---	---
Lead	NTD	---	NTD	---	---	---	NTD	---	---	---	NTD	---
Manganese	---	---	NTD	---	---	---	---	---	---	---	NTD	---
Mercury	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	NTD	---	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---	---	---
Silver	NTD	---	---	---	---	---	---	---	---	---	---	---
Thallium (from ARA-01)	5E-09	1E-11	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---	---	---
Chloride	NTD	---	---	---	---	---	---	---	NTD	---	---	---
Orthophosphate	---	---	---	---	---	---	---	---	NTD	---	---	---
Sulfate	NTD	---	---	---	---	---	---	---	NTD	---	---	---
Ag-108m	2E-24	---	3E-19	---	---	---	---	---	---	---	---	---
Am-241	3E-19	---	2E-18	---	---	---	---	---	---	---	6E-18	---

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Table B-85. (continued).

COPC	Group 1		Group 2		Group 3		Group 4		Group 5		Group 6	
	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles
Co-60	5E-22	----	1E-19	----	2E-22	----	----	----	1E-19	----	----	----
Cs-134	2E-24	----	----	----	----	----	----	----	----	----	----	----
Cs-137	1E-19	----	3E-21	----	1E-19	----	----	----	8E-20	----	2E-19	----
Eu-152	9E-23	----	----	----	----	----	----	----	----	----	----	----
Eu-154	2E-23	----	----	----	----	----	----	----	----	----	----	----
Np-237	2E-21	----	----	----	----	----	----	----	----	----	----	----
Pu-238	6E-21	----	1E-18	----	1E-18	----	----	----	----	----	4E-18	----
Pu-239/240	9E-20	----	----	----	----	----	----	----	----	----	2E-18	----
Ra-226	3E-18	----	----	----	----	----	----	----	----	----	----	----
Sr-90	3E-19	----	----	----	1E-21	----	----	----	----	----	----	----
Tc-99	1E-23	----	----	----	----	----	----	----	----	----	----	----
Th-228	----	----	----	----	----	----	----	----	----	----	4E-32	----
Th-230	7E-18	----	----	----	----	----	----	----	----	----	1E-17	----
Th-232	----	----	----	----	----	----	----	----	----	----	1E-17	----
U-234	1E-18	----	3E-18	----	2E-18	----	----	----	1E-17	----	6E-17	----
U-235	4E-19	----	----	----	1E-19	----	----	----	5E-19	----	5E-17	----
U-238	2E-19	----	2E-18	----	2E-19	----	----	----	1E-17	----	5E-17	----
Total risk												
by group and pathway	2E-08	0E+00	2E-06	0E+00	3E-18	0E+00	0E+00	0E+00	2E-17	0E+00	2E-07	0E+00

NTD = no toxicity data

Note: "----" indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or in the group.

Table B-86. Risks—future resident at year 100, groundwater use, Groups 1, 2, and 3.

COPC	Group 1			Group 2			Group 3		
	Ingestion	Dermal Absorption	Volatile Inhalation	Ingestion	Dermal Absorption	Volatile Inhalation	Ingestion	Dermal Absorption	Volatile Inhalation
Aroclor-1242	4E-11	----	----	----	----	----	----	----	----
Aroclor-1254	----	----	----	----	----	----	----	----	----
Bis(2-ethylhexyl)phthalate	----	----	NTD	----	----	NTD	----	----	NTD
Diethylphthalate	----	----	----	----	----	----	----	----	----
Diethylether	NTD	----	----	----	----	----	----	----	----
Methylmethacrylate	----	----	NTD	----	----	NTD	----	----	NTD
Antimony	----	----	----	----	----	----	----	----	----
Arsenic	6E-06	1E-08	----	----	----	----	----	----	----
Barium	----	----	----	----	----	----	----	----	----
Cadmium	NTD	NTD	----	----	----	----	----	----	----
Chromium(III)	NTD	NTD	----	NTD	NTD	----	----	----	----
Chromium(VI)	NTD	NTD	----	NTD	NTD	----	----	----	----
Cobalt	----	----	----	----	----	----	----	----	----
Copper	NTD	NTD	----	----	----	----	----	----	----
Lead	NTD	NTD	----	NTD	NTD	----	----	----	----
Manganese	----	----	----	NTD	NTD	----	----	----	----
Mercury	----	----	----	----	----	----	----	----	----
Nickel	NTD	NTD	----	----	----	----	----	----	----
Selenium	----	----	----	----	----	----	----	----	----
Silver	NTD	NTD	----	----	----	----	----	----	----
Thallium	NTD	NTD	----	----	----	----	----	----	----
Vanadium	----	----	----	----	----	----	----	----	----
Zinc	----	----	----	----	----	----	----	----	----
Chloride	NTD	----	----	----	----	----	----	----	----
Orthophosphate	----	----	----	----	----	----	----	----	----
Sulfate	NTD	----	----	----	----	----	----	----	----
Ag-108m	3E-16	----	----	2E-11	----	----	----	----	----
Am-241	1E-12	2E-21	----	4E-12	5E-21	----	----	----	----

