Master Legend

Symbol	Definition
<	less than
ug/L	micrograms per liter
mg/kg	micrograms per gram
mg/100 cm^2	milligrams per 100 square centimeters
na	not applicable
NA	not analyzed
C	see report narrative for analyst's observation concerning result
D	dilution factor of 20.0 used to obtain result
I	an interference exists which masks true response
L	estimated concentration bias low
K	estimated concentration bias high
J	estimated concentration
UJ	estimated non-detect
nd	not detected
B	blank contamination
UL	estimated non-detect bias low
JP	estimated concentration, > 25% difference in the detected concentration between the two columns
R	rejected data
*	USEPA Region III (9/01)
†	chromium VI screening value (as per USEPA Region III)
#	Technical Review Workgroup for Lead: Guidance Document (April, 1999)

Table A-1
SWMU 39 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria			39SS1	39SS2	39SS3
FIELD ID				RVFS*40	RVFS*41	RVFS*42
SAMPLING DATE				25-FEB-92	25-FEB-92	25-FEB-92
DEPTH (ft)	Industrial Soil	Residential Soil	SSL Transfers	0-0.5	0-0.5	0-0.5
MATRIX	RBC	RBC	Soil to Groundwater	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals						
Aluminum	200000	7800	na	14400	14900	17500
Arsenic	3.8	0.43	0.026	***2.5***	***2.7***	***2.7***
Barium	14000	550	2100	98.4	113	94.8
Beryllium	410	16	1200	0.6	1.2	nd
Calcium	na	na	na	38500	1250	3300
Chromium	610	23	42	26	27.50	30.20
Cobalt	4100	160	na	11.2	13.4	13.5
Copper	8200	310	11000	15.1	19.8	22.1
Iron	120000	4700	na	25100	26700	29100
Lead	750	400	400	21.8	nd	19.5
Magnesium	na	na	na	19000	4250	5060
Manganese	4100	160	950	517	562	506
Nickel	4100	160	na	14.3	16.8	17.3
Potassium	na	na	na	1780	2080	1850
Silver	1000	39	31	1.4	1	nd
Sodium	na	na	na	210	226	239
Thallium	14	0.55	3.6	***22.7***	***17.8***	nd
Vanadium	1400	55	5100	50	52.2	54.4
Zinc	61000	2300	14000	52.4	72.1	61.3
SVOCs						
Cyclohexene oxide	na	na	na	0.2	0.22	0.2

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-2
SWMU 39 - VI Sludge Results - 1992

SITE ID	Comparison Criteria			39SL1	39SL2	39SL3
FIELD ID				RVFS*37	RVFS*38	RVFS*39
SAMPLING DATE				25-FEB-92	25-FEB-92	25-FEB-92
DEPTH (ft)	Industrial Soil	Residential Soil	SSL Transfers	0-1	0-1	0-1
MATRIX	RBC	RBC	Soil to Groundwater	CSE	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals						
Aluminum	200000	7800	na	19400	17500	22800
Antimony	82	3.1	13	***105***	nd	nd
Arsenic	3.8	0.43	0.026	***36***	***2.95***	***2.4***
Barium	14000	550	2100	1200	429	131
Beryllium	410	16	1200	nd	1	1.16
Calcium	na	na	na	3900	687	24300
Chromium	610	23	42	***248***	***206***	38.8
Cobalt	4100	160	na	8.45	8.22	14.8
Copper	8200	310	11000	***57000***	403	21.1
Iron	120000	4700	na	29300	26600	33600
Lead	750	400	400	***97000***	***21000***	33.4
Magnesium	na	na	na	2990	2690	13700
Manganese	4100	160	950	338	147	617
Nickel	4100	160	na	66.6	57.2	20.5
Potassium	na	na	na	2890	1420	2650
Silver	1000	39	31	7.51	0.934	1.27
Sodium	na	na	na	877	203	245
Thallium	14	0.55	3.6	***85.6***	***28***	***32.3***
Vanadium	1400	55	5100	28.1	54	68
Zinc	61000	2300	14000	356	145	74.7

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-2
SWMU 39 - VI Sludge Results - 1992

SITE ID	Comparison Criteria			39SL1	39SL2	39SL3
FIELD ID				RVFS*37	RVFS*38	RVFS*39
SAMPLING DATE				25-FEB-92	25-FEB-92	25-FEB-92
DEPTH (ft)	Industrial Soil	Residential Soil	SSL Transfers	0-1	0-1	0-1
MATRIX	RBC	RBC	Soil to Groundwater	CSE	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs						
Bis(2-Ethylhexyl)phthalate	410	46	2900	30	nd	nd
Butylbenzylphthalate	41000	1600	17000	20	nd	nd
Di-n-butylphthalate	20000	780	5000	9	1.6	nd
Fluoranthene	8200	310	6300	nd	0.14	nd
Phenanthrene	na	na	na	6	0.14	nd
Pyrene	6100	230	680	10	0.25	nd
SVOC TICs						
2,6,10,14-Tetramethylpentadecane	na	na	na	60	1.1	0.52
Cyclohexene oxide	na	na	na	nd	0.25	nd
Heneicosane	na	na	na	60	nd	nd
Heptadecane	na	na	na	90	nd	nd
Hexadecane	na	na	na	60	nd	nd
Tetradecane	na	na	na	20	nd	nd

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-3
SWMU 39 - RFI Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria			39MW7A	39MW7B	39MW8A	39MW8B	39SB1A	39SB1B
FIELD ID				39MW7A	39MW7B	39MW8A	39MW8B	39SB1A	39SB1B
SAMPLING DATE				14-APR-98	14-APR-98	17-APR-98	17-APR-98	21-APR-98	21-APR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	6-9	14-16	6-8	12-16	0-0.5	1-2
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	200000	7800	na	13,700	5,510	23,900	8,390	23,600	24,000
Antimony	82	3.1	13	0.76 J	< 0.52	1 J	< 0.59	1.5 J	1.2 J
Arsenic	3.8	0.43	0.026	***2.6***	***2***	***3.1***	***2.9***	***2.9***	***3.9***
Barium	14000	550	2100	65.5 J	37.8 J	117 J	55.9 J	114 J	113 J
Beryllium	410	16	1200	0.52	0.4 J	0.78	0.39 B	0.44 B	0.85
Calcium	na	na	na	782	619	1350	85800	518 J	904
Chromium	610	23	42	22.2	15	32.4	19.9	***72.9***	32.1
Cobalt	4100	160	na	10 J	5 J	13.4 J	6.9 J	7.1 J	12.9 J
Copper	8200	310	11000	14.1 J	11.4 B	21.7	14.6	336	196
Iron	120000	4700	na	26,000	16,400	36,400	22,800	28,500	38,100
Lead	750	400	400	9.3	4.9	11.9	6.2	***7070***	***537***
Magnesium	na	na	na	3,050	1,730	5,000	51,000	3,930	4,630
Manganese	4100	160	950	348	320	471	392	113	189
Nickel	4100	160	na	11.9 J	8.7 J	18.9 J	8.4 J	19.5 J	19.6 J
Potassium	na	na	na	1,500 J	670 J	2870 UJ	1620	2710	3260
Selenium	1000	39	19	0.46 UJ	0.42 UJ	0.47 UJ	0.47 UJ	0.89 J	0.49 UJ
Sodium	na	na	na	116 B	88.4 B	168 J	363 J	173 J	169 J
Thallium	14	0.55	3.6	1.2 J	< 0.62	0.7 UJ	0.71 UJ	0.77 UJ	0.74 UJ
Vanadium	1400	55	5100	43.2 J	15.4 J	65.6 J	29.9 J	66.1 J	67.5 J
Zinc	61000	2300	14000	43.6 J	24.2 J	66.7 J	22.6 J	75.7 J	71.8 J

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-3
SWMU 39 - RFI Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria			39SB1D	39SB2B	39SB2D	39SB2F	39SB3A	39SB3B
FIELD ID				39SB1D	39SB2B	39SB2D	39SB2F	39SB3A	39SB3B
SAMPLING DATE				21-APR-98	20-APR-98	20-APR-98	20-APR-98	21-APR-98	21-APR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	4-6	1-2	4-6	12-14	0-0.5	1-2
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	200000	7800	na	20,900	28,300	18,100	18,700	37,300	37,400
Antimony	82	3.1	13	0.86 J	1.2 J	0.69 J	< 0.64	0.66	0.95 J
Arsenic	3.8	0.43	0.026	***2.6***	***3.4***	***3***	***9.2***	***5.3***	***6***
Barium	14000	550	2100	114 J	121 J	94.9 J	59.5 J	178 J	162 J
Beryllium	410	16	1200	0.67 B	0.93	0.67 B	0.89	1.3	1.4
Calcium	na	na	na	1170	1290	1200	1730	1980	1470
Chromium	610	23	42	39	35.5	25.9	35.7	***50.5***	***47.5***
Cobalt	4100	160	na	11.6 J	16.3 J	12.1 J	11.1 J	15.3 J	24.2 J
Copper	8200	310	11000	30.4	25.9	15.9	34.4	42.3	44.3
Iron	120000	4700	na	31,900	42,600	31,000	29,400	44,500	52,800
Lead	750	400	400	21.4	19.2	10.5	17.7	249	73.6
Magnesium	na	na	na	4,510	5,510	4,110	12,800	6,100	4,350
Manganese	4100	160	950	409	579	393	342	198	294
Nickel	4100	160	na	16.7 J	21.6 J	15 J	26.2 J	26.9 J	24.3 J
Potassium	na	na	na	3090	3710	2320	4490	3080	3040
Selenium	1000	39	19	0.49 UJ	0.5 UJ	0.65 J	0.51 UJ	0.53 UJ	0.5 UJ
Sodium	na	na	na	219 J	248 J	191 J	251 J	288 J	241 J
Thallium	14	0.55	3.6	0.73 UJ	1 UJ	0.71 UJ	0.77 UJ	0.79 UJ	0.75 UJ
Vanadium	1400	55	5100	60.3 J	76.4 J	52.5 J	49.8 J	89.9 J	92.7 J
Zinc	61000	2300	14000	70.5 J	73.9 J	59.1 J	44.8 J	94.6 J	120 J

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-3
SWMU 39 - RFI Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria			39SB3D	39SB4B	39SB4D	39SB4F
FIELD ID				39SB3D	39SB4B	39SB4D	39SB4F
SAMPLING DATE				21-APR-98	20-APR-98	20-APR-98	20-APR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	4-6	1-2	4-6	6-10
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals							
Aluminum	200000	7800	na	22,700	22,400	34,500	31,100
Antimony	82	3.1	13	< 0.6	1.1 J	1.1 J	< 0.6
Arsenic	3.8	0.43	0.026	***3***	***4.1***	***3.5***	***2.9***
Barium	14000	550	2100	108 J	216 J	124 J	125 J
Beryllium	410	16	1200	0.78	1.1	0.81	0.72 B
Calcium	na	na	na	1640	1750	1510	1,480
Chromium	610	23	42	32.4	31.7	***42.1***	***44.4***
Cobalt	4100	160	na	11.3 J	17.2 J	16.9 J	9.2 J
Copper	8200	310	11000	24	19.3	25.4	21.9
Iron	120000	4700	na	23,500	27,900	36,900	31,900
Lead	750	400	400	11.9	17.7	16.3	13.2
Magnesium	na	na	na	5,360	3,020	4,830	5,180
Manganese	4100	160	950	145	***1110***	359	262
Nickel	4100	160	na	18.3 J	16.4 J	22.3 J	20.7 J
Potassium	na	na	na	2280	1890	2770	3,050
Selenium	1000	39	19	0.6 J	1.2 J	0.5 UJ	0.48 UJ
Sodium	na	na	na	218 J	206 J	232 J	231 J
Thallium	14	0.55	3.6	0.98 J	0.74 UJ	0.86 J	0.75 J
Vanadium	1400	55	5100	58.6 J	53.2 J	78.7 J	74.8 J
Zinc	61000	2300	14000	63.2 J	76.7 J	84.8 J	71.5 J

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-4
SWMU 39 - RFI Detected TCLP Metals Results in Soil - 1998

SITE ID		39SB1C	39SB1E	39SB2C	39SB2E	39SB3C	39SB3E	39SB4C	39SB4E
FIELD ID		39SB1C	39SB1E	39SB2C	39SB2E	39SB3C	39SB3E	39SB4C	39SB4E
DATE SAMPLED		21-APR-98	21-APR-98	20-APR-98	20-APR-98	21-APR-98	21-APR-98	20-APR-98	20-APR-98
DEPTH (ft)	TCLP	2-6	12-12.5	2-6	8-12	2-6	6-8	2-6	6-10
MATRIX	Criteria	CSO	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Arsenic	5000	< 6	< 6	< 6	< 6	< 6	8 J	< 6	< 6
Barium	100000	518 J	215	433 J	160 J	343 J	493 J	352 J	393 J
Cadmium	1000	1 J	< 1	1 UJ	< 1	4.1 J	2.5 J	1 UJ	1 UJ
Lead	5000	2 UJ	< 2	5.2 B	2 UJ	2 UJ	5.8 B	2.4 B	14.2

Table A-5
SWMU 48 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria			48SB1	48SB1	48SB2	48SB2
FIELD ID				RVFS*1	RVFS*2	RVFS*3	RVFS*4
SAMPLING DATE				19-AUG-91	19-AUG-91	16-AUG-91	16-AUG-91
DEPTH (ft)	Industrial	Residential	SSL Transfers	7.5-9	13-15	10-12	20-22
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals							
Aluminum	200000	7800	na	2940	12200	15700	14600
Arsenic	3.8	0.43	0.026	***8.2***	***3.1***	***4.7***	***2.8***
Barium	14000	550	2100	42.5	36.7	52.4	70.8
Beryllium	410	16	1200	0.8	1.7	2.2	5
Calcium	na	na	na	240000	662	9740	198
Chromium	610	23	42	7.8	27.3	29.5	31.9
Cobalt	4100	160	na	3	6.34	11.3	17.9
Copper	8200	310	11000	10.8	6.87	135	14.6
Iron	120000	4700	na	8550	21200	25800	41600
Lead	750	400	400	36.9	nd	154	nd
Magnesium	na	na	na	130000	784	3390	763
Manganese	4100	160	950	222	195	278	547
Mercury	61	2.3	na	2.6	nd	0.2	nd
Nickel	4100	160	na	4.9	6.6	25.6	24.5
Potassium	na	na	na	327	551	758	934
Silver	1000	39	31	1	nd	0.9	nd
Sodium	na	na	na	551	372	391	2880
Vanadium	1400	55	5100	9	30	34.3	32.8
Zinc	61000	2300	14000	38.2	23	71.3	29.8

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-5
SWMU 48 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria			48SB1	48SB1	48SB2	48SB2
FIELD ID				RVFS*1	RVFS*2	RVFS*3	RVFS*4
SAMPLING DATE				19-AUG-91	19-AUG-91	16-AUG-91	16-AUG-91
DEPTH (ft)	Industrial	Residential	SSL Transfers	7.5-9	13-15	10-12	20-22
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Organics							
2,4-Dinitrotoluene*	8.4	0.94	na	nd	nd	3.2	nd
2,6-Dinitrotoluene*	8.4	0.94	na	nd	nd	1.2	nd
2-Methylnaphthalene	4100	160	22	nd	nd	nd	nd
Bis(2-Ethylhexyl)phthalate	410	46	2900	nd	nd	1.0	nd
Di-n-butylphthalate	20000	780	5000	nd	nd	2.9	0.2
Naphthalene	4100	160	0.15	nd	nd	0.3	nd
Phenanthrene	na	na	na	0.2	nd	0.1	nd
Pyrene	6100	230	680	0.3	nd	nd	nd
Toluene	410000	16000	8.8	nd	nd	0.001	nd
Xylene	na	na	na	nd	nd	nd	nd
Organic TICs							
2,6,10,14-Tetramethylpentadecane	na	na	na	nd	nd	0.8	nd
Heptadecane	na	na	na	nd	nd	1.3	nd
Hexadecane	na	na	na	nd	nd	1.0	nd
Tetradecane	na	na	na	nd	nd	0.5	nd
Tridecane	na	na	na	nd	nd	0.4	nd

* 'Dinitrotoluene mix' RBC values were used.

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-6
SWMU 48 - VI Detected TCLP Metal Results in Soil - 1992

SITE ID		48SB1	48SB1	48SB2	48SB2
FIELD ID		RVFSL*1	RVFSL*2	RVFSL*3	RVFSL*4
SAMPLING DATE		25-AUG-91	25-AUG-91	25-AUG-91	25-AUG-91
DEPTH (ft)	TCLP	7.5-9	13-15	10-12	20-22
MATRIX	Criteria	CSO	CSO	CSO	CSO
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals					
Barium	100000	292	264	131	289
Lead	5000	nd	nd	149	nd

Table A-7
SWMU 48 - RFI Detected Metal Results in Soil - 1996

SITE ID	Comparison Criteria			48SS1	48SS2	48SS3	48SS8*
FIELD ID				48SS1	48SS2	48SS3	48SS8*
SAMPLING DATE				16-DEC-94	16-DEC-94	16-DEC-94	16-DEC-94
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-1	0-1	0-1	0-1
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals							
Arsenic	3.8	0.43	0.026	***3.42***	***7.97***	nd	***4.76***
Barium	14000	550	2100	572	82.3	108	110.72
Beryllium	410	16	1200	1.62	0.739	0.872	1.31
Chromium	610	23	42	5.34	***47.8***	24.3	37.59
Lead	750	400	400	4.4	160	18	38.55
Mercury	61	2.3	na	1.11	0.441	nd	0.39
Nickel	4100	160	na	8.93	25.4	6.13	14.22
Selenium	1000	39	19	nd	1.07	nd	0.78
Silver	1000	39	31	nd	0.0285	0.0245	0.02

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

* Duplicate sample of 48SS2

Table A-8
SWMU 48 - RFI Detected Organic Results in Soil - 1996

SITE ID	Comparison Criteria			48SB4	48SB4	48SS1	48SS2	48SS8*
FIELD ID				48SB4A11	48SB4B21	48SS1	48SS2	48SS8*
SAMPLING DATE				17-DEC-94	17-DEC-94	16-DEC-94	16-DEC-94	16-DEC-94
DEPTH (ft)	Industrial	Residential	SSL Transfers	10-11	20-21	0-1	0-1	0-1
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Organics								
bis(2-Ethylhexyl)phthalate	410	46	2900	2.8	3.6	1.5	1.3	1.57
Chrysene	780	87	150	nd	nd	.086	nd	0.09
Di-n-butylphthalate	20000	780	5000	nd	6	nd	10	8.55
N-Nitrosodiphenylamine	1200	130	0.76	***1.4***	***1.7***	nd	nd	nd
Phenanthrene	na	na	na	nd	nd	.27	nd	nd
Total organic carbon	na	na	na	NA	1209	NA	NA	NA

Bold underlined text indicates that the value exceeds the SSL Transfer value.

* Duplicate sample of 48SS2

Table A-9
SWMU 48 - RFI Test Pit Detected Metal Results - 1998

SITE ID				48TP1	48TP2	48TP3	48TP4
FIELD ID	Comparison Criteria			48TP1	48TP2	48TP3	48TP4
SAMPLING DATE	Industrial	Residential	SSL Transfers	24-MAR-98	24-MAR-98	24-MAR-98	24-MAR-98
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	6-6.5	6-6.5	6-6.5	6-6.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals							
Aluminum	200000	7800	na	9,230	47,400	50,700	47,900
Antimony	82	3.1	13	< 0.66	1.3 J	1.5 J	1.5 J
Arsenic	3.8	0.43	0.026	***8.1***	***4.3***	***4.8***	***4.8***
Barium	14000	550	2100	34.6 J	71.8 J	70.6 J	80.4 J
Beryllium	410	16	1200	1.5 J	0.48 J	0.51 J	0.55 J
Calcium	na	na	na	4,650	697	266 J	246 J
Chromium	610	23	42	23.2	28.4	33	31.2
Cobalt	4100	160	na	13.8 J	6.7 J	7.5 J	6.2 J
Copper	8200	310	11000	15.4 J	18.6 J	19.7 J	20.1 J
Iron	120000	4700	na	16,700	51,100	55,000	54,800
Lead	750	400	400	17.8	17	14.7	15.8
Magnesium	na	na	na	442 J	2,310	1,980	2,160
Manganese	4100	160	950	314	188	218	163
Nickel	4100	160	na	8.6 J	20.9 J	21.2 J	22 J
Potassium	na	na	na	176 J	2,910 J	2,670 J	2,920 J
Sodium	na	na	na	5,740 J	323 J	288 J	224 J
Thallium	14	0.55	3.6	1.1 UJ	1.9 J	0.66 UJ	0.65 UJ
Vanadium	1400	55	5100	12.1 J	94.6 J	100 J	96.4 J
Zinc	61000	2300	14000	58.7 J	65.6 J	70.2 J	67.8 J

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-10
SWMU 48 - RFI Test Pit Detected Organic Results - 1998

SITE ID	Comparison Criteria			48TP1	
FIELD ID				48TP1	
SAMPLING DATE	Industrial	Residential	SSL Transfers	24-MAR-98	
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	6-6.5	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	
Explosives					
1,3-Dinitrobenzene	20	0.78	0.037	***2.7***	J
2,4-Dinitrotoluene*	8.4	0.94	0.57	***6.7***	J
2,6-Dinitrotoluene*	8.4	0.94	0.25	***1.3***	
4-Amino-2,6-dinitrotoluene	12	0.47	na	5.5	J
HMX	10000	390	na	5.2	J
Nitrobenzene	100	3.9	0.023	***1.0***	J
RDX	52	5.8	na	0.85	J
1,3,5-Trinitrobenzene	6100	230	na	1.4	J

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

* 'Dinitrotoluene mix' RBC values were used.

Table A-11
SWMU 48 - RFI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			48SB6A	48SB6B	48SB6C	48SB7A	48SB7B
FIELD ID				48SB6A	48SB6B	48SB6C	48SB7A	48SB7B
SAMPLING DATE				26-MAR-98	26-MAR-98	26-MAR-98	30-MAR-98	30-MAR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	6-7	14-16	1-3	8-9	10-11
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	200000	7800	na	15,700	34,200	11,800	24,600	16,500
Antimony	82	3.1	13	1.6 J	1.1 J	< 0.94	0.9 J	< 0.57
Arsenic	3.8	0.43	0.026	**2.8**	**5.4**	**5**	**8**	**3.5**
Barium	14000	550	2100	83.4 J	72.9 J	47 J	111 J	49.8 J
Beryllium	410	16	1200	< 0.16	0.93 J	0.56 B	0.69 B	0.76 B
Calcium	na	na	na	35,800	860	120,000	2,640	984
Chromium	610	23	42	35.5	**42.2**	**65.4**	33.3	37.4
Cobalt	4100	160	na	7.6 J	11.5 J	4.2 J	12.5 J	15 J
Copper	8200	310	11000	33.3 J	15.1 J	149 J	36.9 J	9.6 B
Iron	120000	4700	na	18,100	39,700	11,700	45,600	25,300
Lead	750	400	400	59.6	8	286	25.6	9
Magnesium	na	na	na	4,660	1,440	4,730	1,810	950
Manganese	4100	160	950	148	342	123	176	613
Nickel	4100	160	na	18.8 J	17.6 J	39.2 J	24.4 J	10.6 J
Potassium	na	na	na	2,200 J	1,430 J	805 J	2,220 J	909 J
Silver	1000	39	31	< 0.16	< 0.13	< 0.38	0.39 J	< 0.23
Sodium	na	na	na	537 J	180 J	339 J	211 B	100 B
Vanadium	1400	55	5100	33 J	41.2 J	16.2 J	73.2 J	23.1 J
Zinc	61000	2300	14000	54.5 J	46.6 J	73.6 J	67.1 J	29 J

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-12
SWMU 48 - RFI Detected Organic Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			48SB6A	48SB6C	48SB7A	48SB7B
FIELD ID				48SB6A	48SB6C	48SB7A	48SB7B
SAMPLING DATE				26-MAR-98	26-MAR-98	30-MAR-98	30-MAR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	6-7	1-3	8-9	10-11
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatiles							
Benzene	100	12	0.0018	***0.017*** J	< ***1.2***	< ***0.94***	< ***0.006***
Toluene	410000	16000	8.8	0.023 J	< 1.2	< 0.94	< 0.006
o-xylene	410000	16000	230	0.64 J	< 1.2	< 0.94	< 0.006
Xylene (total)	410000	16000	170	1.1	< 1.2	< 0.94	< 0.006
Semivolatiles							
Benz[a]anthracene	7.8	0.87	1.5	0.0029 UJ	0.0051	< 0.021	< 0.0019
Benzo[a]pyrene	0.78	0.087	0.37	0.0029 UJ	0.0056	< 0.021	< 0.0019
Benzo[k]fluoranthene	78	8.7	45	0.0029 UJ	0.0054	< 0.021	< 0.0019
Di-n-butylphthalate	20000	780	5000	0.36 J	15	0.49 UJ	0.081 J
Bis(2-ethylhexyl)phthalate	410	46	2900	0.13 J	0.35 J	< 0.49	< 0.38
n-Nitrosodiphenylamine	1200	130	0.76	0.65	0.56 J	0.49 UJ	< 0.38
Explosives							
2,4-Dinitrotoluene*	8.4	0.94	0.57	< 0.52	***2.2***	< 0.49	< 0.38
2,6-Dinitrotoluene*	8.4	0.94	0.25	< ***0.52***	***1.3***	< ***0.49***	< ***0.38***
1,3-Dinitrobenzene	20	0.78	0.037	***0.25*** UJ	***0.25*** UJ	***3.6*** J	***0.25*** UJ
2,4-Dinitrotoluene	410	16	0.57	0.25 UJ	***3.8*** J	0.25 UJ	0.25 UJ
2,6-Dinitrotoluene	200	7.8	0.25	< ***0.25***	***1.1*** J	***0.25*** UJ	***0.25*** UJ
1,3,5-Trinitrobenzene	6100	230	na	0.25 UJ	0.25 UJ	72.15 J	0.53 J
2,4,6-Trinitrotoluene	190	21	na	0.25 UJ	0.25 UJ	690 J	35.9 J

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

* 'Dinitrotoluene mix' RBC values were used.

Table A-13
SWMU 48 - RFI Detected VOC (Methanol Extraction) Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			48SB6A	48SB6B	48SB6C	48SB7A
FIELD ID				48SB6A2	48SB6B2	48SB6C2	48SB7A2
SAMPLING DATE				8-APR-98	8-APR-98	8-APR-98	8-APR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	6-7	14-16	1-3	8-9
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatiles (Methanol Extraction)							
1,2,4-Trimethylbenzene	10000	390	na	3.9	< 0.85	< 1.2	< 0.94
1,3,5-Trimethylbenzene	10000	390	na	3.9	< 0.85	< 1.2	< 0.94
Acetone	20000	780	2.5	1.3 B	1.0 B	1.4 B	1.1 B
m&p-xylenes	410000	16000	250	1.1	< 0.85	< 1.2	< 0.94
o-xylene	410000	16000	230	0.64 J	< 0.85	< 1.2	< 1.94
Trichlorofluoromethane	61000	2300	na	< 0.99	< 0.85	< 1.2	0.7 J

Table A-14
SWMU 49 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria			48SB3
FIELD ID				RVFS*6
SAMPLING DATE				19-AUG-91
DEPTH (ft)	Industrial	Residential	SSL Transfers	18-20
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Metals				
Aluminum	200000	7800	na	16400
Barium	14000	550	2100	32.5
Beryllium	410	16	1200	3
Chromium	610	23	42	13.2
Cobalt	4100	160	na	25.6
Copper	8200	310	11000	3
Iron	120000	4700	na	23700
Magnesium	na	na	na	751
Manganese	4100	160	950	168
Nickel	4100	160	na	30.8
Potassium	na	na	na	1890
Sodium	na	na	na	315
Vanadium	1400	55	5100	16.8
Zinc	61000	2300	14000	23.8

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-14
SWMU 49 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria			48SB3
FIELD ID				RVFS*6
SAMPLING DATE				19-AUG-91
DEPTH (ft)	Industrial	Residential	SSL Transfers	18-20
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Organics				
2-Methylnaphthalene	4100	160	22	***30***
Ethylbenzene	20000	780	15	0.1
Fluorene	8200	310	140	8.0
Naphthalene	4100	160	0.15	***6***
Phenanthrene	na	na	na	10
Toluene	410000	16000	8.8	0.003
Xylene (total)	410000	16000	170	0.3
Organic TICs				
1,1,3-Trimethylcyclohexane	na	na	na	0.1
2,6,10,14-Tetramethylpentadecane	na	na	na	200
Eicosane	na	na	na	100
Heptadecane	na	na	na	200
Hexadecane	na	na	na	200
Nonadecane	na	na	na	10
Octadecane	na	na	na	200
Tetradecane	na	na	na	200
Tridecane	na	na	na	200
Total Unknown TICs	na	na	na	1086

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-15
SWMU 49 - RFI Detected Metal Results in Surface Soil - 1996

SITE ID	Comparison Criteria			48SS4	48SS5	48SS6
FIELD ID				48SS4	48SS5	48SS6
SAMPLING DATE				16-DEC-94	16-DEC-94	16-DEC-94
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-1	0-1	0-1
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals						
Arsenic	3.8	0.43	0.026	***3.66***	nd	***3.81***
Barium	14000	550	2100	114	53.9	119
Beryllium	410	16	1200	nd	0.624	0.74
Chromium	610	23	42	14.4	30.3	15.9
Lead	750	400	400	21.5	22	14.1
Mercury	61	2.3	na	0.497	0.104	nd
Nickel	4100	160	na	6.04	10.3	5.77
Selenium	1000	39	19	0.668	nd	nd
Silver	1000	39	31	0.0262	nd	0.0222

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-16
SWMU 49 - RFI Detected Organic Results in Soil - 1996

SITE ID	Comparison Criteria			48MW1	48MW1	48MW2	48MW2	48MW3	48MW3
FIELD ID				48MW1A22	48MW1B54	48MW2A42	48MW2B46	48MW3A22	48MW3B32
SAMPLING DATE				17-DEC-94	18-DEC-94	20-DEC-94	20-DEC-94	07-JAN-95	07-JAN-95
DEPTH (ft)	Industrial	Residential	SSL Transfers	20-22	52-54	40-42	44-46	20-22	30-32
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Organics									
Bis(2-Ethylhexyl)phthalate	410	46	2900	8.1	7.2	1.9	nd	3.8	2.0
Chrysene	780	87	150	nd	nd	nd	nd	nd	nd
Di-n-butylphthalate	20000	780	5000	nd	nd	nd	nd	1.9	nd
Naphthalene	4100	160	0.15	nd	nd	nd	nd	nd	nd
Phenanthrene	na	na	na	nd	nd	nd	nd	nd	nd
Phenol	1200000	47000	130	nd	nd	0.12	nd	nd	nd
Pyrene	6100	230	680	nd	nd	nd	nd	nd	nd
Total organic carbon	na	na	na	NA	1353	NA	39281	NA	1244
Total petroleum hydrocarbons	na	na	na	nd	nd	nd	nd	nd	nd
Wet Chemistry									
pH	na	na	na	NA	NA	NA	NA	NA	NA

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-16
SWMU 49 - RFI Detected Organic Results in Soil - 1996

SITE ID	Comparison Criteria			48SB5	48SB5	48SB5	48SS4	48SS5	48SS6
FIELD ID				48SB5	48SB5A19	48SB5B37	48SS4	48SS5	48SS6
SAMPLING DATE				17-DEC-94	17-DEC-94	17-DEC-94	16-DEC-94	16-DEC-94	16-DEC-94
DEPTH (ft)	Industrial	Residential	SSL Transfers	Composite	17-19	35-37	0-1	0-1	0-1
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Organics									
Bis(2-Ethylhexyl)phthalate	410	46	2900	NA	40	10	nd	nd	1.2
Chrysene	780	87	150	NA	nd	nd	0.079	nd	0.07
Di-n-butylphthalate	20000	780	5000	NA	nd	nd	nd	nd	nd
Naphthalene	4100	160	0.15	NA	***20***	nd	nd	nd	nd
Phenanthrene	na	na	na	NA	10	nd	0.31	nd	0.28
Phenol	1200000	47000	130	NA	nd	nd	nd	nd	nd
Pyrene	6100	230	680	NA	0.8	nd	nd	nd	nd
Total organic carbon	na	na	na	NA	NA	1233	NA	NA	NA
Total petroleum hydrocarbons	na	na	na	NA	3570	nd	12	335	nd
Wet Chemistry									
pH	na	na	na	5.31	NA	NA	NA	NA	NA

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-17
SWMU 49 - RFI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			49SB1A	49SB1B	49SB1C	49SB1D	49SB1E	49SB1F
FIELD ID				49SB1A	49SB1B	49SB1C	49SB1D	49SB1E	49SB1F
SAMPLING DATE				31-MAR-98	31-MAR-98	31-MAR-98	31-MAR-98	31-MAR-98	31-MAR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	8-10	18-24	28-32	38-40	48-50	58-60
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	200000	7800	na	27,300	18,300	22,700	19,900	14,800	13,000
Antimony	82	3.1	13	< 0.6	< 0.62	0.87 J	0.75 J	0.85 J	0.68 J
Arsenic	3.8	0.43	0.026	***3.2***	***2.5***	***3.8***	***3.9***	***4.2***	***2.8***
Barium	14000	550	2100	56.7 J	35 J	53.4 J	54.6 J	63.4 J	82 J
Beryllium	410	16	1200	0.6 B	1.7 J	3 J	1.6 J	1.1 J	0.84 J
Calcium	na	na	na	714	304 J	771	592	1780	1710
Chromium	610	23	42	29.2	22.3	27.5	35.3	27.3	25.4
Cobalt	4100	160	na	3.9 J	28.7 J	27.1 J	22.3 J	12.3 J	29 J
Copper	8200	310	11000	24 J	5.1 B	7.6 B	14.5 J	12.6 B	37.5 J
Iron	120000	4700	na	33600	40300	43000	39000	37700	33700
Lead	750	400	400	55.6	9.6	5.5	6.9	3	4.5
Magnesium	na	na	na	1110	2,270	9610	8,640	10,300	9,820
Manganese	4100	160	950	74.5	350	449	271	532	421
Nickel	4100	160	na	11.7 J	22.5 J	48.2 J	54.1 J	42.7 J	45.1 J
Potassium	na	na	na	1,280 J	1,780 J	2,900 J	1,950 J	1,000 J	1,360 J
Thallium	14	0.55	3.6	0.78 J	< 0.74	< 0.72	< 0.69	0.93 J	< 0.7
Vanadium	1400	55	5100	63.2 J	23.2 J	21 J	18.8 J	22.3 J	14.3 J
Zinc	61000	2300	14000	48.4 J	23.6 J	28.7 J	15.8 J	17.2 J	13.3 J

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-18
SWMU 49 - RFI Detected Organics Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			49SB1A	49SB1B	49SB1C	49SB1E
FIELD ID				49SB1A	49SB1B	49SB1C	49SB1E
SAMPLING DATE				31-MAR-98	31-MAR-98	31-MAR-98	31-MAR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	8-10	18-24	28-32	48-50
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatiles							
Ethylbenzene	20000	780	15	0.028 J	1.7	1.1	< 0.006
o-xylene	410000	16000	230	0.086 UJ	0.71 J	< 0.77	< 0.006
xylene (total)	410000	16000	170	0.072 UJ	5.3	1.7	< 0.006
Semivolatiles							
Dibenzofuran	820	31	8	< 2	1.8 J	< 0.41	< 0.4
bis(2-Ethylhexyl)phthalate	410	46	2900	2 UJ	0.41 UJ	< 0.41	0.064 J
Fluorene	8200	310	140	< 2	1.8 J	< 0.68	< 0.4
2-Methylnaphthalene	4100	160	22	16	9.8	5.7 J	< 0.4
Naphthalene	4100	160	0.15	< ***2***	***4.1*** J	***11***	***0.4*** UJ
Phenanthrene	na	na	na	10 J	3.8 J	0.41 UJ	< 0.4
Explosives							
2-Amino-4,6-dinitrotoluene	12	0.47	na	0.6 J	0.25 UJ	0.24 UJ	0.24 UJ
Tetryl	2000	78	na	0.72 J	0.6 J	0.24 UJ	0.24 UJ
2,4,6-Trinitrotoluene	190	21	na	0.4 J	0.25 UJ	0.24 UJ	0.24 UJ

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-19
SWMU 49 - RFI Detected VOC (Methanol Extraction) Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			49SB1B	49SB1C	49SB1D
FIELD ID				49SB1B2	49SB1C2	49SB1D2
SAMPLING DATE				9-APR-98	9-APR-98	9-APR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	18-24	28-32	38-40
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatiles (Methanol Extraction)						
1,3,5-Trimethylbenzene	10000	390	na	26	< 0.77	< 0.74
4-Chlorotoluene	na	na	na	12	9.8	< 0.74
4-Isopropyltoluene	na	na	na	2.5	6.8	< 0.74
Acetone	20000	780	2.5	< 0.78	0.83 B	1.1 B
Ethylbenzene	20000	780	15	1.7	1.1	< 0.74
Isopropylbenzene	na	na	na	1.1	1.1	< 0.74
m&p-xylenes	410000	16000	250	5.3	1.7	< 0.74
Naphthalene	4100	160	0.15	***13***	***11***	***1***
o-xylene	410000	16000	230	0.71 J	< 0.77	< 0.74

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-20
SWMU 50 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria			50SL1	50SL2	50SL1	50SL2
FIELD ID				RVFS*9	RVFS*10	RVFSL*9	RVFSL*10
SAMPLING DATE				17-AUG-91	17-AUG-91	25-AUG-91	25-AUG-91
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-5	0-5	0-5	0-5
MATRIX	RBC*	RBC*	Soil to Groundwater	CSE	CSE	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	ug/L
Organics							
1,1,1-Trichloroethane	570000	22000	60	5.0	nd	NA	NA
2-Methylnaphthalene	4100	160	22	0.5	nd	NA	NA
Chloroform	940	100	0.00089	***2.0***	nd	NA	NA
Naphthalene	4100	160	0.15	***0.4***	nd	NA	NA
Phenanthrene	na	na	na	0.2	nd	NA	NA
Hexadecanoic acid, butyl ester	na	na	na	nd	1.7	NA	NA
TCLP Metals	**TCLP Criteria (ug/L)**						
Arsenic	5000			NA	NA	3.5	nd
Barium	100000			NA	NA	140	133
Chromium	5000			NA	NA	40.8	22.5
Lead	5000			NA	NA	67	48

Bold underlined text indicates that the value exceeds the SSL Transfer value.

TCLP concentrations are reported in ug/L.

Table A-21
SWMU 58 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria			58SS1	58SS2	58SS3
FIELD ID				RVFS*53	RVFS*54	RVFS*55
SAMPLING DATE				10-FEB-92	10-FEB-92	10-FEB-92
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-0.5	0-0.5	0-0.5
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals						
Aluminum	200000	7800	na	15200	18600	16400
Arsenic	3.8	0.43	0.026	***3.8***	***7***	***7***
Barium	14000	550	2100	69.9	49.2	67.3
Beryllium	410	16	1200	nd	1.2	nd
Calcium	na	na	na	1100	8040	5570
Chromium	610	23	42	***42.7***	38.1	27.6
Cobalt	4100	160	na	6	20.6	6.2
Copper	8200	310	11000	16.2	15.4	10.9
Iron	120000	4700	na	24900	26900	25300
Lead	750	400	400	nd	nd	16.3
Magnesium	na	na	na	751	10300	3900
Manganese	4100	160	950	465	283	453
Mercury	61	2.3	na	0.1	nd	nd
Nickel	4100	160	na	15.8	26.5	8.9
Potassium	na	na	na	515	2590	1350
Sodium	na	na	na	151	188	171
Thallium	14	0.55	3.6	***11.8***	***11.4***	nd
Vanadium	1400	55	5100	51.5	44.3	53.7
Zinc	61000	2300	14000	32.6	32.9	34.2

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-22
SWMU 58 - RFI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			58SB1A	58SB2A	58SB2B	58SB3A	58SB3B
FIELD ID				58SB1A	58SB2A	58SB2B	58SB3A	58SB3B
SAMPLING DATE				02-APR-98	06-APR-98	07-APR-98	07-APR-98	08-APR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	15-17	46-48	57-58	15-17	38-40
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals								
Aluminum	200000	7800	na	29,300	25,700	17,200	12,600	36,500
Antimony	82	3.1	13	1.3 J	< 0.59	1.6 J	0.87 J	1.5 J
Arsenic	3.8	0.43	0.026	***6.3***	***9.6***	***11.8***	***5***	***12.6***
Barium	14000	550	2100	76.1 J	160 J	80.7 J	62.4 J	144 J
Beryllium	410	16	1200	0.56 B	1.5 J	1.3	0.7 B	2.7 J
Calcium	na	na	na	11,400	1,210	5,690	82,700	5,340
Chromium	610	23	42	30	26.7	32.6	20.6	33.3
Cobalt	4100	160	na	9.6 J	34.9 J	12.6 J	6 J	10 J
Copper	8200	310	11000	22.2 J	11 B	35.7 J	17.9 J	43 J
Iron	120000	4700	na	35900	36300	51000	16300	64200
Lead	750	400	400	27.6	19.4	18.3	28.4	23.5
Magnesium	na	na	na	7,410	2,460	9,450	42,100	5,460
Manganese	4100	160	950	270	181	575	254	***1110*** J
Nickel	4100	160	na	13.6 J	17.8 J	29.9 J	10.8 J	32.4 J
Potassium	na	na	na	1,810 J	1,960 J	3,140 J	2,300 J	2,860 J
Silver	1000	39	31	< 0.24	< 0.24	< 0.26	< 0.23	0.37 J
Sodium	na	na	na	1,770 J	3,690 J	269 J	268 J	215 J
Thallium	14	0.55	3.6	< 0.71	< 0.71	1.2 J	< 0.69	< 0.88
Vanadium	1400	55	5100	66.6 J	50.1 J	52.3 J	33.7 J	101 J
Zinc	61000	2300	14000	59.1 J	36.6 J	134 J	40.3 J	96.2 J

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-23
SWMU 58 - RFI Detected Organic Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			58SB1A	58SB2A	58SB2B	58SB3A
FIELD ID				58SB1A	58SB2A	58SB2B	58SB3A
SAMPLING DATE				02-APR-98	06-APR-98	07-APR-98	07-APR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	15-17	46-48	57-58	15-17
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatiles							
cis-1,2-Dichloroethene	2000	78	0.35	< ***0.76***	< ***0.75***	< ***0.75***	***0.73*** J
Trichloroethene	520	58	0.015	< ***0.76***	< ***0.75***	< ***0.75***	***2.7*** J
xylene (total)	410000	16000	170	< 0.76	0.18 J	< 0.75	< 0.75
Semivolatiles							
Anthracene	61,000	2,300	470	0.4	0.4 UJ	< 0.44	0.4 J
Benz[a]anthracene	7.8	0.87	1.5	0.22	< 0.002	0.0065	0.021
Benzo[a]pyrene	0.78	0.087	0.37	0.24	< 0.002	0.0042	0.038
Benzo[b]fluoranthene	7.8	0.87	4.5	0.23	< 0.0039	0.0057	0.063
Benzo[k]fluoranthene	78	8.7	45	0.11	< 0.002	0.0025	0.053
Chrysene	780	87	150	0.4	0.4 UJ	0.44	0.4
bis(2-Ethylhexyl)phthalate	410	46	2,900	0.18 J	0.4 UJ	< 0.44	0.053 J
Fluoranthene	8,200	310	6,300	0.66	0.4 UJ	0.44	0.4
Fluorene	8,200	310	140	0.4	0.4 UJ	< 0.44	0.4 J
Naphthalene	4,100	160	0.15	***0.4*** J	***0.75*** UJ	< ***0.75***	< ***0.75***
Phenanthrene	na	na	na	0.62	0.4 UJ	0.44	0.4
Pyrene	6,100	230	680	0.65	0.4 UJ	0.44	0.12 J

Bold outline indicates that the value exceeds the residential RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-24
SWMU 59 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria			59SS1	59SS2	59SS2*
FIELD ID				RVFS*110	RVFS*108	RVFS*109*
SAMPLING DATE				05-MAR-92	05-MAR-92	05-MAR-92
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-1	0-1	0-1
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals						
Aluminum	200000	7800	na	11400	6270	8110
Arsenic	3.8	0.43	0.026	***1.85***	***34***	***40***
Barium	14000	550	2100	190	181	174
Beryllium	410	16	1200	1.23	0.736	nd
Calcium	na	na	na	494	785	1390
Chromium	610	23	42	22	14.4	22.2
Cobalt	4100	160	na	10.1	3.03	2.84
Copper	8200	310	11000	7.08	17	11.4
Iron	120000	4700	na	12700	20600	22200
Lead	750	400	400	15.3	30.6	22.7
Magnesium	na	na	na	523	528	464
Manganese	4100	160	950	***2560***	38.9	97
Mercury	61	2.3	na	nd	0.575	0.546
Nickel	4100	160	na	8.59	6.31	6.43
Potassium	na	na	na	377	530	402
Selenium	1000	39	19	nd	0.646	0.752
Silver	1000	39	31	nd	0.701	nd
Sodium	na	na	na	167	231	208
Vanadium	1400	55	5100	29.8	25.3	33.3
Zinc	61000	2300	14000	24.4	41.6	35.7
SVOCs						
Phenanthrene	na	na	na	nd	0.4	0.2

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

* Duplicate sample of 58SS2 (RVFS*108)

Table A-25
Former Lead Furnace Area - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria			17SB1	17SB1	17SB2	17SB2	17SB3	17SB3
FIELD ID				RFIS*75	RFIS*80	RFIS*82	RFIS*83	RFIS*84	RFIS*85
SAMPLING DATE				05-NOV-91	05-NOV-91	05-NOV-91	05-NOV-91	05-NOV-91	05-NOV-91
DEPTH (ft)	Industrial	Residential	SSL Transfers	6.5-8	8-9	2.5-5	7.5-10	2.5-5	5.5-7
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	200000	7800	na	15800	23400	15500	7460	33200	42300
Antimony	82	3.1	13	nd	nd	nd	***249***	nd	nd
Arsenic	3.8	0.43	0.026	***3.46***	***3.06***	***5.6***	***5.77***	***2.65***	***3.84***
Barium	14000	550	2100	93	70.9	27	183	73.6	106
Beryllium	410	16	1200	1.09	1.09	nd	nd	2.45	2.71
Cadmium	100	3.9	27	nd	nd	nd	2.57	nd	nd
Calcium	na	na	na	3910	2000	1150	13900	1860	3890
Chromium	610	23	42	***43.2***	38.7	24.1	36.1	***45.3***	***50.4***
Cobalt	4100	160	na	14.5	21.2	2.97	7.92	15.4	10.3
Copper	8200	310	11000	19.7	16.3	4.95	2260	38.2	23.8
Iron	120000	4700	na	20700	33900	22200	22200	45300	49000
Lead	750	400	400	25.3	19.9	20.9	***100000***	372	nd
Magnesium	na	na	na	12400	13900	846	11100	8880	49100
Manganese	4100	160	950	426	577	130	246	453	575
Mercury	61	2.3	na	nd	nd	0.0615	64	0.104	nd
Nickel	4100	160	na	22.4	25.8	4.13	52	45.3	35.2
Potassium	na	na	na	1450	1980	494	855	2580	8210
Silver	1000	39	31	0.985	0.97	nd	23.9	nd	nd
Sodium	na	na	na	300	171	180	278	172	227
Thallium	14	0.55	3.6	***12.9***	***14.2***	nd	***96.7***	***21.5***	***26.9***
Vanadium	1400	55	5100	56.6	67.2	53.8	26.5	83.3	90.5
Zinc	61000	2300	14000	68.6	60	23.5	801	124	67.6
TCLP Metals	**TCLP Criteria (ug/L)**								
Barium	100000			311	209	222	1240	329	220
Lead	5000			nd	nd	nd	500000	2230	63.3

TCLP results are reported in ug/L.

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC or the TCLP criteria for theTCLP analyses.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-26a
Former Lead Furnace Area - RFI Preliminary Soil Delineation Results - 1998

Sample	Sample Depth (ft)	Lead (mg/kg)
LFSB1A	0-1	128
LFSB1B	10-12	18
LFSB2A	0-2	***580***
LFSB2B	6-7	10.2
LFSB3A	0-2	51.1
LFSB3B	12-14	23.4
LFSB4A	8-10	15
LFSB5A	4-6	***2070***
LFSB5B	8-10	22.4
LFSB6A	2-4	27.5
LFSB6B	10-12	10
LFSB7A	0-2	***943***

Bold outline indicates that the value exceeds the residential RBC (400 mg/kg).
Shading indicates that the value exceeds the industrial RBC (750 mg/kg).
Bold underlined text indicates that the value exceeds the SSL Transfer value (400 mg/kg).

Table A-26b
Former Lead Furnace Area - RFI Soil Confirmation Results - 1998

Sample	Associated Screening Sample	Sample Depth (ft)	Lead (mg/kg)
LFTP1	SS11	5-6	15.3
LFTP2	SS1	4-5	29.2
LFTP3	SS3	6-8	10.8
LFTP4	SS7	5-7	103
LFTP5	SS9/SS10	5-7	12.8
LFTP6	na	8-10	12.5
LFTP7	na	8-10	11
LFTP8	SS5	5-6	***866***

Bold outline indicates that the value exceeds the residential RBC (400 mg/kg).
Shading indicates that the value exceeds the industrial RBC (750 mg/kg).
Bold underlined text indicates that the value exceeds the SSL Transfer value (400 mg/kg).

Table A-26c
Former Lead Furnace Area - RFI Boundary Delineation Soil Boring Results - 1998

Sample	Sample Depth (ft)	Lead (mg/kg)	TCLP Lead (µg/L)
LFSB8A	0.5-1	86.9	507
LFSB9A	0.5-1	189	NA
LFSB10A	0.5-1	279	NA
LFSB10B	2-2.5	326	NA
LFSB11A	0.5-1	179	NA

Table A-27
Building 4343 - TCLP Cadmium Soil Results - 1996

Sample ID	Cadmium TCLP Limits (ug/L)	Cadmium TCLP (ug/L)
4343-01-SVR	1000	14050
4343-02-SVR	1000	2850
4343-03-SVR	1000	590
4343-04-SVR	1000	1340
4343-05-SVR	1000	36800

Shading indicates that the value exceeds the TCLP criteria.

Table A-28
Building 4343 - Detected Metal Results in Surface Soil - 1999

FIELD ID	Comparison Criteria			B43SSB4	B43SSB5	B43SSB6	B43SSB7	B43SSB8	B43SSB9	B43SSB10	B43SSB11	B43SSB12
SAMPLING DATE	Industrial	Residential	SSL Transfers	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals												
Aluminum	200000	7800	na	15700	18100	15800	16900	23900	21400	25100	552	10800
Antimony	82	3.1	13	1.4 B	< 0.62	< 0.65	0.77 B	0.66 B	< 0.62	< 0.63	< 0.51	< 0.59
Arsenic	3.8	0.43	0.026	***5.1*** B	***4.2*** B	***4.3*** B	***1.8*** B	***4.3*** B	***4.1*** B	***5.6*** B	***1.4*** B	***2.9*** B
Barium	14000	550	2100	37	30.5	43.4	36.9	38.7	31.3	46.9	88.7	81
Beryllium	410	16	1200	< 0.13	< 0.12	< 0.13	< 0.13	< 0.13	< 0.12	0.13 B	< 0.1	< 0.12
Cadmium	100	3.9	27	16.2	19.3	9.6	3.1	2.7	1.2	8.4	1.7	< 0.12
Calcium	na	na	na	1800	891	1130	824	664	1630	2420	91000	1220
Chromium	610	23	42	37	27	34.6	20	29.6	38.6	***44.4***	4.2	19.7
Cobalt	4100	160	na	3.8 J	3.9 J	3.9 J	4.2 J	4.7 K	3.4 K	3.8 K	1.1 B	11.3 K
Copper	8200	310	11000	19.7	23.2	14.8	15.6	23.8	24.2	38.6	8.6	12
Iron	120000	4700	na	46400	43200	40400	40100	44900	44000	51400	2340	22400
Lead	750	400	400	14.8	16.6	22.4	15.7	28.4	11.2	16.6	3.1	9.7
Magnesium	na	na	na	559 J	660	547 J	762	588 J	804	1240	8000	1350
Manganese	4100	160	950	152	122	138	136	193	88.2	108	70.5	486
Mercury	61	2.3	na	< 0.13	< 0.13	< 0.13	< 0.13	0.37	0.53	0.21	< 0.1	< 0.12
Nickel	4100	160	na	5.2 J	6.8	5.8	6.8	7.9 K	7.1 K	8 K	< 0.1	7.5 K
Potassium	na	na	na	373 J	725	558 J	686	683	492	669	323 J	790
Selenium	1000	39	19	< 0.53	< 0.5	< 0.52	< 0.52	< 0.52	< 0.5	< 0.5	1.1 K	< 0.47
Silver	1000	39	31	0.46 B	0.42 B	0.38 B	0.27 B	0.48 B	0.36 B	0.53 B	< 0.1	0.15 B
Sodium	na	na	na	138 J	110 J	110 J	124 J	151 B	140 B	164 B	443 B	110 B
Vanadium	1400	55	5100	91.4	92.5	87.1	90.3	96.5	92.8	108	5.7 K	45.2
Zinc	61000	2300	14000	28.4	36.8	34.5	37.9	42.6	32.9	47.8	8.6 B	52.7
Cyanide	4100	160	150	< 0.26	14.8	< 0.26	< 0.26	< 0.26	< 0.25	< 0.26	< 0.2	< 0.24

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-28
Building 4343 - Detected Metal Results in Surface Soil - 1999

FIELD ID	Comparison Criteria			B43SSB13	B43SSB14	B43SSB15	B43SSB16	B43SSB17	B43SSB18	B43SSB28	B43SSD1
SAMPLING DATE	Industrial	Residential	SSL Transfers	5/25/1999	5/25/1999	8/17/1999	8/17/1999	8/17/1999	8/17/1999	10/5/1999	5/25/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals											
Aluminum	200000	7800	na	16900	20300	19700	15100	17100	18300	14600	5850
Antimony	82	3.1	13	< 0.63	< 0.64	1.7 B	1.2 B	1.7 B	3.1 B	< 0.63	***41.2*** J
Arsenic	3.8	0.43	0.026	***4.2*** B	***2.2*** B	***4.8*** B	***3.5*** B	***4.4*** B	***5.1*** B	***4***	***4.9*** B
Barium	14000	550	2100	42.2	35	98.8	74.1	77.8	77.8	33.6	242
Beryllium	410	16	1200	< 0.13	< 0.13	0.69 B	0.28 B	0.81 B	1.1 B	0.38 B	< 0.13
Cadmium	100	3.9	27	6.3	9	2.6	0.5 J	***137*** J	***339*** J	< 0.13	***24300***
Calcium	na	na	na	1480	270 J	1810	601	9730	1990	401 J	16700
Chromium	610	23	42	34.1	22.8	27.6	27.9	***46.2***	***160***	26.7	***1820***
Cobalt	4100	160	na	3.3 K	3.3 K	14.4	5.8	14	19.8	3.1 J	< 0.13
Copper	8200	310	11000	15.2	18	20.5	10.2	30.2	62.6	13.1	677
Iron	120000	4700	na	43300	32100	28200	23400	27900	32400	30000	33000
Lead	750	400	400	11.9	15.6	18.8	15.9	20.2	22.9	14.4	***1410***
Magnesium	na	na	na	818	862	4120	622	8980	6250	403 J	1440
Manganese	4100	160	950	102	101	534	441	550	642	99.3	306
Mercury	61	2.3	na	< 0.13	< 0.13	< 0.11	< 0.11	< 0.11	< 0.11	< 0.13	< 0.12
Nickel	4100	160	na	5.6 K	7.9 K	17	5.2	22.1	26.6	2.9 J	32.6
Potassium	na	na	na	485 J	884	2020 J	516 J	1780 J	2050 J	574 J	363 J
Selenium	1000	39	19	< 0.5	< 0.51	< 0.56	0.6	< 0.55	< 0.55	< 0.63	< 0.51
Silver	1000	39	31	0.34 B	0.32 B	0.11 UL	0.11 UL	0.11 UL	0.11 UL	0.87 J	***36***
Sodium	na	na	na	123 B	129 B	189 B	89.8 B	149 B	125 B	94.1 B	209 B
Vanadium	1400	55	5100	92.4	75.9	47.3	48.7	43.1	41.7	66.1	35.3
Zinc	61000	2300	14000	31.3	32.1	60.6	29.9 K	56.5	69	19.1	1780
Cyanide	4100	160	150	< 0.25	< 0.25	NA	NA	NA	NA	NA	< 0.26

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-28
Building 4343 - Detected Metal Results in Surface Soil - 1999

FIELD ID	Comparison Criteria			B43SSD2	B43SSD3	B43SSD4	B43SSD5	B43SSD6
SAMPLING DATE	Industrial	Residential	SSL Transfers	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	0-1	0-1	0-1	0-1	0-1
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals								
Aluminum	200000	7800	na	9970	7380	6200	9170	6790
Antimony	82	3.1	13	2.2 B	1.4 B	1.5 B	3.2 B	5.3 B
Arsenic	3.8	0.43	0.026	***5.3*** B	***2.9*** B	***3.8*** B	***3.2*** B	***3.6*** B
Barium	14000	550	2100	42.8	58.4	28.9	26.7	31.9
Beryllium	410	16	1200	0.25 K	0.22 K	< 0.12	< 0.12	< 0.12
Cadmium	100	3.9	27	***157***	***124***	***134***	***222***	***1040***
Calcium	na	na	na	473 J	490 J	425 J	578 J	785
Chromium	610	23	42	***192***	***124***	***102***	***301***	***402***
Cobalt	4100	160	na	5.1 K	4.6 K	3.6 K	2.2 K	2.9 K
Copper	8200	310	11000	63.8	60.4	43.5	72.9	127
Iron	120000	4700	na	35300	17800	19100	22800	21900
Lead	750	400	400	36.3	22.4	20.9	21	47
Magnesium	na	na	na	363 J	307 J	222 J	251 J	277 J
Manganese	4100	160	950	348	507	210	96.3	190
Mercury	61	2.3	na	< 0.13	< 0.12	0.2	< 0.12	< 0.12
Nickel	4100	160	na	9.1 K	4.1 K	2.8 K	3.9 K	4.9 K
Potassium	na	na	na	450 J	301 J	272 J	394 J	326 J
Selenium	1000	39	19	< 0.52	< 0.48	< 0.49	< 0.49	< 0.48
Silver	1000	39	31	0.54 B	0.65 B	0.33 B	< 0.12	0.32 B
Sodium	na	na	na	107 B	101 B	90.3 B	93.5 B	97.8 B
Vanadium	1400	55	5100	73.7	40	42.5	51.6	48
Zinc	61000	2300	14000	47.7	27.2	28.9	44.2	118
Cyanide	4100	160	150	14.1	< 0.25	< 0.24	< 0.25	< 0.25

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-29
Building 4343 - Detected Metal Results in Subsurface Soil - 1999

FIELD ID	Comparison Criteria			B43SB4A	B43SB5A	B43SB6A	B43SB7A	B43SB8A	B43SB9A	B43SB10A	B43SB11A
SAMPLING DATE	Industrial	Residential	SSL Transfers	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals											
Aluminum	200000	7800	na	17300	22300	19200	18000	18600	19500	20900	18300
Antimony	82	3.1	13	0.66 B	0.9 B	< 0.63	0.71 B	< 0.68	0.67 B	< 0.65	0.82 B
Arsenic	3.8	0.43	0.026	***2.5*** B	***3.2*** B	***2.4*** B	***3.1*** B	***3.3*** B	***3.2*** B	***3.7*** B	***5*** B
Barium	14000	550	2100	25.5	38.4	37.1	30.3	26.8	25.9	35.1	59.6
Beryllium	410	16	1200	< 0.13	< 0.13	< 0.13	< 0.13	< 0.14	< 0.12	< 0.13	0.15 K
Cadmium	100	3.9	27	2.9	0.76	0.69	0.56 J	0.41 J	< 0.12	< 0.13	0.2 J
Calcium	na	na	na	601 J	255 J	586 J	430 J	949	275 J	1430	5160
Chromium	610	23	42	18.9	22.9	22.1	19	28	24.5	28	39.7
Cobalt	4100	160	na	3.7 J	5 J	5.1 J	4.1 J	4.2 J	3.5 J	3.3 J	4 K
Copper	8200	310	11000	27.6	19	18.2	16.5	17.8	16.5	18.9	16.3
Iron	120000	4700	na	41100	43300	42900	39000	46100	45100	45600	46900
Lead	750	400	400	14.1	15.3	15.9	15.9	88.6	13.6	15.9	15
Magnesium	na	na	na	610 J	776	1160	833	528 J	350 J	622 J	2400
Manganese	4100	160	950	125	182	147	133	133	119	118	183
Mercury	61	2.3	na	0.15	< 0.13	< 0.12	< 0.13	< 0.14	< 0.12	< 0.12	0.21
Nickel	4100	160	na	6.2	8.2	8.7	7.4	6.5	6.2	7.1	5.9 K
Potassium	na	na	na	687	838	1110	832	529 J	488 J	678	482 J
Selenium	1000	39	19	< 0.51	< 0.51	< 0.5	< 0.51	< 0.54	< 0.50	< 0.52	< 0.48
Silver	1000	39	31	0.35 B	0.38 B	0.42 B	0.39 B	0.41 B	0.35 B	0.41 B	0.48 B
Sodium	na	na	na	116 J	133 J	127 J	106 B	131 J	118 J	131 J	131 B
Thallium	14	0.55	3.6	< 0.9	< 0.89	< 0.88	< 0.9	< 0.95	< 0.87	< 0.91	< 0.83
Vanadium	1400	55	5100	89.5	94.1	91.8	85.6	98.2	99.6	98.5	97.4
Zinc	61000	2300	14000	39.2	41.2	46.9	37.7	42.3	32.2	35.4	38.1

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-29
Building 4343 - Detected Metal Results in Subsurface Soil - 1999

FIELD ID	Comparison Criteria			B43SB11B	B43SB12A	B43SB13A	B43SB14A	B43SB15A	B43SB15B	B43SB16A	B43SB17A
SAMPLING DATE	Industrial	Residential	SSL Transfers	5/25/1999	5/25/1999	5/25/1999	5/25/1999	8/17/1999	8/17/1999	8/17/1999	8/17/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	54.5-55	2-4	2-4	2-4	2-4	16-18	2-4	2-4
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals											
Aluminum	200000	7800	na	12700	15500	20300	17600	11200	25100	32300	10800
Antimony	82	3.1	13	< 0.63	< 0.65	0.78 B	1.8 B	0.6 B	0.9 B	2.2	< 0.57
Arsenic	3.8	0.43	0.026	***3.2*** B	***1.8*** B	***2.8*** B	***5.2*** B	***2.7*** B	***4.1*** B	***5.6*** B	***2*** B
Barium	14000	550	2100	38.8	25.4 J	32.8	58.9	143	32.8	49.3	146
Beryllium	410	16	1200	0.53 B	< 0.13	< 0.12	< 0.13	0.67 B	1.6	0.28 B	0.48 B
Cadmium	100	3.9	27	0.25 J	< 0.13	< 0.12	***191***	0.29 J	0.52 J	1.8	15.9 J
Calcium	na	na	na	467 J	1200	267 J	1530	1070	295 J	444 J	928
Chromium	610	23	42	37.9	23.2	28.1	***196***	24.6	21.1	***54.6***	27.7
Cobalt	4100	160	na	6.8 K	3.1 K	4.4 K	3 J	4.1 J	14.8	4 J	3.9 J
Copper	8200	310	11000	29.1	14.3	17.8	32	7.3	10.7	20.9	17.8
Iron	120000	4700	na	29300	42300	43200	43400	10700	29100	46700	8160
Lead	750	400	400	0.82 B	10	15.2	10.7	13.1	8	18.4	11.7
Magnesium	na	na	na	6150	487 J	683	515 J	672	1710	1050	636
Manganese	4100	160	950	345	111	147	95.1	657	261	99.4	540
Mercury	61	2.3	na	< 0.13	< 0.13	< 0.13	0.15	< 0.11	< 0.12	0.26	< 0.11
Nickel	4100	160	na	20.3	5 K	8.4 K	6.5	6.3	12.2	7.3	5.8
Potassium	na	na	na	746	487 J	773	537 J	394 J	2960 J	1090 J	398 J
Selenium	1000	39	19	< 0.51	< 0.52	< 0.50	< 0.51	< 0.56	< 0.60	< 0.62	< 0.57
Silver	1000	39	31	0.17 B	0.28 B	0.25 B	1.6 K	0.11 UL	0.12 UL	0.12 UL	0.11 UL
Sodium	na	na	na	167 B	116 B	116 B	139 J	97.1 B	125 B	115 B	84.4 B
Thallium	14	0.55	3.6	< 0.89	1.2 J	< 0.87	< 0.89	< 0.79	< 0.84	< 0.87	< 0.8
Vanadium	1400	55	5100	29.4	94.6	96.2	94.1	27.7	25.4	96	24.7
Zinc	61000	2300	14000	18.6	28.7	36.7	29.8	26 K	42.4	49.8	25.4 K

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-29
Building 4343 - Detected Metal Results in Subsurface Soil - 1999

FIELD ID	Comparison Criteria			B43SB17B		B43SB18A		B43SB19A		B43SB20A		B43SB21A		B43SB22A		B43SB23A	
SAMPLING DATE	Industrial	Residential	SSL Transfers	8/17/1999		8/17/1999		10/5/1999		10/5/1999		10/5/1999		10/5/1999		10/5/1999	
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	58-60		2-4		2-4		2-4		2-4		2-4		2-4	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																	
Aluminum	200000	7800	na	28800		16200		43000		55300		48200		44100		28900	
Antimony	82	3.1	13	1.6	B	0.64	B	< 1.4		< 1.3		< 1.3		< 1.3		< 1.2	
Arsenic	3.8	0.43	0.026	***9.4***	K	***2.7***	B	***3.9***	B	***6***	B	***8.2***		***5.9***	B	***6.8***	B
Barium	14000	550	2100	87.9		194		53.7	J	54.6		75.5		58		101	
Beryllium	410	16	1200	1.2	B	0.83	B	0.7	B	0.92	B	0.98	B	0.93	B	0.96	B
Cadmium	100	3.9	27	< 0.13		3.2	J	< 0.28		< 0.26		4.7		***57.1***		< 0.23	
Calcium	na	na	na	719		1150		1450		1410		6420		2850		26300	
Chromium	610	23	42	36.1		30		***81.5***		***55.6***		***72.5***		***206***		***59.9***	
Cobalt	4100	160	na	17.8		4.7	J	6.6	J	7.5	J	7.4	J	7.4	J	7.4	J
Copper	8200	310	11000	27.5		10.6		37.6		41.5		44.7		35.4		36.1	
Iron	120000	4700	na	44500		7730		96600		96500		7000		99100		61000	
Lead	750	400	400	18.6		14.5		39		40.1		42		36		31	
Magnesium	na	na	na	6130		899		645	J	1140	J	3140		1340		7500	
Manganese	4100	160	950	212		839		213		256		251		239		415	
Mercury	61	2.3	na	< 0.13		< 0.12		< 0.13		< 0.13		0.2		< 0.13		< 0.11	
Nickel	4100	160	na	32.7		9.2		4.3	J	10.8		7.7	J	12.4		6.9	J
Potassium	na	na	na	2990	J	616	J	1030	J	1400	J	1240	J	1200	J	1390	J
Selenium	1000	39	19	< 0.65		0.63		< 1.4		< 1.3		< 1.3		< 1.3		< 1.2	
Silver	1000	39	31	0.13	UL	0.12	UL	1.4	J	2	J	2.3	J	1.5	J	1.2	J
Sodium	na	na	na	139	B	110	B	176	B	213	B	227	B	190	B	194	B
Thallium	14	0.55	3.6	< 0.91		< 0.81		2	UL	1.8	UL	1.8	UL	1.9	UL	1.6	UL
Vanadium	1400	55	5100	59		23.4		203		194		205		196		124	
Zinc	61000	2300	14000	62.2		39.6	K	48.2		68.8	K	79.6	K	62.5	K	55.4	

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-29
Building 4343 - Detected Metal Results in Subsurface Soil - 1999

FIELD ID	Comparison Criteria			B43SB24A		B43SB25A		B43SB26A		B43SB27A		B43SB28A		B43SB29A		B43SB30A	
SAMPLING DATE	Industrial	Residential	SSL Transfers	10/5/1999		10/5/1999		10/5/1999		10/5/1999		10/5/1999		10/5/1999		10/5/1999	
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	2-4		2-4		2-4		2-4		2-4		2-4		2-4	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																	
Aluminum	200000	7800	na	47900		36400		23300		11600		18100		6860		8650	
Antimony	82	3.1	13	< 1.4		1.5	B	< 0.64		< 1.1		< 0.61		< 0.56		< 0.55	
Arsenic	3.8	0.43	0.026	***7.5***	B	***8.2***		***3.9***		***5***	B	***4.1***		***2.2***		***3.5***	
Barium	14000	550	2100	70.8		91.3		62.9		72.5		32.2		91.6		113	
Beryllium	410	16	1200	1.3	B	1.1	B	0.9	B	0.66	B	0.39	B	0.62	B	0.84	B
Cadmium	100	3.9	27	2.9		< 0.25		9.9		< 0.22		< 0.12		< 0.11		< 0.11	
Calcium	na	na	na	1190	J	708	J	329	J	551	J	260	J	501	J	1020	
Chromium	610	23	42	***69.8***		***82.2***		***43.9***		35.1		27.7		18.7		35.6	
Cobalt	4100	160	na	6.7	J	5.7	J	4.9	J	5.9	J	3.1	J	3.5	J	4.5	J
Copper	8200	310	11000	45.8		33.5		34.7		10.6		12.4		6.9		8	
Iron	120000	4700	na	1000		88300		53500		21000		32900		12400		17600	
Lead	750	400	400	39.3		34.3		18.5		18.3		14.6		10.6		14.1	
Magnesium	na	na	na	1350	J	1280		1060		485	J	478	J	323	J	482	J
Manganese	4100	160	950	244		196		96.5		367		126		513		484	
Mercury	61	2.3	na	0.14		0.19		0.21		< 0.11		< 0.12		< 0.11		< 0.11	
Nickel	4100	160	na	10.3	J	5.6	J	8.8	J	3.5	J	3.7	J	2.5	J	3.1	J
Potassium	na	na	na	1370	J	1490	J	1260		478	J	678		236	J	317	J
Selenium	1000	39	19	< 1.4		< 1.3		< 0.64		< 1.1		< 0.61		< 0.56		< 0.55	
Silver	1000	39	31	2	J	1	J	1.7		0.55	J	0.73	J	0.23	J	0.47	J
Sodium	na	na	na	233	B	188	B	114	B	126	B	92.9	B	70.2	B	102	B
Thallium	14	0.55	3.6	1.9	UL	1.8	UL	0.9	UL	1.5	UL	0.85	UL	0.78	UL	0.77	UL
Vanadium	1400	55	5100	202		156		97.7		44.1		67.4		29.2		40.1	
Zinc	61000	2300	14000	57.5	K	46.6		41.6		23	K	23.9		15.2		16.7	

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-29
Building 4343 - Detected Metal Results in Subsurface Soil - 1999

FIELD ID	Comparison Criteria			B43SB31A		B43SB32A		B43SB33A	
SAMPLING DATE	Industrial	Residential	SSL Transfers	10/5/1999		10/5/1999		10/5/1999	
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	2-4		2-4		2-4	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg	
Metals									
Aluminum	200000	7800	na	7920		9550		5740	
Antimony	82	3.1	13	< 0.58		< 0.61		< 0.58	
Arsenic	3.8	0.43	0.026	***2.1***		***2.1***		***2.5***	
Barium	14000	550	2100	104		194		65.1	
Beryllium	410	16	1200	0.81	B	0.85	B	0.53	B
Cadmium	100	3.9	27	< 0.12		< 0.12		10.5	
Calcium	na	na	na	923		1040		727	
Chromium	610	23	42	12.5		9.8		***61.8***	
Cobalt	4100	160	na	7.3		3.7	J	3.2	J
Copper	8200	310	11000	12.9		8.3		7.3	
Iron	120000	4700	na	13600		6010		10800	
Lead	750	400	400	10		11.6		11.5	
Magnesium	na	na	na	1460		564	J	266	
Manganese	4100	160	950	703		***1220***		200	J
Mercury	61	2.3	na	< 0.11		< 0.13		< 0.12	
Nickel	4100	160	na	14.5	J	4.8	J	2.3	J
Potassium	na	na	na	368	J	320	J	166	J
Selenium	1000	39	19	< 0.58		< 0.61		0.70	
Silver	1000	39	31	0.24	J	0.28	J	0.16	J
Sodium	na	na	na	86.2	B	128	B	105	B
Thallium	14	0.55	3.6	0.81	UL	0.85	UL	0.81	UL
Vanadium	1400	55	5100	19.2		16.5		24.3	
Zinc	61000	2300	14000	19.5		24.4		13	

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-30
Building 4343 - TCLP Metal Results in Surface Soil - 1999

FIELD ID	TCLP	B43SSB1	B43SSB2	B43SSB3	B43SSB13	B43SSB14	B43SSB15	B43SSB17	B43SSB18	B43SSB19
SAMPLING DATE	REGULATORY	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	8/17/1999	8/17/1999	8/17/1999	10/5/1999
DEPTH (ft)	LEVELS	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals										
Arsenic	5000	6.1	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Barium	100000	36.2	91.3	43.7	47.5	49.2	299	510	382	78
Cadmium	1000	15.5	3890	150	48.4	186	1.7	1040	6750	2.8
Chromium	5000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	19.5	< 1
Lead	5000	< 2	776	10	< 2	< 2	18.9	77.5	6.3	< 2
Mercury	200	< 0.2	< 0.2	< 0.2	< 0.2	0.43	< 0.2	< 0.2	< 0.2	< 0.2
Silver	5000	1.4	1.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Shading indicates that the value exceeds the TCLP criteria

Table A-30
Building 4343 - TCLP Metal Results in Surface Soil - 1999

FIELD ID	TCLP	B43SSB20	B43SSB21	B43SSB22	B43SSB23	B43SSB24	B43SSB25	B43SSB26	B43SSB27	B43SSB28
SAMPLING DATE	REGULATORY	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999
DEPTH (ft)	LEVELS	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals										
Arsenic	5000	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Barium	100000	107	170	211	231	198	186	168 J	201	139 J
Cadmium	1000	109	16.5	21.6	4.2	2.1	4.6	2.4 J	3.8	1.8 J
Chromium	5000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	5000	< 2	< 2	< 2	< 2	< 2	< 2	2.9 B	< 2	
Mercury	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Silver	5000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Shading indicates that the value exceeds the TCLP criteria

Table A-30
Building 4343 - TCLP Metal Results in Surface Soil - 1999

FIELD ID	TCLP	B43SSB29	B43SSB30	B43SSB31	B43SSB32	B43SSB33	B43SSD1	B43SSD3	B43SSD5
SAMPLING DATE	REGULATORY	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	5/25/1999	5/25/1999	5/25/1999
DEPTH (ft)	LEVELS	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals									
Arsenic	5000	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Barium	100000	281	349	426	257	304	672	76.4	51.4
Cadmium	1000	< 1	< 1	4.2 J	37.9	2140	26800	1520	2540
Chromium	5000	< 1	< 1	< 1	< 1	7.5 J	15.8	12.1	53.2
Lead	5000	< 2	3.2 B	< 2	< 2	< 2	12.1	< 2	< 2
Mercury	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Silver	5000	< 1	< 1	< 1	< 1	< 1	1.5	< 1	< 1

Shading indicates that the value exceeds the TCLP criteria

Table A-31
Building 4343 - TCLP Metal Results in Subsurface Soil - 1999

FIELD ID	TCLP	B43SB1A	B43SB2A	B43SB3A	B43SB13A	B43SB14A	B43SB15A	B43SB15B	B43SB16A	B43SB17B
SAMPLING DATE	REGULATORY	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	8/17/1999	8/17/1999	8/17/1999	8/17/1999
DEPTH (ft)	LEVELS	2-4	2-4	2-4	2-4	2-4	2-4	16-18	2-4	58-60
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals										
Arsenic	5000	< 6	< 6	7.2	< 6	< 6	< 6	9.1	6	< 6
Barium	100000	38.3	49.5	38	44.7	85.2	513	287	154	484
Cadmium	1000	6.8	336	6.4	44.2	1350	< 1	51.7	44.6	1
Chromium	5000	< 1	8.1	< 1	< 1	2.1	< 1	5.3	1	< 1
Lead	5000	< 2	3.5	< 2	< 2	< 2	< 3	78.2	46.8	3.4
Mercury	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.2	< 0.2
Selenium	1000	< 4	< 4	< 4	< 4	< 4	< 5	< 5	5	< 5
Silver	5000	1.1	< 1	1	< 1	1.3	< 1	< 1	1	< 1

Shading indicates that the value exceeds the TCLP criteria

Table A-31
Building 4343 - TCLP Metal Results in Subsurface Soil - 1999

FIELD ID	TCLP	B43SB19A	B43SB20A	B43SB21A	B43SB22A	B43SB23A	B43SB24A	B43SB25A	B43SB26A	B43SB27A
SAMPLING DATE	REGULATORY	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999
DEPTH (ft)	LEVELS	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals										
Arsenic	5000	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Barium	100000	78.5	87	115	78.8	231	76	111	179 J	180
Cadmium	1000	< 1	15.6	10	50.1	< 1	41.9	< 1	350	< 1
Chromium	5000	< 1	< 1	< 1	159	< 1	< 1	< 1	< 1	< 1
Lead	5000	2.6	2.8	< 2	< 2	< 2	2.4	10.4	3.1 B	5.9
Mercury	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Selenium	1000	5.1	5.9	< 5	< 5	< 5	6.9	< 5	< 5	< 5
Silver	5000	< 1	< 1	< 1	1	< 1	< 1	< 1	< 1	< 1

Shading indicates that the value exceeds the TCLP criteria

Table A-31
Building 4343 - TCLP Metal Results in Subsurface Soil - 1999

FIELD ID	TCLP	B43SB28A	B43SB29A	B43SB30A	B43SB31A	B43SB32A	B43SB33A
SAMPLING DATE	REGULATORY	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999
DEPTH (ft)	LEVELS	2-4	2-4	2-4	2-4	2-4	2-4
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals							
Arsenic	5000	< 6	< 6	< 6	< 6	< 6	< 6
Barium	100000	129 J	388	203	368	376	304
Cadmium	1000	10.7	< 1	< 1	< 1	< 1	19.2
Chromium	5000	< 1	< 1	< 1	< 1	< 1	< 1
Lead	5000	3.1 B	3.5 B	< 2	< 2	< 2	< 2
Mercury	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Selenium	1000	< 5	< 5	< 5	< 5	< 5	< 5
Silver	5000	< 1	< 1	< 1	< 1	< 1	< 1

Shading indicates that the value exceeds the TCLP criteria

Table A-32
Building 4343 - Detected TAL Metal Results in Sumps - 1999

FIELD ID	Comparison Criteria			B43SL1		B43SL2	
SAMPLING DATE	Industrial	Residential	SSL Transfers	5/25/1999		5/25/1999	
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	0-0.5		0-0.5	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	
Metals							
Aluminum	200000	7800	na	2560		4390	
Antimony	82	3.1	13	***181***	J	***20.2***	K
Arsenic	3.8	0.43	0.026	***31.5***		***8.4***	
Barium	14000	550	2100	1770		82.8	
Beryllium	410	16	1200	0.18	K	0.18	K
Cadmium	100	3.9	27	***8890***		***2540***	
Calcium	na	na	na	18100		34800	
Chromium	610	23	42	***8430***		***2130***	
Cobalt	4100	160	na	9.8	K	5	K
Copper	8200	310	11000	2390		365	
Iron	120000	4700	na	30000		91500	
Lead	750	400	400	***3320***		242	
Magnesium	na	na	na	4550		17100	
Manganese	4100	160	950	583		584	
Mercury	61	2.3	na	0.28		< 0.12	
Nickel	4100	160	na	84.2		21.4	
Potassium	na	na	na	554	J	532	J
Selenium	1000	39	19	13.2		< 0.48	
Silver	1000	39	31	5.9		11.8	
Sodium	na	na	na	229	B	213	B
Vanadium	1400	55	5100	59.6		25.9	
Zinc	61000	2300	14000	3390		892	
Cyanide	4100	160	150	136		25.2	

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-33
Building 4343 - Wipe Sample Results - 1999

FIELD ID	B43W1	B43W2	B43W3	B43W4	B43W5	B43W6
SAMPLING DATE	5/25/1999	5/25/1999	5/25/1999	8/18/1999	8/18/1999	8/18/1999
DEPTH (ft)	na	na	na	na	na	na
UNITS	mg/100 cm^2	mg/100 cm^2	mg/100 cm^2	mg/100 cm^2	mg/100 cm^2	mg/100 cm^2
Metals						
Aluminum	1410	672	606	194	NA	NA
Antimony	38.4 J	12.6 K	11.4 K	4.8 B	NA	NA
Arsenic	5.6 B	1.9 B	3.3 B	12.5 B	NA	NA
Barium	246	69.4	93.4	26.1	NA	NA
Beryllium	0.15 K	< 0.1	< 0.1	< 0.1	NA	NA
Cadmium	5740	876	1080	153 J	NA	NA
Calcium	13200	5510	6610	3470	NA	NA
Chromium	2510	222	273	67.2	NA	NA
Cobalt	2.9 K	2.3 K	1.4 B	0.67 J	NA	NA
Copper	353	101	115	40.9	NA	NA
Iron	19500	14500	6100	1300	NA	NA
Lead	511	157	206	50.4	NA	NA
Magnesium	1860	762	1150	927	NA	NA
Manganese	145	92	60.4	15.2	NA	NA
Mercury	nt	nt	nt	< 0.1	< 0.1	< 0.1
Nickel	14.8 K	5.2 K	7.2 K	1.6 J	NA	NA
Potassium	1500	1220	1460	245 J	NA	NA
Selenium	8.5	8.4	7.3	2	NA	NA
Silver	3 K	1.6 K	1.6 K	0.58 L	NA	NA
Sodium	2230	1510	1510	839 J	NA	NA
Thallium	< 0.7	< 0.7	< 0.7	2.2 B	NA	NA
Vanadium	8.4 K	3.5 K	2.7 K	1.1 J	NA	NA
Zinc	1260	503	555	118	NA	NA

No criteria are available for wipe samples.