Table B-86. (continued).

COPC	Group 1			Group 2			Group 3		
	Ingestion	Dermal Absorption	Volatile Inhalation	Ingestion	Dermal Absorption	Volatile Inhalation	Ingestion	Dermal Absorption	Volatile Inhalation
Co-60	3E-12	3E-21	----	2E-10	2E-19	----	1E-14	2E-23	----
Cs-134	1E-15	1E-24	----	----	----	----	----	----	----
Cs-137	8E-11	9E-20	----	7E-13	8E-22	----	1E-12	1E-21	----
Eu-152	2E-15	----	----	----	----	----	----	----	----
Eu-154	5E-16	6E-25	----	----	----	----	----	----	----
Np-237	4E-13	4E-22	----	----	----	----	----	----	----
Pu-238	2E-15	3E-24	----	6E-13	7E-22	----	2E-14	2E-23	----
Pu-239/240	4E-14	----	----	----	----	----	----	----	----
Ra-226	2E-07	2E-16	----	----	----	----	----	----	----
Sr-90	2E-09	2E-18	----	----	----	----	8E-14	9E-23	----
Tc-99	4E-12	5E-21	----	----	----	----	----	----	----
Th-228	----	----	----	----	----	----	----	----	----
Th-230	3E-11	4E-20	----	----	----	----	----	----	----
Th-232	----	----	----	----	----	----	----	----	----
U-234	1E-10	2E-19	----	1E-10	1E-19	----	3E-12	3E-21	----
U-235	----	----	----	----	----	----	2E-13	2E-22	----
U-238	6E-11	7E-20	----	1E-10	2E-19	----	3E-13	3E-22	----
Total risks by group and pathway	7E-06	1E-08	0E+00	4E-10	5E-19	0E+00	4E-12	5E-21	0E+00

NTD = no toxicity data

Note: "----" indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or in the group.

Table B-87. Risks—future resident at year 100, groundwater use, Groups 4, 5, and 6 (mg/kg-day).

COPC	Group 4			Group 5			Group 6		
	Ingestion	Dermal Absorption	Volatile Inhalation	Ingestion	Dermal Absorption	Volatile Inhalation	Ingestion	Dermal Absorption	Volatile Inhalation
Aroclor-1242	----	----	----	----	----	----	----	----	----
Aroclor-1254	----	----	----	----	----	----	1E-09	2E-09	----
Bis(2-ethylhexyl)phthalate	----	----	NTD	----	----	NTD	----	----	NTD
Diethylphthalate	----	----	----	----	----	----	----	----	----
Diethylether	----	----	----	----	----	----	----	----	----
Methylmethacrylate	----	----	NTD	----	----	NTD	----	----	NTD
Antimony	----	----	----	----	----	----	----	----	----
Arsenic	----	----	----	----	----	----	7E-05	1E-07	----
Barium	----	----	----	----	----	----	----	----	----
Cadmium	----	----	----	----	----	----	----	----	----
Chromium(III)	----	----	----	----	----	----	----	----	----
Chromium(VI)	----	----	----	----	----	----	----	----	----
Cobalt	----	----	----	----	----	----	----	----	----
Copper	----	----	----	----	----	----	----	----	----
Lead	NTD	NTD	----	----	----	----	NTD	NTD	----
Manganese	----	----	----	----	----	----	NTD	NTD	----
Mercury	----	----	----	----	----	----	----	----	----
Nickel	----	----	----	----	----	----	----	----	----
Selenium	----	----	----	----	----	----	----	----	----
Silver	----	----	----	----	----	----	----	----	----
Thallium	----	----	----	----	----	----	----	----	----
Vanadium	----	----	----	----	----	----	----	----	----
Zinc	----	----	----	----	----	----	----	----	----
Chloride	----	----	----	NTD	----	----	----	----	----
Orthophosphate	----	----	----	NTD	----	----	----	----	----
Sulfate	----	----	----	NTD	----	----	----	----	----
Ag-108m	----	----	----	----	----	----	----	----	----
Am-241	----	----	----	----	----	----	2E-11	2E-20	----