Table A-34
BDDT - Preliminary Sampling Detected Soil Results - 1997

FIELD ID	Comparison Criteria			SOIL/CREOSOTE
	Industrial	Residential	SSL Transfers	SAMPLE
SAMPLING DATE	RBC*	RBC*	Soil to Groundwater	10/17/97
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs				
Anthracene	61000	2300	470	200
Benz[a]anthracene	7.8	0.87	1.5	***491***
Benzo[b]fluoranthene	7.8	0.87	4.5	***330***
Benzo[g,h,i]perylene	na	na	na	168
Benzo[k]fluoranthene	78	8.7	45	***96***
Chrysene	780	87	150	***314***
Dibenz[a,h]anthracene	0.78	0.087	1.4	***76.7***
Fluoranthene	8200	310	6300	1302
Fluorene	8200	310	140	***183***
Indeno[1,2,3-cd]pyrene	7.8	0.87	13	***160***
Naphthalene	4100	160	0.15	***57.2***
Phenanthrene	na	na	na	***1336***
Pyrene	6100	230	680	***930***

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-35
BDDT - Independent Sampling Detected Surface Water Results - 1998

SITE ID	Comparison Criteria		SW-07
SAMPLING DATE		Tap	31-MAR-98
DEPTH (ft)	AWQC	Water	na
MATRIX	(Chronic)	RBC	CSW
UNITS	ug/L	ug/L	ug/L
Metals			
Calcium	na	na	60,300
Iron	1000	2200	165
Magnesium	na	na	14,800
Potassium	na	na	2,800
Sodium	na	na	32,400

Table A-36
BDDT - Independent Sampling Detected Sediment Results - 1998

SITE ID	Comparison Criteria			SD-06	SD-07	SD-08
SAMPLING DATE				31-MAR-98	31-MAR-98	31-MAR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	na	na	na
MATRIX	RBC*	RBC*	Soil to Groundwater	CSE	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals						
Aluminum	200000	7800	na	21800	19000	13100
Arsenic	3.8	0.43	0.026	***4.6***	***5***	***2.9***
Barium	14000	550	2100	113	112	55.7
Beryllium	410	16	1200	1.2	1.2	0.9
Calcium	na	na	na	26800	95300	1220
Chromium	610	23	42	39.2	***49.3***	27.2
Cobalt	4100	160	na	19.1	15.8	16.1
Copper	8200	310	11000	16.6	32.1	45.5
Iron	120000	4700	na	31700	31200	22400
Lead	750	400	400	16.5	33	58.7
Magnesium	na	na	na	10400	7540	4400
Manganese	4100	160	950	***1250***	***960***	815
Nickel	4100	160	na	20.4	16.7	16.6
Potassium	na	na	na	2870	2280	1360
Sodium	na	na	na	nd	120	nd
Vanadium	1400	55	5100	60.5	56.6	42.4
Zinc	61000	2300	14000	43.4	47.3	74.6
SVOCs						
Anthracene	61000	2300	470	nd	nd	0.40 J
Benz[a]anthracene	7.8	0.87	1.5	nd	nd	1.02
Benzo[a]pyrene	0.78	0.087	0.37	nd	nd	***0.98***
Benzo[b]fluoranthene	7.8	0.87	4.5	nd	nd	1.36
Benzo[k]fluoranthene	78	8.7	45	nd	nd	0.95
Bis(2-Ethylhexyl)phthalate	410	46	2900	nd	0.07 J	nd
Chrysene	780	87	150	nd	nd	1.32
Fluoranthene	8200	310	6300	nd	nd	3.49
Indeno[1,2,3-cd]pyrene	7.8	0.87	13	nd	nd	0.42
Phenanthrene	na	na	na	nd	nd	2.68
Pyrene	6100	230	680	nd	nd	2.23

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-37
BDDT (Unnamed Creek) - RI Detected Surface Water Results - 1998

SITE ID	Comparison Criteria		DTSW1		DTSW1-2		DTSW2		DTSW2-2		DTSW3		DTSW3-2		DTSW4	
FIELD ID			DTSW1		DTSW1-2		DTSW2		DTSW2-2		DTSW3		DTSW3-2		DTSW4	
SAMPLING DATE		Tap	17-JUL-98		17-AUG-98		17-JUL-98		17-AUG-98		17-JUL-98		17-AUG-98		17-AUG-98	
DEPTH (ft)	AWQC	Water	na		na		na		na		na		na		na	
MATRIX	(Chronic)	RBC	CSW		CSW		CSW		CSW		CSW		CSW		CSW	
UNITS	ug/L	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Metals																
Aluminum	87	3700	68.5	B	82.3	J	67.9	B	78.5	J	76.7	B	49.8	J	67.4	J
Barium	na	260	60.6	B	64.5	J	60.1	B	66.5	J	66.2	B	60	J	61	J
Calcium	na	na	50600	B	63100	J	50100	B	65000	J	55100	B	56000		59900	J
Copper	9	150	18.1	B	34.8	J	19.8	B	27.4	J	30.7	B	12	J	16.7	J
Iron	1000	2200	114	B	105		127	B	106		115	B	76.3	J	87.6	J
Lead	2.5	na	2		4.6	J	2		2.3	J	2		2		2	
Magnesium	na	na	13700	B	14100		13600	B	14600		15000	B	12700		13200	
Manganese	na	73	5.6	B	3.4	J	5.3	B	3.6	J	5.4	B	4	J	3.4	J
Nickel	52	73	2.8	J	5.5	J	2.8	J	5	J	2.7	J	3.4	J	3.2	J
Potassium	na	na	1930	B	2490	J	1980	B	2510	J	2110	B	2340	J	2260	J
Silver	3.4*	18	2.1	B	2		2	UJ	2		2	UJ	2	UJ	2	
Sodium	na	na	26900		26500	J	26900		25300	J	29300		22400	J	25600	J
Thallium	na	0.26	2	UJ	2	UJ	5.7	B	6.1	J	2.3	B	2	UJ	7.2	J
Zinc	120	1100	20.2	B	46.2	J	21.9	B	34.2	J	20.4	B	38.7	J	21.6	J
VOCs																
Bromodichloromethane	na	0.17	< 0.6		< 0.6		< 0.6		< 0.6		< 0.6		23		< 0.6	
Chloroform	na	0.15	< 0.8		< 0.8		< 0.8		< 0.8		< 0.8		4		< 0.8	
SVOCs																
Di-n-butylphthalate	na	370	2	B	< 10		3	B	< 10		< 10		< 10		< 10	

Shading indicates that the value exceeds the Tap Water RBC at HI = 0.1

Bold outline indicates that the value exceeds the AWQC

* Acute AWQC value; Chronic AWQC value not available

Table A-38
BDDT (Unnamed Creek) - RI Detected Metal Results in Sediment - 1998

SITE ID	Comparison Criteria			DTSD1		DTSD1-2		DTSD2		DTSD2-2		DTSD3		DTSD3-2		DTSD4	
FIELD ID				DTSD1		DTSD1-2		DTSD2		DTSD2-2		DTSD3		DTSD3-2		DTSD4	
SAMPLING DATE				17-JUL-98		17-AUG-98		17-JUL-98		17-AUG-98		17-JUL-98		17-AUG-98		17-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0 - 0.5		0 - 0.5		0 - 0.5		0 - 0.5		0 - 0.5		0 - 0.5		0 - 0.5	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSE		CSE		CSE		CSE		CSE		CSE		CSE	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																	
Aluminum	200000	7800	na	17,200		8,690		15,200		8,980		10,800		9,250		8,970	
Arsenic	3.8	0.43	0.026	***6.5***		***5***	J	***8***		***11.6***	J	***4.2***		***13.2***		***5.4***	J
Barium	14000	550	2100	93.5	J	75	J	92	J	104	J	72.5	J	358	J	80.7	J
Beryllium	410	16	1200	0.96	B	0.75	J	1.2	B	1.1		0.7	B	1.3	B	0.74	J
Calcium	na	na	na	59,900		60,400	J	50,800		88,100	J	64,100		62,600		98,600	J
Chromium	610	23	42	***43.8***		22.3		***52.5***		***56.2***		24.9		***73***		33.6	
Cobalt	4100	160	na	15.4	J	8.8	J	15	J	27.6	J	8.8	J	26.2	J	10.9	J
Copper	8200	310	11000	15	B	10.1	B	14.8	B	4.4	B	11.7	B	13.3	B	10.3	B
Iron	120000	4700	na	29,900		20,400		32,300		44,900		17,300		56,200		20,200	
Lead	750	400	400	18.1		17.8		21.2		23.5		14.2		28.6		15.3	
Magnesium	na	na	na	6,620		3,070	B	6,790		7,720		3,750		4,560		6,130	
Manganese	4100	160	950	468		904	J	614		***1,640***	J	387		***3,340***		539	J
Nickel	4100	160	na	16.3	J	7.9	J	16.4	J	8	J	10.6	J	20.8	J	8.7	J
Potassium	na	na	na	2,140	J	776	J	1,930	J	1,760	J	1,180	J	1,250	J	1,670	J
Silver	1000	39	31	0.86	B	< 0.35		< 0.35		< 0.28		< 0.35		0.28	UJ	< 0.31	
Sodium	na	na	na	510	B	225	B	275	B	187	B	344	B	260	B	257	B
Thallium	14	0.55	3.6	0.3	UJ	1.1	B	0.38	B	0.28	UJ	0.35	UJ	0.76	B	0.31	UJ
Vanadium	1400	55	5100	56	J	33.5	J	55.5	J	69.5	J	31.6	J	75.7	J	34.7	J
Zinc	61000	2300	14000	46.9	B	41.7	B	51.9	B	32.6	B	44.3	B	46.8	B	35.7	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-39
BDDT (Unnamed Creek) - RI Detected Organic Results in Sediment - 1998

SITE ID	Comparison Criteria			DTSD1	DTSD1-2	DTSD2	DTSD3	DTSD3-2	DTSD4
FIELD ID				DTSD1	DTSD1-2	DTSD2	DTSD3	DTSD3-2	DTSD4
SAMPLING DATE				17-JUL-98	17-AUG-98	17-JUL-98	17-JUL-98	17-AUG-98	17-AUG-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
MATRIX	RBC*	RBC*	Groundwater	CSE	CSE	CSE	CSE	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PAHs									
Anthracene	61000	2300	470	< 0.003	< 0.06	< 0.003	< 0.003	0.047 UJ	0.033 J
Benz[a]anthracene	7.8	0.87	1.5	< 0.003	0.013 J	< 0.003	< 0.003	0.047 UJ	0.037 J
Benzo[a]pyrene	0.78	0.087	0.37	< 0.003	0.035 J	< 0.003	< 0.003	0.047 UJ	0.022 J
Benzo[g,h,i]perylene	na	na	na	< 0.006	< 0.12	< 0.0052	< 0.006	0.094 UJ	0.042 J
Benzo[k]fluoranthene	78	8.7	45	< 0.003	< 0.06	< 0.003	< 0.003	0.047 UJ	0.018 J
Chrysene	780	87	150	< 0.003	0.028 J	< 0.004	< 0.003	0.047 UJ	0.096
Fluoranthene	8200	310	6300	0.013	0.034 J	0.012	0.012	0.013 J	0.2
Indeno[1,2,3-cd]pyrene	7.8	0.87	13	< 0.003	< 0.06	< 0.003	< 0.003	0.047 UJ	0.044 J
Phenanthrene	na	na	na	0.0049	0.043 J	0.0042	0.0048	0.02 J	0.21
Pyrene	6100	230	680	0.011	0.029 J	0.011	0.012	0.047 UJ	0.1
SVOCs									
Di-n-butylphthalate	20000	780	5000	< 0.5	0.081 B	< 0.58	< 0.59	< 0.47	0.092 B
VOCs									
4-Isopropyltoluene	na	na	na	< 0.001	0.004 J	< 0.002	< 0.002	< 0.001	< 0.001
Methylene chloride	760	85	0.019	< 0.002	< 0.002	< 0.002	< 0.002	0.005	< 0.002

Table A-40
BDDT - RI Detected Metal Results in Surface Soil - 1998

SITE ID	Comparison Criteria			DTSS1		DTSS2		DTSS3	
FIELD ID				DTSS1		DTSS2		DTSS3	
SAMPLING DATE				11-AUG-98		11-AUG-98		11-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0 - 0.5		0 - 0.5		0 - 0.5	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg	
Metals									
Aluminum	200000	7800	na	15,000		15,800		20,100	
Arsenic	3.8	0.43	0.026	***4.3***		***7.9***		***11.6***	
Barium	14000	550	2100	72	J	63	J	73.5	J
Beryllium	410	16	1200	1.1		0.76		1.5	
Calcium	na	na	na	1,440	B	1,890	B	2,560	B
Chromium	610	23	42	37		33.4		***60.8***	
Cobalt	4100	160	na	29.8		446		40.8	J
Copper	8200	310	11000	33.9	J	138	J	40.8	
Iron	120000	4700	na	37,200		32,700		58,100	
Lead	750	400	400	157		336		82.5	
Magnesium	na	na	na	12,800		6,700		13,500	
Manganese	4100	160	950	***1,580***		***3,430***		***2,030***	
Nickel	4100	160	na	19.4	J	41.3	J	20.1	J
Potassium	na	na	na	2,280	J	1,670	J	3,980	J
Sodium	na	na	na	126	B	119	B	119	B
Vanadium	1400	55	5100	60.9	J	64.1	J	108	J
Zinc	61000	2300	14000	178		137	B	109	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-41
BDDT - RI Detected Organic Results in Surface Soil - 1998

SITE ID	Comparison Criteria			DTSS1		DTSS2		DTSS3	
FIELD ID				DTSS1		DTSS2		DTSS3	
SAMPLING DATE				11-AUG-98		11-AUG-98		11-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0 - 0.5		0 - 0.5		0 - 0.5	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg	
SVOCs									
Acenaphthene	12000	470	100	0.56		0.61		0.066	
Anthracene	61000	2300	470	0.61		0.86		0.14	J
Benz[a]anthracene	7.8	0.87	1.5	***2.9***		***1.8***		0.27	J
Benzo[a]pyrene	0.78	0.087	0.37	***2.1***		***2***		0.31	J
Benzo[b]fluoranthene	7.8	0.87	4.5	***6.2***	J	3	J	0.51	J
Benzo[g,h,i]perylene	na	na	na	0.84	J	0.75	J	0.14	J
Benzo[k]fluoranthene	78	8.7	45	2.7		1.2		0.39	J
Carbazole	290	32	0.47	***1.9***	J	***1.4***	J	0.17	J
Chrysene	780	87	150	3.5	J	2.1		0.43	
Dibenz[a,h]anthracene	0.78	0.087	1.4	0.4	J	0.38	J	0.048	J
Dibenzofuran	820	31	8	0.28	J	0.29	J	< 0.4	
Fluoranthene	8200	310	6300	6.8		4.8		0.87	
Fluorene	8200	310	140	0.54		0.56		0.056	J
Indeno[1,2,3-cd]pyrene	7.8	0.87	13	0.82	J	0.77	J	0.14	J
Naphthalene	4100	160	0.15	0.12	J	0.12	J	< 0.4	
Phenanthrene	na	na	na	6.3		4.7		0.68	
Pyrene	6100	230	680	5.8		4.7		0.63	
VOCs									
1,2,4-Trimethylbenzene	10000	390	na	0.004		< 0.002		0.003	J
xylene (total)	410000	16000	170	0.003		< 0.003		< 0.0028	

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-42
BDDT - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			DTSB1		DTSB2		DTSB3		DTSB4		DTSB5		DTSB6	
FIELD ID				DTSB1		DTSB2		DTSB3		DTSB4		DTSB5		DTSB6	
SAMPLING DATE				12-AUG-98		12-AUG-98		12-AUG-98		12-AUG-98		12-AUG-98		12-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.5-1.0		2.5-3.0		2.5-3.0		2.5-3.0		0.5-1.0		1.0-1.5	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals															
Aluminum	200000	7800	na	11,600		11,800		11,200		12,900		11,000		16,000	
Antimony	82	3.1	13	< 0.67		< 0.57		4.8	J	< 0.58		< 0.62		< 0.61	
Arsenic	3.8	0.43	0.026	***4.8***		***4.5***		***7.0***		***6.1***		***6.1***		***6.1***	
Barium	14000	550	2100	53.3	J	54.9	J	48.9	J	47.3	J	32.4		41.7	J
Beryllium	410	16	1200	0.9		0.72		0.57	B	0.66		0.61	B	0.59	B
Calcium	na	na	na	4,600	B	773	B	734	B	729	B	662	B	908	B
Chromium	610	23	42	30.1		37.6		27.2		31.4		33.9		32.3	
Cobalt	4100	160	na	14.5		19.0		11.3		18.1		15.6		17.6	
Copper	8200	310	11000	17.2	B	31.1	J	68.0	J	21.3	J	10.4	B	35.3	J
Iron	61000	2300	na	29,100		32,000		29,000		30,500		30,800		32,100	
Lead	750	400	400	22.6		15.1		12.5		13.2		13.5		13.2	
Magnesium	na	na	na	6,850		4,930		2,700		3,290		3,950		3,120	
Manganese	4100	160	950	408		812		515		790		543		587	
Nickel	4100	160	na	38.4	J	10.3	J	8.4	J	9.4	J	9.5	J	11.3	J
Potassium	na	na	na	1,070	J	843	J	917	J	1,180	J	1,210	J	1,440	J
Sodium	na	na	na	120	B	106	B	95.2	B	96.2	B	107	B	103	B
Thallium	14	0.55	3.6	0.27	UJ	< 0.23		0.22	UJ	0.23	UJ	0.25	UJ	0.24	UJ
Vanadium	1400	55	5100	45.3	J	52.3	J	44.6	J	55.8	J	50.7	J	56.3	J
Zinc	61000	2300	14000	271	J	34.9	B	35.0	B	22.8	B	20.5	B	31.7	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-42
BDDT - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			DTSB7		DTSB8		DTSB9		DTSB10		DTSB11		DTSB12	
FIELD ID				DTSB7		DTSB8		DTSB9		DTSB10		DTSB11		DTSB12	
SAMPLING DATE				12-AUG-98		12-AUG-98		12-AUG-98		12-AUG-98		12-AUG-98		12-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	2.0-2.5		1.0-1.5		3.0-3.5		3.5-4.0		3.5-4.0		3.5-4.0	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals															
Aluminum	200000	7800	na	10,700		9,990		11,100		10,100		7,770		11,800	
Antimony	82	3.1	13	1.5	B	1.8	B	1.7	B	1.9	B	2.1	B	2.0	B
Arsenic	3.8	0.43	0.026	***7.3***		***6.3***		***7.3***		***6.5***		***6.4***		***7.2***	
Barium	14000	550	2100	46.2	B	65.7	J	44.6	B	43.2	J	41.3	B	42.4	B
Beryllium	410	16	1200	0.59	B	1.1	B	0.67	B	0.56	B	0.72	B	0.67	B
Calcium	na	na	na	786	B	874	B	966	B	901	B	769	B	961	B
Chromium	610	23	42	28.3		40.5		33.8		25.1		35.0		37.5	
Cobalt	4100	160	na	15.3		26.3		17.2		13.7		13.8		8.4	J
Copper	8200	310	11000	40.5	J	20.0	B	113	J	11.6	B	37.4	J	21.6	B
Iron	61000	2300	na	28,600		32,100		29,700		23,500		29,400		32,500	
Lead	750	400	400	14.0		19.9		12.1		12.4		19.5		11.1	
Magnesium	na	na	na	3,000	B	3,610		4,040	B	2,550		2,930	B	4,330	B
Manganese	4100	160	950	815		***1,660***		536		847		612		303	
Nickel	4100	160	na	7.9	J	9.8	J	11.2	J	7.7	J	7.4	J	10.0	J
Potassium	na	na	na	721	B	593	B	711	B	654	J	611	B	974	B
Sodium	na	na	na	47.2	B	57.7	B	68.3	B	42.7	B	45.6	B	42.3	B
Thallium	14	0.55	3.6	2.0	B	0.99	B	0.52	UJ	0.89	B	0.51	UJ	0.63	B
Vanadium	1400	55	5100	47.2	J	52.4	J	50.1	J	38.3	J	48.7	J	52.8	J
Zinc	61000	2300	14000	28.0	B	38.7	B	26.3	B	31.4	B	34.0	B	22.3	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-42
BDDT - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			DTSB13		DTSB14		DTSB15		DTSB16		DTSB17		DTSB18	
FIELD ID				DTSB13		DTSB14		DTSB15		DTSB16		DTSB17		DTSB18	
SAMPLING DATE				12-AUG-98		12-AUG-98		13-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.5-1.0		3.5-4.0		2.0-2.5		2.0-2.5		3.0-3.5		2.0-2.5	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals															
Aluminum	200000	7800	na	10,100		12,600		10,600		14,700		15,400		15,100	
Antimony	82	3.1	13	2.0	B	2.1	B	4.8	J	< 0.61		< 0.62		0.6	
Arsenic	3.8	0.43	0.026	***7.1***		***7.0***		***4.4***		***5.8***		***9.6***		***5.7***	
Barium	14000	550	2100	48.7	B	61.9	B	47.9	J	48.0	J	72.0	J	45.2	J
Beryllium	410	16	1200	0.97	B	1.1	B	0.71	B	0.91	B	1.3	B	0.79	B
Calcium	na	na	na	1,060	B	638	B	934	B	1,370	B	1,680	B	1,350	B
Chromium	610	23	42	27.8		29.4		40.0		38.1		***53.5***		32.8	
Cobalt	4100	160	na	15.4		19.1		12.9	J	15.9	J	20.3	J	15.3	J
Copper	8200	310	11000	108	J	6.2	B	25.9	J	99.4	J	233	J	25.1	J
Iron	61000	2300	na	28,600		36,900		29,100		30,800		47,800		31,400	
Lead	750	400	400	18.4		20.0	B	16.1		32.9		47.1		13.5	
Magnesium	na	na	na	2,830	B	4,430		3,360		5,700		5,810		5,270	
Manganese	4100	160	950	620		***1,040***		712		553		***1,110***		462	
Nickel	4100	160	na	11.6	J	10.5	B	9.0	J	15.1	J	14.8	J	13.8	J
Potassium	na	na	na	766	B	859	UJ	917	J	1,550	J	1,890	J	1,540	J
Sodium	na	na	na	27.4	B	25.4	B	86.2	B	105	B	108	B	103	B
Thallium	14	0.55	3.6	0.81	B	0.49	UJ	0.25	UJ	0.36	B	1.0	B	0.47	B
Vanadium	1400	55	5100	47.6	J	53.2	J	52.4	J	53.6	J	85.0	J	54.8	J
Zinc	61000	2300	14000	50.7	B	22.6	B	36.1	B	81.7	B	101	B	40.1	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-42
BDDT - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			DTSB19		DTSB20		DTSB21		DTSB22		DTSB23		DTSB35	
FIELD ID				DTSB19		DTSB20		DTSB21		DTSB22		DTSB23		DTSB35	
SAMPLING DATE				18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	2.0-2.5		2.0-2.5		2.0-2.5		2.0-2.5		2.0-2.5		0.5-1.0	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals															
Aluminum	200000	7800	na	17,000		16,300		8,560		13,600		12,500		14,600	
Antimony	82	3.1	13	< 0.63		< 0.61		< 0.63		< 0.6		< 0.64		< 0.66	
Arsenic	3.8	0.43	0.026	***5.7***		***7.1***		***2.6***		***5.4***		***3.4***		***4.6***	
Barium	14000	550	2100	48.5	J	49.3	J	62.8	J	48.4	J	63.6	J	73.8	J
Beryllium	410	16	1200	0.96	B	1.0	B	0.78	B	0.89	B	0.92	B	1.1	B
Calcium	na	na	na	1,550	B	1,300	B	1,330	B	1,250	B	1,160	B	1,650	B
Chromium	610	23	42	32.5		38.0		38.4		40.7		29.3		***47.2***	
Cobalt	4100	160	na	15.2	J	15.4	J	12.3	J	12.0	J	16.4	J	16.9	
Copper	8200	310	11000	12.9	B	33.3	J	110	J	23.8	J	10.0	B	136	
Iron	61000	2300	na	30,000		38,900		23,900		34,800		26,200		29,600	
Lead	750	400	400	11.4		18.9		62.7		13.0		11.8		66.9	
Magnesium	na	na	na	6,630		5,790		3,310		7,890		5,870		5,090	
Manganese	4100	160	950	470		564		541		437		918		746	
Nickel	4100	160	na	16.2	J	13.5	J	9.0	J	14.8	J	13.8	J	15.4	
Potassium	na	na	na	1,850	J	1,720	J	839	J	1,880	J	1,380	J	1,430	J
Sodium	na	na	na	104	B	99.8	B	86.9	B	107	B	91.0	B	173	B
Thallium	14	0.55	3.6	0.25	UJ	0.24	UJ	0.31	B	0.53	B	0.99	B	0.51	B
Vanadium	1400	55	5100	53.7	J	70.2	J	40.6	J	59.4	J	47.9	J	52.6	J
Zinc	61000	2300	14000	32.0	B	40.4	B	60.3	B	34.9	B	29.5	B	157	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-42
BDDT - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			DTSB36		DTSB37		DTSB38		DTSB39		DTSB40		DTSB41	
FIELD ID				DTSB36		DTSB37		DTSB38		DTSB39		DTSB40		DTSB41	
SAMPLING DATE				18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.5-1.0		0.5-1.0		0.5-1.0		0.5-1.0		0.5-1.0		0.5-1.0	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals															
Aluminum	200000	7800	na	15,000		15,900		14,000		19,900		15,600		10,700	
Antimony	82	3.1	13	< 0.62		< 0.62		< 0.64		< 0.68		< 0.63		< 0.63	
Arsenic	3.8	0.43	0.026	***7.0***		***6.7***		***5.2***		***6.1***		***5.2***		***3.3***	
Barium	14000	550	2100	47.2	J	58.4	J	60.8	J	71.4	J	70.6	J	39.1	J
Beryllium	410	16	1200	1.0	B	1.3	B	0.99	B	1.4	B	1.1	B	0.86	B
Calcium	na	na	na	1,280	B	1,510	B	1,580	B	1,460	B	1,290	B	1,210	B
Chromium	610	23	42	***51.9***		***58.0***		***43.6***		38.3		41.2		19.8	
Cobalt	4100	160	na	17.0		28.7		20.6		15.6		19.4		10.7	
Copper	8200	310	11000	12.7	B	14.9	B	47.1		21.9		20.2		14	B
Iron	61000	2300	na	41,300		41,600		29,500		37,400		31,900		23,200	
Lead	750	400	400	13.6		17.9		72.8		12.8		16.4		10.3	
Magnesium	na	na	na	6,670		8,930		6,080		11,400		7,610		2,950	
Manganese	4100	160	950	815		***1,490***		***1,070***		703		***1,060***		390	
Nickel	4100	160	na	14.4		17.1		14.1		25.5		17.1		11.8	
Potassium	na	na	na	1,710	J	1,870	J	1,770		2,880	J	2,190	J	974	J
Sodium	na	na	na	193	B	165	B	168	B	166	B	141	B	94.3	B
Thallium	14	0.55	3.6	0.25	UJ	0.25	UJ	0.26	UJ	0.27	UJ	0.25	UJ	0.25	UJ
Vanadium	1400	55	5100	69.7	J	71.6	J	53.4	J	63.4	J	59.5	J	38.1	J
Zinc	61000	2300	14000	78.8	B	35.2	B	119	B	46.6	B	67.8	B	36.0	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-42
BDDT - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			DTSB42		DTSB43		DTSB44		DTSB45	
FIELD ID				DTSB42		DTSB43		DTSB44		DTSB45	
SAMPLING DATE				18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.5-1.0		0.5-1.0		0.5-1.0		0.5-1.0	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
Metals											
Aluminum	200000	7800	na	13,200		16,000		28,500		8,890	
Antimony	82	3.1	13	< 0.65		< 0.64		< 0.67		< 0.65	
Arsenic	3.8	0.43	0.026	***7.6***		***7.4***		***5.7***		***3.6***	
Barium	14000	550	2100	64.8	J	60.3	J	63.6	J	45.5	J
Beryllium	410	16	1200	1.2	B	1.1	B	1.6	J	0.74	B
Calcium	na	na	na	1,680	B	1,280	B	1,530	B	920	B
Chromium	610	23	42	***63.4***		***50.2***		36.0		27.3	
Cobalt	4100	160	na	21.1		22.1		13.3		13.3	
Copper	8200	310	11000	30.9		26.3		24.3		19.4	
Iron	120000	4700	na	43,500		42,600		47,500		20,000	
Lead	750	400	400	34.4		39.2		7.9		22.7	
Magnesium	na	na	na	5,390		9,120		19,100		4,000	
Manganese	4100	160	950	***1,170***		***1,190***		571		746	
Nickel	4100	160	na	14.0		16.1		24.2		9.6	
Potassium	na	na	na	1,590	J	2,370	J	3,890	J	886	J
Sodium	na	na	na	123	B	114	B	138	B	97.6	B
Thallium	14	0.55	3.6	0.26	UJ	0.26	UJ	0.3	B	1.0	B
Vanadium	1400	55	5100	77.0	J	75.7	J	72.5	J	36.6	J
Zinc	61000	2300	14000	102	B	137	B	58.6	B	54.4	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-43
BDDT - RI Detected Organic Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			DTSB1	DTSB2	DTSB3	DTSB4	DTSB7
FIELD ID				DTSB1	DTSB2	DTSB3	DTSB4	DTSB7
SAMPLING DATE				12-AUG-98	12-AUG-98	12-AUG-98	12-AUG-98	12-AUG-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.5 - 1.0	2.5 - 3.0	2.5 - 3.0	2.5 - 3.0	2.0 - 2.5
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs								
1,4-Dichlorobenzene	240	27	0.0071	< ***0.46***	< ***0.39***	< ***0.38***	< ***0.39***	< ***0.41***
2,4-Dinitrotoluene	410	16	0.57	< 0.46	< 0.39	< 0.38	< 0.39	< 0.41
2-Methylnaphthalene	4100	160	22	< 0.46	< 0.39	< 0.38	< 0.39	< 0.41
3,3'-Dichlorobenzidine	13	1.4	0.0049	< ***0.9***	< ***0.76***	< ***0.76***	< ***0.77***	< ***0.8***
4-Methylphenol	1000	39	na	< 0.46	< 0.39	< 0.38	< 0.39	< 0.41
4-Nitrophenol	16000	630	2	< ***2.3***	< 1.9	< 1.9	< ***2***	< ***2.1***
Acenaphthene	12000	470	100	< 0.022	< 0.022	< 0.021	< 0.02	< 0.02
Acenaphthylene	na	na	na	< 0.043	< 0.044	< 0.041	< 0.04	< 0.04
Anthracene	61000	2300	470	0.0087	< 0.0022	< 0.0021	< 0.002	< 0.002
Benz[a]anthracene	7.8	0.87	1.5	0.023	< 0.0022	< 0.0021	< 0.002	< 0.002
Benzo[a]pyrene	0.78	0.087	0.37	0.039	< 0.0022	< 0.0021	0.003	< 0.002
Benzo[b]fluoranthene	7.8	0.87	4.5	0.041 J	< 0.0044	< 0.0041	< 0.004	0.0007 J
Benzo[g,h,i]perylene	na	na	na	0.0098	< 0.0044	< 0.0041	< 0.004	< 0.004
Benzo[k]fluoranthene	78	8.7	45	0.025	< 0.0022	< 0.0021	< 0.002	0.0012 J
Carbazole	290	32	0.47	< 0.46	< 0.39	< 0.38	< 0.39	< 0.41
Chrysene	780	87	150	0.03 J	< 0.0022	< 0.0021	< 0.002	0.0005 J
Dibenz[a,h]anthracene	0.78	0.087	1.4	0.0018	0.0044 UJ	0.0041 UJ	0.004 UJ	0.004 UJ
Dibenzofuran	820	31	8	< 0.46	< 0.39	< 0.38	< 0.39	< 0.41
Diethylphthalate	160000	6300	450	< 0.46	< 0.39	< 0.38	< 0.39	0.07 J
Di-n-butylphthalate	20000	780	5000	0.12 B	< 0.39	< 0.38	< 0.39	< 0.41
Fluoranthene	8200	310	6300	0.077	0.0025 J	< 0.0041	0.0018 J	0.0016 J
Fluorene	8200	310	140	< 0.0043	< 0.0044	< 0.0041	< 0.004	< 0.004
Indeno[1,2,3-cd]pyrene	7.8	0.87	13	0.022	< 0.0022	< 0.0021	< 0.002	0.0008 J
Naphthalene	4100	160	0.15	< 0.022	< 0.022	< 0.021	< 0.02	< 0.02
Pentachlorophenol	48	5.3	na	< 2.3	< 1.9	< 1.9	< 2	< 2.1
Phenanthrene	6100	230	680	0.045	< 0.0022	< 0.0021	< 0.002	< 0.002
Pyrene	6100	230	680	0.078	0.0026	0.005	< 0.002	0.0016 J

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-43
BDDT - RI Detected Organic Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			DTSB8	DTSB9	DTSB10	DTSB11	DTSB12	DTSB13	DTSB14
FIELD ID				DTSB8	DTSB9	DTSB10	DTSB11	DTSB12	DTSB13	DTSB14
SAMPLING DATE				12-AUG-98	12-AUG-98	12-AUG-98	12-AUG-98	12-AUG-98	12-AUG-98	12-AUG-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	1.0 - 1.5	3.0 - 3.5	3.5 - 4.0	3.5 - 4.0	3.5 - 4.0	0.5 - 1.0	3.5 - 4.0
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs										
1,4-Dichlorobenzene	240	27	0.0071	< ***0.43***	< ***0.44***	< ***0.43***	< ***0.43***	< ***0.43***	< ***0.43***	< ***0.42***
2,4-Dinitrotoluene	410	16	0.57	< 0.43	< 0.44	< 0.43	< 0.43	< 0.43	< 0.43	< 0.42
2-Methylnaphthalene	4100	160	22	0.06 J	0.09 J	< 0.43	< 0.43	< 0.43	< 0.43	< 0.42
3,3'-Dichlorobenzidine	13	1.4	0.0049	< ***0.83***	***0.12*** J	< ***0.82***	< ***0.83***	< ***0.82***	< ***0.83***	< ***0.81***
4-Methylphenol	1000	39	na	< 0.43	< 0.44	< 0.43	< 0.43	< 0.43	< 0.43	< 0.42
4-Nitrophenol	16000	630	2	< ***2.2***	< ***14.0***	< ***14.0***	< ***14.0***	< ***14.0***	< ***14.0***	< ***14.0***
Acenaphthene	12000	470	100	< 0.42	< 0.43	< 0.41	< 0.43	< 0.021	< 0.41	< 0.021
Acenaphthylene	na	na	na	< 0.84	< 0.85	< 0.82	< 0.86	< 0.041	< 0.82	< 0.041
Anthracene	61000	2300	470	0.33	0.5	0.25	0.021 J	0.0008 J	0.094	0.022
Benz[a]anthracene	7.8	0.87	1.5	0.80	0.88	0.34	0.021 J	0.0011 J	0.27	0.046
Benzo[a]pyrene	0.78	0.087	0.37	***0.83***	***0.85***	***0.41***	0.029 J	0.0021	0.23	0.051
Benzo[b]fluoranthene	7.8	0.87	4.5	0.94	1.2	0.44	0.045 J	0.0043	0.36	0.064
Benzo[g,h,i]perylene	na	na	na	0.29 J	0.6 J	0.14 J	< 0.086	0.0017 J	0.099 J	0.031 J
Benzo[k]fluoranthene	78	8.7	45	0.67	0.4	0.16	0.023 J	0.0018 J	0.15	0.029
Carbazole	290	32	0.47	***0.57***	***0.57***	< 0.43	0.11 J	< 0.43	< 0.43	< 0.42
Chrysene	780	87	150	0.87	1.0	0.42	0.047	0.003	0.34	0.061
Dibenz[a,h]anthracene	0.78	0.087	1.4	0.081 J	0.085 UJ	0.082 UJ	0.086 UJ	0.0041 UJ	0.082 UJ	0.0035 J
Dibenzofuran	820	31	8	0.23 J	1.1	< 0.43	< 0.43	< 0.43	< 0.43	< 0.42
Diethylphthalate	160000	6300	450	0.05 J	0.17 J	0.09 J	0.12 J	0.06 J	0.21 J	0.11 J
Di-n-butylphthalate	20000	780	5000	< 0.43	< 0.44	< 0.43	< 0.43	< 0.43	< 0.43	< 0.42
Fluoranthene	8200	310	6300	2.6	3.2	1.2	0.12	0.0056	0.86	0.16
Fluorene	8200	310	140	0.11	0.2	0.059 J	< 0.086	< 0.0041	< 0.082	0.011
Indeno[1,2,3-cd]pyrene	7.8	0.87	13	0.43	0.57	0.24	0.029 J	0.0021	0.2	0.031
Naphthalene	4100	160	0.15	< ***0.42***	< ***0.43***	< ***0.41***	< ***0.43***	< 0.021	< ***0.41***	< 0.021
Pentachlorophenol	48	5.3	na	< 2.2	< 2.2	< 2.1	< 2.2	< 2.1	< 2.2	< 2.1
Phenanthrene	6100	230	680	1.8	2.5	1.1	0.1	0.0028	0.37	0.13
Pyrene	6100	230	680	1.9	2.4	0.94	0.12	0.0053	0.69	0.12

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-43
BDDT - RI Detected Organic Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			DTSB15	DTSB16	DTSB17	DTSB18	DTSB19	DTSB20	DTSB21	DTSB22
FIELD ID				DTSB15	DTSB16	DTSB17	DTSB18	DTSB19	DTSB20	DTSB21	DTSB22
SAMPLING DATE				13-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	2.0 - 2.5	2.0 - 2.5	3.0 - 3.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs											
1,4-Dichlorobenzene	240	27	0.0071	***0.42***	< ***0.47***	< ***0.42***	< ***0.41***	< ***0.41***	< ***0.41***	***3.2***	< ***0.41***
2,4-Dinitrotoluene	410	16	0.57	0.42	< 0.47	< 0.42	< 0.41	< 0.41	< 0.41	0.06 J	< 0.41
2-Methylnaphthalene	4100	160	22	0.42	0.074 J	0.29 J	0.092 J	< 0.41	< 0.41	1.2	< 0.41
3,3'-Dichlorobenzidine	13	1.4	0.0049	***0.82***	< ***0.93***	***0.83*** UJ	< ***0.81***	< ***0.81***	< ***0.8***	< ***168.8***	< ***0.8***
4-Methylphenol	1000	39	na	0.42	< 0.47	< 0.42	< 0.41	< 0.41	< 0.41	0.1 J	< 0.41
4-Nitrophenol	16000	630	2	***2.1***	< ***2.4***	< ***2.1***	< ***2.1***	< ***2.1***	< ***2.0***	***5.5*** J	< ***2.0***
Acenaphthene	12000	470	100	< 0.021	4 J	1.6 J	< 0.21	< 0.021	< 0.11	< 0.6	0.46 J
Acenaphthylene	na	na	na	< 0.041	< 17	< 8.8	< 0.41	< 0.041	< 0.21	< 1.2	< 1.6
Anthracene	61000	2300	470	0.0056	11	4.9	0.065	0.0046	0.085	0.92	1.3
Benz[a]anthracene	7.8	0.87	1.5	0.0077	***19.58***	***6.6***	0.11	0.0024	0.18	***1.5***	***2***
Benzo[a]pyrene	0.78	0.087	0.37	0.0071	***21.88***	***7.4***	***1.6***	0.0032	0.21	***1.7***	***2.1***
Benzo[b]fluoranthene	7.8	0.87	4.5	0.0089	***27***	***8.4***	0.18	0.0049	0.26	2.1	2.8
Benzo[g,h,i]perylene	na	na	na	0.0025 J	10.1 J	3.2 J	< 0.041	0.0024 J	0.11 J	0.88 J	1.1 J
Benzo[k]fluoranthene	78	8.7	45	0.008	10.4	3.5	1.5	0.0024	0.12	0.81	1.1
Carbazole	290	32	0.47	0.073 J	***1.4***	***1.7*** J	***1.3*** J	< 0.41	***0.5*** J	< ***85.7***	0.29 J
Chrysene	780	87	150	0.01	25.59	7.1	0.1	0.004	0.24	1.7	2.3
Dibenz[a,h]anthracene	0.78	0.087	1.4	0.0041 UJ	1.3 J	0.43 J	< 0.041	< 0.0041	0.014 J	0.11 J	0.15 J
Dibenzofuran	820	31	8	< 0.42	0.44 J	0.74	0.43	< 0.41	0.15 J	2.0	0.068 J
Diethylphthalate	160000	6300	450	< 0.42	< 0.47	< 0.42	< 0.41	< 0.41	< 0.41	< 0.43	< 0.41
Di-n-butylphthalate	20000	780	5000	< 0.42	< 0.47	< 0.42	< 0.41	< 0.41	< 0.41	< 85.7	< 0.41
Fluoranthene	8200	310	6300	0.027	76.11	23.18	0.4	0.013	0.57	5.3	7.2
Fluorene	8200	310	140	0.0026 J	6.2	2.3	< 0.041	0.0042	0.04	0.51	0.75
Indeno[1,2,3-cd]pyrene	7.8	0.87	13	0.0055	11.6	4.1	0.15	0.0035	0.12	0.97	1.2
Naphthalene	4100	160	0.15	< 0.021	< ***8.5***	***7.8***	< ***0.21***	0.006 J	< 0.11	< ***0.6***	< ***0.8***
Pentachlorophenol	48	5.3	na	< 2.1	< 2.4	< 2.1	< 2.1	< 2.1	< 2.0	0.47 J	< 2.0
Phenanthrene	6100	230	680	0.027	67.13	21.31	0.28	0.024	0.41	4.3	6.0
Pyrene	6100	230	680	0.023	56.25	17.65	0.33	0.011	0.45	4	5.3

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-43
BDDT - RI Detected Organic Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			DTSB23	DTSB35	DTSB37	DTSB38	DTSB39	DTSB40
FIELD ID				DTSB23	DTSB35	DTSB37	DTSB38	DTSB39	DTSB40
SAMPLING DATE				18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	2.0 - 2.5	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs									
1,4-Dichlorobenzene	240	27	0.0071	< ***0.42***	< ***0.43***	< ***0.41***	< ***0.42***	< ***0.45***	< ***0.42***
2,4-Dinitrotoluene	410	16	0.57	< 0.42	< 0.43	< 0.41	< 0.42	< 0.45	< 0.42
2-Methylnaphthalene	4100	160	22	< 0.42	0.098 J	< 0.41	< 0.42	< 0.45	< 0.42
3,3'-Dichlorobenzidine	13	1.4	0.0049	< ***0.82***	***0.86*** UJ	< ***0.81***	< ***0.83***	< ***0.89***	< ***0.82***
4-Methylphenol	1000	39	na	< 0.42	< 0.43	< 0.41	< 0.42	< 0.45	< 0.42
4-Nitrophenol	16000	630	2	< ***2.1***	< ***2.2***	< ***2.1***	< ***2.1***	< ***2.3***	< 0.42
Acenaphthene	12000	470	100	< 0.021	0.4 J	< 0.021	< 0.022	< 0.021	< 0.11
Acenaphthylene	na	na	na	< 0.042	< 0.85	< 0.042	< 0.043	< 0.041	< 0.21
Anthracene	61000	2300	470	< 0.0021	0.71	0.0008 J	< 0.022	< 0.0021	< 0.011
Benz[a]anthracene	7.8	0.87	1.5	0.0007 J	***1.7***	0.0006 J	0.0009 J	0.0011 J	0.13
Benzo[a]pyrene	0.78	0.087	0.37	< 0.0021	***1.8*** J	0.0018 J	0.0021 J	0.0024 J	0.15 J
Benzo[b]fluoranthene	7.8	0.87	4.5	< 0.0042	2.3	0.0021 J	0.0031 J	0.0039	0.37
Benzo[g,h,i]perylene	na	na	na	< 0.0042	0.8 J	0.0006 J	0.001 J	< 0.0041	0.17 J
Benzo[k]fluoranthene	78	8.7	45	< 0.0021	0.93	0.0011 J	0.0019 J	0.0034	0.14
Carbazole	290	32	0.47	< 0.42	***3.5*** J	< 0.41	< 0.42	0.08 J	< 0.42
Chrysene	780	87	150	0.0019 J	2.0	0.0015 J	0.0025	0.0032	0.22
Dibenz[a,h]anthracene	0.78	0.087	1.4	< 0.0042	0.12	< 0.0042	< 0.0043	< 0.0041	0.099
Dibenzofuran	820	31	8	< 0.42	0.8	< 0.41	< 0.42	< 0.45	< 0.42
Diethylphthalate	160000	6300	450	< 0.42	< 0.43	< 0.41	< 0.42	< 0.45	< 0.42
Di-n-butylphthalate	20000	780	5000	< 0.42	< 0.43	< 0.41	< 0.42	< 0.45	< 0.42
Fluoranthene	8200	310	6300	0.005	5.8 J	0.0046 J	0.0052 J	0.0073 J	0.21 J
Fluorene	8200	310	140	< 0.0042	< 0.085	< 0.0042	< 0.0043	< 0.0041	< 0.021
Indeno[1,2,3-cd]pyrene	7.8	0.87	13	0.0028	1.0	0.001 J	0.002 J	0.0021	< 0.011
Naphthalene	4100	160	0.15	< 0.021	< ***0.43***	< 0.021	< 0.022	< 0.021	< 0.11
Pentachlorophenol	48	5.3	na	< 2.1	< 2.2	< 2.1	< 2.1	2.3	< 2.1
Phenanthrene	6100	230	680	0.0033	4.0	0.0036	0.0043	0.0038	0.092
Pyrene	6100	230	680	0.0047	4.2	0.004	0.0055	0.0062	0.21

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-43
BDDT - RI Detected Organic Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			DTSB41	DTSB42	DTSB43	DTSB44	DTSB45
FIELD ID				DTSB41	DTSB42	DTSB43	DTSB44	DTSB45
SAMPLING DATE				18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs								
1,4-Dichlorobenzene	240	27	0.0071	< ***0.41***	< ***0.43***	< ***0.42***	< ***0.45***	< ***0.43***
2,4-Dinitrotoluene	410	16	0.57	< 0.41	< 0.43	< 0.42	< 0.45	< 0.43
2-Methylnaphthalene	4100	160	22	< 0.41	< 0.43	< 0.42	0.19 J	< 0.43
3,3'-Dichlorobenzidine	13	1.4	0.0049	< ***0.81***	< ***0.84***	< ***0.83***	< ***0.88***	< ***0.84***
4-Methylphenol	1000	39	na	< 0.41	< 0.43	< 0.42	< 0.45	< 0.43
4-Nitrophenol	16000	630	2	< ***2.1***	< ***2.1***	< ***2.1***	< ***2.2***	< ***2.1***
Acenaphthene	12000	470	100	< 0.021	0.26 J	0.38 J	2.4 J	< 0.43
Acenaphthylene	na	na	na	< 0.042	< 0.83	< 1.2	< 8.3	< 0.85
Anthracene	61000	2300	470	0.0044	0.64	1.3	6.4	0.49
Benz[a]anthracene	7.8	0.87	1.5	0.006	1.4	***1.9***	***9.6***	1.2
Benzo[a]pyrene	0.78	0.087	0.37	0.012 J	***1.7*** J	***1.9*** J	***10.4*** J	***1.3*** J
Benzo[b]fluoranthene	7.8	0.87	4.5	0.013	2.3	2.5	***12.74***	1.9
Benzo[g,h,i]perylene	na	na	na	0.0049 J	0.81 J	0.77 J	3.9 J	0.72 J
Benzo[k]fluoranthene	78	8.7	45	0.011	1	1.2	6.0	0.82
Carbazole	290	32	0.47	0.35 J	0.072 J	< 0.42	***8.2*** J	< 0.43
Chrysene	780	87	150	0.011	1.8	2.2	11.11	1.6
Dibenz[a,h]anthracene	0.78	0.087	1.4	< 0.0042	0.091	0.097 J	0.7 J	0.092
Dibenzofuran	820	31	8	0.095 J	< 0.43	< 0.42	1.4 J	< 0.43
Diethylphthalate	160000	6300	450	< 0.41	< 0.43	< 0.42	< 0.45	< 0.43
Di-n-butylphthalate	20000	780	5000	0.1 B	0.079 B	< 0.42	0.45 UJ	0.12 B
Fluoranthene	8200	310	6300	0.029 J	4.9 J	6.5 J	34.1 J	4.1 J
Fluorene	8200	310	140	< 0.0042	0.29	0.69	4.8	< 0.085
Indeno[1,2,3-cd]pyrene	7.8	0.87	13	0.0076	0.9	0.93	4.9	0.76
Naphthalene	4100	160	0.15	< 0.021	< ***0.42***	< ***0.6***	< ***4.2***	< ***0.43***
Pentachlorophenol	48	5.3	na	< 2.1	< 2.1	< 2.1	2.2 UJ	< 2.1
Phenanthrene	6100	230	680	0.022	3.7	5.6	32.8	2.6
Pyrene	6100	230	680	0.029	3.8	5	25.6	3.2