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Table B-87. (continued).

COPC	Group 4			Group 5			Group 6		
	Ingestion	Dermal Absorption	Volatile Inhalation	Ingestion	Dermal Absorption	Volatile Inhalation	Ingestion	Dermal Absorption	Volatile Inhalation
Co-60	----	----	----	7E-12	8E-21	----	----	----	----
Cs-134	----	----	----	----	----	----	----	----	----
Cs-137	----	----	----	8E-13	9E-22	----	2E-12	2E-21	----
Eu-152	----	----	----	----	----	----	----	----	----
Eu-154	----	----	----	----	----	----	----	----	----
Np-237	----	----	----	----	----	----	----	----	----
Pu-238	----	----	----	----	----	----	3E-12	4E-21	----
Pu-239/240	----	----	----	----	----	----	2E-12	----	----
Ra-226	----	----	----	----	----	----	----	----	----
Sr-90	----	----	----	----	----	----	----	----	----
Tc-99	----	----	----	----	----	----	----	----	----
Th-228	----	----	----	----	----	----	6E-09	----	----
Th-230	----	----	----	----	----	----	3E-11	3E-20	----
Th-232	----	----	----	----	----	----	2E-11	----	----
U-234	----	----	----	1E-11	2E-20	----	6E-10	7E-19	----
U-235	----	----	----	7E-13	8E-22	----	2E-11	2E-20	----
U-238	----	----	----	2E-11	2E-20	----	5E-10	6E-19	----
Total risk by group and pathway	0E+00	0E+00	0E+00	4E-11	5E-20	0E+00	7E-05	1E-07	0E+00

NTD = no toxicity data

Note: "----" indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or in the group.

Table B-88. Total risks—future resident at year 100.

COPC	ARA-01	ARA-02		ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26
		Soils	Seepage Pit											
Aroclor-1242	4E-11	4E-11	1E-05	4E-11	---	4E-11	4E-11	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---	8E-09	7E-05
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethylether	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylmethacrylate	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	2E-04	5E-05	8E-05	6E-06	---	6E-06	6E-06	---	---	---	---	---	2E-04	2E-04
Barium	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium(III)	9E-10	9E-10	9E-10	9E-10	2E-07	9E-10	9E-10	2E-07	---	---	---	---	---	---
Chromium(VI)	6E-09	6E-09	6E-09	6E-09	1E-06	6E-09	6E-09	1E-06	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	9E-09	5E-09	5E-09	5E-09	---	5E-09	5E-09	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloride	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Orthophosphate	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfate	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ag-108m	3E-16	3E-16	2E-06	3E-16	2E-03	1E-06	3E-16	2E-11	---	---	---	---	---	---
Am-241	2E-08	1E-12	1E-07	1E-12	2E-07	1E-12	2E-09	4E-12	---	---	---	---	2E-07	2E-11
Co-60	3E-12	3E-12	1E-09	3E-12	1E-09	2E-11	3E-12	2E-10	1E-14	1E-11	---	5E-10	---	---

Table B-88. (continued).