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-44

Igniter Assembly Area - Dames and Moore Detected Metal Results in Soil at Building 8102-2 - 1997

SITE ID	Comparison Criteria			81022612012	810226121224	810226122436	81022636012	810226361224	81022660012	810226601224
SAMPLING DATE				11-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97
DEPTH (in)	Industrial	Residential	SSL Transfers	0-12	12-24	24-36	0-12	12-24	0-12	12-24
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals										
Aluminum	200000	7800	na	9790	17600	19200	15900	27200	24300	25600
Antimony	82	3.1	13	nd	nd	0.26 J	0.21 J	0.47 J	nd	0.29 J
Arsenic	3.8	0.43	0.026	nd	***8.2***	***6.0***	***1.4*** J	***8.2***	***5.5***	***5.0***
Barium	14000	550	2100	20.2 J	8.5 J	22.7 J	12.3 J	14.0 J	14.4 J	12.6 J
Beryllium	410	16	1200	nd	nd	nd	nd	nd	0.42 J	0.34 J
Cadmium	100	3.9	27	nd	nd	nd	nd	nd	nd	1.8
Calcium	na	na	na	1340	633 J	1080	1300	488 J	866 J	275 J
Chromium	610	23	42	25.2	***44.3***	***43.9***	33.5	***51.1***	***49.8***	***50.8***
Cobalt	4100	160	na	0.26 J	1.00 J	0.98 J	0.83 J	1.5 J	1.9 J	1.4 J
Copper	8200	310	11000	15.9	14.4	18.1	11.7	17.3	18.8	16.5
Iron	120000	4700	na	18600	40900	41300	31500	44800	40900	44800
Lead	750	400	400	10.7	11.4	11.5	10.5	13.3	13.9	13.5
Magnesium	na	na	na	447 J	324 J	509 J	479 J	414 J	497 J	323 J
Manganese	4100	160	950	8.6	23.4	25.1	25.8	29.1	48.4	35.4
Nickel	4100	160	na	1.4 J	5.2 J	4.8 J	3.9 J	7.8 J	9.2	7.4 J
Potassium	na	na	na	173 J	239 J	306 J	240 J	477 J	440 J	413 J
Selenium	1000	39	19	0.57 J	1.4	1.2	0.76 J	1.9	1.2	1.6
Sodium	na	na	na	22.0 J	22.3 J	23.2 J	20.8 J	32.7 J	33.4 J	29.5 J
Thallium	14	0.55	3.6	nd	nd	nd	nd	0.63 J	nd	nd
Vanadium	1400	55	5100	42.5	80.8	84.4	61.5	95.3	76.6	91.8
Zinc	61000	2300	14000	6.0	10.7	19.36	7.9	14.1	21.4	13.5

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-45
Igniter Assembly Area - Dames and Moore Detected Metal Results in Soil at Building 8102-7 - 1997

SITE ID	Comparison Criteria			81027112012	810271121224	810271122436	81027136012	810271361224	81027160012	810271601224
SAMPLING DATE				8-Dec-97	8-Dec-97	8-Dec-97	8-Dec-97	8-Dec-97	8-Dec-97	8-Dec-97
DEPTH (in)	Industrial	Residential	SSL Transfers	0-12	12-24	24-36	0-12	12-24	0-12	12-24
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals										
Aluminum	200000	7800	na	29300	20800	23800	20000	35100	18500	46900
Antimony	82	3.1	13	nd	nd	nd	nd	nd	nd	0.23 J
Arsenic	3.8	0.43	0.026	***10.5***	***2.1*** J	***2.8***	***2.6***	***8.2***	***1.4*** J	***11.4***
Barium	14000	550	2100	29.2 J	29.8 J	46.4 J	39.0 J	54.4	20.3 J	31.9 J
Beryllium	410	16	1200	1.2	0.86 J	0.81 J	0.68 J	1.2	0.46 J	1.1
Calcium	na	na	na	739 J	1370	1790	1490	1400	1250	1360
Chromium	610	23	42	37.2	28.8	31.9	26.5	40	24.8	***44.4***
Cobalt	4100	160	na	27.1	6.1 J	5.9 J	4.8 J	21.1	3.0 J	5.9 J
Copper	8200	310	11000	42.4	19.6	207	175	34.5	15.2	34.6
Iron	120000	4700	na	38500	37400	38600	32200	41600	29300	45300
Lead	750	400	400	38.3	25.4	24.3	20.4	49	12.4	30
Magnesium	na	na	na	1500	1400	1600	1340	1400	921 J	1530
Manganese	4100	160	950	590	69.3	56.5	47.1	410	34.1	84.1
Mercury	61	2.3	na	nd	nd	nd	nd	nd	nd	nd
Nickel	4100	160	na	34.8	14.7	16.8	14.0	27.4	7.7 J	24.7
Potassium	na	na	na	921 J	642 J	734 J	620 J	1080 J	621 J	1450
Selenium	1000	39	19	1.2	0.75 J	0.85 J	0.73 J	0.83 J	0.99 J	1.3
Sodium	na	na	na	45.1 J	43.5 J	47.5 J	30.4 J	29.7 J	41.8 J	27 J
Thallium	14	0.55	3.6	nd	nd	nd	nd	0.66 J	nd	nd
Vanadium	1400	55	5100	65.8	nd	nd	59.7	77.9	58.3	84.8
Zinc	61000	2300	14000	61.6	nd	nd	43.3	56.3	22.6	43.3

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-45
Igniter Assembly Area - Dames and Moore Detected Metal Results in Soil at Building 8102-7 - 1997

SITE ID	Comparison Criteria			8102727012	81027271224	81027272436	81027236012	810272361224	81027260012	810272601224
SAMPLING DATE				8-Dec-97	12-08-97	8-Dec-97	8-Dec-97	8-Dec-97	8-Dec-97	8-Dec-97
DEPTH (in)	Industrial	Residential	SSL Transfers	0-12	12-24	24-36	0-12	12-24	0-12	12-24
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals										
Aluminum	200000	7800	na	16100	37600	33200	18000	31500	35400	38600
Antimony	82	3.1	13	nd	nd	nd	nd	nd	0.24 J	nd
Arsenic	3.8	0.43	0.026	***8.7***	***11.3***	***11.1***	***4.0***	***8.1***	***11.3***	***14.6***
Barium	14000	550	2100	166	51.5	82.6	33.9 J	70.0	27.2 J	54.8
Beryllium	410	16	1200	0.67 J	2.3	2.9	0.89 J	2.8	0.63 J	3.8
Calcium	na	na	na	1060	4380	3170	2640	2720	2590	2670
Chromium	610	23	42	25.2	***48.5***	***47.1***	26.8	***52.5***	41.5	***56.7***
Cobalt	4100	160	na	12.0	47.6	18.7	26.0	17.5	9.3 J	11.9
Copper	8200	310	11000	274	38.3	61.6	35	29.9	51.5	36.8
Iron	120000	4700	na	21100	40800	30900	28900	37300	41100	47000
Lead	750	400	400	***475***	40.0	30.0	26.8	24.2	20.8	25.8
Magnesium	na	na	na	1910	8420	22900	2190	14600	1240	3940
Manganese	4100	160	950	221	341	408	188	442	99.4	178
Mercury	61	2.3	na	nd	nd	nd	nd	0.10	nd	0.15
Nickel	4100	160	na	13.9	33	32.5	15.1	37.9	16.9	38.9
Potassium	na	na	na	718 J	2430	4620	778 J	3940	855 J	1830
Selenium	1000	39	19	0.66 J	0.86 J	0.59 J	0.60 J	nd	1.6	1.4
Sodium	na	na	na	26.6 J	39.3 J	48.8 J	33.7 J	42.7 J	35.0 J	35.8 J
Thallium	14	0.55	3.6	nd	nd	0.52 J	nd	0.53 J	nd	0.55 J
Vanadium	1400	55	5100	37.6	76.7	59.2	54.6	67.5	79.9	83.1
Zinc	61000	2300	14000	293	43.8	86.2	30.4	35.7	36.3	35.9

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer vali

Table A-46
Igniter Assembly Area - Dames and Moore Detected Organic Results in Soil at Building 8102-7 - 1997

SITE ID	Comparison Criteria			81027112012	810271121224	810271122436	81027136012	810271361224	81027160012	810271601224
SAMPLING DATE				19-Feb-98	19-Feb-98	18-Feb-98	18-Feb-98	18-Feb-98	18-Feb-98	18-Feb-98
DEPTH (in)	Industrial	Residential	SSL Transfers	0-12	12-24	24-36	0-12	12-24	0-12	12-24
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs										
bis(2-Ethylhexyl)phthalate	410	46	2900	nd	nd	nd	nd	nd	nd	0.300 J
PEST/PCB										
4,4'-DDT	17	1.9	1.2	0.0032 JP	nd	nd	0.00066 J	0.00049 JP	0.00062 JP	0.0013 JP
Endrin	61	2.3	5.4	0.0018 JP	0.00024 JP	0.0013 JP	nd	nd	nd	nd
Endosulfan II	1200	47	20	nd	nd	nd	nd	nd	nd	nd
Methoxychlor	1000	39	310	nd	nd	nd	nd	nd	nd	nd
Aroclor-1254	2.9	0.32	1.1	nd	nd	nd	nd	nd	nd	nd

Table A-46
Igniter Assembly Area - Dames and Moore Detected Organic Results in Soil at Building 8102-7 - 1997

SITE ID	Comparison Criteria			8102727012	81027271224	81027272436	810272601224
SAMPLING DATE				8-Dec-97	8-Dec-97	8-Dec-97	8-Dec-97
DEPTH (in)	Industrial	Residential	SSL Transfers	0-12	12-24	24-36	12-24
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs							
bis(2-Ethylhexyl)phthalate	410	46	2900	0.085 J	0.082 J	nd	0.220 J
PEST/PCB							
4,4'-DDT	17	1.9	1.2	nd	nd	0.00042 JP	nd
Endrin	61	2.3	5.4	nd	nd	0.00042 JP	nd
Endosulfan II	1200	47	20	nd	nd	0.00030 J	nd
Methoxychlor	1000	39	310	nd	nd	nd	0.0050 J
Aroclor-1254	2.9	0.32	1.1	0.0049 JP	nd	nd	nd

Table A-47
Igniter Assembly Area - Dames and Moore Detected Soil Results at Building 502 - 1997

SITE ID	Comparison Criteria			50240012	502401224	502402436	502436012	5024361224	502460012	5024601224
SAMPLING DATE				8-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97
DEPTH (in)	Industrial	Residential	SSL Transfers	0-12	12-24	24-36	0-12	12-24	0-12	12-24
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals										
Aluminum	200000	7800	na	39000	18100	23000	12800	22200	25100	20400
Antimony	82	3.1	13	0.53 J	nd	nd	nd	nd	nd	nd
Arsenic	3.8	0.43	0.026	***10.6***	***2.4***	***4.8***	***1.2*** J	***3.4***	***7.9***	***6.0***
Barium	14000	550	2100	80.1	20.0 J	12.8 J	61.0	16.4 J	54.7	29.4 J
Beryllium	410	16	1200	0.76 J	0.50 J	0.39 J	0.37 J	0.34	0.70 J	0.65 J
Calcium	na	na	na	1690	1280	1560	1640	1220	1460	1460
Chromium	610	23	42	***60.3***	31.4	***48.8***	25.5	***46.1***	40.9	36.6
Cobalt	4100	160	na	5.9 J	4.1 J	2.8 J	15.9	2.5 J	5.6 J	4.1 J
Copper	8200	310	11000	29.7	16.8	20.4	16.8	16.6	26.7	23.5
Iron	120000	4700	na	45500	29000	37400	19100	35200	40600	33900
Lead	750	400	400	25.9	28.0	26.7	51.9	36.1	40.3	43.2
Magnesium	na	na	na	1520	569 J	511 J	784 J	464 J	745 J	722 J
Manganese	4100	160	950	104	107	83.7	420	88.8	151	100
Mercury	61	2.3	na	0.40	nd	nd	0.11	nd	3.3	0.63
Nickel	4100	160	na	21.0	12.8	13.7	11.0	11.7	18.2	16.6
Potassium	na	na	na	1100 J	521 J	633 J	394 J	561 J	613 J	484 J
Selenium	1000	39	19	1.9	0.71 J	1.3	nd	1.3	0.57 J	1.0
Sodium	na	na	na	52.9 J	38.6 J	38.5 J	29.3 J	38.0 J	26.9 J	30.0 J
Thallium	14	0.55	3.6	nd	0.58 J	nd	0.46 J	nd	nd	0.41 J
Vanadium	1400	55	5100	98.4	64.6	87.3	46.0	82.3	86.5	70.6
Zinc	61000	2300	14000	29.6	16.4	11.5	21.3	9.2	34.0	23.6
PEST/PCB										
Aroclor-1254	2.9	0.32	1.1	0.260	0.031 JP	0.007 JP	0.140	0.130	0.041 JP	nd

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-48
Igniter Assembly Area - Dames and Moore Detected Metal Results in Soil at Building 504 - 1997

SITE ID	Comparison Criteria			504312012	5043121224	5043122436	504336012	5043361224	504360012	5043601224
SAMPLING DATE				11-Dec-97	9-Dec-97	9-Dec-97	9-Dec-97	9-Dec-97	9-Dec-97	9-Dec-97
DEPTH (in)	Industrial	Residential	SSL Transfers	0-12	12-24	24-36	0-12	12-24	0-12	12-24
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals										
Aluminum	200000	7800	na	20200	20300	23500	14200	15700	10900	7430
Antimony	82	3.1	13	0.80 J	nd	nd	1.3 J	0.41 J	3.2 J	7.2 J
Arsenic	3.8	0.43	0.026	***7.5***	***5.4***	***7.7***	***4.9***	***5.7***	***5.3***	***11.9***
Barium	14000	550	2100	961	50.2	40.5	394	133	489	906
Beryllium	410	16	1200	0.58 J	0.36 J	0.34 J	0.47 J	0.43 J	0.55 J	0.37 J
Cadmium	100	3.9	27	0.64 J	nd	nd	0.42 J	nd	2.1	2.0
Calcium	na	na	na	10500	876 J	734 J	23500	7930	148000	82000
Chromium	610	23	42	***511***	***42.4***	***42.8***	***468***	***176***	***884***	***1920***
Cobalt	4100	160	na	10.3	4.4 J	2.6 J	8.7 J	10.5	15.3	16.9
Copper	8200	310	11000	1780	19.0	30.4	653	123	397	812
Iron	120000	4700	na	56000	35800	33500	38600	33400	41800	88000
Lead	750	400	400	***4090***	15.4	18.5	***3850***	***1280***	***7370***	***16200***
Magnesium	na	na	na	6430	1070	1010	15000	4650	64600	52500
Manganese	4100	160	950	312	169	51.9	281	274	349	584
Mercury	61	2.3	na	0.10	nd	nd	nd	nd	nd	nd
Nickel	4100	160	na	30.0	9.2	8.8	20.3	15.8	30.0	57.3
Potassium	na	na	na	697 J	586 J	640 J	1410	607 J	4610	2100
Selenium	1000	39	19	1.2	1.4	1.2	0.85 J	0.87 J	nd	nd
Silver	1000	39	31	nd	nd	nd	nd	nd	nd	0.18 J
Sodium	na	na	na	44.3 J	39.0 J	30.9 J	60.9 J	43.2 J	138 J	127 J
Thallium	14	0.55	3.6	nd	nd	nd	0.37 J	nd	nd	nd
Vanadium	1400	55	5100	66.9	74.8	71.4	39.9	52.6	24.6	23.4
Zinc	61000	2300	14000	1550	17.0	27.0	1090	323	1490	3170

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-49

Igniter Assembly Area - Dames and Moore Detected Organic Results for Soil at Building 504 - 1997

SITE ID	Comparison Criteria			504312012		5043121224	5043122436		504336012		5043361224	504360012		5043601224	
SAMPLING DATE				11-Dec-97		9-Dec-97	9-Dec-97		9-Dec-97		9-Dec-97	9-Dec-97		9-Dec-97	
DEPTH (in)	Industrial	Residential	SSL Transfers	0-12		12-24	24-36		0-12		12-24	0-12		12-24	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO	CSO		CSO		CSO	CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg	mg/kg		mg/kg	
SVOCs															
bis(2-Ethylhexyl)phthalate	410	46	2900	0.750		nd	0.110	J	0.081	J	nd	0.110	J	0.260	J
Benzo[g,h,i]perylene	na	na	na	nd		nd	nd		nd		nd	nd		0.041	J
Chrysene	780	87	150	nd		nd	nd		nd		nd	nd		0.044	J
Diethylphthalate	160000	6300	450	nd		nd	nd		nd		nd	0.250	J	nd	
2,4-Dinitrotoluene	410	16	0.57	nd		nd	nd		nd		nd	0.048	J	0.210	J
Fluoranthene	8200	310	6300	nd		nd	nd		nd		nd	nd		0.059	J
Pyrene	6100	230	680	nd		nd	nd		nd		nd	nd		0.048	J
PEST/PCB															
Aroclor-1254	2.9	0.32	1.1	0.890	P	nd	0.046	P	0.320		0.054	P	0.560	***10****	D

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

* Dilution factor of 20 used to obtain result

Table A-50
Igniter Assembly Area - Independent Sampling Detected Soil Results - 1997

SITE ID	Comparison Criteria			SS-03	SS-11
SAMPLING DATE				03-JUN-97	03-JUN-97
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-0.5	0-0.5
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals					
Aluminum	200000	7800	na	15,300	7,920
Antimony	82	3.1	13	nd	0.6
Arsenic	3.8	0.43	0.026	***25.2***	***85.8***
Barium	14000	550	2100	50.2 J	***9,360*** J
Beryllium	410	16	1200	0.5	0.6
Cadmium	100	3.9	27	2.3	7.8
Calcium	na	na	na	28,000	54,000
Chromium	610	23	42	***54.4***	***86.8***
Cobalt	4100	160	na	23.8	76.9
Copper	8200	310	11000	***24,600***	***38,000***
Iron	120000	4700	na	35,800	28,700
Lead	750	400	400	207	***1,040***
Magnesium	na	na	na	28,800	46,000
Manganese	4100	160	950	225	498
Nickel	4100	160	na	61	110
Potassium	na	na	na	673	664
Selenium	1000	39	19	nd	1.2
Silver	1000	39	31	3.6	9.4
Thallium	14	0.55	3.6	0.8	0.6
Vanadium	1400	55	5100	53.2	60.2
Zinc	61000	2300	14000	626.0	***21,800***

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-50
Igniter Assembly Area - Independent Sampling Detected Soil Results - 1997

SITE ID	Comparison Criteria			SS-03	SS-11
SAMPLING DATE				03-JUN-97	03-JUN-97
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-0.5	0-0.5
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs					
Acetone	20000	780	2.5	nd	0.009 B
Methylene chloride	760	85	0.019	0.002 B	0.004 B
Naphthalene	4100	160	0.15	nd	0.0009 B
SVOCs					
Benz[a]anthracene	7.8	0.87	1.5	0.11 J	0.07 J
Benzo[a]pyrene	0.78	0.087	0.37	nd	0.15 J
Benzo[b]fluoranthene	7.8	0.87	4.5	nd	0.2 J
Benzo[g,h,i]perylene	na	na	na	nd	0.11 J
Benzo[k]fluoranthene	78	8.7	45	nd	0.15 J
bis(2-Ethylhexyl)phthalate	410	46	2900	1.34 K	5.68
Butylbenzylphthalate	41000	1600	17000	nd	0.13 J
Chrysene	780	87	150	0.10 J	0.15 J
Di-n-butylphthalate	20000	780	5000	nd	0.07 J
Diethylphthalate	160000	6300	450	nd	0.07 J
Fluoranthene	8200	310	6300	0.3 J	0.2 J
Phenanthrene	na	na	na	0.10 J	0.13 J
Pyrene	6100	230	680	0.3 J	0.2 J
PEST/PCB					
Aroclor-1260	2.9	0.32	na	0.37	1.04
Endrin aldehyde	na	na	na	nd	0.07 R

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-51
Igniter Assembly Area - Independent Sampling Detected Metal Results in Soil- 1998

SITE ID	Comparison Criteria			SS-11a	SS-11b	SS-12
SAMPLING DATE				30-MAR-98	30-MAR-98	30-MAR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-0.2	0-0.2	0-0.2
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals						
Aluminum	200000	7800	na	8060	3900	4860
Arsenic	3.8	0.43	0.026	***100***	***56.4***	***164***
Barium	14000	550	2100	***11800***	***4600***	***3220***
Beryllium	410	16	1200	0.5	nd	nd
Cadmium	100	3.9	27	5.5	3.2	6.8
Calcium	na	na	na	62100	101000	87700
Chromium	610	23	42	***79.4***	***79.1***	***99.2***
Cobalt	4100	160	na	66.5	42.1	85.6
Copper	8200	310	11000	***43900***	***53400***	***56500***
Iron	120000	4700	na	28600	27500	35100
Lead	750	400	400	***918***	336	***563***
Magnesium	na	na	na	52500	82200	71500
Manganese	4100	160	950	465	300	281
Mercury	61	2.3	na	0.2	nd	nd
Nickel	4100	160	na	97.2	124	173
Potassium	na	na	na	733	837	814
Silver	1000	39	31	11	13	22.5
Sodium	na	na	na	nd	nd	101
Thallium	14	0.55	3.6	0.5	0.3	0.7
Vanadium	1400	55	5100	23.8	10.8	16.3
Zinc	61000	2300	14000	***18300***	8280	6460
ASBESTOS (Area %)						
Chrysotile	na	na	na	NA	NA	2.1

Bold outline indicates that the value exceeds the residential RBC.
Shading indicates that the value exceeds the industrial RBC.
Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-52
Igniter Assembly Area - Independent Sampling Detected Organic Results in Soil - 1998

SITE ID	Comparison Criteria			TR-01A	TR-01B
SAMPLING DATE				2-APR-98	2-APR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-0.2	0-0.2
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs					
Anthracene	61000	2300	470	1.01	nd
Acenaphthylene	na	na	na	0.3 J	nd
Benz[a]anthracene	7.8	0.87	1.5	***3.54***	nd
Benzo[a]pyrene	0.78	0.087	0.37	***5.24*** C	0.04 J
Benzo[b]fluoranthene	7.8	0.87	4.5	***12.59*** C	0.09 J
Benzo[k]fluoranthene	78	8.7	45	6.51 C	0.05 J
Benzoic Acid	na	na	na	0.3 J	0.1 J
bis(2-Ethylhexyl)phthalate	410	46	2900	0.4 J	0.2 J
Carbazole	290	32	0.47	***0.5*** J	nd
Chrysene	780	87	150	7.65 C	0.06 J
Dibenz[a,h]anthracene	0.78	0.087	1.4	0.94	nd
Fluoranthene	8200	310	6300	4.39 C	nd
Indeno[1,2,3-cd]pyrene	7.8	0.87	13	6.06 C	nd
Phenanthrene	na	na	na	0.3 J	nd
Pyrene	6100	230	680	4.85 C	nd
PEST/PCB					
4,4'-DDT	17	1.9	1.2	0.04 R	nd
Endrin	61	2.3	5.4	0.02	nd
Endrin aldehyde	na	na	na	0.02 R	nd
Methoxychlor	1000	39	310	0.13 R	nd

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-53
Igniter Assembly Area - Independent Sampling Detected Flooring Material Results - 1998

SITE ID	Comparison Criteria			WS-03
SAMPLING DATE				30-MAR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	na
MATRIX	RBC*	RBC*	Soil to Groundwater	CBI
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Metals				
Aluminum	200000	7800	na	2680
Arsenic	3.8	0.43	0.026	***204***
Barium	14000	550	2100	2080
Cadmium	100	3.9	27	2.8
Calcium	na	na	na	126000
Chromium	610	23	42	***69.3***
Cobalt	4100	160	na	57.8
Copper	8200	310	11000	***54200***
Iron	120000	4700	na	30600
Lead	750	400	400	308
Magnesium	na	na	na	100000
Manganese	4100	160	950	201
Mercury	61	2.3	na	0.1
Nickel	4100	160	na	147
Potassium	na	na	na	778
Silver	1000	39	31	15.9
Sodium	na	na	na	128
Thallium	14	0.55	3.6	0.4
Zinc	61000	2300	14000	***18300***
ASBESTOS (Area %)				
Chrysotile	na	na	na	2.6

Bold outline indicates that the value exceeds the residential RBC.
Shading indicates that the value exceeds the industrial RBC.
Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-54
Igniter Assembly Area - RI Detected Metal Results in Test Pits - 1998

SITE ID	Comparison Criteria			IATP1A		IATP1B		IATP1C		IATP1D		IATP2A		IATP2B		IATP2C		IATP2D	
FIELD ID				IATP1A		IATP1B		IATP1C		IATP1D		IATP2A		IATP2B		IATP2C		IATP2D	
SAMPLING DATE				04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.5-1		0.5-1		4-4.5		4-4.5		0.5-1		0.5-1		4-4.5		4-4.5	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																			
Aluminum	200000	7800	na	7,680		5,670		9,160		9,690		13,900		9,870		13,500		16,700	
Arsenic	3.8	0.43	0.026	***4.3***	J	***1.8***	J	***3.3***		***4***		***28.8***	J	***8.4***	J	***5.9***		***10.1***	
Barium	14000	550	2100	527	J	50.7	J	22.5	B	24.2	B	1,170	J	270	J	38.5		41.7	
Beryllium	410	16	1200	< 0.11		< 0.11		< 0.12		< 0.12		0.58	J	0.52	J	2.1		1.7	
Cadmium	100	3.9	27	0.25	J	< 0.11		< 0.12		< 0.12		1		0.14	J	< 0.13		< 0.14	
Calcium	na	na	na	1,680		1,230		759	B	508	B	25,100		4,730	B	2,220	B	4,160	B
Chromium	610	23	42	21.8		15.6		15.9		17.3		36.8		23.7		***42.2***		36	
Cobalt	4100	160	na	4.2	J	2.1	J	0.95	J	1.1	J	17.6	J	11.8	J	25.6		12.3	
Copper	8200	310	11000	1,280	J	38.9	J	9.1	B	24.5		7,070		1,440		21.1		23.3	
Iron	120000	4700	na	16,700		12,600		17,600		19,300		32,300		24,300		33,200		30,900	
Lead	750	400	400	41.7	J	11.8	J	7		6.4		190		75.2		24.4		22.7	
Magnesium	na	na	na	2,370		739		438	B	296	B	18,900		3,680		2,660		9,380	
Manganese	4100	160	950	57.7	J	114	J	38.8		22.4		308		234		270		269	
Mercury	61	2.3	na	0.5		0.12		< 0.12		< 0.12		0.66	J	0.15	J	0.17		0.2	
Nickel	4100	160	na	5.7	J	1.1	J	0.47	B	0.83	B	33.5	J	13.3	J	21.7		19.3	
Potassium	na	na	na	243	J	197	J	274	B	180	B	821	J	418	B	1,120	J	5,570	J
Selenium	1000	39	19	< 0.56		< 0.55		0.58		< 0.6		< 0.58		< 0.56		< 0.65		< 0.72	
Silver	1000	39	31	0.63	J	0.22	UJ	< 0.23		< 0.24		1.9	B	0.3	B	< 0.26		< 0.29	
Sodium	na	na	na	35.8	B	35.1	B	69.4	B	93.2	B	84.7	B	48.8	B	134	B	1,350	B
Thallium	14	0.55	3.6	0.22	UJ	0.22	UJ	0.54	B	0.79	B	0.99	B	0.22	UJ	< 0.26		< 0.29	
Vanadium	1400	55	5100	33.1	J	25	J	33.1		34.9		43.3	J	38.7	J	49.2		47.2	
Zinc	61000	2300	14000	467		30.8		8.2	B	13.5	B	1,090		312		21.4	B	33.8	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-55
Igniter Assembly Area - RI Detected Organic Results in Test Pits - 1998

SITE ID	Comparison Criteria			IATP1A		IATP1B		IATP2A		IATP2B	
FIELD ID				IATP1A		IATP1B		IATP2A		IATP2B	
SAMPLING DATE				04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.5-1		0.5-1		0.5-1		0.5-1	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
SVOCs											
Benz[a]anthracene	7.8	0.87	1.5	0.062	J	< 0.37		< 0.39		< 0.38	
Benzo[a]pyrene	0.78	0.087	0.37	0.086	J	***< 0.37***		***0.39***	UJ	***0.38***	UJ
Benzo[b]fluoranthene	7.8	0.87	4.5	0.12	J	< 0.37		0.39	UJ	0.38	UJ
Benzo[g,h,i]perylene	na	na	na	0.042	J	< 0.37		0.39	UJ	0.38	UJ
Benzo[k]fluoranthene	78	8.7	45	0.16	J	< 0.37		0.39	UJ	0.38	UJ
bis(2-Ethylhexyl)phthalate	410	46	2900	0.53	J	0.096	J	0.6		0.23	UJ
Chrysene	780	87	150	0.11	J	< 0.37		< 0.39		< 0.38	
Di-n-octylphthalate	4100	160	2400000	< 0.38		< 0.37		0.046	J	0.38	UJ
Fluoranthene	8200	310	6300	0.16	J	< 0.37		< 0.39		< 0.38	
Phenanthrene	na	na	na	0.077	J	< 0.37		< 0.39		< 0.38	
Pyrene	6100	230	680	0.15	J	< 0.37		< 0.39		< 0.38	

Bold outline indicates that the value exceeds the residential RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-56
Igniter Assembly Area - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			IASB1A		IASB1B		IASB2A		IASB2B		IASB2C		IASB3A		IASB3B	
FIELD ID				IASB1A		IASB1B		IASB2A		IASB2B		IASB2C		IASB3A		IASB3B	
SAMPLING DATE				05-AUG-98		05-AUG-98		05-AUG-98		05-AUG-98		05-AUG-98		05-AUG-98		05-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.5-1		5-6		0-2		4-6		26-28		0.5-1		0.5-1	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																	
Aluminum	200000	7800	na	11,100		11,500		12,900		11,500		9,930		29,200		17,900	
Arsenic	3.8	0.43	0.026	***6.1***		***4.3***		***6.4***		***7.6***		***3.6***		***7.8***		***3.9***	
Barium	14000	550	2100	32.2	J	48.2	J	29.2	J	39.6	J	9.5	B	35.5	J	18	B
Beryllium	410	16	1200	< 0.11		< 0.12		< 0.12		< 0.13		< 0.12		0.36	J	0.28	J
Cadmium	100	3.9	27	0.11	UJ	0.12	UJ	0.12	UJ	0.13	UJ	0.12	UJ	0.14	UJ	0.14	UJ
Calcium	na	na	na	762	B	89.6	B	702	B	230	B	220	B	943	B	462	B
Chromium	610	23	42	***54.2***		28.6		40.5		40.9		24		***48.5***		35.2	
Cobalt	4100	160	na	1.4	J	0.75	J	1.1	J	1.3	J	2.1	J	4.4	J	3.2	J
Copper	8200	310	11000	72.4		28.9		19.2		25.4		6.1	B	29		12.1	B
Iron	120000	4700	na	40,600		19,600		42,700		36,700		25,600		52,600		31,200	
Lead	750	400	400	14.1		10.9		8.5		8.3		11.5		21.8		16.4	
Magnesium	na	na	na	523	B	128	B	317	B	153	B	120	B	677	B	261	B
Manganese	4100	160	950	44.4		24.1		33.4		27.9		46.4		78.7		60	
Mercury	61	2.3	na	0.27	J	< 0.12		< 0.12		< 0.13		< 0.12		< 0.14		< 0.15	
Nickel	4100	160	na	1.5	J	0.88	J	< 0.12		1.2	J	3.2	J	10.3	J	7.5	J
Potassium	na	na	na	304	B	176	UJ	218	B	199	B	184	B	352	B	276	B
Selenium	1000	39	19	0.55	UJ	0.61	UJ	0.59	UJ	0.66	J	0.6	UJ	0.68	UJ	0.72	J
Silver	1000	39	31	< 0.22		< 0.25		< 0.24		0.27	B	< 0.24		< 0.27		< 0.28	
Sodium	na	na	na	47.6	B	41.8	B	35.8	B	36.2	B	44.3	B	57.6	B	37.8	B
Thallium	14	0.55	3.6	< 0.22		< 0.25		< 0.24		0.55	B	< 0.24		0.56	B	< 0.28	
Vanadium	1400	55	5100	69	J	63.1		70	J	56	J	43	J	89.8	J	54.5	J
Zinc	61000	2300	14000	50.5	B	26.8	B	16.7	B	24.7	B	11.3	B	41.1	B	26.6	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-56
Igniter Assembly Area - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			IASB4A		IASB4B		IASB5A		IASB5B	
FIELD ID				IASB4A		IASB4B		IASB5A		IASB5B	
SAMPLING DATE				05-AUG-98		05-AUG-98		05-AUG-98		05-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.5-1.5		5-6		0.5-1		5-6	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
Metals											
Aluminum	200000	7800	na	15,600		15,700		10,000		16,900	
Arsenic	3.8	0.43	0.026	***6.6***		***7.8***		***2***		***11.9***	
Barium	14000	550	2100	75.5	J	51.4	J	38.7	J	20.3	B
Beryllium	410	16	1200	2.3		4.3		0.45	J	0.99	
Cadmium	100	3.9	27	2	J	0.14	UJ	0.12	UJ	< 0.14	
Calcium	na	na	na	866	B	2,080	B	777	B	1,200	
Chromium	610	23	42	35.5		***59.8***		22		***42.1***	
Cobalt	4100	160	na	39.4		18.3		7.3		59.1	
Copper	8200	310	11000	265		20.3		83.6		18.3	B
Iron	120000	4700	na	31,200		36,300		23,100		44,500	
Lead	750	400	400	46.5		23.8		19.2		30.9	
Magnesium	na	na	na	2,370	B	1,940	B	1,240	B	813	B
Manganese	4100	160	950	144		557		49.8		254	
Mercury	61	2.3	na	< 0.13		< 0.15		< 0.13		304	
Nickel	4100	160	na	17.5	J	48.7	J	8.4	J	14.5	
Potassium	na	na	na	694	B	840	J	324	B	561	B
Selenium	1000	39	19	0.64	UJ	0.71	UJ	0.62	UJ	< 0.71	
Silver	1000	39	31	< 0.26		< 0.28		< 0.25		< 0.29	
Sodium	na	na	na	48.1	B	48.5	B	36.5	B	96	B
Thallium	14	0.55	3.6	0.63	B	< 0.28		< 0.25		< 0.29	
Vanadium	1400	55	5100	57.1	J	58	J	40.9	J	64.2	
Zinc	61000	2300	14000	101	B	34.8	B	82.4	B	33.5	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-57
Igniter Assembly Area - RI Detected Organic Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria			IASB1B	IASB4A	IASB5B
FIELD ID				IASB1B	IASB4A	IASB5B
SAMPLING DATE				05-AUG-98	05-AUG-98	05-AUG-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	5-6	0.5-1.5	5-6
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs						
Benzo[k]fluoranthene	78	8.7	45	0.052 J	< 0.43	< 0.49
Diethylphthalate	160000	6300	450	< 0.4	0.074 J	0.23 J

Table A-58
Igniter Assembly Area - RI Detected TCLP Metal Results in Conductive Flooring - 1998

SITE ID		IACF2
FIELD ID	TCLP	IACF2
SAMPLING DATE	REGULATORY	04-AUG-98
DEPTH (ft)	LEVELS	na
UNITS	ug/L	ug/L
TCLP Metals		
Barium	100000	302
Cadmium	1000	86.5
Chromium	5000	1.7
Lead	5000	3.5
Selenium	1000	5.7

Table A-59
Northern Burning Ground - Independent Sampling Detected Soil Results - 1997

SITE ID	Comparison Criteria			SS-01	SS-02
SAMPLING DATE				3-JUN-97	3-JUN-97
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.5-0.7	0.5-0.7
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals					
Aluminum	200000	7800	na	18,200	28,900
Arsenic	3.8	0.43	0.026	***7.6***	***6.3***
Barium	14000	550	2100	79.3 J	80.3 J
Beryllium	410	16	1200	0.5	0.6
Cadmium	100	3.9	27	nd	0.8
Calcium	na	na	na	62,700	55,700
Chromium	610	23	42	32.2	***44.2***
Cobalt	4100	160	na	7.7	7.5
Copper	8200	310	11000	18.4	38.6
Iron	120000	4700	na	28,000	26,700
Lead	750	400	400	55.4	199.0
Magnesium	na	na	na	28,300	26,000
Manganese	4100	160	950	208	156
Nickel	4100	160	na	13.8	17.3
Potassium	na	na	na	2,060	2,310
Thallium	14	0.55	3.6	0.2	0.2
Vanadium	1400	55	5100	64.6	70.0
Zinc	61000	2300	14000	294	1,210

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-59
Northern Burning Ground - Independent Sampling Detected Soil Results - 1997

SITE ID	Comparison Criteria			SS-01	SS-02
SAMPLING DATE				3-JUN-97	3-JUN-97
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.5-0.7	0.5-0.7
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs					
bis(2-Ethylhexyl)phthalate	410	46	2900	0.2 J	0.1 J
Di-n-butylphthalate	20000	780	5000	nd	0.04 J
VOCs					
Acetone	20000	780	2.5	0.003 B	nd
Benzene	100	12	0.0018	0.001 J	nd
Chlorobenzene	4100	160	0.8	0.001 J	nd
1,1-Dichloroethene	9.5	1.1	0.00036	0.002 J	nd
Methylene chloride	760	85	0.019	0.002 B	0.002 B
Toluene	410000	16000	8.8	0.001 J	nd
Trichloroethene	520	58	0.015	0.001 J	nd

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-60
Northern Burning Ground - RI Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria			NBGSB1A		NBGSB1B		NBGSB1C		NBGSB2A		NBGSB2B		NBGSB3A		NBGSB3B		NBGSB4A		NBGSB4B		NBGSB5A		NBGSB5B	
SAMPLE DATE				04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.5 - 1.5		8.0 - 10.0		53.0 - 55.0		0.0 - 2.0		5.0 - 6.0		0.5 - 1.5		5.0 - 6.0		0.5 - 1.5		5.0 - 6.0		0.5 - 1.5		5.0 - 6.0	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO		CSO		CSO		CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																									
Aluminum	200000	7800	na	10,800		27,400		13,100		8,270		27,500		9,810		15,800		18,400		28,400		10,400		30,400	
Arsenic	3.8	0.43	0.026	***4.2***	J	***7***	J	***9.2***	J	***8.5***	J	***10.5***	J	***3.2***	J	***4.3***	J	***6***	J	***8.1***	J	***4.5***	J	***17***	J
Barium	14000	550	2100	41	J	18.7	B	30.5	J	81.9	J	18.1	B	38.9	J	9.6	B	41.7	J	21.7	B	34	J	13.2	B
Beryllium	410	16	1200	< 0.12		0.23	J	1.9		< 0.11		0.33	J	0.11	J	< 0.12		0.26	J	0.29	J	0.19	J	0.46	J
Cadmium	100	3.9	27	< 0.12		< 0.14		0.22	J	0.92		< 0.12		< 0.11		< 0.12		< 0.11		< 0.13		< 0.11		< 0.14	
Calcium	na	na	na	1,580	B	928	B	857	B	4,040	B	840	B	2,570	B	371	B	1,780	B	673	B	2,800	B	469	B
Chromium	610	23	42	31.8		***75.3***		35		***1,620***		***53.4***		20.2		21.9		30		***42.3***		16.4		***52.4***	
Cobalt	4100	160	na	4.5	J	3.5	J	9.8	J	23.9	J	3.1	J	4.2	J	2.1	J	4.9	J	4.2	J	6.7	J	4	J
Copper	8200	310	11000	5.5	B	18.4	J	21	J	52.7		12.9	B	9.2	B	6.2	B	11.4	B	15.6	B	4.9	B	24.2	J
Iron	120000	4700	na	18,500		45,900		29,700		12,900		52,000		12,100		19,200		23,300		41,900		16,100		60,600	
Lead	750	400	400	127		226		29.5		***23,400***		19.5		104		10.8		76.2		20		19.3		20.2	
Magnesium	na	na	na	605	B	719	B	11,900		1,520	B	1,010	B	1,350	B	278	B	977	B	661	B	1,300	B	382	B
Manganese	4100	160	950	204		68.1		594		158		58.9		182		21.8	J	317		53.3		393		73.5	
Mercury	61	2.3	na	< 0.12		< 0.14		< 0.14		< 0.11		0.57		< 0.11		< 0.12		< 0.12		< 0.13		< 0.11		0.62	
Nickel	4100	160	na	3.8	B	8.9	J	30.4	J	5.6	B	8.5	J	4.5	B	3.8	B	7.6	J	12.5	J	4.1	B	14.4	J
Potassium	na	na	na	352	B	601	B	3,240	J	324	B	873	J	473	B	489	B	635	J	1300	J	425	B	1,030	J
Selenium	1000	39	19	< 0.58		< 0.69		< 0.67		< 0.56		< 0.62		0.56	J	< 0.59		< 0.56		< 0.66		< 0.56		< 0.68	
Silver	1000	39	31	0.23	UJ	0.28	UJ	0.27	UJ	0.23	B	0.25	UJ	0.22	UJ	0.24	UJ	0.22	UJ	0.26	UJ	< 0.22		0.27	UJ
Sodium	na	na	na	136	B	146	B	103 B	B	113	B	104	B	125	B	106	B	115	B	137	B	94.1	B	111	B
Thallium	14	0.55	3.6	0.42	B	1.5	B	0.27	UJ	0.46	B	0.25	UJ	0.22	UJ	0.24	UJ	1.1	B	0.26	UJ	0.28	B	0.27	UJ
Vanadium	1400	55	5100	33.1	J	83.1	J	49.5	J	23.4	J	79.1	J	21.9	J	32.1	J	39.7	J	76.4	J	27.9	J	91	J
Zinc	61000	2300	14000	61	B	67.4	B	60.4	B	3,760		22.8	B	132	B	15.4	B	67.8	B	28.3	B	22.1	B	45	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-61
Northern Burning Ground - RI Detected SVOC Results in Soil - 1998

SITE ID	Comparison Criteria			NBGSB2A	NBGSB4A	NBGSB5B
FIELD ID				NBGSB2A	NBGSB4A	NBGSB5B
SAMPLING DATE				4-AUG-98	4-AUG-98	4-AUG-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.0 - 2.0	0.5 - 1.5	5.0 - 6.0
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs						
bis(2-Ethylhexyl)phthalate	410	46	2900	0.079 J	< 0.38	< 0.47
Diethylphthalate	160000	6300	450	< 0.38	< 0.38	0.1 J
Di-n-butylphthalate	20000	780	5000	< 0.38	0.099 J	< 0.47

Table A-62
Northern Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria			NBGSB6A	NBGSB6B	NBGSB7A	NBGSB7B	NBGSB8A	NBGSB8B
SAMPLING DATE	Industrial	Residential	SSL Transfers	5/27/1999	5/28/1999	5/29/1999	5/30/1999	5/31/1999	6/1/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	0-0.5	3.5-4	0-0.5	3.5-4	0-0.5	3.5-4
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	200000	7800	na	4670	9420	7800	5930	6150	5680
Antimony	82	3.1	13	< 0.62	< 0.66	< 0.62	< 0.59	< 0.59	< 0.61
Arsenic	3.8	0.43	0.026	***2.2*** B	***5.4*** B	***7*** B	***6.5*** B	***5.4*** B	***6*** B
Barium	14000	550	2100	40.8	19	23	10.5	39.5	32.6
Beryllium	410	16	1200	0.28 B	0.38 B	0.43 B	0.46 B	0.58 B	0.4 B
Cadmium	100	3.9	27	< 0.12	< 0.13	< 0.12	< 0.12	< 0.12	< 0.12
Calcium	na	na	na	637	635 J	684	529 J	1330	974
Chromium	610	23	42	7.1	22.3	22.3	19.6	15.4	14.8
Cobalt	4100	160	na	4.6 K	23	21.7	24.3	26.6	22.3
Copper	8200	310	11000	8.8 K	20.9	18.2	19.3	18.7	15.5
Iron	120000	4700	na	8270	28800	30100	29600	21200	21800
Lead	750	400	400	16.5	13.8	17.7	12.3	24.3	17.6
Magnesium	na	na	na	193 J	472 J	285 J	214 J	395 J	299 J
Manganese	4100	160	950	410	89.9	470	380	710	401
Mercury	61	2.3	na	< 0.12	< 0.13	< 0.12	< 0.12	0.17	< 0.12
Nickel	4100	160	na	3.5 K	14.3 K	11 K	13.6 K	12.5 K	12.7 K
Potassium	na	na	na	149 J	307 J	362 J	199 J	385 J	178 J
Selenium	1000	39	19	0.55 K	< 0.53	< 0.5	< 0.47	< 0.47	< 0.49
Silver	1000	39	31	< 0.12	< 0.13	< 0.12	< 0.12	< 0.12	< 0.12
Sodium	na	na	na	100 B	105 B	102 B	106 B	100 B	101 B
Thallium	14	0.55	3.6	0.86 UJ	0.92 UJ	0.87 UJ	0.83 UJ	0.83 UJ	0.92 J
Vanadium	1400	55	5100	14.9	37.4	51.9	45.1	36.5	34.7
Zinc	61000	2300	14000	18.1	24.7	29.3	29.2	37.6	27.2

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-62
Northern Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria			NBGSB9A	NBGSB10A	NBGSB10B	NBGSB10C	NBGSB10D	NBGSB10E	NBGDW10	NBGDW13
SAMPLING DATE	Industrial	Residential	SSL Transfers	6/2/1999	5/26/1999	5/27/1999	5/28/1999	5/29/1999	5/30/1999	8/19/1999	8/19/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	0-0.5	2-4	4-6	6-8	8-10	10-12	0-4	0-4
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals											
Aluminum	200000	7800	na	5980	22200	31200	26700	30600	29800	37000	25200
Antimony	82	3.1	13	< 0.62	< 0.65	< 0.7	0.8 B	< 0.74	< 0.74	2.3 B	2.4 B
Arsenic	3.8	0.43	0.026	***5.6*** B	***10.6***	***15.1***	***16.3***	***14.5***	***17.5***	***14.5***	***8.7*** K
Barium	14000	550	2100	45.6	22.5 J	15.7 J	16.4	19.2 J	20.7 J	25 B	66.4
Beryllium	410	16	1200	0.57 B	0.35 B	0.56 B	0.53 B	0.51 B	0.6 B	0.37 B	0.39 J
Cadmium	100	3.9	27	< 0.12	0.38	0.62 J	0.66 J	0.5 J	0.62 J	< 0.13	0.21 J
Calcium	na	na	na	1420	1500	343 J	826	301 J	266 J	1190 J	3650
Chromium	610	23	42	16	***43.9***	***58.1***	***64.8***	***57.3***	***69.3***	***54.2***	***94.5***
Cobalt	4100	160	na	28	2.3 K	5 K	3.5 K	3.9 K	4.1 K	4.4 B	6.8
Copper	8200	310	11000	17.5	23.5	36.3	40.4	34.4	38.2	26.4	24.5
Iron	120000	4700	na	21300	39500	56500	63100	54500	62300	51100	29100
Lead	750	400	400	28.4	10.4	19.6	30.3	31.2	30.9	20.7	***707***
Magnesium	na	na	na	402 J	670	488 J	479 J	488 J	364 J	953	2110
Manganese	4100	160	950	926	35.3	62.9	71.4	79.6	99.2	95.5	281
Mercury	61	2.3	na	< 0.12	0.26	0.22	0.35	0.22	< 0.15	0.27	< 0.12
Nickel	4100	160	na	12.4 K	6.8 K	20.6	14.2 K	11.9 K	14.6 K	12.2	10.7
Potassium	na	na	na	378 J	684	758	861	723 J	583 J	964	812
Selenium	1000	39	19	< 0.49	1.3 K	< 0.56	< 0.58	< 0.59	< 0.59	< 0.64	< 0.61
Silver	1000	39	31	< 0.12	0.27 K	0.48 K	0.49 K	0.66 K	0.64 K	< 0.13	< 0.12
Sodium	na	na	na	112 J	189	183 J	198 J	165 J	177 J	88.7 B	133 J
Thallium	14	0.55	3.6	0.86 UJ	0.91 UJ	0.99 UJ	1 UJ	1 UJ	1 UJ	0.89	0.85 UJ
Vanadium	1400	55	5100	36.9	77.9	112	127	118	125	97.4	57.6
Zinc	61000	2300	14000	45.8	19.1	37.6	37.6	29.9	31.8	35.4	706

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-63
Northern Burning Ground - RI Detected Organic Results in Soil - 1999

FIELD ID	Comparison Criteria			NBGSB6A	NBGSB6B	NBGSB7A	NBGSB7B	NBGSB8A	NBGSB8B
SAMPLING DATE	Industrial	Residential	SSL Transfers	5/27/1999	5/28/1999	5/29/1999	5/30/1999	5/31/1999	6/1/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	0-0.5	3.5-4	0-0.5	3.5-4	0-0.5	3.5-4
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PAHs									
Benzo[g,h,i]perylene	na	na	na	< 0.0289	< 0.0332	0.0481	< 0.0308	< 0.0308	< 0.0308
SVOCs									
bis(2-Ethylhexyl)phthalate	410	46	2900	0.061 J	< 0.395	0.05	< 0.366	< 0.37	< 0.366

FIELD ID	Comparison Criteria			NBGSB9A	NBGSB10A	NBGSB10B	NBGSB10C	NBGSB10D	NBGSB10E
SAMPLING DATE	Industrial	Residential	SSL Transfers	6/2/1999	5/26/1999	5/27/1999	5/28/1999	5/29/1999	5/30/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	0-0.5	2-4	4-6	6-8	8-10	10-12
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PAHs									
Benzo[g,h,i]perylene	na	na	na	< 0.0321	NA	NA	NA	NA	NA
SVOCs									
bis(2-Ethylhexyl)phthalate	410	46	2900	0.13	< 0.405	< 0.441	< 0.435	< 0.448	< 0.441

Table A-64
Northern Burning Ground - RI TCLP Metal Results in Soil - 1999

FIELD ID	TCLP	NBGDW1	NBGDW2	NBGDW3	NBGDW4	NBGDW5	NBGDW6	NBGDW7	NBGDW8	NBGDW9	NBGDW10
SAMPLING DATE	REGULATORY	5/26/1999	5/26/1999	8/18/1999	8/17/1999	8/19/1999	8/19/1999	8/19/1999	8/19/1999	8/19/1999	8/19/1999
DEPTH (ft)	LEVELS	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals											
Arsenic	5000	8.8	< 6	< 6	< 6	< 6	< 6	< 6	6.8	< 6	< 6
Barium	100000	601	146	233	219	272	180	238	181	239	118
Cadmium	1000	20.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chromium	5000	6.8	35.6	< 1	2.3	17.4	< 1	23.2	24.1	28.6	1.3
Lead	5000	6400	43.4	11.2	93.3	34.3	35	1920	387	1210	29.9
Selenium	1000	< 4	4.9	< 5	< 5	< 5	< 5	< 5	< 5	5.7	< 5
Silver	5000	1.2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Shading indicates that the value exceeds TCLP criteria

FIELD ID	TCLP	NBGDW11	NBGDW12	NBGDW13
SAMPLING DATE	REGULATORY	8/19/1999	8/19/1999	8/19/1999
DEPTH (ft)	LEVELS	0-4	0-4	0-4
UNITS	ug/L	ug/L	ug/L	ug/L
TCLP Metals				
Arsenic	5000	< 6	< 6	< 6
Barium	100000	564	140	474
Cadmium	1000	11.5	< 1	5.2
Chromium	5000	69.5	19.2	133
Lead	5000	63300	384	5100
Selenium	1000	< 5	< 5	< 5
Silver	5000	< 1	< 1	< 1

Shading indicates that the value exceeds TCLP criteria

Table A-65
Western Burning Ground - Independent Sampling Soil Results - 1997

SITE ID	Comparison Criteria			SS-04	SS-04a	SS-05
SAMPLING DATE				3-JUN-97	3-JUN-97	3-JUN-97
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-0.5	0-0.5	0-0.5
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals						
Aluminum	200000	7800	na	18,700	20,300	13,600
Arsenic	3.8	0.43	0.026	***9.7***	***6.1***	***7.2***
Barium	14000	550	2100	22.4 J	23.8 J	35.6 J
Beryllium	410	16	1200	0.7	0.6	0.6
Calcium	na	na	na	980	702	1,080
Chromium	610	23	42	39.1	37.1	34.4
Cobalt	4100	160	na	12.3	13.6	5.1
Copper	8200	310	11000	57.6	25.6	26.4
Iron	120000	4700	na	47,800	39,100	35,700
Lead	750	400	400	42.9	27.5	310
Magnesium	na	na	na	763	657	524
Manganese	4100	160	950	255	347	188
Nickel	4100	160	na	15.0	18.9	10.2
Potassium	na	na	na	684	674	458
Vanadium	1400	55	5100	73.7	67.6	66.3
Zinc	61000	2300	14000	162	85.7	205

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-65
Western Burning Ground - Independent Sampling Soil Results - 1997

SITE ID	Comparison Criteria			SS-04	SS-04a	SS-05
SAMPLING DATE				3-JUN-97	3-JUN-97	3-JUN-97
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-0.5	0-0.5	0-0.5
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs						
bis(2-Ethylhexyl)phthalat	410	46	2900	0.10 J	0.09 J	0.07 J
Di-n-butylphthalate	20000	780	5000	0.04 J	nd	nd
VOCs						
Acetone	20000	780	2.5	nd	nd	0.004 B
Carbon Disulfide	20000	780	19	0.0008 J	nd	nd
Methylene Chloride	760	85	0.019	0.003 B	0.003 B	0.002 B
PEST/PCB						
Aroclor-1254	2.9	0.32	1.1	0.08	0.05	nd
DIOXINS/FURANS						
1,2,3,6,7,8-HxCDD	na	na	na	0.000001062 J	0.000000503	nd
1,2,3,7,8,9-HxCDD	na	na	na	0.000000567 J	nd	nd
1,2,3,4,6,7,8-HpCDD	na	na	na	0.000021925	0.00001374	0.00001422
1,2,3,4,6,7,8,9-OCDD	na	na	na	0.000835467	0.000514342	0.00067782
1,2,3,4,7,8-HxCDF	na	na	na	nd	nd	0.000000756 J
1,2,3,4,6,7,8-HpCDF	na	na	na	0.000002541 B	0.000001492 B	0.000002285 B
1,2,3,4,6,7,8,9-OCDF	na	na	na	0.00000397 B	0.000002011 B	0.000003306 B
Other TCDF	na	na	na	nd	0.000001169 I	0.000001248 I
Other PeCDF	na	na	na	0.000001176	0.000002388 I	0.000003891 I
Other HxCDF	na	na	na	0.000007154 J	0.000004695 I	0.000015869 I
Other HxCDD	na	na	na	0.000004853 J	0.000003464	0.000003753
Other HpCDF	na	na	na	0.000004247 I	0.000002527 I	0.000004698 I
Other HpCDD	na	na	na	0.000018718	0.00001187	0.000013721
Toxicity Equivalents (Dio	na	na	na	0.000001217	0.000000702	0.000000895

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-66
Western Burning Ground - Independent Sampling Detected Surface Water Results - 1997

SITE ID	Comparison Criteria		SW-01	SW-02
SAMPLING DATE		Tap	5-JUN-97	4-JUN-97
DEPTH (ft)	AWQC	Water	na	na
MATRIX	(Chronic)	RBC	CSW	CSW
UNITS	ug/L	ug/L	ug/L	ug/L
Metals				
Calcium	na	na	73,600	77,200
Iron	1000	2200	nd	297
Lead	2.5	na	nd	2.0
Magnesium	na	na	12,600	13,800
Manganese	na	73	nd	26
Potassium	na	na	2,700	2,610
Sodium	na	na	6,540	22,400
Vanadium	na	0.26	79	75

Shading indicates that the value exceeds the Tap Water RBC at HI = 0.1

Table A-67
Western Burning Ground - Independent Sampling Detected Sediment Results - 1997

SITE ID	Comparison Criteria			SD-01	SD-02	
SAMPLING DATE				4-JUN-97	4-JUN-97	
DEPTH (ft)	Industrial	Residential	SSL Transfers	na	na	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSE	CSE	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Metals						
Aluminum	200000	7800	na	7,760	8,140	
Arsenic	3.8	0.43	0.026	***5.1***	***4.8***	
Barium	14000	550	2100	55.4	68.0	J
Beryllium	410	16	1200	1.1	0.7	
Calcium	na	na	na	9,190	6,110	
Chromium	610	23	42	29.9	20.6	
Cobalt	4100	160	na	5.2	6.5	
Copper	8200	310	11000	28.3	85.1	
Iron	120000	4700	na	18,500	14,200	
Lead	750	400	400	23.5	36.6	
Magnesium	na	na	na	3,260	1,480	
Manganese	4100	160	950	112	245	
Nickel	4100	160	na	10.6	8.8	
Potassium	na	na	na	435	479	
Sodium	na	na	na	118	100	
Thallium	14	0.55	3.6	0.2	0.2	
Vanadium	1400	55	5100	30.7	27.2	
Zinc	61000	2300	14000	69.5	61.2	

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-67
Western Burning Ground - Independent Sampling Detected Sediment Results - 1997

SITE ID	Comparison Criteria			SD-01	SD-02
SAMPLING DATE				4-JUN-97	4-JUN-97
DEPTH (ft)	Industrial	Residential	SSL Transfers	na	na
MATRIX	RBC*	RBC*	Soil to Groundwater	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs					
Benz[a]anthracene	7.8	0.87	1.5	0.09 J	0.10 J
Benzo[a]pyrene	0.78	0.087	0.37	0.09 J	nd
Benzo[b]fluoranthene	7.8	0.87	4.5	0.09 J	0.10 J
Benzo[k]fluoranthene	78	8.7	45	0.09 J	0.10 J
bis(2-Ethylhexyl)phthalate	410	46	2900	0.06 J	0.18 J
Chrysene	780	87	150	0.09 J	0.13 J
Fluoranthene	8200	310	6300	0.3 J	0.2 J
4-Methylphenol	1000	39	na	0.5 J	0.2 J
Phenanthrene	na	na	na	0.12 J	0.15 J
Pyrene	6100	230	680	0.20 J	0.15 J
VOCs					
Acetone	20000	780	2.5	0.056 B	0.078 B
2-Butanone	120000	4700	8	0.015	0.019
Methylene Chloride	760	85	0.019	0.002 B	0.002 B
Toluene	410000	16000	8.8	0.103	0.010 J
PEST/PCB					
4,4'-DDE	17	1.9	35	nd	0.07 R

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-68
Western Burning Ground - RI Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria			WBGSB1A		WBGSB1B		WBGSB2A		WBGSB2B		WBGSB2C		WBGSB3A		WBGSB4A		WBGSB5A	
FIELD ID				WBGSB1A		WBGSB1B		WBGSB2A		WBGSB2B		WBGSB2C		WBGSB3A		WBGSB4A		WBGSB5A	
SAMPLING DATE				5-AUG-98		5-AUG-98		5-AUG-98		5-AUG-98		5-AUG-98		5-AUG-98		5-AUG-98		5-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.0 - 2.0		2.0 - 4.0		0.0 - 2.0		6.0 - 8.0		9.0 - 11.0		0.0 - 1.0		0.0 - 1.5		0.0 - 2.0	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																			
Aluminum	200000	7800	na	12,500		14,200		10,100		12,700		27,000		14,500		13,200		15,300	
Antimony	82	3.1	13	< 0.56		< 0.57		< 0.56		< 0.69		< 0.71		5.3	J	< 0.58		< 0.58	
Arsenic	3.8	0.43	0.026	***9.4***	J	***7.8***	J	***17***	J	***3.7***	J	***5.3***	J	***35.8***		***37.9***		***9.8***	J
Barium	14000	550	2100	210	J	26.9	J	457	J	22.3	B	45.9	J	610	J	584	J	49.6	J
Beryllium	410	16	1200	0.32	J	0.7		0.48	J	2.7		1.4		0.29	J	0.42	J	0.54	J
Cadmium	100	3.9	27	0.45	J	< 0.11		1.9		< 0.14		0.3	J	2.7		0.4	J	< 0.12	
Calcium	na	na	na	33,900		2,570	B	97,300		4,710	B	37,300		47,600		10,600	B	9,430	B
Chromium	610	23	42	***195***		41.5		***233***		28		***64.1***		***249***		34.9		38.2	
Cobalt	4100	160	na	7.2	J	7.8	J	8.7	J	7.9	J	16.4	J	10.9	J	8.3	J	8.6	J
Copper	8200	310	11000	556		18	B	203		14.9	B	13.9	B	1,340		194		53.4	
Iron	120000	4700	na	34,500		27,300		26,300		19,900		28,700		42,900		28,000		39,300	
Lead	750	400	400	***2,070***		179		***2,450***		9.5		13.3		***3,990***		***2,480***		44.5	
Magnesium	na	na	na	18,900		2,490	B	21,000		17,900		58,900		23,200		4,910		3,560	
Manganese	4100	160	950	177		44.9		312		255		247		548		161		139	
Nickel	4100	160	na	11.6	J	12	J	18.6	J	17.7	J	20	J	28.4	J	17.7	J	11.7	J
Potassium	na	na	na	1,100	J	1,040	J	1,950	J	2,860	J	10,600	J	1,620	J	836	J	1,030	J
Silver	1000	39	31	0.23	UJ	0.23	UJ	0.24	B	0.28	UJ	0.28	UJ	0.5	B	0.23	UJ	0.23	UJ
Sodium	na	na	na	111	B	49.1	B	217	B	65.8	B	120	B	384	B	123	B	78.7	B
Thallium	14	0.55	3.6	0.23	UJ	0.23	UJ	0.41	B	0.28	UJ	0.67	B	0.86	B	0.23	UJ	0.23	UJ
Vanadium	1400	55	5100	45.9	J	56.2	J	33.5	J	38.3	J	67.7	J	53.9	J	54	J	70.3	J
Zinc	61000	2300	14000	1,100		57.6	B	2,520		47.4	B	57.3	B	3,250		1,280		126	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-69
Western Burning Ground - RI Detected Organic Results in Soil - 1998

SITE ID	Comparison Criteria			WBGSB3A		WBGSB4A	
FIELD ID				WBGSB3A		WBGSB4A	
SAMPLING DATE				5-AUG-98		5-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-1		0-1.5	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	
SVOCs							
2,4-Dinitrotoluene*	8.4	0.94	na	***0.99***		< 0.38	
2,6-Dinitrotoluene*	8.4	0.94	na	0.067	J	< ***0.38***	
Anthracene	61000	2300	470	< 0.37		0.046	J
Benz[a]anthracene	7.8	0.87	1.5	0.16	J	0.15	J
Benzo[a]pyrene	0.78	0.087	0.37	***0.4***	J	0.33	J
Benzo[b]fluoranthene	7.8	0.87	4.5	0.62	J	0.48	J
Benzo[g,h,i]perylene	na	na	na	0.17	J	0.13	J
Benzo[k]fluoranthene	78	8.7	45	0.51	J	0.4	J
bis(2-Ethylhexyl)phthalate	410	46	2900	0.043	J	0.38	UJ
Carbazole	290	32	0.47	< 0.37		0.049	J
Chrysene	780	87	150	0.24	J	0.22	J
Fluoranthene	8200	310	6300	0.33	J	0.33	J
Indeno[1,2,3-cd]pyrene	7.8	0.87	13	0.15	J	0.13	J
N-Nitrosodiphenylamine	1200	130	0.76	0.062	J	< 0.38	
Phenanthrene	na	na	na	0.12	J	0.19	J
Pyrene	6100	230	680	0.4		0.43	J

Bold outline indicates that the value exceeds the residential RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

* 'Dinitrotoluene mix' RBC values were used.

Table A-70
Western Burning Ground - RI Detected Surface Water Results - 1998

SITE ID	Comparison Criteria		WBGSW1		WBGSW2		WBGSW3	
FIELD ID			WBGSW1		WBGSW2		WBGSW3	
SAMPLING DATE		Tap	16-JUL-98		16-JUL-98		16-JUL-98	
DEPTH (ft)	AWQC	Water	na		na		na	
MATRIX	(Chronic)	RBC	CSW		CSW		CSW	
UNITS	ug/L	ug/L	ug/L		ug/L		ug/L	
Metals								
Aluminum	87	3700	66.6	B	63.0	B	39.2	B
Barium	na	260	79.2	B	73.4	B	54.0	B
Calcium	na	na	61,900	B	56,700	B	66,500	B
Copper	9	150	19.6	B	15.0	B	23.5	B
Iron	1000	2200	307	B	434	B	41.6	B
Magnesium	na	na	15,300	B	14,200	B	12,100	B
Manganese	na	73	10.2	B	18.5	B	2.0	B
Nickel	52	73	1	J	1.5	J	1.0	
Potassium	na	na	2,100	B	2,010	B	1,900	B
Sodium	na	na	29,700		27,800		21,100	
Thallium	na	0.26	5.4	B	2.0	UJ	2.3	B
Zinc	120	1100	21.3	B	21.1	B	23.7	B
SVOCs								
Diethylphthalate	na	2900	1.0	J	< 10		< 10	

Shading indicates that the value exceeds the Tap Water RBC at HI = 0.1

Bold outline indicates that the value exceeds the AWQC

Table A-71
Western Burning Ground - RI Detected Metal Results in Sediment - 1998

SITE ID	Comparison Criteria			WBGSD1		WBGSD2		WBGSD3	
FIELD ID				WBGSD1		WBGSD2		WBGSD3	
SAMPLING DATE				16-JUL-98		16-JUL-98		16-JUL-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.0 - 0.5		0.0 - 0.5		0.0 - 0.5	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSE		CSE		CSE	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg	
Metals									
Aluminum	200000	7800	na	23,100		23,900		6,720	
Arsenic	3.8	0.43	0.026	***10.3***		***10***		***2.9***	
Barium	14000	550	2100	96.7	J	65.2	J	47.3	J
Beryllium	410	16	1200	1.2	B	0.8	B	0.93	B
Calcium	na	na	na	2,450	B	30,400		11,800	B
Chromium	610	23	42	40		***46.8***		26	
Cobalt	4100	160	na	25.1	J	13.5	J	3.2	J
Copper	8200	310	11000	15.4	B	18.8	B	15	B
Iron	120000	4700	na	36,800		33,900		8,530	
Lead	750	400	400	28.1		26.8		18.7	
Magnesium	na	na	na	2,140	B	4,010		1,800	B
Manganese	4100	160	950	721		165		25.9	
Nickel	4100	160	na	17.9	J	17.9	J	7.7	J
Potassium	na	na	na	1,350	J	2,210	J	376	B
Silver	1000	39	31	0.79	B	1.6	B	0.95	B
Sodium	na	na	na	194	B	389	B	398	B
Thallium	14	0.55	3.6	1.7	B	0.54	UJ	0.56	UJ
Vanadium	1400	55	5100	66.2	J	67.3	J	20.1	J
Zinc	61000	2300	14000	38	B	41.8	B	65.9	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-72
Western Burning Ground - RI Detected Organic Results in Sediment - 1998

SITE ID	Comparison Criteria			WBGSD1	WBGSD2	WBGSD3
SAMPLING DATE				16-JUL-98	16-JUL-98	16-JUL-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
MATRIX	RBC*	RBC*	Soil to Groundwater	CSE	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs						
Acetone	20000	780	2.5	0.003 J	< 0.014	0.024 J
Toluene	410000	16000	8.8	0.004	0.047	0.016
SVOCs						
3-Methylphenol	1000	39	na	< 0.42	2.2	< 0.94

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGBC1A	WBGBC1B	WBGSB6A	WBGSB7A	WBGSB8A	WBGSB9A
SAMPLING DATE	Industrial	Residential	SSL Transfers	8/18/1999	8/18/1999	5/26/1999	5/26/1999	5/26/1999	5/26/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	0-2	5-7	0-2	0-2	0-2	0-2
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	200000	7800	na	27900	46500	17100	14700	15800	15500
Antimony	82	3.1	13	1.7 B	2.2 B	< 0.63	< 0.61	1.9 B	< 0.62
Arsenic	3.8	0.43	0.026	***11.2*** K	***11.4*** K	***11.6***	***10***	***17.1***	***14.9***
Barium	14000	550	2100	33.1	105	11.5 L	20.6 L	35.9 L	72.2 L
Beryllium	410	16	1200	0.83 B	2.5	0.61 K	0.52 K	0.65 K	0.78 K
Cadmium	100	3.9	27	< 0.12	0.31 J	0.44	0.3	0.74	0.54
Calcium	na	na	na	3730	4630	533	856	1300	1780
Chromium	610	23	42	39.4	***65.3***	37.7	28.1	***46.6***	***45.7***
Cobalt	4100	160	na	17	17.3	7.1	8.2	7.2	11.9
Copper	8200	310	11000	28.1	43	35.7 K	21.6	40 K	33.8 K
Iron	120000	4700	na	46000	43700	37600	31800	39300	39100
Lead	750	400	400	33.2	18.6	21 J	15.1 J	79.4 J	43.6 J
Magnesium	na	na	na	3990	31300	337	416	688	1100
Manganese	4100	160	950	268	256	70.7 K	87 K	82.8 K	122 K
Mercury	61	2.3	na	0.19	< 0.12	< 0.13	< 0.12	< 0.13	0.21 K
Nickel	4100	160	na	18.4	36	17.9 K	11.5 K	15.1 K	16.2 K
Potassium	na	na	na	1240	5960	488	545	704	684
Selenium	1000	39	19	< 0.59	< 0.59	0.5 UL	0.49 UL	0.51 UL	0.5 UL
Silver	1000	39	31	< 0.12	< 0.12	0.35 B	0.28 B	0.36 B	0.41 B
Sodium	na	na	na	116 B	153 B	120 B	123 B	159 B	148 B
Thallium	14	0.55	3.6	0.82 UJ	0.83 UJ	< 0.88	< 0.85	< 0.89	< 0.87
Vanadium	1400	55	5100	74.9	75.8	82.8 K	61.7 K	86.2 K	82.3 K
Zinc	61000	2300	14000	414	59.5	59.5 K	30.9 K	381 K	96.5 K

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGSB10A	WBGSB11A	WBGSB12	WBGSB13	WBGSB13A	WBGSB14
SAMPLING DATE	Industrial	Residential	SSL Transfers	5/26/1999	5/26/1999	8/18/1999	10/6/1999	10/6/1999	10/6/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	0-2	0-2	0-4	0-2	2-4	0-2
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	200000	7800	na	14800	8570	18300	10600	11700	16000
Antimony	82	3.1	13	< 0.58	< 0.56	1.7 B	< 0.49	< 0.5	< 0.59
Arsenic	3.8	0.43	0.026	***8.5***	***6*** B	***9.8*** K	***6.8*** B	***8*** L	***11.3*** L
Barium	14000	550	2100	30 L	22.9 L	23.8 J	14.7 J	27.8	17.2 J
Beryllium	410	16	1200	0.57 K	0.23 K	0.55 B	0.59 B	1.3 B	0.68 B
Cadmium	100	3.9	27	0.33	< 0.11	< 0.12	< 0.1	< 0.1	< 0.12
Calcium	na	na	na	1630	660	1300	714	1230	826
Chromium	610	23	42	30.6	22.2	35.7	23.9	37.3	32.3
Cobalt	4100	160	na	6	5.8	8.3	6.2	23	17.9
Copper	8200	310	11000	21.1	10.4	20	17.7	18.2	24.6
Iron	120000	4700	na	35000	20400	36400	29000	27800	40300
Lead	750	400	400	11.6	11.6	19	19.3	25.5	33.3
Magnesium	na	na	na	601	319	866	434 J	2510	699
Manganese	4100	160	950	71.3 K	131 K	111	79.9	241	192
Mercury	61	2.3	na	0.21 K	< 0.11	0.2	< 0.1	< 0.1	< 0.11
Nickel	4100	160	na	10.7 K	5.3	12.8	9	13.6	13.8
Potassium	na	na	na	583	444	969	488 J	861	858
Selenium	1000	39	19	0.58 JL	1.2	< 0.61	0.49 UL	0.5 UL	0.59 UL
Silver	1000	39	31	0.28 B	0.13 B	< 0.12	1.5	1.6	< 0.12
Sodium	na	na	na	112 B	119 B	90 B	119 B	102 B	176 B
Thallium	14	0.55	3.6	< 0.81	< 0.78	0.85 UJ	< 0.69	< 0.7	< 0.83
Vanadium	1400	55	5100	63.8 K	39 K	65.9	49.7	52.5	78.5
Zinc	61000	2300	14000	25.7 K	15.2 K	32.8	25.7 K	28.4 K	30.3

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGSB14A		WBGSB15		WBGSB15A		WBGSB16		WBGSB16A		WBGSB17		WBGSB17A	
SAMPLING DATE	Industrial	Residential	SSL Transfers	10/6/1999		10/6/1999		10/6/1999		10/6/1999		10/6/1999		10/6/1999		10/6/1999	
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	2-4		0-2		2-4		0-2		2-4		0-2		2-4	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																	
Aluminum	200000	7800	na	11400		10400		14600		13700		15900		15400		15700	
Antimony	82	3.1	13	< 0.62		< 0.49		< 0.5		< 0.61		< 0.63		< 0.64		< 0.64	
Arsenic	3.8	0.43	0.026	***8.4***	L	***7.4***	B	***9.2***	L	***12.5***	L	***12.5***	L	***11.9***	L	***13***	L
Barium	14000	550	2100	24.4	J	17	J	17.6	J	26.3		20.7	J	19.6	J	17.1	J
Beryllium	410	16	1200	0.69	B	0.67	B	1.1	B	0.96	B	0.93	B	0.77	B	0.81	B
Cadmium	100	3.9	27	< 0.12		< 0.1		< 0.1		< 0.12		< 0.13		< 0.13		< 0.13	
Calcium	na	na	na	1450		643		1250		1300		1420		1130		1430	
Chromium	610	23	42	30.6		24.1		***43.1***		37.5		41.1		39.4		40.4	
Cobalt	4100	160	na	7.7		7.5		10.6		31.4		10.1		11		7.3	
Copper	8200	310	11000	21.8		18.4		27.2		29.8		23.9		27.4		31.4	
Iron	120000	4700	na	31600		30300		42700		46700		42500		44300		48800	
Lead	750	400	400	21.3		18		25.6		44.4		25.3		26.9		26.9	
Magnesium	na	na	na	912		526		372	J	693		12000		698		708	
Manganese	4100	160	950	83.2		92.5		71.5		241		125		119		119	
Mercury	61	2.3	na	< 0.12		< 0.1		0.14	K	< 0.12		< 0.12		< 0.13		< 0.12	
Nickel	4100	160	na	10.7		9.6		19.5		14.4		14.1		13.8		16	
Potassium	na	na	na	788		512		634		690		1030		728		981	
Selenium	1000	39	19	0.62	UL	0.49	UL	0.5	UL	0.61	UL	0.63	UL	0.64	UL	0.64	UL
Silver	1000	39	31	< 0.12		1.8		2		< 0.12		< 0.13		< 0.13		< 0.13	
Sodium	na	na	na	163	B	91.8	B	95.7	B	149	B	163	B	142	B	151	B
Thallium	14	0.55	3.6	< 0.88		< 0.68		< 0.69		< 0.85		< 0.88		< 0.89		< 0.89	
Vanadium	1400	55	5100	62.2		55.7		76.2		81.6		74.9		83.5		88.9	
Zinc	61000	2300	14000	33		23.7	K	31.8	K	54.7		39.7		40.1		53.3	

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGSB18	WBGSB18A	WBGSB19	WBGSB19A	WBGSB20	WBGSB20A	WBGSB21
SAMPLING DATE	Industrial	Residential	SSL Transfers	10/6/1999	10/6/1999	10/6/1999	10/6/1999	10/6/1999	10/6/1999	10/6/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	0-2	2-4	0-2	2-4	0-2	2-4	0-2
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals										
Aluminum	200000	7800	na	15700	12900	14500	8650	20900	15700	11100
Antimony	82	3.1	13	< 0.59	< 0.59	< 0.5	< 0.5	< 0.59	< 0.61	< 0.49
Arsenic	3.8	0.43	0.026	***10.2*** L	***8.1*** L	***5.4*** B	***6.4*** B	***9.9*** L	***14.3*** L	***8.5*** L
Barium	14000	550	2100	18.5 J	16.4 J	20	23	17.5 J	23.9 J	25.5
Beryllium	410	16	1200	0.56 B	0.35 B	1 B	0.53 B	1.1 B	0.66 B	0.71 B
Cadmium	100	3.9	27	< 0.12	< 0.12	< 0.1	< 0.1	< 0.012	< 0.12	< 0.1
Calcium	na	na	na	836	843	760	828	1680	2940	1220
Chromium	610	23	42	38.8	38.7	35.3	22.6	***45.7***	41.3	28.8
Cobalt	4100	160	na	6.3	5.4 J	7.1	8.1	17.7	8.9	8.6
Copper	8200	310	11000	22.9	19.9	21.3	11.9	32.3	27.5	19.3
Iron	120000	4700	na	39700	39800	39200	23400	43400	47100	32300
Lead	750	400	400	19.6	12.6	15.1	18	28.9	23.6	24
Magnesium	na	na	na	609	713	627	481 J	2480	808	784
Manganese	4100	160	950	74.6	47.4	45.7	129	119	148	158
Mercury	61	2.3	na	< 0.12	< 0.12	< 0.1	< 0.1	0.16 K	0.18 K	< 0.1
Nickel	4100	160	na	12.6	7.6	12.2	6.7	20	14.4	9.4
Potassium	na	na	na	534 J	708	670	652	1420	973	442 J
Selenium	1000	39	19	0.59 UL	0.59 UL	0.5 UL	0.5 UL	0.59 UL	0.61 UL	0.49 UL
Silver	1000	39	31	< 0.12	< 0.12	2.2	1.4	< 0.12	< 0.12	1.7
Sodium	na	na	na	134 B	126 B	104 B	92.7 B	131 B	154 B	95.2 B
Thallium	14	0.55	3.6	< 0.83	< 0.82	< 0.69	< 0.7	< 0.82	< 0.85	< 0.68
Vanadium	1400	55	5100	80.6	71	70.2	42.1	84.6	92.3	57.3
Zinc	61000	2300	14000	29.2	16.9	28.1 K	17.6 K	38.2	38.3	33.7 K

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGSB21A	WBGTP1A	WBGTP1B	WBGTP1B2	WBGTP1S	WBGTP1SB	WBGTP2A
SAMPLING DATE	Industrial	Residential	SSL Transfers	10/6/1999	6/22/1999	6/23/1999	7/23/1999	6/22/1999	6/23/1999	6/22/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	2-4	2.5-3	3-3.5	3.5-4	1-1.5	1-1.5	2.5-3
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals										
Aluminum	200000	7800	na	14600	11700	9950	10300	10000	8270	8450
Antimony	82	3.1	13	0.61 J	< 0.62	< 0.63	1.3 B	< 0.63	< 0.57	< 0.62
Arsenic	3.8	0.43	0.026	***11.6*** L	***6.5*** B	***6*** B	***5.4*** B	***4.2*** B	***4.4*** B	***3.8*** B
Barium	14000	550	2100	22 J	24.4	38.6	56	21.5 J	25.4	17 J
Beryllium	410	16	1200	0.75 B	0.77 B	0.85 B	0.91 B	0.36 B	0.29 B	0.49 B
Cadmium	100	3.9	27	< 0.12	< 0.12	< 0.13	< 0.12	< 0.13	< 0.11	< 0.12
Calcium	na	na	na	1360	1420	1840	7020	990	912	2030
Chromium	610	23	42	34.8	38.6 K	***47.9*** K	***69.6***	25 K	22 K	24.9 K
Cobalt	4100	160	na	10	11.8 K	7.8	7.1 K	8.5	6.2	7.9
Copper	8200	310	11000	26.5	23.5	22.5	26.1 K	12.2	11.8	16.7
Iron	120000	4700	na	40600	36400	30200	30100	25000	21100	25200
Lead	750	400	400	24	34	231	***808***	14.8	17.9	25.4
Magnesium	na	na	na	605	836	2340	4020	462 J	458 J	771
Manganese	4100	160	950	127	123 K	109 K	144	117 K	123 K	125 K
Mercury	61	2.3	na	< 0.12	< 0.12	< 0.13	< 0.12	0.21	< 0.11	0.2
Nickel	4100	160	na	13.8	11.1 J	10.3 J	10 K	4.4 J	4.2 J	7.1 J
Potassium	na	na	na	629	766	1010	1020 J	438 J	335 J	678
Selenium	1000	39	19	0.59 UL	< 0.5	0.61 K	0.61 UL	< 0.5	< 0.45	0.58 J
Silver	1000	39	31	< 0.12	< 0.12	< 0.13	0.24 B	< 0.13	< 0.11	< 0.12
Sodium	na	na	na	124 B	194 B	61.6 B	23.7 B	122 B	45.2 B	133 B
Thallium	14	0.55	3.6	< 0.82	< 0.87	< 0.88	< 0.85	< 0.88	< 0.79	< 0.87
Vanadium	1400	55	5100	77.5	69.3 K	52.3 K	57.4 K	47.7 K	35.7 K	49.4 K
Zinc	61000	2300	14000	40	29 K	86.6 K	311 J	22.1 K	26.5 K	25.1 K

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGTP2B	WBGTP2S	WBGTP3A	WBGTP3S	WBGTP4A	WBGTP4B	WBGTP4S
SAMPLING DATE	Industrial	Residential	SSL Transfers	6/22/1999	6/22/1999	6/23/1999	6/23/1999	6/24/1999	6/24/1999	6/24/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	3-3.5	1-1.5	2.5-3	1-1.5	2.5-3	2-2.5	0.5-1
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals										
Aluminum	200000	7800	na	6910	11600	16700	11200	14700	15000	14300
Antimony	82	3.1	13	< 0.58	< 0.61	< 0.59	< 0.59	< 0.63	< 0.61	< 0.61
Arsenic	3.8	0.43	0.026	***1.7*** B	***7.3***	***9.8***	***5.4*** B	***9.7*** K	***9.2*** K	***9.4*** K
Barium	14000	550	2100	13.7 J	52.5	51.8	22.9 J	25.7	26.8	15.2
Beryllium	410	16	1200	0.24 B	0.67 B	1.2 B	0.52 B	0.44 B	0.29 B	0.3 B
Cadmium	100	3.9	27	< 0.12	0.2 K	0.28 K	< 0.12	< 0.13	< 0.12	< 0.12
Calcium	na	na	na	1860	3640	7190	2650	1640	2890	657
Chromium	610	23	42	23.3 K	41.3 K	***45.2*** K	35.8 K	41.1	36.4	34.6
Cobalt	4100	160	na	2.3 J	9.5 K	16.1 K	9	13.3	8.4	6.6
Copper	8200	310	11000	10	66 K	34.1 K	20.3	25.2 K	23.1 K	24.6 K
Iron	120000	4700	na	16400	30900	36300	32300	38900	34700	39500
Lead	750	400	400	54.8	173	137	19.5	39.6	36.8	19.9
Magnesium	na	na	na	521 J	2170	4150	890	1170	1350	510
Manganese	4100	160	950	38.5 K	149 K	160 K	81.9 K	132	92	74
Mercury	61	2.3	na	< 0.11	0.13	< 0.12	< 0.12	< 0.13	< 0.12	< 0.12
Nickel	4100	160	na	2.6 J	10.8 J	15.9 J	11.7 J	12.2	9.9	10.2
Potassium	na	na	na	382 J	741	1750	418 J	835 J	1090 J	573 J
Selenium	1000	39	19	< 0.47	< 0.49	< 0.47	0.52 K	< 0.5	< 0.49	< 0.49 K
Silver	1000	39	31	< 0.12	< 0.12	< 0.12	< 0.12	< 0.13	< 0.12	< 0.12
Sodium	na	na	na	109 B	130 B	81.6 B	46.5 B	75.5 B	99.1 B	68 B
Thallium	14	0.55	3.6	< 0.81	< 0.86	< 0.83	1.2 J	< 0.88	< 0.86	< 0.85
Vanadium	1400	55	5100	44.7 K	55.7 K	57.4 K	50.1 K	69.7	63.7	71
Zinc	61000	2300	14000	18.5 K	214 K	309 K	178 K	40.7	57	132

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGTP5A	WBGTP5B	WBGTP6A	WBGTP7A	WBGTP7B	WBGTP7S	WBGTP8A
SAMPLING DATE	Industrial	Residential	SSL Transfers	6/24/1999	6/24/1999	6/23/1999	7/13/1999	7/14/1999	7/14/1999	7/13/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	2.5-3	2.5-3	2.5-3	2.5-3	7/15/1999	1-1.5	3-3.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	7/16/1999	mg/kg	mg/kg
Metals										
Aluminum	200000	7800	na	14300	15200	9480	11800	9090	15300	13300
Antimony	82	3.1	13	< 0.6	< 0.62	< 0.68	< 0.63	< 0.62	< 0.64	< 0.62
Arsenic	3.8	0.43	0.026	***7.2*** B	***8.3*** K	***3.7*** B	***4.5*** B	***2.8*** B	***7.8*** B	***4.3*** B
Barium	14000	550	2100	24.4	29.5	18.9 J	24.3 J	22.5 J	14 J	22.4 J
Beryllium	410	16	1200	0.16 B	0.26 B	< 0.14	0.29 B	< 0.12	0.23 B	0.3 B
Cadmium	100	3.9	27	< 0.12	< 0.12	< 0.14	< 0.13	< 0.12	< 0.13	< 0.12
Calcium	na	na	na	1060	2610	1170	1440	1320	755	1270
Chromium	610	23	42	30.7	34.1	29 K	33	17.7 K	38.8	30.3
Cobalt	4100	160	na	6.9	8.3	1.9 J	6.3 K	2.7 K	4.3 K	3.2 K
Copper	8200	310	11000	16.7 K	23 K	12.6	16.2 K	9.2	20.5 K	15.2
Iron	120000	4700	na	29900	32200	22800	25900	16700	36700	24800
Lead	750	400	400	14.1	32.6	9.3	81.4	17.4	11.5	9.4
Magnesium	na	na	na	689	1290	549 J	943	765	522 J	1050
Manganese	4100	160	950	83.1	85.1	21.3 K	60.7	48.1	46.3	39.5
Mercury	61	2.3	na	< 0.12	< 0.12	0.21	< 0.13	< 0.12	< 0.13	< 0.12
Nickel	4100	160	na	8	10.3	2.5 J	5.1	2.8 J	6.1	5.9
Potassium	na	na	na	1120 J	1110 J	1250	807 J	1070 J	1300 J	942 J
Selenium	1000	39	19	< 0.48	< 0.49 K	0.72 K	< 0.51	< 0.62	< 0.64	< 0.5
Silver	1000	39	31	< 0.12	< 0.12	< 0.14	0.14 B	< 0.12	0.24 B	0.22 B
Sodium	na	na	na	111 B	106 B	59 B	166 B	249 B	236 B	198 B
Thallium	14	0.55	3.6	< 0.83	< 0.86	< 0.95	< 0.89	< 0.87	< 0.9	< 0.87
Vanadium	1400	55	5100	56.3	60.5	42.3 K	51.8 K	36.5 K	91.1 K	56.1 K
Zinc	61000	2300	14000	26.2	58.4	25.3 K	63.6	17.2 K	25.6 K	95.4