COPC	ARA-02 Seepage														
	ARA-01	ARA-02 Soils	Pit	ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26	
Cs-134	1E-15	1E-15	1E-15	1E-15	----	1E-15	1E-15	----	----	----	----	----	----	----	
Cs-137	7E-06	8E-11	7E-05	2E-05	4E-06	1E-04	2E-05	7E-13	2E-05	2E-05	----	1E-05	3E-06	3E-05	
Eu-152	2E-15	2E-15	6E-07	2E-15	----	5E-08	2E-15	----	----	----	----	----	----	----	
Eu-154	5E-16	5E-16	4E-09	5E-16	----	9E-10	5E-16	----	----	----	----	----	----	----	
Np-237	4E-13	4E-13	1E-06	4E-13	----	4E-13	4E-13	----	----	----	----	----	----	----	
Pu-238	1E-09	2E-15	5E-09	2E-15	2E-08	2E-15	2E-15	2E-09	2E-14	1E-07	----	----	8E-08	2E-09	
Pu-239/240	6E-08	4E-14	2E-07	4E-14	----	4E-14	4E-14	----	----	----	----	----	1E-07	2E-12	
Ra-226	6E-04	3E-04	2E-03	2E-07	----	3E-04	1E-04	----	----	----	----	----	----	----	
Sr-90	7E-09	8E-08	2E-07	2E-09	----	3E-07	4E-08	----	8E-14	4E-09	----	----	----	----	
Tc-99	3E-11	3E-11	1E-05	3E-11	----	3E-11	3E-11	----	----	----	----	----	----	----	
Th-228	----	----	----	----	----	----	----	----	----	----	----	----	6E-09	6E-09	
Th-230	3E-11	3E-11	9E-08	3E-11	----	3E-11	6E-08	----	----	----	----	----	5E-07	3E-11	
Th-232	----	----	----	----	----	----	----	----	----	----	----	----	4E-07	2E-11	
U-234	1E-10	6E-08	8E-06	1E-10	7E-08	1E-10	1E-10	1E-10	3E-12	2E-07	----	7E-08	2E-07	2E-07	
U-235	3E-07	3E-07	9E-05	4E-19	----	4E-19	1E-07	----	2E-13	2E-06	----	3E-07	2E-11	3E-05	
U-238	6E-11	6E-11	3E-05	6E-11	2E-06	6E-11	6E-11	1E-10	3E-13	4E-07	----	2E-06	3E-06	5E-06	
Total risks	8E-04	4E-04	2E-03	2E-05	2E-03	4E-04	1E-04	2E-06	2E-05	2E-05	0E+00	1E-05	2E-04	3E-04	

Note: "----" indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or at the site or that toxicity data are not available.

Table B-89. Hazard quotients—future resident at year 100, ingestion of soil.

COPC	ARA-02			ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26
	ARA-01	Soils	Seepage Pit											
Aroclor-1242	----	----	3E-01	----	----	----	----	----	----	----	----	----	----	----
Aroclor-1254	----	----	----	----	----	----	----	----	----	----	----	----	----	2E+00
Bis(2-ethylhexyl)phthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Diethylphthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Diethylether	----	----	7E-08	----	----	----	----	----	----	----	----	----	----	----
Methylmethacrylate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Antimony	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Arsenic	3E-01	4E-02	8E-02	----	----	----	----	----	----	----	----	----	9E-02	9E-02
Barium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Cadmium	----	----	9E-02	----	----	----	----	----	----	----	----	----	----	----
Chromium(III)	----	----	7E-04	----	6E-04	----	----	----	----	----	----	----	----	----
Chromium(VI)	----	----	1E-01	----	1E-01	----	----	----	----	----	----	----	----	----
Cobalt	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Copper	----	----	3E-02	----	----	----	----	----	----	----	----	----	----	----
Lead	NTD	----	NTD	----	NTD	----	----	----	----	----	NTD	----	NTD	NTD
Manganese	----	----	----	----	9E-03	----	----	----	----	----	----	----	8E-03	----
Mercury	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Nickel	----	----	8E-02	----	----	----	----	----	----	----	----	----	----	----
Selenium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Silver	----	----	5E-02	----	----	----	----	----	----	----	----	----	----	----
Thallium	NTD	----	----	----	----	----	----	----	----	----	----	----	----	----
Vanadium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Zinc	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloride	----	----	----	----	----	NTD	----	----	----	----	----	NTD	----	----
Orthophosphate	----	----	----	----	----	----	----	----	----	----	----	NTD	----	----
Sulfate	----	----	----	----	----	NTD	----	----	----	----	----	NTD	----	----
Total hazard indices by pathway and site	3E-01	4E-02	1E+00	0E+00	1E-01	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1E-01	2E+00

Notes:

NTD indicates that toxicity data are not available.