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGTP8B	WBGTP9A	WBGTP9S	WBGTP10A	WBGTP10B	WBGTP10S	WBGTP11A
SAMPLING DATE	Industrial	Residential	SSL Transfers	7/13/1999	6/24/1999	6/24/1999	7/15/1999	7/15/1999	7/15/1999	7/15/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	3-3.5	2.5-3	1-1.5	2.5-3	2.5-3	0.5-1	2.5-3
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals										
Aluminum	200000	7800	na	10400	10400	12300	10800	7520	13300	5760
Antimony	82	3.1	13	< 0.6	< 0.61	< 0.59	< 0.57	< 0.57	< 0.61	< 0.55
Arsenic	3.8	0.43	0.026	***3.4*** B	***9.7*** K	***9.5*** K	***7.3*** B	***2.6*** B	***13***	***2.7*** B
Barium	14000	550	2100	21.6 J	184	28.9	33.2	14.7 J	15.3 J	20 J
Beryllium	410	16	1200	0.37 B	0.14 B	0.29 B	0.49 B	< 0.11	0.55 B	0.12 B
Cadmium	100	3.9	27	< 0.12	0.75	< 0.12	< 0.11	< 0.11	< 0.12	< 0.11
Calcium	na	na	na	1710	29200	2010	2090	1430	796	1040
Chromium	610	23	42	23.8	34.5	34	28.9	13.5 K	36.6	12.5 K
Cobalt	4100	160	na	6.2 K	6.1 J	8.8	7.7 K	1.4 K	10 K	2.3 K
Copper	8200	310	11000	19.1 K	122 K	45.1 K	20.3 K	8.2 K	26.1 K	7.1 K
Iron	120000	4700	na	26400	25800	39500	30600	14300	44100	13400
Lead	750	400	400	15.6	265	33.3	26	8.9	23.2	7.9
Magnesium	na	na	na	1120	4640	511	856	475 J	381 J	408 J
Manganese	4100	160	950	98.3	152	157	99.1	27.2 K	208	42.4 K
Mercury	61	2.3	na	< 0.12	< 0.12	< 0.11	< 0.12	< 0.11	< 0.12	< 0.11
Nickel	4100	160	na	5.8	10.1	10 B	7.5	1.3 J	11.3	1.8 J
Potassium	na	na	na	796 J	866 J	452 J	1370 J	465 J	830 J	930 J
Selenium	1000	39	19	< 0.48	< 0.49	< 0.47 K	< 0.57	< 0.57	< 0.61	< 0.55
Silver	1000	39	31	0.12 B	0.14	< 0.12	0.21 B	0.16 B	0.29 B	< 0.11
Sodium	na	na	na	169 B	116 B	58 B	183 B	158 B	148 B	150 B
Thallium	14	0.55	3.6	< 0.84	< 0.86	< 0.82	< 0.79	0.82 J	< 0.85	< 0.77
Vanadium	1400	55	5100	43 K	48.2	62.3	58.4 K	29.6 K	77.1 K	28 K
Zinc	61000	2300	14000	72.8	685 L	689	45.5	22.7 K	113	16 K

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGTP11B	WBGTP12A	WBGTP12S	WBGTP13A	WBGTP13B	WBGTP13S
SAMPLING DATE	Industrial	Residential	SSL Transfers	7/15/1999	7/15/1999	7/15/1999	7/22/1999	7/22/1999	7/22/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	2.5-3	2.5-3	0.5-1	1.5-2	1-1.5	1.5-2
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	200000	7800	na	13800	9390	11300	9150	11000	18700
Antimony	82	3.1	13	< 0.58	< 0.56	< 0.61	0.71 B	1.2 B	1.3 B
Arsenic	3.8	0.43	0.026	***8.2***	***7.5*** B	***8.7***	***3.8*** B	***4.9*** B	***5.3*** B
Barium	14000	550	2100	95.9	132	108	21.7 J	24.3	73.1
Beryllium	410	16	1200	0.71 B	0.34 B	0.49 B	0.31 B	0.79 B	2.5 J
Cadmium	100	3.9	27	0.22 K	0.36 K	0.19 K	< 0.12	< 0.12	< 0.11
Calcium	na	na	na	15700	29000	2610	2870	2330	7740
Chromium	610	23	42	35.1	23.4	37.3	***46.2***	***42.4***	***45.8***
Cobalt	4100	160	na	6.8 K	5.6 K	8.9 K	3.2 K	21.1 K	20.1 K
Copper	8200	310	11000	63.6	55.8	108	19.3 K	24 K	26.3 K
Iron	120000	4700	na	27300	19700	33600	32100	39200	34200
Lead	750	400	400	89.7	161	116	135	113	140
Magnesium	na	na	na	6330	7470	1340	1090	1050	10500
Manganese	4100	160	950	113	115	152	72.8	152	297
Mercury	61	2.3	na	< 0.11	< 0.11	< 0.12	< 0.12	< 0.12	< 0.12
Nickel	4100	160	na	11.6	7.3	10.6	4 K	9.4 K	27.6 K
Potassium	na	na	na	1560 J	1050 J	544 J	441 J	639 J	1860 J
Selenium	1000	39	19	< 0.58	< 0.56	< 0.61	0.59 UL	0.6 UL	0.56 UL
Silver	1000	39	31	0.18 B	0.16 B	0.26 B	0.26 B	0.72 B	< 0.11
Sodium	na	na	na	201 B	212 B	165 B	148 B	139 B	162 B
Thallium	14	0.55	3.6	< 0.81	< 0.78	< 0.85	< 0.83	< 0.85	< 0.79
Vanadium	1400	55	5100	48.4 K	38.4 K	63.1 K	56.2 K	68.3 K	63.6 K
Zinc	61000	2300	14000	172	305	613	90.2 J	48.5 J	42.3 J

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGTP14A		WBGTP14B		WBGTP15A		WBGTP16A		WBGTP16A2		WBGTP17A	
SAMPLING DATE	Industrial	Residential	SSL Transfers	7/22/1999		7/22/1999		7/15/1999		7/22/1999		9/14/1999		7/22/1999	
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	2-2.5		1.5-2		1.5-2		0.5-1		0.5-1		0.5-1	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals															
Aluminum	200000	7800	na	11400		25400		8690		12100		9020		15200	
Antimony	82	3.1	13	< 0.65		1.5	B	< 0.59		1	B	1.2	B	1.1	B
Arsenic	3.8	0.43	0.026	***5.1***	B	***10.7***	K	***4***	B	***5.5***		***8.1***	K	***6.5***	B
Barium	14000	550	2100	19.7	J	47.5		26.7		12.2	J	69.4		14.5	J
Beryllium	410	16	1200	0.69	B	1.7	J	0.24	B	0.59	B	3.4		0.96	B
Cadmium	100	3.9	27	< 0.13		< 0.16		< 0.12		< 0.13		< 0.11		< 0.13	
Calcium	na	na	na	2660		9800		1750		1400		4670		2200	
Chromium	610	23	42	31.7		***67***		22.4		***47.4***		22		***45***	
Cobalt	4100	160	na	7.8	K	10.5	K	2.2	K	7	K	18.7		10.2	K
Copper	8200	310	11000	27	K	36	K	10.1	K	21.1	K	31.6		30.7	K
Iron	120000	4700	na	37700		52400		17100		36200		32700		47700	
Lead	750	400	400	42.4		41		12.1	K	***681***		34.2		21.9	
Magnesium	na	na	na	939		14000		1900		608	J	2810		509	J
Manganese	4100	160	950	94.7		157		59		57.3		911		65.9	
Mercury	61	2.3	na	< 0.13		< 0.16		< 0.12		< 0.13		0.24		< 0.11	
Nickel	4100	160	na	9.1	K	21.1	K	2.3	J	7.7	K	37		15.2	K
Potassium	na	na	na	1030	J	3340	J	599	J	581	J	501	J	431	J
Selenium	1000	39	19	0.65	UL	0.8	UL	0.59		0.63	UL	0.56	UL	0.63	UL
Silver	1000	39	31	0.17	B	0.17	B	0.15	B	< 0.13	B	0.11	UL	0.24	B
Sodium	na	na	na	< 1		23.2	B	162	B	144	B	119	B	150	B
Thallium	14	0.55	3.6	< 0.91		< 1.1		< 0.83		< 0.89		0.78	UL	< 0.88	
Vanadium	1400	55	5100	65.9	K	96.4	K	37.3	K	67.9	K	51.6		87.9	K
Zinc	61000	2300	14000	93.4	J	85.6	J	23.3	K	80.6	J	173		46.9	J

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGTP18A		WBGTP18S		WBGTP19A		WBGTP19S	
SAMPLING DATE	Industrial	Residential	SSL Transfers	7/22/1999		7/22/1999		7/29/1999		7/29/1999	
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	1-1.5		1-1.5		2.5-3		2.5-3	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
Metals											
Aluminum	200000	7800	na	23800		12300		13500		12400	
Antimony	82	3.1	13	1.4	B	0.7	B	< 0.62		< 0.64	
Arsenic	3.8	0.43	0.026	***4.7***	B	***7***	B	***9.6***		***8.8***	
Barium	14000	550	2100	69.2		38		31.3		36.5	
Beryllium	410	16	1200	3.9	J	0.88	B	0.81	B	0.86	B
Cadmium	100	3.9	27	< 0.14		< 0.12		< 0.12		< 0.13	
Calcium	na	na	na	3600		1460		1500		1750	
Chromium	610	23	42	***72.8***		32.1		30.3		33.5	
Cobalt	4100	160	na	28.4	K	10.3	K	10.1		14.1	
Copper	8200	310	11000	35.7	K	28.4	K	23.6		26.1	
Iron	120000	4700	na	52900		34700		34800		34800	
Lead	750	400	400	27.4		40.2		15.7		27.5	
Magnesium	na	na	na	5450		1330		1020		920	
Manganese	4100	160	950	146		170		105		150	
Mercury	61	2.3	na	< 0.14		< 0.12		< 0.12		< 0.13	
Nickel	4100	160	na	37.3	K	9.7	K	11.4		12.5	
Potassium	na	na	na	988	J	562	J	655		618	J
Selenium	1000	39	19	0.7	UL	0.62	UL	< 0.62		< 0.64	
Silver	1000	39	31	< 0.14		0.13	B	< 0.12		< 0.13	
Sodium	na	na	na	193	B	138	B	246	B	236	
Thallium	14	0.55	3.6	< 0.98		< 0.88		< 0.86		< 0.9	
Vanadium	1400	55	5100	99.4	K	59.8	K	55.5		56.4	
Zinc	61000	2300	14000	44.3	J	60.5	J	19.1		36.3	

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-74
Western Burning Ground - RI Detected PAH and SVOC Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGBC1A	WBGSB7A	WBGSB8A	WBGSB9A	WBGSB10A	WBGSB11A
SAMPLING DATE	Industrial	Residential	SSL Transfers	8/18/1999	5/26/1999	5/26/1999	5/26/1999	5/26/1999	5/26/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	0-2	0-2	0-2	0-2	0-2	0-2
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PAHs									
Benzo[b]fluoranthene	7.8	0.87	4.5	NA	< 0.0305	< 0.032	0.029 J	< 0.03	< 0.0282
Pyrene	6100	230	680	NA	< 0.0259	< 0.0272	0.046 J	< 0.0255	< 0.024
SVOCs									
Di-n-butylphthalate	20000	780	5000	< 0.361	0.054 B	< 0.39	0.07 B	0.072 B	0.13 B
4-Isopropyltoluene	na	na	na	NA	< 0.0011	0.0048	< 0.0011	< 0.0011	< 0.001
bis(2-Ethylhexyl)phthalate	410	46	2900	0.044	< 0.37	< 0.39	< 0.38	< 0.366	< 0.345

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-74
Western Burning Ground - RI Detected PAH and SVOC Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGTP1A	WBGTP1SB	WBGTP2A	WBGTP2B	WBGTP2S	WBGTP3A
SAMPLING DATE	Industrial	Residential	SSL Transfers	6/22/1999	6/23/1999	6/22/1999	6/22/1999	6/22/1999	6/23/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	2.5-3	1-1.5	2.5-3	3-3.5	1-1.5	2.5-3
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PAHs									
Benzo[b]fluoranthene	7.8	0.87	4.5	< 0.41	< 0.38	< 0.41	< 0.39	< 0.4	0.066 J
Pyrene	6100	230	680	< 0.41	< 0.38	< 0.41	< 0.39	< 0.4	< 0.39
SVOCs									
Di-n-butylphthalate	20000	780	5000	0.36 B	0.21 B	0.42 B	0.24 B	< 0.4	< 0.39
4-Isopropyltoluene	na	na	na	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	410	46	2900	< 0.41	< 0.38	< 0.41	< 0.39	< 0.4	< 0.39

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-74
Western Burning Ground - RI Detected PAH and SVOC Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGTP3S	WBGTP6A	WBGTP9A	WBGTP9S	WBGTP10S
SAMPLING DATE	Industrial	Residential	SSL Transfers	6/23/1999	6/23/1999	6/24/1999	6/24/1999	7/15/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	1-1.5	2.5-3	2.5-3	1-1.5	0.5-1
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PAHs								
Benzo[b]fluoranthene	7.8	0.87	4.5	< 0.4	< 0.45	0.042	< 0.12	< 0.366
Pyrene	6100	230	680	< 0.4	< 0.45	< 0.012	< 0.011	< 0.366
SVOCs								
Di-n-butylphthalate	20000	780	5000	0.2 B	0.17 B	< 0.032	0.094 B	0.041 B
4-Isopropyltoluene	na	na	na	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	410	46	2900	< 0.4	< 0.45	< 0.076	0.058	< 0.366

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-75
Western Burning Ground - RI Detected Dioxin/Furan Results in Soil - 1999

FIELD ID	Comparison Criteria			WBGTP2B	WBGTP7A	WBGTP10B	WBGTP12A	WBGTP12S	WBGTP18A	WBGTP19A
SAMPLING DATE	Industrial	Residential	SSL Transfers	6/22/1999	7/13/1999	7/15/1999	7/15/1999	7/15/1999	7/22/1999	7/29/1999
DEPTH (ft)	RBC*	RBC*	Groundwater	3-3.5	2.5-3	2.5-3	2.5-3	0.5-1	1-1.5	2.5-3
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Dioxin/Furans										
Total TCDF	na	na	na	0.00000015	0.0000562	0.00000037	0.0000258	0.0000291	0.00000053	0.00000048
Total PeCDD	na	na	na	0.0000355	0.0000107	0.00000318	0.0000174	0.0000161	0.00000562	0.00000158 B
Total PeCDF	na	na	na	0.00000085	0.0000542	0.00000165	0.0000214	0.0000183	0.00000068	0.00000102
Total HpCDF	na	na	na	0.00000042	0.0000647	0.00000344	0.0000471	0.0000285	0.00000044	0.00000047 B
Total TCDD	na	na	na	0.0000032	0.00000978	0.00000024	0.00000669	0.0000049	0.0000011	0.00000058 B
Total HxCDF	na	na	na	0.00000087	0.0000473	0.00000125 B	0.0000235	0.0000131	0.00000117	0.00000072 B
Total HxCDD	na	na	na	0.0002	0.000045	0.0000166	0.000059	0.0000409	0.0000234	0.0000045
1,2,3,4,6,7,8-HpCDD	na	na	na	0.000243	0.000133	0.0000452	0.000128	0.000145	0.0000548	0.000039 B
1,2,3,4,6,7,8-HpCDF	na	na	na	0.00000042	0.0000256	0.00000137	0.0000226	0.0000132	0.00000044	0.00000036 B
1,2,3,4,7,8,9-HpCDF	na	na	na	< 0.0000001	0.00000151	< 0.0000002	0.00000105	0.00000098	< 0.00000011	0.00000011 B
1,2,3,4,7,8-HxCDD	na	na	na	0.00000723	0.00000168	0.00000088	0.00000236	0.00000209 J	0.00000092	0.00000051
1,2,3,6,7,8-HxCDD	na	na	na	0.000023	0.00000389	0.00000131	0.0000063	0.00000503	0.00000176	0.00000096
1,2,3,7,8,9-HxCDD	na	na	na	0.0000181	0.00000325	0.0000017	0.00000623	0.00000412	0.00000409	0.00000092
1,2,3,4,7,8-HxCDF	na	na	na	< 0.00000006	0.00000181	0.00000041	0.00000179	0.00000145 J	0.00000013	0.00000013 B
1,2,3,6,7,8-HxCDF	na	na	na	< 0.00000006	0.00000218	0.00000029	0.00000158	0.00000115	0.00000009	0.00000011 B
1,2,3,7,8,9-HxCDF	na	na	na	< 0.00000007	0.00000052	< 0.00000014	0.00000054	< 0.0000005	< 0.00000008	< 0.00000005
Total HpCDD	na	na	na	0.000523	0.000278	0.000109	0.00026	0.000296	0.000141	0.0000755 B
2,3,4,6,7,8-HxCDF	na	na	na	< 0.00000006	0.00000342	0.00000021	0.00000185	0.0000015	0.0000001	0.00000011 B
OCDD	na	na	na	0.00721 J	0.00648 J	0.00543 J	0.0055 J	0.0083 J	0.0032	0.00436 J
OCDF	na	na	na	0.00000127	0.0000472	0.00000186 B	0.0000254	0.0000181	0.00000125	0.00000054 B
1,2,3,7,8-PeCDD	na	na	na	0.00000685	0.00000141	0.00000057	0.00000183	0.00000168	0.00000081	0.0000005 B
1,2,3,7,8-PeCDF	na	na	na	< 0.00000005	0.00000144	0.00000038	0.00000121	0.00000124	0.00000011	0.00000009 B
2,3,4,7,8-PeCDF	na	na	na	< 0.00000005	0.00000155	0.00000049	0.00000185	0.00000172	0.00000014	0.00000015 B
2,3,7,8-TCDD	0.000038	0.0000043	0.0000086	0.00000047	0.00000417	0.00000024	0.00000054	0.00000053	0.00000032	0.00000045 B
2,3,7,8-TCDF	na	na	na	< 0.00000007	0.00000225	0.00000044	0.00000166	0.00000184	0.00000012	0.00000008

Table A-76
Western Burning Ground - RI Detected Surface Water Results - 1999

FIELD ID	Comparison Criteria		WBGSW4	WBGSW5	WBGSW6
SAMPLING DATE	AWQC	Tap Water	5/27/1999	5/28/1999	5/29/1999
DEPTH (ft)	(Chronic)	RBC	na	na	na
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
Metals					
Aluminum	87	3700	232 B	67.9 B	91.8 B
Arsenic	150	0.045	< 6	8.6 B	10.4 K
Barium	na	260	56.4 J	63.1 L	63.9 J
Beryllium	na	7.3	1.1 B	< 1	< 1
Calcium	na	na	70300	73400	71100
Copper	9	150	20.2 K	4.1 B	2.2 K
Iron	1000	2200	261 J	88 B	180
Lead	2.5	na	2 UL	4 B	2 UL
Magnesium	na	na	12900	14900	15000
Manganese	na	73	24	14.1 K	11.4 J
Potassium	na	na	2090 J	2090	2090 J
Silver	3.4*	18	1.2 K	< 1	1 K
Sodium	na	na	25700	35000	37100
Vanadium	na	26	1.2 K	1.2 B	1.1 K
Zinc	120	1100	21.3 K	18.4 B	19.3 K
SVOCs					
Di-n-butylphthalate	na	370	< 10	0.13 B	< 10

Shading indicates that the value exceeds the Tap Water RBC at HI = 0.1
Bold outline indicates that the value exceeds the AWQC.
* Acute AWQC value; Chronic AWQC value not available

Table A-77
Western Burning Ground - RI Detected Sediment Results - 1999

FIELD ID	Comparison Criteria			WBGSD4	WBGSD5	WBGSD5-2	WBGSD6
SAMPLING DATE	Industrial	Residential	SSL Transfers	5/27/1999	5/27/1999	6/16/1999	5/27/1999
DEPTH (ft)	RBC*	RBC*	Soil to Groundwater	0-0.5	0-0.5	0-0.5	0-0.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals							
Aluminum	200000	7800	na	6730	5790	13800	6010
Antimony	82	3.1	13	1.2 B	< 1.8	< 1.6	1.7 B
Arsenic	3.8	0.43	0.026	***3.3*** B	***5.3*** B	***3.9*** B	***4.2*** B
Barium	14000	550	2100	46.2 L	72.1 L	67 J	50.1 L
Beryllium	410	16	1200	0.71 K	0.45 K	0.33 UL	0.54 K
Calcium	na	na	na	15700	70800	56300	22300
Chromium	610	23	42	21.9	39.3	***96.9***	25
Cobalt	4100	160	na	10.2	5.5	8.3 J	7.3
Copper	8200	310	11000	18.6 K	24.4	19.8 K	28.7 K
Iron	120000	4700	na	15300	12700	20100	15500
Lead	750	400	400	20.8 J	347 J	***899***	29.5 J
Magnesium	na	na	na	1780	3170	4350	1720
Manganese	4100	160	950	121 K	155 K	144	238 K
Nickel	4100	160	na	8.7 K	5 K	11.2 J	7 K
Potassium	na	na	na	448	568	1110 J	440
Selenium	1000	39	19	0.93 UL	1.4 UL	< 1.3	1.3 L
Sodium	na	na	na	292 B	577 B	422 B	516 B
Vanadium	1400	55	5100	33 K	23.6 K	34.8	31.4 K
Zinc	61000	2300	14000	30.5 K	104 K	209	42 K
SVOCs							
bis(2-Ethylhexyl)phthalate	410	46	2900	< 0.698	0.15	NA	< 0.938

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-78
Rail Yard - Independent Sampling Detected Soil Results - 1997

SITE ID	Comparison Criteria			SS-07		SS-08
SAMPLING DATE				4-JUN-97		4-JUN-97
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-0.5		0-0.5
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg
Metals						
Aluminum	200000	7800	na	338		18,100
Arsenic	3.8	0.43	0.026	***1.8***		***20.8***
Barium	14000	550	2100	1,770	J	147
Beryllium	410	16	1200	nd		1.3
Cadmium	100	3.9	27	nd		1.8
Calcium	na	na	na	196,000		28,500
Chromium	610	23	42	nd		39.8
Cobalt	4100	160	na	nd		25.8
Copper	8200	310	11000	nd		60.2
Iron	120000	4700	na	2,780		39,600
Lead	750	400	400	1.8		149
Magnesium	na	na	na	104,000		15,200
Manganese	4100	160	950	94		203
Nickel	4100	160	na	nd		17.5
Potassium	na	na	na	nd		1,110
Thallium	14	0.55	3.6	nd		0.4
Vanadium	1400	55	5100	31.8		75.9
Zinc	61000	2300	14000	12.5		752

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-78
Rail Yard - Independent Sampling Detected Soil Results - 1997

SITE ID	Comparison Criteria			SS-07	SS-08
SAMPLING DATE				4-JUN-97	4-JUN-97
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-0.5	0-0.5
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs					
Benz[a]anthracene	7.8	0.87	1.5	nd	0.08 J
Benzo[a]pyrene	0.78	0.087	0.37	nd	0.08 J
Benzo[b]fluoranthene	7.8	0.87	4.5	nd	0.08 J
Benzo[k]fluoranthene	78	8.7	45	nd	0.09 J
bis(2-Ethylhexyl)phthalate	410	46	2900	1.81	0.10 J
Chrysene	780	87	150	nd	0.09 J
Di-n-butylphthalate	20000	780	5000	nd	1.07
2,4-Dinitrotoluene	410	16	0.57	nd	0.4 J
Fluoranthene	8200	310	6300	nd	0.3 J
2-Methylnaphthalene	4100	160	22	nd	0.04 J
Phenanthrene	na	na	na	nd	0.1 J
Pyrene	6100	230	680	nd	0.1 J
VOCs					
Methylene Chloride	760	85	0.019	0.0007 B	0.003 B
PEST/PCB					
alpha-Chlordane	16	1.8	0.092	nd	0.03 J
Aroclor-1254	2.9	0.32	1.1	nd	***1.7***
4,4'-DDE	17	1.9	35	nd	0.03 R
Dieldrin	0.36	0.04	0.0022	nd	***0.02*** R
Endrin aldehyde	na	na	na	nd	0.04
Explosives					
2,6-Dinitrotoluene	200	7.8	0.25	nd	***0.32*** C

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-79
Rail Yard - Independent Sampling Detected Sludge Results - 1997

SITE ID	Comparison Criteria			SL-05	
SAMPLING DATE				4-JUN-97	
DEPTH (ft)	Industrial	Residential	SSL Transfers	na	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSE	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	
Metals					
Aluminum	200000	7800	na	8,190	
Antimony	82	3.1	13	1.0	
Arsenic	3.8	0.43	0.026	***22.3***	
Barium	14000	550	2100	69.1	J
Beryllium	410	16	1200	1.1	
Calcium	na	na	na	14,900	
Chromium	610	23	42	***103***	
Cobalt	4100	160	na	26.8	
Copper	8200	310	11000	373	
Iron	120000	4700	na	120,000	
Lead	750	400	400	161	
Magnesium	na	na	na	4,560	
Manganese	4100	160	950	908	
Nickel	4100	160	na	116	
Potassium	na	na	na	593	
Vanadium	1400	55	5100	72.2	
Zinc	61000	2300	14000	56.3	

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-79
Rail Yard - Independent Sampling Detected Sludge Results - 1997

SITE ID	Comparison Criteria			SL-05	
SAMPLING DATE				4-JUN-97	
DEPTH (ft)	Industrial	Residential	SSL Transfers	na	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSE	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	
SVOCs					
Benz[a]anthracene	7.8	0.87	1.5	0.07	J
Benzo[a]pyrene	0.78	0.087	0.37	0.07	J
Benzo[b]fluoranthene	7.8	0.87	4.5	0.07	J
Benzo[k]fluoranthene	78	8.7	45	0.07	J
Bis(2-ethylhexyl)phthalate	410	46	2900	0.3	J
Chrysene	780	87	150	0.09	J
Fluoranthene	8200	310	6300	0.1	J
Phenanthrene	na	na	na	0.09	J
Pyrene	6100	230	680	0.12	J
VOCs					
Methylene Chloride	760	85	0.019	0.001	B
PEST/PCB					
4,4'-DDT	17	1.9	1.2	0.06	R
Endrin aldehyde	na	na	na	0.01	

Bold underlined text indicates that the value exceeds the SSL Transfer value.
Shading indicates that the value exceeds the industrial RBC.
Bold outline indicates that the value exceeds the residential RBC.

Table A-80
Rail Yard - Independent Sampling Detected Sludge Results - 1998

SITE ID	Comparison Criteria			SL-08	SL-108
SAMPLING DATE				30-MAR-98	30-MAR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	na	na
MATRIX	RBC*	RBC*	Soil to Groundwater	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals					
Aluminum	200000	7800	na	21,600	32,300
Arsenic	3.8	0.43	0.026	***9.2***	***19.4***
Barium	14000	550	2100	75.2	234
Beryllium	410	16	1200	1.1	1.3
Cadmium	100	3.9	27	1.2	1.3
Calcium	na	na	na	8,550	7,090
Chromium	610	23	42	34.3	40.4
Cobalt	4100	160	na	18.4	21.4
Copper	8200	310	11000	34.4	36.8
Iron	120000	4700	na	42,600	46,500
Lead	750	400	400	94.1	102
Magnesium	na	na	na	2,430	3,040
Manganese	4100	160	950	249	281
Mercury	61	2.3	na	0.1	0.1
Nickel	4100	160	na	17.2	21.5
Potassium	na	na	na	1,100	1,650
Selenium	1000	39	19	nd	0.6
Thallium	14	0.55	3.6	nd	0.5
Vanadium	1400	55	5100	71.9	77.3
Zinc	61000	2300	14000	675	758
SVOCs					
Fluoranthene	8200	310	6300	0.07 J	0.06 J
Pyrene	6100	230	680	0.04 J	0.04 J
VOCs					
Methylene Chloride	760	85	0.019	0.003 B	0.003 B
PEST/PCB					
Aroclor-1254	2.9	0.32	1.1	0.22	0.05

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-81
Rail Yard - Independent Sampling Detected Waste Water Results - 1998

SITE ID	Comparison Criteria		WW-04
SAMPLING DATE			30-Mar-98
DEPTH (ft)	AWQC	Tap Water	na
MATRIX	(Chronic)	RBC	CSW
UNITS	ug/L	ug/L	ug/L
Metals			
Aluminum	87	3700	258
Calcium	na	na	26,600
Copper	9	150	38
Iron	1000	2200	4,470
Lead	2.5	na	31
Magnesium	na	na	6,530
Manganese	na	73	102
Potassium	na	na	2,780
Sodium	na	na	1,660
Zinc	120	1100	274

Shading indicates that the value exceeds the Tap Water RBC.

Bold outline indicates that the value exceeds the AWQC.

Table A-82
Rail Yard - Independent Sampling Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria			SS-08a
SAMPLING DATE				30-MAR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.25-0.5
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Metals				
Aluminum	200000	7800	na	24,800
Arsenic	3.8	0.43	0.026	***8.9***
Barium	14000	550	2100	53.7
Beryllium	410	16	1200	1.4
Cadmium	100	3.9	27	0.8
Calcium	na	na	na	4,720
Chromium	610	23	42	41.1
Cobalt	4100	160	na	32.1
Copper	8200	310	11000	31
Iron	120000	4700	na	48,400
Lead	750	400	400	52.6
Magnesium	na	na	na	2,710
Manganese	4100	160	950	233
Mercury	61	2.3	na	0.2
Nickel	4100	160	na	21.1
Potassium	na	na	na	985
Thallium	14	0.55	3.6	0.4
Vanadium	1400	55	5100	91.5
Zinc	61000	2300	14000	159

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-83
Rail Yard - Independent Sampling Detected Organic Results in Soil - 1998

SITE ID	Comparison Criteria			SS-08a	TR-02A	TR-02C
SAMPLING DATE				30-MAR-98	2-APR-98	2-APR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	0.25-0.5	0-0.16	0-0.16
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs						
Anthracene	61000	2300	470	nd	0.1 J	nd
Acenaphthylene	na	na	na	nd	0.07 J	nd
Benz[a]anthracene	7.8	0.87	1.5	nd	0.4 J	nd
Benzo[a]pyrene	0.78	0.087	0.37	nd	***0.4*** J	nd
Benzo[b]fluoranthene	7.8	0.87	4.5	nd	1.01	nd
Benzo[k]fluoranthene	78	8.7	45	nd	0.56	nd
bis(2-Ethylhexyl)phthalate	410	46	2900	nd	0.11 J	nd
Carbazole	290	32	0.47	nd	0.10 J	nd
Chrysene	780	87	150	nd	0.66	nd
Dibenz[a,h]anthracene	0.78	0.087	1.4	nd	0.05 J	nd
Fluoranthene	8200	310	6300	nd	0.39	nd
Indeno[1,2,3-cd]pyrene	7.8	0.87	13	nd	0.11 J	nd
Pentachlorophenol	48	5.3	na	nd	0.11 J	826 C
Phenanthrene	na	na	na	nd	0.06 J	nd
Pyrene	6100	230	680	nd	0.86	nd
VOCs						
Methylene Chloride	760	85	0.019	3.0 B	nd	nd
PEST/PCB						
alpha-Chlordane	16	1.8	0.092	0.02 I	nd	***0.14*** R
Aroclor-1254	2.9	0.32	1.1	1.0	nd	nd
4,4'-DDD	24	2.7	11	nd	nd	0.3 R
4,4'-DDE	17	1.9	35	0.01 I	0.04	nd
4,4'-DDT	17	1.9	1.2	nd	nd	0.24 R
delta-BHC	na	na	na	nd	nd	0.17 R
Dieldrin	0.36	0.04	0.0022	***0.01*** R	nd	***0.27***
Endosulfan I	1200	47	20	nd	nd	0.14 R
Endosulfan II	1200	47	20	0.06 R	nd	nd
Endrin	61	2.3	5.4	0.01 R	nd	nd
Heptachlor	1.3	0.14	0.84	nd	nd	0.2 R

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-84
Rail Yard - Independent Sampling Detected Sediment Results - 1998

SITE ID	Comparison Criteria			SD-03	SD-04	SD-05
SAMPLING DATE				01-APR-98	01-APR-98	01-APR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	na	na	na
MATRIX	RBC*	RBC*	Soil to Groundwater	CSE	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals						
Aluminum	200000	7800	na	9,370	11,000	27,000
Arsenic	3.8	0.43	0.026	***4.9***	***4.6***	***2.2***
Barium	14000	550	2100	81.7	113	52.4
Beryllium	410	16	1200	0.6	0.8	1.3
Calcium	na	na	na	176,000	129,000	3,200
Chromium	610	23	42	24.6	21.2	32.9
Cobalt	4100	160	na	5.9	6.6	11.8
Copper	8200	310	11000	47.6	21.9	20.9
Iron	120000	4700	na	12,500	14,200	22,000
Lead	750	400	400	10.9	11.20	28.4
Magnesium	na	na	na	3,600	2,840	3,590
Manganese	4100	160	950	446	***1,220***	90.9
Nickel	4100	160	na	6.7	9.0	19.7
Potassium	na	na	na	553	666	1,870
Selenium	1000	39	19	nd	nd	1.7
Sodium	na	na	na	nd	110	nd
Vanadium	1400	55	5100	26.1	20.8	50.7
Zinc	61000	2300	14000	16.2	27.8	93.6
SVOCs						
Bis(2-Ethylhexyl)phthalate	410	46	2900	nd	nd	0.1 J
Fluoranthene	8200	310	6300	nd	0.06 J	nd
PEST/PCB						
Endrin aldehyde	na	na	na	nd	0.04	nd
VOCs						
2-Butanone	120000	4700	8	nd	0.01	nd
Acetone	20000	780	2.5	0.003 J	0.048	nd
Methylene Chloride	760	85	0.019	0.003 B	0.001 B	0.003 B

Bold outline indicates that the value exceeds the residential RBC.
Shading indicates that the value exceeds the industrial RBC.
Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-85
Rail Yard - RI Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria			RYSB1A		RYSB1B		RYSB1C		RYSB2A		RYSB2B		RYSB3A		RYSB3B		RYSB4A	
FIELD ID				RYSB1A		RYSB1B		RYSB1C		RYSB2A		RYSB2B		RYSB3A		RYSB3B		RYSB4A	
SAMPLING DATE				3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-2		4-8		19-23		0-2		4-6		1-3		3-4.2		0-4	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																			
Aluminum	200000	7800	na	817		12,400		10,400		5,630		12,700		7,470		11,100		17,500	
Arsenic	3.8	0.43	0.026	***1.6***	J	***4.9***	J	***4.5***	J	***2.9***	J	***4.9***	J	***2.1***	J	***3.9***	J	***5.6***	J
Barium	14000	550	2100	94.1	J	27.5	J	38.6	J	22.7	J	17.6	J	15.4	J	17.4	J	20.8	J
Beryllium	410	16	1200	< 0.1		0.25	J	4.3		0.21	J	0.52	J	0.13	J	0.5	J	0.23	J
Cadmium	100	3.9	27	0.13	J	< 0.14		< 0.14		< 0.12		< 0.14		< 0.12		< 0.12		< 0.16	
Calcium	na	na	na	177,000		5,130		1,850		1,390		152	J	761		8,340		1,660	
Chromium	610	23	42	3.1		20		21.3		7		***46.3***		9.9		19.4		21.8	
Cobalt	4100	160	na	1.3	J	9.8	J	5.8	J	17.1	J	2.1	J	4.9	J	7.4	J	74.9	J
Copper	8200	310	11000	2.3	B	4.7	B	15.1	J	3.2	B	9.1	B	4.8	B	14.8	J	8.5	B
Iron	120000	4700	na	2,600		24,700		20,200		7,120		31,900		11,200		21,800		27,700	
Lead	750	400	400	9.7	J	15.4	J	25.4	J	25.2	J	18	J	7.2	J	15.9	J	33.7	J
Magnesium	na	na	na	90,700		2,710		994		660		190	J	266	J	4,620		606	J
Manganese	4100	160	950	105	J	151	J	235	J	202	J	70.9	J	36.6	J	154	J	301	J
Mercury	61	2.3	na	< 0.11		0.46		< 0.14		0.14		0.15		< 0.13		< 0.12		< 0.14	
Nickel	4100	160	na	2.9	J	2.5	J	8.9	J	1.6	J	3.3	J	2.8	J	10.5	J	7.9	J
Potassium	na	na	na	448	J	382	J	367	J	162	J	249	J	412	J	504	J	501	J
Selenium	1000	39	19	1	J	< 0.7		< 0.69		< 0.61		< 0.69		< 0.6		< 0.59		< 0.78	
Sodium	na	na	na	331	B	41.4	B	40.4	B	43	B	30	B	33.1	B	46.7	B	41.6	B
Thallium	14	0.55	3.6	0.21	UJ	0.28	UJ	0.44	B	0.24	UJ	0.28	UJ	0.24	UJ	0.24	UJ	0.31	UJ
Vanadium	1400	55	5100	5	J	44	J	49.1	J	23.7	J	72.4	J	19.7	J	38.7	J	60.4	J
Zinc	61000	2300	14000	12.5		8.2		9.6		7.4		13.3		6.1		30.5		10.3	

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-85
Rail Yard - RI Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria			RYSB4B		RYSB5A		RYSB5B		RYSB6A		RYSB6B		RYSB7A		RYSB7B	
FIELD ID				RYSB4B		RYSB5A		RYSB5B		RYSB6A		RYSB6B		RYSB7A		RYSB7B	
SAMPLING DATE				3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98	
DEPTH (ft)	Industrial	Residential	SSL Transfers	4-6		0-4		4-6		0-4		4-6		0-4		4-6	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO		CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																	
Aluminum	200000	7800	na	23,300		14,200		10,200		12,100		15,400		8,180		11,400	
Arsenic	3.8	0.43	0.026	***4.9***	J	***7***	J	***4.3***	J	***7.8***	J	***5.4***	J	***3.2***	J	***5.5***	J
Barium	14000	550	2100	41.1	J	22.4	J	19.9	J	29.9	J	24.8	J	52.7	J	75.3	J
Beryllium	410	16	1200	0.55	J	0.66		0.98		1.5		0.84		1.4		2.1	
Cadmium	100	3.9	27	< 0.13		< 0.13		< 0.12		< 0.13		< 0.14		< 0.13		< 0.13	
Calcium	na	na	na	2,650		1,670		2,540		4,950		1,520		1,290		2,100	
Chromium	610	23	42	20.3		21.4		11.2		19.8		26.9		14.7		16.3	
Cobalt	4100	160	na	74.5	J	8.4	J	39.1	J	22.7	J	11.5	J	25.9	J	8.2	J
Copper	8200	310	11000	14	J	11.7	J	9	B	12.8	J	8.8	B	4.5	B	10.5	J
Iron	120000	4700	na	23,600		31,200		14,800	J	27,200		30,300		14,900		18,500	
Lead	750	400	400	42.1	J	25.2	J	49.2		25.3	J	22.2	J	33.9	J	15.5	J
Magnesium	na	na	na	1,700		1,030		1,520		3140		680		617	J	1,780	
Manganese	4100	160	950	342	J	108	J	405	J	213	J	133	J	709	J	395	J
Mercury	61	2.3	na	0.15		< 0.12		0.14		< 0.13		< 0.13		0.41		< 0.13	
Nickel	4100	160	na	25.5	J	8	J	7.2	J	10.8	J	4.7	J	3.9	J	10.6	J
Potassium	na	na	na	702	J	437	J	329	J	747	J	750	J	282	J	545	J
Selenium	1000	39	19	< 0.67		< 0.63		< 0.62		< 0.63		< 0.68		< 0.63		< 0.64	
Sodium	na	na	na	46.2	B	59.1	B	82.3	B	52.8	B	70.3	B	35.4	B	42.9	B
Thallium	14	0.55	3.6	0.7	B	0.42	B	0.86	B	0.25	UJ	0.27	UJ	0.89	B	0.25	UJ
Vanadium	1400	55	5100	42.6	J	57.1	J	36.3	J	48.4	J	55.9	J	34.2	J	34.9	J
Zinc	61000	2300	14000	23.7		33.3		14.4		15.3		8		7.1		15.6	

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-86
Rail Yard - RI Detected Organic Results in Soil - 1998

SITE ID	Comparison Criteria			RYSB2A	RYSB3A	RYSB4B	RYSB6A	RYSB6B	RYSB7A	RYSB7B
FIELD ID				RYSB2A	RYSB3A	RYSB4B	RYSB6A	RYSB6B	RYSB7A	RYSB7B
SAMPLING DATE				3-AUG-98	3-AUG-98	3-AUG-98	3-AUG-98	3-AUG-98	3-AUG-98	3-AUG-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-2	1-3	4-6	0-4	4-6	0-4	4-6
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs										
Diethylphthalate	160000	6300	450	< 0.42	< 0.41	< 0.32	< 0.43	1.1	0.099 J	< 0.43
Dimethylphthalate	2000000	78000	na	< 0.42	< 0.41	0.46 J	< 0.43	< 0.46	< 0.41	< 0.43
Di-n-butylphthalate	20000	780	5000	0.11 B	0.066 B	< 0.46	0.068 B	< 0.46	0.093 B	0.11 B

Table A-87
Bag Loading Area - Dames and Moore Detected Metal Results in Soil - 1997

SITE ID	Comparison Criteria			407712012	4077121224	4077122436	407736012	4077361224	407760012	4077601224
SAMPLING DATE				9-Dec-97	9-Dec-97	9-Dec-97	9-Dec-97	9-Dec-97	9-Dec-97	9-Dec-97
DEPTH (in)	Industrial	Residential	SSL Transfers	0-12	12-24	24-36	0-12	12-24	0-12	12-24
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals										
Aluminum	200000	7800	na	36000	32600	40700	29200	32700	33600	39100
Antimony	82	3.1	13	0.33 J	nd	0.29 J	nd	nd	nd	nd
Arsenic	3.8	0.43	0.026	***4.6***	***5.3***	***5.4***	***4.4***	***3.5***	***4.9***	***4.4***
Barium	14000	550	2100	86.3	71.3	81.6	78.6	54.8	50.4	49.2
Beryllium	410	16	1200	1.6	1.6	2.0	1.4	1.5	1.5	1.6
Calcium	na	na	na	483 J	3840	661 J	761 J	787 J	1080 J	1360
Chromium	610	23	42	***42.1***	***42.4***	***57.9***	39.0	38.7	***43.3***	***47.2***
Cobalt	4100	160	na	14.8	16.9	119	11.4	14.8	16.6	13.9
Copper	8200	310	11000	57.8	40.9	71.1	78.1	40.7	41.2	34.5
Iron	120000	4700	na	38700	41300	47600	41400	36800	39000	43500
Lead	750	400	400	15.1	20.5	35.9	105	13.8	16.1	43.3
Magnesium	na	na	na	6220	8150	7810	4850	5820	5660	6630
Manganese	4100	160	950	218	286	736	183	216	289	180
Nickel	4100	160	na	27.6	25.4	33.9	23.2	25.3	25.6	28.2
Potassium	na	na	na	4870	4760	5740	4080	4850	4880	5610
Selenium	1000	39	19	1.4	0.80 J	1.1	1.2	0.63 J	0.96 J	0.85 J
Sodium	na	na	na	54.4 J	54.3 J	58.0 J	35.6 J	44.8 J	48.1 J	49.9 J
Thallium	14	0.55	3.6	0.78 J	0.47 J	nd	nd	nd	nd	nd
Vanadium	1400	55	5100	77.4	79.9	93.1	78.3	71.6	76.5	86.6
Zinc	61000	2300	14000	39.8	42.6	57.8	91.4	33.8	38.4	41.2

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-88

Bag Loading Area - Independent Sampling Detected Metal Results in Soil - 1997

SITE ID	Comparison Criteria			SS-09	
SAMPLING DATE				4-JUN-97	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-0.5	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	
Metals					
Aluminum	200000	7800	na	12,400	
Arsenic	3.8	0.43	0.026	***7.6***	
Barium	14000	550	2100	***10,200***	J
Beryllium	410	16	1200	0.7	
Calcium	na	na	na	77,200	
Chromium	610	23	42	***56.6***	
Cobalt	4100	160	na	17.2	
Copper	8200	310	11000	***13,600***	
Iron	120000	4700	na	31,300	
Lead	750	400	400	***1,970***	
Magnesium	na	na	na	52,600	
Manganese	4100	160	950	327	
Nickel	4100	160	na	57.1	
Potassium	na	na	na	2,700	
Selenium	1000	39	19	0.6	
Vanadium	1400	55	5100	39.6	
Zinc	61000	2300	14000	5,940	

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-89
Bag Loading Area - Independent Sampling Detected Organic Results in Soil- 1997

SITE ID	Comparison Criteria			SS-09	
SAMPLING DATE				4-JUN-97	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-0.5	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	
SVOCs					
Anthracene	61000	2300	470	0.20	J
Acenaphthene	12000	470	100	0.10	J
Acenaphthylene	na	na	na	0.06	J
Benz[a]anthracene	7.8	0.87	1.5	1.10	
Benzo[a]pyrene	0.78	0.087	0.37	***1.33***	K
Benzo[b]fluoranthene	7.8	0.87	4.5	1.94	K
Benzo[g,h,i]perylene	na	na	na	0.51	K
Benzo[k]fluoranthene	78	8.7	45	1.96	K
bis(2-Ethylhexyl)phthalate	410	46	2900	0.57	
Carbazole	290	32	0.47	0.40	
Chrysene	780	87	150	1.71	
Di-n-butylphthalate	20000	780	5000	3.60	
Dibenz[a,h]anthracene	0.78	0.087	1.4	0.20	J,K
Dibenzofuran	820	31	8	0.10	
2,4-Dinitrotoluene	410	16	0.57	***0.78***	
Fluoranthene	8200	310	6300	2.90	
Fluorene	8200	310	140	0.20	J
Indeno[1,2,3-cd]pyrene	7.8	0.87	13	0.52	K
2-Methylnaphthalene	4100	160	22	0.03	J
Naphthalene	4100	160	0.15	0.10	J
N-Nitrosodiphenylamine	1200	130	0.76	0.10	J
Phenanthrene	na	na	na	2.04	
Pyrene	6100	230	680	2.45	C
Explosives					
2,6-Dinitrotoluene	200	7.8	0.25	***1.90***	C,J

Bold outline indicates that the value exceeds the residential RBC.
Shading indicates that the value exceeds the industrial RBC.
Bold undeerline indicates that the value exceeds the SSL Transfer value.

Table A-89
Bag Loading Area - Independent Sampling Detected Organic Results in Soil- 1997

SITE ID	Comparison Criteria			SS-09	
SAMPLING DATE				4-JUN-97	
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-0.5	
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	
PEST/PCB					
Aldrin	0.34	0.038	0.0072	***0.042***	I,R,J
alpha-Chlordane	16	1.8	0.092	0.089	I
Aroclor-1254	2.9	0.32	1.1	***8.3***	
4,4'-DDD	24	2.7	11	0.043	I
4,4'-DDT	17	1.9	1.2	0.046	R
Dieldrin	0.36	0.04	0.0022	***0.062***	I,R
Endosulfan I	1200	47	20	0.022	I
Endosulfan II	1200	47	20	0.101	I,R
Endrin	61	2.3	5.4	0.044	I,R
Endrin aldehyde	na	na	na	0.024	I,R
gamma-Chlordane	16	1.8	0.092	0.010	I
Heptachlor epoxide	0.63	0.07	0.025	0.015	I
VOCs					
Methylene Chloride	760	85	0.019	0.001	B

Bold outline indicates that the value exceeds the residential RBC.
Shading indicates that the value exceeds the industrial RBC.
Bold undeerline indicates that the value exceeds the SSL Transfer value.

Table A-90

Bag Loading Area - Independent Sampling Detected Metal Results in Floor Material - 1997

SITE ID	Comparison Criteria			WS-01	
SAMPLING DATE				5-JUN-97	
DEPTH (ft)	Industrial	Residential	SSL Transfers	na	
MATRIX	RBC*	RBC*	Soil to Groundwater	CBI	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	
Metals					
Aluminum	200000	7800	na	3,270	
Arsenic	3.8	0.43	0.026	***9.5***	
Barium	14000	550	2100	***4,250***	J
Calcium	na	na	na	90,600	
Chromium	610	23	42	***72.5***	
Cobalt	4100	160	na	13.9	
Copper	8200	310	11000	***59,600***	
Iron	120000	4700	na	40,200	
Lead	750	400	400	***492***	
Magnesium	na	na	na	71,600	
Manganese	4100	160	950	231	
Nickel	4100	160	na	130	
Potassium	na	na	na	482	
Vanadium	1400	55	5100	18.8	
Zinc	61000	2300	14000	3,730	

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-91
Bag Loading Area - Independent Sampling Detected Organic Results in Floor Material- 1997

SITE ID	Comparison Criteria			WS-01	
SAMPLING DATE				5-JUN-97	
DEPTH (ft)	Industrial	Residential	SSL Transfers	na	
MATRIX	RBC*	RBC*	Soil to Groundwater	CBI	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	
SVOCs					
Anthracene	61000	2300	470	16.10	K
Acenaphthene	12000	470	100	4.72	
Benz[a]anthracene	7.8	0.87	1.5	***20.80***	K
Benzo[a]pyrene	0.78	0.087	0.37	***22.20***	K
Benzo[b]fluoranthene	7.8	0.87	4.5	***27.30***	K
Benzo[g,h,i]perylene	na	na	na	17.00	J,K
Benzo[k]fluoranthene	78	8.7	45	18.20	K
Chrysene	780	87	150	18.00	K
Dibenz[a,h]anthracene	0.78	0.087	1.4	1.00	J,K
Dibenzofuran	820	31	8	3.00	J
Fluoranthene	8200	310	6300	13.45	K
Fluorene	8200	310	140	4.33	
Indeno[1,2,3-cd]pyrene	7.8	0.87	13	***16.00***	J,K
2-Methylnaphthalene	4100	160	22	0.40	J
Naphthalene	4100	160	0.15	***1.00***	J
Phenanthrene	na	na	na	24.60	K
Pyrene	6100	230	680	26.00	K

Bold outline indicates that the value exceeds the residential RBC.
Shading indicates that the value exceeds the industrial RBC,
Bold underline text indicates that the value exceeds the SSL Transfer value.

Table A-91

Bag Loading Area - Independent Sampling Detected Organic Results in Floor Material- 1997

SITE ID	Comparison Criteria			WS-01	
SAMPLING DATE				5-JUN-97	
DEPTH (ft)	Industrial	Residential	SSL Transfers	na	
MATRIX	RBC*	RBC*	Soil to Groundwater	CBI	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	
PEST/PCB					
alpha-Chlordane	16	1.8	0.092	***0.45***	I,R
Aroclor-1254	2.9	0.32	1.1	***2.80***	
4,4'-DDE	17	1.9	35	0.51	I,R
Endosulfan I	1200	47	20	0.37	I
Endrin	61	2.3	5.4	0.25	I,R
Endrin aldehyde	na	na	na	0.54	I,R
Endrin ketone	61	2.3	5.4	0.59	I,R
Heptachlor epoxide	0.63	0.07	0.025	***0.52***	I
Methoxychlor	1000	39	310	4.40	I
VOCs					
Acetone	20000	780	2.5	0.020	B
Methylene chloride	760	85	0.019	0.003	B

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Bold outline indicates that the value exceeds the residential RBC.
Shading indicates that the value exceeds the industrial RBC,
Bold underline text indicates that the value exceeds the SSL Transfer value.

Table A-92

Bag Loading Area - Independent Sampling Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria			SS-14
SAMPLING DATE				31-MAR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-0.16
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Metals				
Aluminum	200000	7800	na	35,600
Arsenic	3.8	0.43	0.026	***4.7***
Barium	14000	550	2100	65.8
Beryllium	410	16	1200	1.6
Calcium	na	na	na	1,460
Chromium	610	23	42	***44.0***
Cobalt	4100	160	na	22.5
Copper	8200	310	11000	27.1
Iron	120000	4700	na	40,000
Lead	750	400	400	14.7
Magnesium	na	na	na	6,270
Manganese	4100	160	950	573
Nickel	4100	160	na	23.8
Potassium	na	na	na	4,200
Vanadium	1400	55	5100	78.3
Zinc	61000	2300	14000	41.4

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Table A-93
Bag Loading Area - Independent Sampling Detected Organic Results in Soil - 1998

SITE ID	Comparison Criteria			SS-14	TR-03E
SAMPLING DATE				31-MAR-98	2-APR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	0-0.16	0.04-0.16
MATRIX	RBC*	RBC*	Soil to Groundwater	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs					
Benz[a]anthracene	7.8	0.87	1.5	nd	0.11
Benzo[a]pyrene	0.78	0.087	0.37	nd	0.07 J
Benzo[b]fluoranthene	7.8	0.87	4.5	nd	0.12 J
Benzo[k]fluoranthene	78	8.7	45	nd	0.08 J
Benzoic Acid	na	na	na	nd	0.30 J
bis(2-Ethylhexyl)phthalate	410	46	2900	0.05 J	0.10 J
Chrysene	780	87	150	nd	0.11 J
Fluoranthene	8200	310	6300	nd	0.10 J
Phenanthrene	na	na	na	nd	0.10 J
Phenol	1200000	47000	130	0.08 J	nd
Pyrene	6100	230	680	nd	0.10 J
PEST/PCB					
Aroclor-1254	2.9	0.32	1.1	nd	0.108
VOCs					
Methylene chloride	760	85	0.019	0.002 B	NA

Table A-94

Bag Loading Area - Independent Sampling Detected Metal Results in Floor Material - 1998

SITE ID	Comparison Criteria			WS-04	WS-05
SAMPLING DATE				3-MAR-98	3-MAR-98
DEPTH (ft)	Industrial	Residential	SSL Transfers	na	na
MATRIX	RBC*	RBC*	Soil to Groundwater	CBI	CBI
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals					
Aluminum	200000	7800	na	1,190	683
Arsenic	3.8	0.43	0.026	***7.8***	***4.1***
Barium	14000	550	2100	172	54.1
Cadmium	100	3.9	27	2.1	6.6
Calcium	na	na	na	107,000	70,700
Chromium	610	23	42	***92.3***	***67.9***
Cobalt	4100	160	na	12.0	10.2
Copper	8200	310	11000	***86,100***	***65,500***
Iron	120000	4700	na	32,000	24,600
Lead	750	400	400	214	255
Magnesium	na	na	na	122,000	140,000
Manganese	4100	160	950	139	111
Nickel	4100	160	na	213	147
Potassium	na	na	na	633	312
Silver	1000	39	31	4.7	5.0
Sodium	na	na	na	109	nd
Zinc	61000	2300	14000	441	187
ASBESTOS (Area %)					
Chrysotile	na	na	na	1.6	1.6

Bold outline indicates that the value exceeds the residential RBC.

Shading indicates that the value exceeds the industrial RBC.

Bold underlined text indicates that the value exceeds the SSL Transfer value.

Master Legend

Symbol	Definition
<	less than
ug/L	micrograms per liter
mg/kg	micrograms per gram
mg/100 cm^2	milligrams per 100 square centimeters
na	not applicable
NA	not analyzed
C	see report narrative for analyst's observation concerning result
D	dilution factor of 20.0 used to obtain result
I	an interference exists which masks true response
L	estimated concentration bias low
K	estimated concentration bias high
J	estimated concentration
UJ	estimated non-detect
nd	not detected
B	blank contamination
UL	estimated non-detect bias low
JP	estimated concentration, > 25% difference in the detected concentration between the two columns
R	rejected data
*	USEPA Region III (9/01)
†	chromium VI screening value (as per USEPA Region III)
#	Technical Review Workgroup for Lead: Guidance Document (April, 1999)

Table A-1
SWMU 39 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria		39SS1	39SS2	39SS3
FIELD ID			RVFS*40	RVFS*41	RVFS*42
SAMPLING DATE			25-FEB-92	25-FEB-92	25-FEB-92
DEPTH (ft)	BTAG	Background	0-0.5	0-0.5	0-0.5
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals					
Aluminum	1	40041	14400	14900	17500
Arsenic	328	15.8	2.5	2.7	2.7
Barium	440	209	98.4	113	94.8
Beryllium	0.02	1.02	0.6	1.2	nd
Calcium	na	na	38500	1250	3300
Chromium	0.02	65.3	26	27.5	30.2
Cobalt	0.1	72.3	11.2	13.4	13.5
Copper	15	53.5	15.1	19.8	22.1
Iron	3260	50962	25100	26700	29100
Lead	2	26.8	21.8	nd	19.5
Magnesium	4400	na	19000	4250	5060
Manganese	330	2543	517	562	506
Nickel	2	62.8	14.3	16.8	17.3
Potassium	na	na	1780	2080	1850
Silver	0.0000098	na	1.4	1	nd
Sodium	na	na	210	226	239
Thallium	0.001	2.11	22.7	17.8	nd
Vanadium	0.5	108	50	52.2	54.4
Zinc	10	202	52.4	72.1	61.3
SVOCs					
Cyclohexene oxide	na	na	0.2	0.2	0.2

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-2
SWMU 39 - VI Detected Sludge Results - 1992

SITE ID	Comparison Criteria		39SL1	39SL2	39SL3
FIELD ID			RVFS*37	RVFS*38	RVFS*39
SAMPLING DATE			25-FEB-92	25-FEB-92	25-FEB-92
DEPTH (ft)	BTAG	Background	0-1	0-1	0-1
MATRIX	Sediment Criteria	Soil Levels	CSE	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals					
Aluminum	na	40041	19400	17500	22800
Antimony	150	na	105	nd	nd
Arsenic	8.2	15.8	36	2.95	2.4
Barium	na	209	1200	429	131
Beryllium	na	1.02	nd	1	1.16
Calcium	na	na	3900	687	24300
Chromium	81	65.3	248	206	38.8
Cobalt	na	72.3	8.45	8.22	14.8
Copper	34	53.5	57000	403	21.1
Iron	na	50962	29300	26600	33600
Lead	46.7	26.8	97000	21000	33.4
Magnesium	na	na	2990	2690	13700
Manganese	na	2543	338	147	617
Nickel	20.9	62.8	66.6	57.2	20.5
Potassium	na	na	2890	1420	2650
Silver	1	na	7.51	0.934	1.27
Sodium	na	na	877	203	245
Thallium	na	2.11	85.6	28	32.3
Vanadium	na	108	28.1	54	68
Zinc	150	202	356	145	74.7

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-2
SWMU 39 - VI Detected Sludge Results - 1992

SITE ID	Comparison Criteria		39SL1	39SL2	39SL3
FIELD ID			RVFS*37	RVFS*38	RVFS*39
SAMPLING DATE			25-FEB-92	25-FEB-92	25-FEB-92
DEPTH (ft)	BTAG	Background	0-1	0-1	0-1
MATRIX	Sediment Criteria	Soil Levels	CSE	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs					
Bis(2-Ethylhexyl)phthalate	1.3	na	30	nd	nd
Butylbenzylphthalate	0.063	na	20	nd	nd
Di-n-butylphthalate	1.4	na	9	1.6	nd
Fluoranthene	0.6	na	nd	0.14	nd
Phenanthrene	0.24	na	6	0.14	nd
Pyrene	0.665	na	10	0.25	nd
SVOC TICs					
2,6,10,14-Tetramethylpentadecane	na	na	60	1.1	0.52
Cyclohexene oxide	na	na	nd	0.25	nd
Heneicosane	na	na	60	nd	nd
Heptadecane	na	na	90	nd	nd
Hexadecane	na	na	60	nd	nd
Tetradecane	na	na	20	nd	nd

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-3
SWMU 39 - RFI Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria		39MW7A	39MW7B	39MW8A	39MW8B	39SB1A	39SB1B
FIELD ID			39MW7A	39MW7B	39MW8A	39MW8B	39SB1A	39SB1B
SAMPLING DATE			14-APR-98	14-APR-98	17-APR-98	17-APR-98	21-APR-98	21-APR-98
DEPTH (ft)	BTAG	Background	6-9	14-16	6-8	12-16	0-0.5	1-2
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals								
Aluminum	1	40041	13,700	5,510	23,900	8,390	23,600	24,000
Antimony	0.48	na	0.76 J	< 0.52	1 J	< 0.59	1.5 J	1.2 J
Arsenic	328	15.8	2.6	2	3.1	2.9	2.9	3.9
Barium	440	209	65.5 J	37.8 J	117 J	55.9 J	114 J	113 J
Beryllium	0.02	1.02	0.52	0.4 J	0.78	0.39 B	0.44 B	0.85
Calcium	na	na	782	619	1350	85800	518 J	904
Chromium	0.02	65.3	22.2	15	32.4	19.9	72.9	32.1
Cobalt	0.1	72.3	10 J	5 J	13.4 J	6.9 J	7.1 J	12.9 J
Copper	15	53.5	14.1 J	11.4 B	21.7	14.6	336	196
Iron	3260	50962	26,000	16,400	36,400	22,800	28,500	38,100
Lead	2	26.8	9.3	4.9	11.9	6.2	7070	537
Magnesium	4400	na	3,050	1,730	5,000	51,000	3,930	4,630
Manganese	330	2543	348	320	471	392	113	189
Nickel	2	62.8	11.9 J	8.7 J	18.9 J	8.4 J	19.5 J	19.6 J
Potassium	na	na	1,500 J	670 J	2870 UJ	1620	2710	3260
Selenium	1.8	na	0.46 UJ	0.42 UJ	0.47 UJ	0.47 UJ	0.89 J	0.49 UJ
Sodium	na	na	116 B	88.4 B	168 J	363 J	173 J	169 J
Thallium	0.001	2.11	1.2 J	< 0.62	0.7 UJ	0.71 UJ	0.77 UJ	0.74 UJ
Vanadium	0.5	108	43.2 J	15.4 J	65.6 J	29.9 J	66.1 J	67.5 J
Zinc	10	202	43.6 J	24.2 J	66.7 J	22.6 J	75.7 J	71.8 J

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-3
SWMU 39 - RFI Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria		39SB1D	39SB2B	39SB2D	39SB2F	39SB3A	39SB3B
FIELD ID			39SB1D	39SB2B	39SB2D	39SB2F	39SB3A	39SB3B
SAMPLING DATE			21-APR-98	20-APR-98	20-APR-98	20-APR-98	21-APR-98	21-APR-98
DEPTH (ft)	BTAG	Background	4-6	1-2	4-6	12-14	0-0.5	1-2
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals								
Aluminum	1	40041	20,900	28,300	18,100	18,700	37,300	37,400
Antimony	0.48	na	0.86 J	1.2 J	0.69 J	< 0.64	0.66	0.95 J
Arsenic	328	15.8	2.6	3.4	3	9.2	5.3	6
Barium	440	209	114 J	121 J	94.9 J	59.5 J	178 J	162 J
Beryllium	0.02	1.02	0.67 B	0.93	0.67 B	0.89	1.3	1.4
Calcium	na	na	1170	1290	1200	1730	1980	1470
Chromium	0.02	65.3	39	35.5	25.9	35.7	50.5	47.5
Cobalt	0.1	72.3	11.6 J	16.3 J	12.1 J	11.1 J	15.3 J	24.2 J
Copper	15	53.5	30.4	25.9	15.9	34.4	42.3	44.3
Iron	3260	50962	31,900	42,600	31,000	29,400	44,500	52,800
Lead	2	26.8	21.4	19.2	10.5	17.7	249	73.6
Magnesium	4400	na	4,510	5,510	4,110	12,800	6,100	4,350
Manganese	330	2543	409	579	393	342	198	294
Nickel	2	62.8	16.7 J	21.6 J	15 J	26.2 J	26.9 J	24.3 J
Potassium	na	na	3090	3710	2320	4490	3080	3040
Selenium	1.8	na	0.49 UJ	0.5 UJ	0.65 J	0.51 UJ	0.53 UJ	0.5 UJ
Sodium	na	na	219 J	248 J	191 J	251 J	288 J	241 J
Thallium	0.001	2.11	0.73 UJ	1 J	0.71 UJ	0.77 UJ	0.79 UJ	0.75 UJ
Vanadium	0.5	108	60.3 J	76.4 J	52.5 J	49.8 J	89.9 J	92.7 J
Zinc	10	202	70.5 J	73.9 J	59.1 J	44.8 J	94.6 J	120 J

Bold outline indicates that the value exceeds the BTAG
Cell shading indicates that the value exceeds the backgı

Table A-3
SWMU 39 - RFI Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria		39SB3D	39SB4B	39SB4D	39SB4F
FIELD ID			39SB3D	39SB4B	39SB4D	39SB4F
SAMPLING DATE			21-APR-98	20-APR-98	20-APR-98	20-APR-98
DEPTH (ft)	BTAG	Background	4-6	1-2	4-6	6-10
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals						
Aluminum	1	40041	22,700	22,400	34,500	31,100
Antimony	0.48	na	< 0.6	1.1 J	1.1 J	< 0.6
Arsenic	328	15.8	3	4.1	3.5	2.9
Barium	440	209	108 J	216 J	124 J	125 J
Beryllium	0.02	1.02	0.78	1.1	0.81	0.72 B
Calcium	na	na	1640	1750	1510	1,480
Chromium	0.02	65.3	32.4	31.7	42.1	44.4
Cobalt	0.1	72.3	11.3 J	17.2 J	16.9 J	9.2 J
Copper	15	53.5	24	19.3	25.4	21.9
Iron	3260	50962	23,500	27,900	36,900	31,900
Lead	2	26.8	11.9	17.7	16.3	13.2
Magnesium	4400	na	5,360	3,020	4,830	5,180
Manganese	330	2543	145	1110	359	262
Nickel	2	62.8	18.3 J	16.4 J	22.3 J	20.7 J
Potassium	na	na	2280	1890	2770	3,050
Selenium	1.8	na	0.6 J	1.2 J	0.5 UJ	0.48 UJ
Sodium	na	na	218 J	206 J	232 J	231 J
Thallium	0.001	2.11	0.98 J	0.74 UJ	0.86 J	0.75 J
Vanadium	0.5	108	58.6 J	53.2 J	78.7 J	74.8 J
Zinc	10	202	63.2 J	76.7 J	84.8 J	71.5 J

Bold outline indicates that the value exceeds the BTAG
Cell shading indicates that the value exceeds the backg

Table A-4
SWMU 39 - RFI Detected TCLP Metals Results in Soil - 1998

SITE ID		39SB1C	39SB1E	39SB2C	39SB2E	39SB3C	39SB3E	39SB4C	39SB4E
FIELD ID		39SB1C	39SB1E	39SB2C	39SB2E	39SB3C	39SB3E	39SB4C	39SB4E
DATE SAMPLED		21-APR-98	21-APR-98	20-APR-98	20-APR-98	21-APR-98	21-APR-98	20-APR-98	20-APR-98
DEPTH (ft)	TCLP	2-6	12-12.5	2-6	8-12	2-6	6-8	2-6	6-10
MATRIX	Criteria	CSO	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Arsenic	5000	< 6	< 6	< 6	< 6	< 6	8 J	< 6	< 6
Barium	100000	518 J	215	433 J	160 J	343 J	493 J	352 J	393 J
Cadmium	1000	1 J	< 1	1 UJ	< 1	4.1 J	2.5 J	1 UJ	1 UJ
Lead	5000	2 UJ	< 2	5.2 B	2 UJ	2 UJ	5.8 B	2.4 B	14.2

Table A-5
SWMU 48 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria		48SB1	48SB1	48SB2	48SB2
FIELD ID			RVFS*1	RVFS*2	RVFS*3	RVFS*4
SAMPLING DATE			19-AUG-91	19-AUG-91	16-AUG-91	16-AUG-91
DEPTH (ft)	BTAG	Background	7.5-9	13-15	10-12	20-22
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals						
Aluminum	1	40041	2940	12200	15700	14600
Arsenic	328	15.8	8.2	3.1	4.7	2.8
Barium	440	209	42.5	36.7	52.4	70.8
Beryllium	0.02	1.02	0.8	1.7	2.2	5
Calcium	na	na	240000	662	9740	198
Chromium	0.02	65.3	7.8	27.3	29.5	31.9
Cobalt	0.1	72.3	3	6.34	11.3	17.9
Copper	15	53.5	10.8	6.87	135	14.6
Iron	3260	50962	8550	21200	25800	41600
Lead	2	26.8	36.9	nd	154	nd
Magnesium	4400	na	130000	784	3390	763
Manganese	330	2543	222	195	278	547
Mercury	0.058	0.13	2.6	nd	0.2	nd
Nickel	2	62.8	4.9	6.6	25.6	24.5
Potassium	na	na	327	551	758	934
Silver	0.0000098	na	1	nd	0.9	nd
Sodium	na	na	551	372	391	2880
Vanadium	0.5	108	9	30	34.3	32.8
Zinc	10	202	38.2	23	71.3	29.8

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-5
SWMU 48 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria		48SB1	48SB1	48SB2	48SB2
FIELD ID			RVFS*1	RVFS*2	RVFS*3	RVFS*4
SAMPLING DATE			19-AUG-91	19-AUG-91	16-AUG-91	16-AUG-91
DEPTH (ft)	BTAG	Background	7.5-9	13-15	10-12	20-22
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Organics						
2,4-Dinitrotoluene	na	na	nd	nd	3.2	nd
2,6-Dinitrotoluene	na	na	nd	nd	1.2	nd
Bis(2-Ethylhexyl)phthalate	na	na	nd	nd	1.0	nd
Di-n-butylphthalate	na	na	nd	nd	2.9	0.2
Naphthalene	0.1	na	nd	nd	0.3	nd
Phenanthrene	0.1	na	0.2	nd	0.1	nd
Pyrene	0.1	na	0.3	nd	nd	nd
Toluene	0.1	na	nd	nd	0.001	nd
TICs						
2,6,10,14-Tetramethylpentadecane	na	na	nd	nd	0.8	nd
Heptadecane	na	na	nd	nd	1.3	nd
Hexadecane	na	na	nd	nd	1.0	nd
Tetradecane	na	na	nd	nd	0.5	nd
Tridecane	na	na	nd	nd	0.4	nd

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-6
SWMU 48 - VI Detected TCLP Metal Results in Soil - 1992

SITE ID		48SB1	48SB1	48SB2	48SB2
FIELD ID		RVFSL*1	RVFSL*2	RVFSL*3	RVFSL*4
SAMPLING DATE		25-AUG-91	25-AUG-91	25-AUG-91	25-AUG-91
DEPTH (ft)	TCLP	7.5-9	13-15	10-12	20-22
MATRIX	Criteria	CSO	CSO	CSO	CSO
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals					
Barium	100000	292	264	131	289
Lead	5000	nd	nd	149	nd

Table A-7
SWMU 48 - RFI Detected Metal Results in Soil - 1996

SITE ID	Comparison Criteria		48SS1	48SS2	48SS3	48SS8*
FIELD ID			48SS1	48SS2	48SS3	48SS8*
SAMPLING DATE			16-DEC-94	16-DEC-94	16-DEC-94	16-DEC-94
DEPTH (ft)	BTAG	Background	0-1	0-1	0-1	0-1
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals						
Arsenic	328	15.8	3.42	7.97	nd	4.76
Barium	440	209	572	82.3	108	111
Beryllium	0.02	1.02	1.62	0.739	0.872	1.31
Chromium	0.02	65.3	5.3	47.8	24.3	37.6
Lead	2	26.8	4.4	160	18	38.6
Mercury	0.058	0.13	1.11	0.44	nd	0.39
Nickel	2	62.8	8.93	25.4	6.13	14.22
Selenium	1.8	na	nd	1.07	nd	0.78
Silver	0.0000098	na	nd	0.0285	0.0245	0.02

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

* Duplicate sample of 48SS2

Table A-8
SWMU 48 - RFI Detected Organic Results in Soil - 1996

SITE ID		48SB4	48SB4	48SS1	48SS2	48SS8*
FIELD ID		48SB4A11	48SB4B21	48SS1	48SS2	48SS8*
SAMPLING DATE		17-DEC-94	17-DEC-94	16-DEC-94	16-DEC-94	16-DEC-94
DEPTH (ft)	BTAG	10-11	20-21	0-1	0-1	0-1
MATRIX	Soil Criteria	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Organics						
Bis(2-Ethylhexyl)phthalate	na	2.8	3.6	1.5	1.3	1.57
Chrysene	0.1	nd	nd	.086	nd	0.09
Di-n-butylphthalate	na	nd	6	nd	10	8.55
N-Nitrosodiphenylamine	na	1.4	1.7	nd	nd	nd
Naphthalene	0.1	nd	nd	nd	nd	nd
Phenanthrene	0.1	nd	nd	.27	nd	nd
Total organic carbon	na	NA	1209	NA	NA	NA

Bold outline indicates that the value exceeds the BTAG screening level.

* Duplicate sample of 48SS2

Table A-9
SWMU 48 - RFI Test Pit Detected Metal Results - 1998

SITE ID	Comparison Criteria		48TP1		48TP2		48TP3		48TP4	
FIELD ID			48TP1		48TP2		48TP3		48TP4	
SAMPLING DATE	BTAG	Background	24-MAR-98		24-MAR-98		24-MAR-98		24-MAR-98	
DEPTH (ft)	Soil Criteria	Soil Levels	6-6.5		6-6.5		6-6.5		6-6.5	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
Metals										
Aluminum	1	40041	9,230		47,400		50,700		47,900	
Antimony	0.48	na	< 0.66		1.3	J	1.5	J	1.5	J
Arsenic	328	15.8	8.1		4.3		4.8		4.8	
Barium	440	209	34.6	J	71.8	J	70.6	J	80.4	J
Beryllium	0.02	1.02	1.5	J	0.48	J	0.51	J	0.55	J
Calcium	na	na	4,650		697		266	J	246	J
Chromium	0.02	65.3	23.2		28.4		33		31.2	
Cobalt	0.1	72.3	13.8	J	6.7	J	7.5	J	6.2	J
Copper	15	53.5	15.4	J	18.6	J	19.7	J	20.1	J
Iron	3260	50962	16,700		51,100		55,000		54,800	
Lead	2	26.8	17.8		17		14.7		15.8	
Magnesium	4400	na	442	J	2310		1980		2160	
Manganese	330	2543	314		188		218		163	
Nickel	2	62.8	8.6	J	20.9	J	21.2	J	22	J
Potassium	na	na	176	J	2910	J	2670	J	2920	J
Sodium	na	na	5,740	J	323	J	288	J	224	J
Thallium	0.001	2.11	1.1	UJ	1.9	J	0.66	UJ	0.65	UJ
Vanadium	0.5	108	12.1	J	94.6	J	100	J	96.4	J
Zinc	10	202	58.7	J	65.6	J	70.2	J	67.8	J

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-10
SWMU 48 - RFI Test Pit Detected Organic Results - 1998

SITE ID		48TP1
FIELD ID		48TP1
SAMPLING DATE	BTAG	24-MAR-98
DEPTH (ft)	Soil Criteria	6-6.5
UNITS	mg/kg	mg/kg
Explosives		
1,3-Dinitrobenzene	na	2.7 J
2,4-Dinitrotoluene	na	6.7 J
2,6-Dinitrotoluene	na	1.3
4-Amino-2,6-dinitrotoluene	na	5.5 J
HMX	na	5.2 J
Nitrobenzene	na	1 J
RDX	na	0.85 J
1,3,5-Trinitrobenzene	na	1.4 J

Table A-11
SWMU 48 - RFI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria		48SB6A	48SB6B	48SB6C	48SB7A	48SB7B
FIELD ID			48SB6A	48SB6B	48SB6C	48SB7A	48SB7B
SAMPLING DATE			26-MAR-98	26-MAR-98	26-MAR-98	30-MAR-98	30-MAR-98
DEPTH (ft)	BTAG	Background	6-7	14-16	1-3	8-9	10-11
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	1	40041	15,700	34,200	11,800	24,600	16,500
Antimony	0.48	na	1.6 J	1.1 J	< 0.94	0.9 J	< 0.57
Arsenic	328	15.8	2.8	5.4	5	8	3.5
Barium	440	209	83.4 J	72.9 J	47 J	111 J	49.8 J
Beryllium	0.02	1.02	< 0.16	0.93 J	0.56 B	0.69 B	0.76 B
Calcium	na	na	35,800	860	120,000	2,640	984
Chromium	0.02	65.3	35.5	42.2	65.4	33.3	37.4
Cobalt	0.1	72.3	7.6 J	11.5 J	4.2 J	12.5 J	15 J
Copper	15	53.5	33.3 J	15.1 J	149 J	36.9 J	9.6 B
Iron	3260	50962	18,100	39,700	11,700	45,600	25,300
Lead	2	26.8	59.6	8	286	25.6	9
Magnesium	4400	na	4,660	1,440	4,730	1,810	950
Manganese	330	2543	148	342	123	176	613
Nickel	2	62.8	18.8 J	17.6 J	39.2 J	24.4 J	10.6 J
Potassium	na	na	2,200 J	1,430 J	805 J	2,220 J	909 J
Silver	0.0000098	na	< 0.16	< 0.13	< 0.38	0.39 J	< 0.23
Sodium	na	na	537 J	180 J	339 J	211 B	100 B
Vanadium	0.5	108	33 J	41.2 J	16.2 J	73.2 J	23.1 J
Zinc	10	202	54.5 J	46.6 J	73.6 J	67.1 J	29 J

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-12
SWMU 48 - RFI Detected Organic Results in Subsurface Soil - 1998

SITE ID		48SB6A	48SB6C	48SB7A	48SB7B
FIELD ID		48SB6A	48SB6C	48SB7A	48SB7B
SAMPLING DATE		26-MAR-98	26-MAR-98	30-MAR-98	30-MAR-98
DEPTH (ft)	BTAG	6-7	1-3	8-9	10-11
MATRIX	Soil Criteria	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatiles					
Benzene	0.1	0.017 J	< 1.2	< 0.94	< 0.006
Toluene	0.1	0.023 J	< 1.2	< 0.94	< 0.006
o-xylene	0.1	0.64 J	< 1.2	< 0.94	< 0.006
Xylene (total)	0.1	1.1	< 1.2	< 0.94	< 0.006
Semivolatiles					
Benz[a]anthracene	0.1	0.0029 UJ	0.0051	< 0.021	< 0.0019
Benzo[a]pyrene	0.1	0.0029 UJ	0.0056	< 0.021	< 0.0019
Benzo[k]fluoranthene	0.1	0.0029 UJ	0.0054	< 0.021	< 0.0019
Di-n-butylphthalate	na	0.36 J	15	0.49 UJ	0.081 J
Bis(2-ethylhexyl)phthalate	na	0.13 J	0.35 J	< 0.49	< 0.38
n-Nitrosodiphenylamine	na	0.65	0.56 J	0.49 UJ	< 0.38
Explosives					
1,3-Dinitrobenzene	na	0.25 UJ	0.25 UJ	3.6 J	0.25 UJ
2,4-Dinitrotoluene	na	0.25 UJ	3.8 J	0.25 UJ	0.25 UJ
2,6-Dinitrotoluene	na	< 0.25	1.1 J	0.25 UJ	0.25 UJ
1,3,5-Trinitrobenzene	na	0.25 UJ	0.25 UJ	72.15 J	0.53 J
2,4,6-Trinitrotoluene	na	0.25 UJ	0.25 UJ	690 J	35.9 J

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-13
SWMU 48 - RFI Detected VOC (Methanol Extraction) Results in Subsurface Soil - 1998

SITE ID		48SB6A	48SB6B	48SB6C	48SB7A
FIELD ID		48SB6A2	48SB6B2	48SB6C2	48SB7A2
SAMPLING DATE		8-APR-98	8-APR-98	8-APR-98	8-APR-98
DEPTH (ft)	BTAG	6-7	14-16	1-3	8-9
MATRIX	Soil Criteria	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatiles (Methanol Extraction)					
1,2,4-Trimethylbenzene	na	3.9	< 0.85	< 1.2	< 0.94
1,3,5-Trimethylbenzene	na	3.9	< 0.85	< 1.2	< 0.94
Acetone	na	1.3 B	1.0 B	1.4 B	1.1 B
m&p-xylenes	0.1	1.1	< 0.85	< 1.2	< 0.94
o-xylene	0.1	0.64 J	< 0.85	< 1.2	< 1.94
Trichlorofluoromethane	na	< 0.99	< 0.85	< 1.2	0.7 J

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-14
SWMU 49 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria		48SB3
FIELD ID			RVFS*6
SAMPLING DATE			19-AUG-91
DEPTH (ft)	BTAG	Background	18-20
MATRIX	Soil Criteria	Soil Levels	CSO
UNITS	mg/kg	mg/kg	mg/kg
Metals			
Aluminum	1	40041	16400
Barium	440	209	32.5
Beryllium	0.02	1.02	3
Chromium	0.02	65.3	13.2
Cobalt	0.1	72.3	25.6
Copper	15	53.5	3
Iron	3260	50962	23700
Magnesium	4400	na	751
Manganese	330	2543	168
Nickel	2	62.8	30.8
Potassium	na	na	1890
Sodium	na	na	315
Vanadium	0.5	108	16.8
Zinc	10	202	23.8

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-14
SWMU 49 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria		48SB3
FIELD ID			RVFS*6
SAMPLING DATE			19-AUG-91
DEPTH (ft)	BTAG	Background	18-20
MATRIX	Soil Criteria	Soil Levels	CSO
UNITS	mg/kg	mg/kg	mg/kg
Organics			
2-Methylnaphthalene	na	na	30
Ethylbenzene	0.1	na	0.1
Fluorene	0.1	na	8.0
Naphthalene	0.1	na	6
Phenanthrene	0.1	na	10
Toluene	0.1	na	0.003
Xylene (total)	0.1	na	0.3
TICs			
1,1,3-Trimethylcyclohexane	na	na	0.1
2,6,10,14-Tetramethylpentadecane	na	na	200
Eicosane	na	na	100
Heptadecane	na	na	200
Hexadecane	na	na	200
Nonadecane	na	na	10
Octadecane	na	na	200
Tetradecane	na	na	200
Tridecane	na	na	200
Total Unknown TICs	na	na	1086

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-15
SWMU 49 - RFI Detected Metal Results in Soil - 1996

SITE ID	Comparison Criteria		48SS4	48SS5	48SS6
FIELD ID			48SS4	48SS5	48SS6
SAMPLING DATE			16-DEC-94	16-DEC-94	16-DEC-94
DEPTH (ft)	BTAG	Background	0-1	0-1	0-1
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals					
Arsenic	328	15.8	3.66	nd	3.81
Barium	440	209	114	53.9	119
Beryllium	0.02	1.02	nd	0.624	0.74
Chromium	0.02	65.3	14.4	30.3	15.9
Lead	2	26.8	21.5	22	14.1
Mercury	0.058	0.13	0.497	0.104	nd
Nickel	2	62.8	6.04	10.3	5.77
Selenium	1.8	na	0.668	nd	nd
Silver	0.0000098	na	0.0262	nd	0.0222

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-16
SWMU 49 - RFI Detected Organics Results in Soil - 1996

SITE ID		48MW1	48MW1	48MW2	48MW2	48MW3	48MW3
FIELD ID		48MW1A22	48MW1B54	48MW2A42	48MW2B46	48MW3A22	48MW3B32
SAMPLING DATE		17-DEC-94	18-DEC-94	20-DEC-94	20-DEC-94	07-JAN-95	07-JAN-95
DEPTH (ft)	BTAG	20-22	52-54	40-42	44-46	20-22	30-32
MATRIX	Soil Criteria	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Organics							
Bis(2-Ethylhexyl)phthalate	na	8.1	7.2	1.9	nd	3.8	2.0
Chrysene	0.1	nd	nd	nd	nd	nd	nd
Di-n-butylphthalate	na	nd	nd	nd	nd	1.9	nd
Naphthalene	0.1	nd	nd	nd	nd	nd	nd
Phenanthrene	0.1	nd	nd	nd	nd	nd	nd
Phenol	0.1	nd	nd	.12	nd	nd	nd
Pyrene	0.1	nd	nd	nd	nd	nd	nd
Total organic carbon	na	NA	1353	NA	39281	NA	1244
Total petroleum hydrocarbons	na	nd	nd	nd	nd	nd	nd
Wet Chemistry							
pH	na	NA	NA	NA	NA	NA	NA

Bold outline indicates that the value exceeds the BTAG screening level.