"----" indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or at the site.

Table B-90. Hazard quotients—future resident at year 100, ingestion of homegrown produce.

COPC	ARA-02			ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26
	ARA-01	Soils	Seepage Pit											
Aroclor-1242	3E-12	3E-12	3E-05	3E-12	----	3E-12	3E-12	----	----	----	----	----	----	----
Aroclor-1254	----	----	----	----	----	----	----	----	----	----	----	----	4E-11	7E-05
Bis(2-ethylhexyl)phthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Diethylphthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Diethylether	NTD	NTD	NTD	NTD	----	NTD	NTD	----	----	----	----	----	----	----
Methylmethacrylate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Antimony	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Arsenic	6E-06	9E-07	2E-06	7E-09	----	7E-09	7E-09	----	----	----	----	----	2E-06	2E-06
Barium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Cadmium	NTD	NTD	NTD	NTD	----	NTD	NTD	----	----	----	----	----	----	----
Chromium(III)	NTD	NTD	NTD	NTD	NTD	NTD	NTD	NTD	----	----	----	----	----	----
Chromium(VI)	NTD	NTD	NTD	NTD	NTD	NTD	NTD	NTD	----	----	----	----	----	----
Cobalt	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Copper	NTD	NTD	NTD	NTD	----	NTD	NTD	----	----	----	----	----	----	----
Lead	NTD	NTD	NTD	NTD	NTD	NTD	NTD	NTD	----	----	NTD	----	NTD	NTD
Manganese	----	----	----	----	NTD	----	----	NTD	----	----	----	----	NTD	NTD
Mercury	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Nickel	NTD	NTD	NTD	NTD	----	NTD	NTD	----	----	----	----	----	----	----
Selenium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Silver	NTD	NTD	NTD	NTD	----	NTD	NTD	----	----	----	----	----	----	----
Thallium	NTD	NTD	NTD	NTD	----	NTD	NTD	----	----	----	----	----	----	----
Vanadium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Zinc	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloride	NTD	NTD	NTD	NTD	----	NTD	NTD	----	----	----	----	NTD	----	----
Orthophosphate	----	----	----	----	----	----	----	----	----	----	----	NTD	----	----
Sulfate	NTD	NTD	NTD	NTD	----	NTD	NTD	----	----	----	----	NTD	----	----
Total hazard indices by pathway and site	6E-06	9E-07	3E-05	7E-09	0E+00	7E-09	7E-09	0E+00	0E+00	0E+00	0E+00	0E+00	2E-06	7E-05

Notes:

NTD indicates that toxicity data are not available.

“----” indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or at the site.

Table B-91. Hazard quotients—future resident at year 100, inhalation.

COPC	Group 1		Group 2		Group 3		Group 4		Group 5		Group 6		
	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	Fugitive Dust	Volatiles	
Aroclor-1242	NTD	----	----	----	----	----	----	----	----	----	----	----	
Aroclor-1254	----	----	----	----	----	----	----	----	----	----	NTD	----	
Bis(2-ethylhexyl)phthalate	----	NTD	----	NTD	----	NTD	----	NTD	----	NTD	----	NTD	
Diethylphthalate	----	----	----	----	----	----	----	----	----	----	----	----	
Diethylether	NTD	----	----	----	----	----	----	----	----	----	----	----	
Methylmethacrylate	----	NTD	----	NTD	----	NTD	----	NTD	----	NTD	----	NTD	
Antimony	----	----	----	----	----	----	----	----	----	----	----	----	
Arsenic	NTD	----	----	----	----	----	----	----	----	----	NTD	----	
Barium	----	----	----	----	----	----	----	----	----	----	----	----	
Cadmium	NTD	----	----	----	----	----	----	----	----	----	----	----	
Chromium(III)	NTD	----	NTD	----	----	----	----	----	----	----	----	----	
Chromium(VI)	NTD	----	NTD	----	----	----	----	----	----	----	----	----	
Cobalt	----	----	----	----	----	----	----	----	----	----	----	----	
Copper	NTD	----	----	----	----	----	----	----	----	----	----	----	
Lead	NTD	----	NTD	----	----	----	NTD	----	----	----	NTD	----	
Manganese	----	----	1E-02	----	----	----	----	----	----	----	1E-02	----	
Mercury	----	----	----	----	----	----	----	----	----	----	----	----	
Nickel	NTD	----	----	----	----	----	----	----	----	----	----	----	
Selenium	----	----	----	----	----	----	----	----	----	----	----	----	
Silver	NTD	----	----	----	----	----	----	----	----	----	----	----	
Thallium	NTD	----	----	----	----	----	----	----	----	----	----	----	
Vanadium	----	----	----	----	----	----	----	----	----	----	----	----	
Zinc	----	----	----	----	----	----	----	----	----	----	----	----	
Chloride	NTD	----	----	----	----	----	----	----	NTD	----	----	----	
Orthophosphate	----	----	----	----	----	----	----	----	NTD	----	----	----	
Sulfate	NTD	----	NTD	----	----	----	----	----	----	----	----	----	
Total hazard indices by pathway and group	0E+00	0E+00	1E-02	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	1E-02	0E+00

NTD indicates that toxicity data are not available.

Note: "----" indicate that the contaminant is not a contaminant of potential concern (COPC) in the medium or in the group.

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Table B-92. Hazard quotients—future resident at year 100, groundwater use, Groups 1, 2, and 3.

Contaminant	Group 1			Group 2			Group 3		
	Ingestion	Dermal Absorption	Volatile Inhalation	Ingestion	Dermal Absorption	Volatile Inhalation	Ingestion	Dermal Absorption	Volatile Inhalation
Aroclor-1242	1E-05	1E-06	----	----	----	----	----	----	----
Aroclor-1254	----	----	----	----	----	----	----	----	----
Bis(2-ethylhexyl)phthalate	----	----	NTD	----	----	NTD	----	----	NTD
Diethylphthalate	----	----	----	----	----	----	----	----	----
Diethylether	1E-08	3E-09	----	----	----	----	----	----	----
Methylmethacrylate	----	----	NTD	----	----	NTD	----	----	NTD
Antimony	----	----	----	----	----	----	----	----	----
Arsenic	3E-02	2E-03	----	----	----	----	----	----	----
Barium	----	----	----	----	----	----	----	----	----
Cadmium	8E-04	2E-05	----	----	----	----	----	----	----
Chromium(III)	3E-05	7E-07	----	2E-03	5E-05	----	----	----	----
Chromium(VI)	6E-03	1E-04	----	5E-01	1E-02	----	----	----	----
Cobalt	----	----	----	----	----	----	----	----	----
Copper	9E-05	2E-06	----	----	----	----	----	----	----
Lead	NTD	NTD	----	NTD	NTD	----	----	----	----
Manganese	----	----	----	9E-04	2E-05	----	----	----	----
Mercury	----	----	----	----	----	----	----	----	----
Nickel	4E-05	9E-07	----	----	----	----	----	----	----
Selenium	----	----	----	----	----	----	----	----	----
Silver	3E-05	6E-07	----	----	----	----	----	----	----
Thallium	NTD	NTD	----	----	----	----	----	----	----
Vanadium	----	----	----	----	----	----	----	----	----
Zinc	----	----	----	----	----	----	----	----	----
Chloride	NTD	NTD	----	----	----	----	----	----	----
Orthophosphate	----	----	----	----	----	----	----	----	----
Sulfate	NTD	NTD	----	----	----	----	----	----	----
Total hazard indices by pathway and group	4E-02	2E-03	0E+00	5E-01	1E-02	0E+00	0E+00	0E+00	0E+00

Note: "----" indicate that the contaminant is not a contaminant of potential concern (COPC) in the medium or in the group.

Table B-93. Hazard quotients—future resident at year 100, groundwater use, Groups 4, 5, and 6.

Contaminant	Group 4			Group 5			Group 6		
	Ingestion	Dermal Absorption	Volatile Inhalation	Ingestion	Dermal Absorption	Volatile Inhalation	Ingestion	Dermal Absorption	Volatile Inhalation
Aroclor-1242	----	----	----	----	----	----	----	----	----
Aroclor-1254	----	----	----	----	----	----	4E-04	7E-07	----
Bis(2-ethylhexyl)phthalate	----	----	NTD	----	----	NTD	----	----	NTD
Diethylphthalate	----	----	----	----	----	----	----	----	----
Diethylether	----	----	----	----	----	----	----	----	----
Methylmethacrylate	----	----	NTD	----	----	NTD	----	----	NTD
Antimony	----	----	----	----	----	----	----	----	----
Arsenic	----	----	----	----	----	----	3E-01	2E-02	----
Barium	----	----	----	----	----	----	----	----	----
Cadmium	----	----	----	----	----	----	----	----	----
Chromium(III)	----	----	----	----	----	----	----	----	----
Chromium(VI)	----	----	----	----	----	----	----	----	----
Cobalt	----	----	----	----	----	----	----	----	----
Copper	----	----	----	----	----	----	----	----	----
Lead	NTD	NTD	----	----	----	----	NTD	NTD	----
Manganese	----	----	----	----	----	----	2E-03	4E-05	----
Mercury	----	----	----	----	----	----	----	----	----
Nickel	----	----	----	----	----	----	----	----	----
Selenium	----	----	----	----	----	----	----	----	----
Silver	----	----	----	----	----	----	----	----	----
Thallium	----	----	----	----	----	----	----	----	----
Vanadium	----	----	----	----	----	----	----	----	----
Zinc	----	----	----	----	----	----	----	----	----
Chloride	----	----	----	NTD	NTD	----	----	----	----
Orthophosphate	----	----	----	NTD	NTD	----	----	----	----
Sulfate	----	----	----	NTD	NTD	----	----	----	----
Total hazard indices by pathway and group	0E+00	0E+00	0E+00	0E+00	0E+00	0E+00	3E-01	2E-02	0E+00

NTD indicates that toxicity data are not available.

Note: "----" indicate that the contaminant is not a contaminant of potential concern (COPC) in the medium or in the group.

Table B-94. Total hazard index—future resident at year 100.

Contaminant	ARA-02			ARA-03	ARA-12	ARA-16	ARA-23	ARA-24	PBF-10	PBF-12	PBF-16	PBF-21	PBF-22	PBF-26
	ARA-01	Soils	Seepage Pit											
Aroclor-1242	1E-05	1E-05	2E+00	1E-05	----	1E-05	1E-05	----	----	----	----	----	----	----
Aroclor-1254	----	----	----	----	----	----	----	----	----	----	----	----	4E-04	2E+01
Bis(2-ethylhexyl)phthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Diethylphthalate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Diethylether	2E-08	2E-08	9E-07	2E-08	----	2E-08	2E-08	----	----	----	----	----	----	----
Methylmethacrylate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Antimony	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Arsenic	1E+00	2E-01	4E-01	4E-02	----	4E-02	4E-02	----	----	----	----	----	8E-01	8E-01
Barium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Cadmium	8E-04	8E-04	9E-02	8E-04	----	8E-04	8E-04	----	----	----	----	----	----	----
Chromium(III)	3E-05	3E-05	8E-04	3E-05	3E-03	3E-05	3E-05	2E-03	----	----	----	----	----	----
Chromium(VI)	6E-03	6E-03	2E-01	6E-03	6E-01	6E-03	6E-03	5E-01	----	----	----	----	----	----
Cobalt	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Copper	9E-05	9E-05	3E-02	9E-05	----	9E-05	9E-05	----	----	----	----	----	----	----
Lead	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Manganese	----	----	----	----	2E-02	----	----	1E-02	----	----	----	----	2E-02	2E-02
Mercury	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Nickel	4E-05	4E-05	8E-02	4E-05	----	4E-05	4E-05	----	----	----	----	----	----	----
Selenium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Silver	3E-05	3E-05	5E-02	3E-05	----	3E-05	3E-05	----	----	----	----	----	----	----
Thallium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Vanadium	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Zinc	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloride	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Orthophosphate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Sulfate	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Total hazard indices	1E+00	2E-01	3E+00	7E-02	6E-01	4E-02	4E-02	5E-01	0E+00	0E+00	0E+00	0E+00	8E-01	2E+01

Note: "----" indicates that the contaminant is not a contaminant of potential concern (COPC) in the medium or at the site or that toxicity data are not available.

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