Bold outline indicates that the value exceeds the BTAG screening level

Table A-16
SWMU 49 - RFI Detected Organics Results in Soil - 1996

SITE ID		48SB5	48SB5	48SB5	48SS4	48SS5	48SS6
FIELD ID		48SB5	48SB5A19	48SB5B37	48SS4	48SS5	48SS6
SAMPLING DATE		17-DEC-94	17-DEC-94	17-DEC-94	16-DEC-94	16-DEC-94	16-DEC-94
DEPTH (ft)	BTAG	Composite	17-19	35-37	0-1	0-1	0-1
MATRIX	Soil Criteria	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Organics							
Bis(2-Ethylhexyl)phthalate	na	NA	40	10	nd	nd	1.2
Chrysene	0.1	NA	nd	nd	0.079	nd	0.07
Di-n-butylphthalate	na	NA	nd	nd	nd	nd	nd
Naphthalene	0.1	NA	20	nd	nd	nd	nd
Phenanthrene	0.1	NA	10	nd	0.31	nd	0.28
Phenol	0.1	NA	nd	nd	nd	nd	nd
Pyrene	0.1	NA	0.8	nd	nd	nd	nd
Total organic carbon	na	NA	NA	1233	NA	NA	NA
Total petroleum hydrocarbons	na	NA	3570	nd	12	335	nd
Wet Chemistry							
pH	na	5.31	NA	NA	NA	NA	NA

Bold outline indicates that the value exceeds the BT

Bold outline indicates that the value exceeds the BTAG screening level

Table A-17
SWMU 49 - RFI Detected Metal Results in Subsurface Soil- 1998

SITE ID	Comparison Criteria		49SB1A	49SB1B	49SB1C	49SB1D	49SB1E	49SB1F
FIELD ID			49SB1A	49SB1B	49SB1C	49SB1D	49SB1E	49SB1F
SAMPLING DATE			31-MAR-98	31-MAR-98	31-MAR-98	31-MAR-98	31-MAR-98	31-MAR-98
DEPTH (ft)	BTAG	Background	8-10	18-24	28-32	38-40	48-50	58-60
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals								
Aluminum	1	40041	27,300	18,300	22,700	19,900	14,800	13,000
Antimony	0.48	na	< 0.6	< 0.62	0.87 J	0.75 J	0.85 J	0.68 J
Arsenic	328	15.8	3.2	2.5	3.8	3.9	4.2	2.8
Barium	440	209	56.7 J	35 J	53.4 J	54.6 J	63.4 J	82 J
Beryllium	0.02	1.02	0.6 B	1.7 J	3 J	1.6 J	1.1 J	0.84 J
Calcium	na	na	714	304 J	771	592	1780	1710
Chromium	0.02	65.3	29.2	22.3	27.5	35.3	27.3	25.4
Cobalt	0.1	72.3	3.9 J	28.7 J	27.1 J	22.3 J	12.3 J	29 J
Copper	15	53.5	24 J	5.1 B	7.6 B	14.5 J	12.6 B	37.5 J
Iron	3260	50962	33600	40300	43000	39000	37700	33700
Lead	2	26.8	55.6	9.6	5.5	6.9	3	4.5
Magnesium	4400	na	1110	2270	9610	8640	10300	9820
Manganese	330	2543	74.5	350	449	271	532	421
Nickel	2	62.8	11.7 J	22.5 J	48.2 J	54.1 J	42.7 J	45.1 J
Potassium	na	na	1,280 J	1,780 J	2,900 J	1,950 J	1,000 J	1,360 J
Thallium	0.001	2.11	0.78 J	< 0.74	< 0.72	< 0.69	0.93 J	< 0.7
Vanadium	0.5	108	63.2 J	23.2 J	21 J	18.8 J	22.3 J	14.3 J
Zinc	10	202	48.4 J	23.6 J	28.7 J	15.8 J	17.2 J	13.3 J

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-18
SWMU 49 - RFI Detected Organic Results in Subsurface Soil - 1998

SITE ID		49SB1A	49SB1B	49SB1C	49SB1E	49SB1F
FIELD ID		49SB1A	49SB1B	49SB1C	49SB1E	49SB1F
SAMPLING DATE		31-MAR-98	31-MAR-98	31-MAR-98	31-MAR-98	31-MAR-98
DEPTH (ft)	BTAG	8-10	18-24	28-32	48-50	58-60
MATRIX	Soil Criteria	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatiles						
Ethylbenzene	0.1	0.028 J	1.7	1.1	< 0.006	< 0.006
o-xylene	0.1	0.086 UJ	0.71 J	< 0.77	< 0.006	< 0.006
xylene (total)	0.1	0.072 UJ	5.3	1.7	< 0.006	< 0.006
Semivolatiles						
Dibenzofuran	na	< 2	1.8 J	< 0.41	< 0.4	< 0.4
bis(2-Ethylhexyl)phthalate	na	2 UJ	0.41 UJ	< 0.41	0.064 J	< 0.4
Fluorene	0.1	< 2.0	1.8 J	< 0.7	< 0.4	< 0.4
2-Methylnaphthalene	na	16.0	9.8	5.7 J	< 0.4	< 0.4
Naphthalene	0.1	< 2	4.1 J	11	0.4 UJ	0.4 UJ
Phenanthrene	0.1	10 J	3.8 J	0.41 UJ	< 0.4	< 0.4
Explosives						
2-Amino-4,6-dinitrotoluene	na	0.60 J	0.25 UJ	0.24 UJ	0.24 UJ	0.25 UJ
Tetryl	na	0.72 J	0.60 J	0.24 UJ	0.24 UJ	0.25 UJ
2,4,6-Trinitrotoluene	na	0.40 J	0.25 UJ	0.24 UJ	0.24 UJ	0.25 UJ

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-19
SWMU 49 - RFI Detected VOC (Methanol Extraction) Results in Subsurface Soil - 1998

SITE ID		49SB1B	49SB1C	49SB1D
FIELD ID		49SB1B2	49SB1C2	49SB1D2
SAMPLING DATE		9-APR-98	9-APR-98	9-APR-98
DEPTH (ft)	BTAG	18-24	28-32	38-40
MATRIX	Soil Criteria	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Volatiles (Methanol Extraction)				
1,3,5-Trimethylbenzene	na	26	< 0.77	< 0.74
4-Chlorotoluene	na	12	9.8	< 0.74
4-Isopropyltoluene	na	2.5	6.8	< 0.74
Acetone	na	< 0.78	0.83 B	1.1 B
Ethylbenzene	0.1	1.7	1.1	< 0.74
Isopropylbenzene	na	1.1	1.1	< 0.74
m&p-xylenes	0.1	5.3	1.7	< 0.74
Naphthalene	0.1	13	11	1
o-xylene	0.1	0.71 J	< 0.77	< 0.74

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-20
SWMU 50 - VI Detected Soil Results - 1992

SITE ID		50SL1	50SL2
FIELD ID		RVFS*9	RVFS*10
SAMPLING DATE		17-AUG-91	17-AUG-91
DEPTH (ft)	BTAG	0-5	0-5
MATRIX	Soil Criteria	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg
Organics			
1,1,1-Trichloroethane	0.3	5.0	nd
2-Methylnaphthalene	na	0.5	nd
Chloroform	0.3	2.0	nd
Naphthalene	0.1	0.4	nd
Phenanthrene	0.1	0.2	nd
Hexadecanoic acid, butyl ester	na	nd	1.7

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-21
SWMU 58 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria		58SS1	58SS2	58SS3
FIELD ID			RVFS*53	RVFS*54	RVFS*55
SAMPLING DATE			10-FEB-92	10-FEB-92	10-FEB-92
DEPTH (ft)	BTAG	Background	0-0.5	0-0.5	0-0.5
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals					
Aluminum	1	40041	15200	18600	16400
Arsenic	328	15.8	3.8	7	7
Barium	440	209	69.9	49.2	67.3
Beryllium	0.02	1.02	nd	1.2	nd
Calcium	na	na	1100	8040	5570
Chromium	0.02	65.3	42.7	38.1	27.6
Cobalt	0.1	72.3	6	20.6	6.2
Copper	15	53.5	16.2	15.4	10.9
Iron	3260	50962	24900	26900	25300
Lead	2	26.8	nd	nd	16.3
Magnesium	4400	na	751	10300	3900
Manganese	330	2543	465	283	453
Mercury	0.058	0.13	0.1	nd	nd
Nickel	2	62.8	15.8	26.5	8.9
Potassium	na	na	515	2590	1350
Sodium	na	na	151	188	171
Thallium	0.001	2.11	11.8	11.4	nd
Vanadium	0.5	108	51.5	44.3	53.7
Zinc	10	202	32.6	32.9	34.2

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-22
SWMU 58 - RFI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria		58SB1A		58SB2A		58SB2B		58SB3A		58SB3B	
FIELD ID			58SB1A		58SB2A		58SB2B		58SB3A		58SB3B	
SAMPLING DATE			02-APR-98		06-APR-98		07-APR-98		07-APR-98		08-APR-98	
DEPTH (ft)	BTAG	Background	15-19		46-48		57-58		15-17		38-40	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals												
Aluminum	1	40041	29,300		25,700		17,200		12,600		36,500	
Antimony	0.48	na	1.3	J	< 0.59		1.6	J	0.87	J	1.5	J
Arsenic	328	15.8	6.3		9.6		11.8		5		12.6	
Barium	440	209	76.1	J	160	J	80.7	J	62.4	J	144	J
Beryllium	0.02	1.02	0.56	B	1.5	J	1.3		0.7	B	2.7	J
Calcium	na	na	11,400		1,210		5,690		82,700		5,340	
Chromium	0.02	65.3	30		26.7		32.6		20.6		33.3	
Cobalt	0.1	72.3	9.6	J	34.9	J	12.6	J	6	J	10	J
Copper	15	53.5	22.2	J	11	B	35.7	J	17.9	J	43	J
Iron	3260	50962	35900		36300		51000		16300		64200	
Lead	2	26.8	27.6		19.4		18.3		28.4		23.5	
Magnesium	4400	na	7,410		2,460		9,450		42,100		5,460	
Manganese	330	2543	270		181		575		254		1110	J
Nickel	2	62.8	13.6	J	17.8	J	29.9	J	10.8	J	32.4	J
Potassium	na	na	1,810	J	1,960	J	3,140	J	2,300	J	2,860	J
Silver	0.0000098	na	< 0.24		< 0.24		< 0.26		< 0.23		0.37	J
Sodium	na	na	1,770	J	3,690	J	269	J	268	J	215	J
Thallium	0.001	2.11	< 0.71		< 0.71		1.2	J	< 0.69		< 0.88	
Vanadium	0.5	108	66.6	J	50.1	J	52.3	J	33.7	J	101	J
Zinc	10	202	59.1	J	36.6	J	134	J	40.3	J	96.2	J

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-23
SWMU 58 - RFI Detected Organic Results in Subsurface Soil - 1998

SITE ID		58SB1A	58SB2A	58SB2B	58SB3A
FIELD ID		58SB1A	58SB2A	58SB2B	58SB3A
SAMPLING DATE		02-APR-98	06-APR-98	07-APR-98	07-APR-98
DEPTH (ft)	BTAG	15-17	46-48	57-58	15-17
MATRIX	Soil Criteria	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatiles					
cis-1,2-Dichloroethene	0.3	< 0.76	< 0.75	< 0.75	0.73 J
Trichloroethene	0.3	< 0.76	< 0.75	< 0.75	2.7 J
Xylene (total)	0.1	< 0.76	0.18 J	< 0.75	< 0.75
Semivolatiles					
Anthracene	0.1	0.4	0.4 UJ	< 0.44	0.4 J
Benz[a]anthracene	0.1	0.22	< 0.002	0.0065	0.021
Benzo[a]pyrene	0.1	0.24	< 0.002	0.0042	0.038
Benzo[b]fluoranthene	0.1	0.23	< 0.0039	0.0057	0.063
Benzo[k]fluoranthene	0.1	0.11	< 0.002	0.0025	0.053
Chrysene	0.1	0.4	0.4 UJ	0.44	0.4
bis(2-Ethylhexyl)phthalate	na	0.18 J	0.4 UJ	< 0.44	0.053 J
Fluoranthene	0.1	0.66	0.4 UJ	0.44	0.4
Fluorene	0.1	0.4	0.4 UJ	< 0.44	0.4 J
Naphthalene	0.1	0.4 J	0.75 UJ	< 0.75	< 0.75
Phenanthrene	0.1	0.62	0.4 UJ	0.44	0.4
Pyrene	0.1	0.65	0.4 UJ	0.44	0.12 J

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-24
SWMU 59 - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria		59SS1	59SS2	59SS2*
FIELD ID			RVFS*110	RVFS*108	RVFS*109*
SAMPLING DATE			05-MAR-92	05-MAR-92	05-MAR-92
DEPTH (ft)	BTAG	Background	0-1	0-1	0-1
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals					
Aluminum	1	40041	11400	6270	8110
Arsenic	328	15.8	1.85	34	40
Barium	440	209	190	181	174
Beryllium	0.02	1.02	1.23	0.736	nd
Calcium	na	na	494	785	1390
Chromium	0.02	65.3	22	14.4	22.2
Cobalt	0.1	72.3	10.1	3.03	2.84
Copper	15	53.5	7.08	17	11.4
Iron	3260	50962	12700	20600	22200
Lead	2	26.8	15.3	30.6	22.7
Magnesium	4400	na	523	528	464
Manganese	330	2543	2560	38.9	97
Mercury	0.058	0.13	nd	0.575	0.546
Nickel	2	62.8	8.59	6.31	6.43
Potassium	na	na	377	530	402
Selenium	1.8	na	nd	0.646	0.752
Silver	0.0000098	na	nd	0.701	nd
Sodium	na	na	167	231	208
Vanadium	0.5	108	29.8	25.3	33.3
Zinc	10	202	24.4	41.6	35.7
SVOCs					
Phenanthrene	0.1	na	nd	0.4	0.2

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

* Duplicate sample of 58SS2 (RVFS*108)

Table A-25
Former Lead Furnace Area - VI Detected Soil Results - 1992

SITE ID	Comparison Criteria		17SB1	17SB1	17SB2	17SB2	17SB3	17SB3
FIELD ID			RFIS*75	RFIS*80	RFIS*82	RFIS*83	RFIS*84	RFIS*85
SAMPLING DATE			05-NOV-91	05-NOV-91	05-NOV-91	05-NOV-91	05-NOV-91	05-NOV-91
DEPTH (ft)	BTAG	Background	6.5-8	8-9	2.5-5	7.5-10	2.5-5	5.5-7
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals								
Aluminum	1	40041	15800	23400	15500	7460	33200	42300
Antimony	0.48	na	nd	nd	nd	249	nd	nd
Arsenic	328	15.8	3.46	3.06	5.6	5.77	2.65	3.84
Barium	440	209	93	70.9	27	183	73.6	106
Beryllium	0.02	1.02	1.09	1.09	nd	nd	2.45	2.71
Cadmium	3	0.69	nd	nd	nd	2.57	nd	nd
Calcium	na	na	3910	2000	1150	13900	1860	3890
Chromium	0.02	65.3	43.2	38.7	24.1	36.1	45.3	50.4
Cobalt	0.1	72.3	14.5	21.2	2.97	7.92	15.4	10.3
Copper	15	53.5	19.7	16.3	4.95	2260	38.2	23.8
Iron	3260	50962	20700	33900	22200	22200	45300	49000
Lead	2	26.8	25.3	19.9	20.9	100000	372	nd
Magnesium	4400	na	12400	13900	846	11100	8880	49100
Manganese	330	2543	426	577	130	246	453	575
Mercury	0.058	0.13	nd	nd	0.0615	64	0.104	nd
Nickel	2	62.8	22.4	25.8	4.13	52	45.3	35.2
Potassium	na	na	1450	1980	494	855	2580	8210
Silver	0.0000098	na	0.985	0.97	nd	23.9	nd	nd
Sodium	na	na	300	171	180	278	172	227
Thallium	0.001	2.11	12.9	14.2	nd	96.7	21.5	26.9
Vanadium	0.5	108	56.6	67.2	53.8	26.5	83.3	90.5
Zinc	10	202	68.6	60	23.5	801	124	67.6

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-26a
Former Lead Furnace Area - RFI Preliminary Soil Delineation Results - 1998

Sample	Sample Depth (ft)	Lead (mg/kg)
LFSB1A	0-1	128
LFSB1B	10-12	18
LFSB2A	0-2	580
LFSB2B	6-7	10.2
LFSB3A	0-2	51.1
LFSB3B	12-14	23.4
LFSB4A	8-10	15
LFSB5A	4-6	2070
LFSB5B	8-10	22.4
LFSB6A	2-4	27.5
LFSB6B	10-12	10
LFSB7A	0-2	943

Bold outline indicates that the value exceeds the BTAG screening level for lead of 2 mg/kg
Cell shading indicates that the value exceeds the background soil concentration of 26.8 mg/kg

Table A-26b
Former Lead Furnace Area - RFI Soil Confirmation Results - 1998

Sample	Associated Screening Sample	Sample Depth (ft)	Lead (mg/kg)
LFTP1	SS11	5-6	15.3
LFTP2	SS1	4-5	29.2
LFTP3	SS3	6-8	10.8
LFTP4	SS7	5-7	103
LFTP5	SS9/SS10	5-7	12.8
LFTP6	na	8-10	12.5
LFTP7	na	8-10	11
LFTP8	SS5	5-6	866

Bold outline indicates that the value exceeds the BTAG screening level for lead of 2 mg/kg
Cell shading indicates that the value exceeds the background soil concentration of 26.8 mg/kg

Table A-26c
Former Lead Furnace Area - RFI Boundary Delineation Soil Boring Results - 1998

Sample	Sample Depth (ft)	Lead (mg/kg)	TCLP Lead (µg/L)
LFSB8A	0.5-1	86.9	507
LFSB9A	0.5-1	189	NA
LFSB10A	0.5-1	279	NA
LFSB10B	2-2.5	326	NA
LFSB11A	0.5-1	179	NA

Bold outline indicates that the value exceeds the BTAG screening level for lead of 2 mg/kg
Cell shading indicates that the value exceeds the background soil concentration of 26.8 mg/kg

Table A-27
Building 4343 - TCLP Cadmium Soil Results - 1996

Sample ID	Cadmium TCLP Limits (ug/L)	Cadmium TCLP (ug/L)
4343-01-SVR	1000	14050
4343-02-SVR	1000	2850
4343-03-SVR	1000	590
4343-04-SVR	1000	1340
4343-05-SVR	1000	36800

Shading indicates that the value exceeds the TCLP criteria.

Table A-28
Building 4343 - Detected Metal Results in Surface Soil - 1999

FIELD ID	Comparison Criteria		B43SSB4	B43SSB5	B43SSB6	B43SSB7	B43SSB8	B43SSB9	B43SSB10	B43SSB11	B43SSB12
SAMPLING DATE	BTAG	Background	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999
DEPTH (ft)	Soil Criteria	Soil Levels	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals											
Aluminum	1	40041	15700	18100	15800	16900	23900	21400	25100	552	10800
Antimony	0.48	na	1.4 B	< 0.62	< 0.65	0.77 B	0.66 B	< 0.62	< 0.63	< 0.51	< 0.59
Arsenic	328	15.8	5.1 B	4.2 B	4.3 B	1.8 B	4.3 B	4.1 B	5.6 B	1.4 B	2.9 B
Barium	440	209	37	30.5	43.4	36.9	38.7	31.3	46.9	88.7	81
Beryllium	0.02	1.02	< 0.13	< 0.12	< 0.13	< 0.13	< 0.13	< 0.12	0.13 B	< 0.1	< 0.12
Cadmium	3	0.69	16.2	19.3	9.6	3.1	2.7	1.2	8.4	1.7	< 0.12
Calcium	na	na	1800	891	1130	824	664	1630	2420	91000	1220
Chromium	0.02	65.3	37	27	34.6	20	29.6	38.6	44.4	4.2	19.7
Cobalt	0.1	72.3	3.8 J	3.9 J	3.9 J	4.2 J	4.7 K	3.4 K	3.8 K	1.1 B	11.3 K
Copper	15	53.5	19.7	23.2	14.8	15.6	23.8	24.2	38.6	8.6	12
Iron	3260	50962	46400	43200	40400	40100	44900	44000	51400	2340	22400
Lead	2	26.8	14.8	16.6	22.4	15.7	28.4	11.2	16.6	3.1	9.7
Magnesium	4400	na	559 J	660	547 J	762	588 J	804	1240	8000	1350
Manganese	330	2543	152	122	138	136	193	88.2	108	70.5	486
Mercury	0.058	0.13	< 0.13	< 0.13	< 0.13	< 0.13	0.37	0.53	0.21	< 0.1	< 0.12
Nickel	2	62.8	5.2 J	6.8	5.8	6.8	7.9 K	7.1 K	8 K	< 0.1	7.5 K
Potassium	na	na	373 J	725	558 J	686	683	492	669	323 J	790
Selenium	1.8	na	< 0.53	< 0.5	< 0.52	< 0.52	< 0.52	< 0.5	< 0.5	1.1 K	< 0.47
Silver	0.0000098	na	0.46 B	0.42 B	0.38 B	0.27 B	0.48 B	0.36 B	0.53 B	< 0.1	0.15 B
Sodium	na	na	138 J	110 J	110 J	124 J	151 B	140 B	164 B	443 B	110 B
Vanadium	0.5	108	91.4	92.5	87.1	90.3	96.5	92.8	108	5.7 K	45.2
Zinc	10	202	28.4	36.8	34.5	37.9	42.6	32.9	47.8	8.6 B	52.7
Cyanide	0.005	na	< 0.26	14.8	< 0.26	< 0.26	< 0.26	< 0.25	< 0.26	< 0.2	< 0.24

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-28
Building 4343 - Detected Metal Results in Surface Soil - 1999

FIELD ID	Comparison Criteria		B43SSB13	B43SSB14	B43SSB15	B43SSB16	B43SSB17	B43SSB18	B43SSB28	B43SSD1
SAMPLING DATE	BTAG	Background	5/25/1999	5/25/1999	8/17/1999	8/17/1999	8/17/1999	8/17/1999	10/5/1999	5/25/1999
DEPTH (ft)	Soil Criteria	Soil Levels	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals										
Aluminum	1	40041	16900	20300	19700	15100	17100	18300	14600	5850
Antimony	0.48	na	< 0.63	< 0.64	1.7 B	1.2 B	1.7 B	3.1 B	< 0.63	41.2 J
Arsenic	328	15.8	4.2 B	2.2 B	4.8 B	3.5 B	4.4 B	5.1 B	4	4.9 B
Barium	440	209	42.2	35	98.8	74.1	77.8	77.8	33.6	242
Beryllium	0.02	1.02	< 0.13	< 0.13	0.69 B	0.28 B	0.81 B	1.1 B	0.38 B	< 0.13
Cadmium	3	0.69	6.3	9	2.6	0.5 J	137 J	339 J	< 0.13	24300
Calcium	na	na	1480	270 J	1810	601	9730	1990	401 J	16700
Chromium	0.02	65.3	34.1	22.8	27.6	27.9	46.2	160	26.7	1820
Cobalt	0.1	72.3	3.3 K	3.3 K	14.4	5.8	14	19.8	3.1 J	< 0.13
Copper	15	53.5	15.2	18	20.5	10.2	30.2	62.6	13.1	677
Iron	3260	50962	43300	32100	28200	23400	27900	32400	30000	33000
Lead	2	26.8	11.9	15.6	18.8	15.9	20.2	22.9	14.4	1410
Magnesium	4400	na	818	862	4120	622	8980	6250	403 J	1440
Manganese	330	2543	102	101	534	441	550	642	99.3	306
Mercury	0.058	0.13	< 0.13	< 0.13	< 0.11	< 0.11	< 0.11	< 0.11	< 0.13	< 0.12
Nickel	2	62.8	5.6 K	7.9 K	17	5.2	22.1	26.6	2.9 J	32.6
Potassium	na	na	485 J	884	2020 J	516 J	1780 J	2050 J	574 J	363 J
Selenium	1.8	na	< 0.5	< 0.51	< 0.56	0.6	< 0.55	< 0.55	< 0.63	< 0.51
Silver	0.0000098	na	0.34 B	0.32 B	0.11 UL	0.11 UL	0.11 UL	0.11 UL	0.87 J	36
Sodium	na	na	123 B	129 B	189 B	89.8 B	149 B	125 B	94.1 B	209 B
Vanadium	0.5	108	92.4	75.9	47.3	48.7	43.1	41.7	66.1	35.3
Zinc	10	202	31.3	32.1	60.6	29.9 K	56.5	69	19.1	1780
Cyanide	0.005	na	< 0.25	< 0.25	NT	NT	NT	NT	NT	< 0.26

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-28
Building 4343 - Detected Metal Results in Surface Soil - 1999

FIELD ID	Comparison Criteria		B43SSD2		B43SSD3		B43SSD4		B43SSD5		B43SSD6	
SAMPLING DATE	BTAG	Background	5/25/1999		5/25/1999		5/25/1999		5/25/1999		5/25/1999	
DEPTH (ft)	Soil Criteria	Soil Levels	0-1		0-1		0-1		0-1		0-1	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals												
Aluminum	1	40041	9970		7380		6200		9170		6790	
Antimony	0.48	na	2.2	B	1.4	B	1.5	B	3.2	B	5.3	B
Arsenic	328	15.8	5.3	B	2.9	B	3.8	B	3.2	B	3.6	B
Barium	440	209	42.8		58.4		28.9		26.7		31.9	
Beryllium	0.02	1.02	0.25	K	0.22	K	< 0.12		< 0.12		< 0.12	
Cadmium	3	0.69	157		124		134		222		1040	
Calcium	na	na	473	J	490	J	425	J	578	J	785	
Chromium	0.02	65.3	192		124		102		301		402	
Cobalt	0.1	72.3	5.1	K	4.6	K	3.6	K	2.2	K	2.9	K
Copper	15	53.5	63.8		60.4		43.5		72.9		127	
Iron	3260	50962	35300		17800		19100		22800		21900	
Lead	2	26.8	36.3		22.4		20.9		21		47	
Magnesium	4400	na	363	J	307	J	222	J	251	J	277	J
Manganese	330	2543	348		507		210		96.3		190	
Mercury	0.058	0.13	< 0.13		< 0.12		0.2		< 0.12		< 0.12	
Nickel	2	62.8	9.1	K	4.1	K	2.8	K	3.9	K	4.9	K
Potassium	na	na	450	J	301	J	272	J	394	J	326	J
Selenium	1.8	na	< 0.52		< 0.48		< 0.49		< 0.49		< 0.48	
Silver	0.0000098	na	0.54	B	0.65	B	0.33	B	< 0.12		0.32	B
Sodium	na	na	107	B	101	B	90.3	B	93.5	B	97.8	B
Vanadium	0.5	108	73.7		40		42.5		51.6		48	
Zinc	10	202	47.7		27.2		28.9		44.2		118	
Cyanide	0.005	na	14.1		< 0.25		< 0.24		< 0.25		< 0.25	

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-29
Building 4343 - Detected Metal Results in Subsurface Soil - 1999

FIELD ID	Comparison Criteria		B43SB4A		B43SB5A		B43SB6A		B43SB7A		B43SB8A		B43SB9A	
SAMPLING DATE	BTAG	Background	5/25/1999		5/25/1999		5/25/1999		5/25/1999		5/25/1999		5/25/1999	
DEPTH (ft)	Soil Criteria	Soil Levels	2-4		2-4		2-4		2-4		2-4		2-4	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals														
Aluminum	1	40041	17300		22300		19200		18000		18600		19500	
Antimony	0.48	na	0.66	B	0.9	B	< 0.63		0.71	B	< 0.68		0.67	B
Arsenic	328	15.8	2.5	B	3.2	B	2.4	B	3.1	B	3.3	B	3.2	B
Barium	440	209	25.5		38.4		37.1		30.3		26.8		25.9	
Beryllium	0.02	1.02	< 0.13		< 0.13		< 0.13		< 0.13		< 0.14		< 0.12	
Cadmium	3	0.69	2.9		0.76		0.69		0.56	J	0.41	J	< 0.12	
Calcium	na	na	601	J	255	J	586	J	430	J	949		275	J
Chromium	0.02	65.3	18.9		22.9		22.1		19		28		24.5	
Cobalt	0.1	72.3	3.7	J	5	J	5.1	J	4.1	J	4.2	J	3.5	J
Copper	15	53.5	27.6		19		18.2		16.5		17.8		16.5	
Iron	3260	50962	41100		43300		42900		39000		46100		45100	
Lead	2	26.8	14.1		15.3		15.9		15.9		88.6		13.6	
Magnesium	4400	na	610	J	776		1160		833		528	J	350	J
Manganese	330	2543	125		182		147		133		133		119	
Mercury	0.058	0.13	0.15		< 0.13		< 0.12		< 0.13		< 0.14		< 0.12	
Nickel	2	62.8	6.2		8.2		8.7		7.4		6.5		6.2	
Potassium	na	na	687		838		1110		832		529	J	488	J
Selenium	1.8	na	< 0.51		< 0.51		< 0.5		< 0.51		< 0.54		< 0.5	
Silver	0.0000098	na	0.35	B	0.38	B	0.42	B	0.39	B	0.41	B	0.35	B
Sodium	na	na	116	J	133	J	127	J	106	B	131	J	118	J
Thallium	0.001	2.11	< 0.9		< 0.89		< 0.88		< 0.9		< 0.95		< 0.87	
Vanadium	0.5	108	89.5		94.1		91.8		85.6		98.2		99.6	
Zinc	10	202	39.2		41.2		46.9		37.7		42.3		32.2	

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-29
Building 4343 - Detected Metal Results in Subsurface Soil - 1999

FIELD ID	Comparison Criteria		B43SB10A	B43SB11A	B43SB11B	B43SB12A	B43SB13A	B43SB14A
SAMPLING DATE	BTAG	Background	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999
DEPTH (ft)	Soil Criteria	Soil Levels	2-4	2-4	54.5-55	2-4	2-4	2-4
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals								
Aluminum	1	40041	20900	18300	12700	15500	20300	17600
Antimony	0.48	na	< 0.65	0.82 B	< 0.63	< 0.65	0.78 B	1.8 B
Arsenic	328	15.8	3.7 B	5 B	3.2 B	1.8 B	2.8 B	5.2 B
Barium	440	209	35.1	59.6	38.8	25.4 J	32.8	58.9
Beryllium	0.02	1.02	< 0.13	0.15 K	0.53 B	< 0.13	< 0.12	< 0.13
Cadmium	3	0.69	< 0.13	0.2 J	0.25 J	< 0.13	< 0.12	191
Calcium	na	na	1430	5160	467 J	1200	267 J	1530
Chromium	0.02	65.3	28	39.7	37.9	23.2	28.1	196
Cobalt	0.1	72.3	3.3 J	4 K	6.8 K	3.1 K	4.4 K	3 J
Copper	15	53.5	18.9	16.3	29.1	14.3	17.8	32
Iron	3260	50962	45600	46900	29300	42300	43200	43400
Lead	2	26.8	15.9	15	0.82 B	10	15.2	10.7
Magnesium	4400	na	622 J	2400	6150	487 J	683	515 J
Manganese	330	2543	118	183	345	111	147	95.1
Mercury	0.058	0.13	< 0.12	0.21	< 0.13	< 0.13	< 0.13	0.15
Nickel	2	62.8	7.1	5.9 K	20.3	5 K	8.4 K	6.5
Potassium	na	na	678	482 J	746	487 J	773	537 J
Selenium	1.8	na	< 0.52	< 0.48	< 0.51	< 0.52	< 0.5	< 0.51
Silver	0.0000098	na	0.41 B	0.48 B	0.17 B	0.28 B	0.25 B	1.6 K
Sodium	na	na	131 J	131 B	167 B	116 B	116 B	139 J
Thallium	0.001	2.11	< 0.91	< 0.83	< 0.89	1.2 J	< 0.87	< 0.89
Vanadium	0.5	108	98.5	97.4	29.4	94.6	96.2	94.1
Zinc	10	202	35.4	38.1	18.6	28.7	36.7	29.8

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-29
Building 4343 - Detected Metal Results in Subsurface Soil - 1999

FIELD ID	Comparison Criteria		B43SB15A		B43SB15B		B43SB16A		B43SB17A		B43SB17B		B43SB18A		B43SB19A		B43SB20A	
SAMPLING DATE	BTAG	Background	8/17/1999		8/17/1999		8/17/1999		8/17/1999		8/17/1999		8/17/1999		10/5/1999		10/5/1999	
DEPTH (ft)	Soil Criteria	Soil Levels	2-4		16-18		2-4		2-4		58-60		2-4		2-4		2-4	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																		
Aluminum	1	40041	11200		25100		32300		10800		28800		16200		43000		55300	
Antimony	0.48	na	0.6	B	0.9	B	2.2		< 0.57		1.6	B	0.64	B	< 1.4		< 1.3	
Arsenic	328	15.8	2.7	B	4.1	B	5.6	B	2	B	9.4	K	2.7	B	3.9	B	6	B
Barium	440	209	143		32.8		49.3		146		87.9		194		53.7	J	54.6	
Beryllium	0.02	1.02	0.67	B	1.6		0.28	B	0.48	B	1.2	B	0.83	B	0.7	B	0.92	B
Cadmium	3	0.69	0.29	J	0.52	J	1.8		15.9	J	< 0.13		3.2	J	< 0.28		< 0.26	
Calcium	na	na	1070		295	J	444	J	928		719		1150		1450		1410	
Chromium	0.02	65.3	24.6		21.1		54.6		27.7		36.1		30		81.5		55.6	
Cobalt	0.1	72.3	4.1	J	14.8		4	J	3.9	J	17.8		4.7	J	6.6	J	7.5	J
Copper	15	53.5	7.3		10.7		20.9		17.8		27.5		10.6		37.6		41.5	
Iron	3260	50962	10700		29100		46700		8160		44500		7730		96600		96500	
Lead	2	26.8	13.1		8		18.4		11.7		18.6		14.5		39		40.1	
Magnesium	4400	na	672		1710		1050		636		6130		899		645	J	1140	J
Manganese	330	2543	657		261		99.4		540		212		839		213		256	
Mercury	0.058	0.13	< 0.11		< 0.12		0.26		< 0.11		< 0.13		< 0.12		< 0.13		< 0.13	
Nickel	2	62.8	6.3		12.2		7.3		5.8		32.7		9.2		4.3	J	10.8	
Potassium	na	na	394	J	2960	J	1090	J	398	J	2990	J	616	J	1030	J	1400	J
Selenium	1.8	na	< 0.56		< 0.6		< 0.62		< 0.57		< 0.65		0.63		< 1.4		< 1.3	
Silver	0.0000098	na	0.11	UL	0.12	UL	0.12	UL	0.11	UL	0.13	UL	0.12	UL	1.4	J	2	J
Sodium	na	na	97.1	B	125	B	115	B	84.4	B	139	B	110	B	176	B	213	B
Thallium	0.001	2.11	< 0.79		< 0.84		< 0.87		< 0.8		< 0.91		< 0.81		2	UL	1.8	UL
Vanadium	0.5	108	27.7		25.4		96		24.7		59		23.4		203		194	
Zinc	10	202	26	K	42.4		49.8		25.4	K	62.2		39.6	K	48.2		68.8	K

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-29
Building 4343 - Detected Metal Results in Subsurface Soil - 1999

FIELD ID	Comparison Criteria		B43SB21A		B43SB22A		B43SB23A		B43SB24A		B43SB25A		B43SB26A	
SAMPLING DATE	BTAG	Background	10/5/1999		10/5/1999		10/5/1999		10/5/1999		10/5/1999		10/5/1999	
DEPTH (ft)	Soil Criteria	Soil Levels	2-4		2-4		2-4		2-4		2-4		2-4	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals														
Aluminum	1	40041	48200		44100		28900		47900		36400		23300	
Antimony	0.48	na	< 1.3		< 1.3		< 1.2		< 1.4		1.5	B	< 0.64	
Arsenic	328	15.8	8.2		5.9	B	6.8	B	7.5	B	8.2		3.9	
Barium	440	209	75.5		58		101		70.8		91.3		62.9	
Beryllium	0.02	1.02	0.98	B	0.93	B	0.96	B	1.3	B	1.1	B	0.9	B
Cadmium	3	0.69	4.7		57.1		< 0.23		2.9		< 0.25		9.9	
Calcium	na	na	6420		2850		26300		1190	J	708	J	329	J
Chromium	0.02	65.3	72.5		206		59.9		69.8		82.2		43.9	
Cobalt	0.1	72.3	7.4	J	7.4	J	7.4	J	6.7	J	5.7	J	4.9	J
Copper	15	53.5	44.7		35.4		36.1		45.8		33.5		34.7	
Iron	3260	50962	7000		99100		61000		1000		88300		53500	
Lead	2	26.8	42		36		31		39.3		34.3		18.5	
Magnesium	4400	na	3140		1340		7500		1350	J	1280		1060	
Manganese	330	2543	251		239		415		244		196		96.5	
Mercury	0.058	0.13	0.2		< 0.13		< 0.11		0.14		0.19		0.21	
Nickel	2	62.8	7.7	J	12.4		6.9	J	10.3	J	5.6	J	8.8	J
Potassium	na	na	1240	J	1200	J	1390	J	1370	J	1490	J	1260	
Selenium	1.8	na	< 1.3		< 1.3		< 1.2		< 1.4		< 1.3		< 0.64	
Silver	0.0000098	na	2.3	J	1.5	J	1.2	J	2	J	1	J	1.7	
Sodium	na	na	227	B	190	B	194	B	233	B	188	B	114	B
Thallium	0.001	2.11	1.8	UL	1.9	UL	1.6	UL	1.9	UL	1.8	UL	0.9	UL
Vanadium	0.5	108	205		196		124		202		156		97.7	
Zinc	10	202	79.6	K	62.5	K	55.4		57.5	K	46.6		41.6	

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-29
Building 4343 - Detected Metal Results in Subsurface Soil - 1999

FIELD ID	Comparison Criteria		B43SB27A		B43SB28A		B43SB29A		B43SB30A		B43SB31A		B43SB32A		B43SB33A	
SAMPLING DATE	BTAG	Background	10/5/1999		10/5/1999		10/5/1999		10/5/1999		10/5/1999		10/5/1999		10/5/1999	
DEPTH (ft)	Soil Criteria	Soil Levels	2-4		2-4		2-4		2-4		2-4		2-4		2-4	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																
Aluminum	1	40041	11600		18100		6860		8650		7920		9550		5740	
Antimony	0.48	na	< 1.1		< 0.61		< 0.56		< 0.55		< 0.58		< 0.61		< 0.58	
Arsenic	328	15.8	5	B	4.1		2.2		3.5		2.1		2.1		2.5	
Barium	440	209	72.5		32.2		91.6		113		104		194		65.1	
Beryllium	0.02	1.02	0.66	B	0.39	B	0.62	B	0.84	B	0.81	B	0.85	B	0.53	B
Cadmium	3	0.69	< 0.22		< 0.12		< 0.11		< 0.11		< 0.12		< 0.12		10.5	
Calcium	na	na	551	J	260	J	501	J	1020		923		1040		727	
Chromium	0.02	65.3	35.1		27.7		18.7		35.6		12.5		9.8		61.8	
Cobalt	0.1	72.3	5.9	J	3.1	J	3.5	J	4.5	J	7.3		3.7	J	3.2	J
Copper	15	53.5	10.6		12.4		6.9		8		12.9		8.3		7.3	
Iron	3260	50962	21000		32900		12400		17600		13600		6010		10800	
Lead	2	26.8	18.3		14.6		10.6		14.1		10		11.6		11.5	
Magnesium	4400	na	485	J	478	J	323	J	482	J	1460		564	J	266	
Manganese	330	2543	367		126		513		484		703		1220		200	J
Mercury	0.058	0.13	< 0.11		< 0.12		< 0.11		< 0.11		< 0.11		< 0.13		< 0.12	
Nickel	2	62.8	3.5	J	3.7	J	2.5	J	3.1	J	14.5	J	4.8	J	2.3	J
Potassium	na	na	478	J	678		236	J	317	J	368	J	320	J	166	J
Selenium	1.8	na	< 1.1		< 0.61		< 0.56		< 0.55		< 0.58		< 0.61		0.7	
Silver	0.0000098	na	0.55	J	0.73	J	0.23	J	0.47	J	0.24	J	0.28	J	0.16	J
Sodium	na	na	126	B	92.9	B	70.2	B	102	B	86.2	B	128	B	105	B
Thallium	0.001	2.11	1.5	UL	0.85	UL	0.78	UL	0.77	UL	0.81	UL	0.85	UL	0.81	UL
Vanadium	0.5	108	44.1		67.4		29.2		40.1		19.2		16.5		24.3	
Zinc	10	202	23	K	23.9		15.2		16.7		19.5		24.4		13	

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-30
Building 4343 - TCLP Metal Results in Surface Soil - 1999

FIELD ID	TCLP	B43SSB1	B43SSB2	B43SSB3	B43SSB13	B43SSB14	B43SSB15	B43SSB17	B43SSB18	B43SSB19
SAMPLING DATE	REGULATORY	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	8/17/1999	8/17/1999	8/17/1999	10/5/1999
DEPTH (ft)	LEVELS	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals										
Arsenic	5000	6.1	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Barium	100000	36.2	91.3	43.7	47.5	49.2	299	510	382	78
Cadmium	1000	15.5	3890	150	48.4	186	1.7	1040	6750	2.8
Chromium	5000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	19.5	< 1
Lead	5000	< 2	776	10	< 2	< 2	18.9	77.5	6.3	< 2
Mercury	200	< 0.2	< 0.2	< 0.2	< 0.2	0.43	< 0.2	< 0.2	< 0.2	< 0.2
Silver	5000	1.4	1.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Shading indicates that the value exceeds the TCLP criteria

Table A-30
Building 4343 - TCLP Metal Results in Surface Soil - 1999

FIELD ID	TCLP	B43SSB20	B43SSB21	B43SSB22	B43SSB23	B43SSB24	B43SSB25	B43SSB26	B43SSB27	B43SSB28
SAMPLING DATE	REGULATORY	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999
DEPTH (ft)	LEVELS	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals										
Arsenic	5000	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Barium	100000	107	170	211	231	198	186	168 J	201	139 J
Cadmium	1000	109	16.5	21.6	4.2	2.1	4.6	2.4 J	3.8	1.8 J
Chromium	5000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	5000	< 2	< 2	< 2	< 2	< 2	< 2	2.9 B	< 2	
Mercury	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Silver	5000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Shading indicates that the value exceeds the TCLP criteria

Table A-30
Building 4343 - TCLP Metal Results in Surface Soil - 1999

FIELD ID	TCLP	B43SSB29	B43SSB30	B43SSB31	B43SSB32	B43SSB33	B43SSD1	B43SSD3	B43SSD5
SAMPLING DATE	REGULATORY	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	5/25/1999	5/25/1999	5/25/1999
DEPTH (ft)	LEVELS	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals									
Arsenic	5000	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Barium	100000	281	349	426	257	304	672	76.4	51.4
Cadmium	1000	< 1	< 1	4.2 J	37.9	2140	26800	1520	2540
Chromium	5000	< 1	< 1	< 1	< 1	7.5 J	15.8	12.1	53.2
Lead	5000	< 2	3.2 B	< 2	< 2	< 2	12.1	< 2	< 2
Mercury	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Silver	5000	< 1	< 1	< 1	< 1	< 1	1.5	< 1	< 1

Shading indicates that the value exceeds the TCLP criteria

Table A-31
Building 4343 - TCLP Metal Results in Subsurface Soil - 1999

FIELD ID	TCLP	B43SB1A	B43SB2A	B43SB3A	B43SB13A	B43SB14A	B43SB15A	B43SB15B	B43SB16A	B43SB17B
SAMPLING DATE	REGULATORY	5/25/1999	5/25/1999	5/25/1999	5/25/1999	5/25/1999	8/17/1999	8/17/1999	8/17/1999	8/17/1999
DEPTH (ft)	LEVELS	2-4	2-4	2-4	2-4	2-4	2-4	16-18	2-4	58-60
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals										
Arsenic	5000	< 6	< 6	7.2	< 6	< 6	< 6	9.1	6	< 6
Barium	100000	38.3	49.5	38	44.7	85.2	513	287	154	484
Cadmium	1000	6.8	336	6.4	44.2	1350	< 1	51.7	44.6	1
Chromium	5000	< 1	8.1	< 1	< 1	2.1	< 1	5.3	1	< 1
Lead	5000	< 2	3.5	< 2	< 2	< 2	< 3	78.2	46.8	3.4
Mercury	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.2	< 0.2
Selenium	1000	< 4	< 4	< 4	< 4	< 4	< 5	< 5	5	< 5
Silver	5000	1.1	< 1	1	< 1	1.3	< 1	< 1	1	< 1

Shading indicates that the value exceeds the TCLP criteria

Table A-31
Building 4343 - TCLP Metal Results in Subsurface Soil - 1999

FIELD ID	TCLP	B43SB19A	B43SB20A	B43SB21A	B43SB22A	B43SB23A	B43SB24A	B43SB25A	B43SB26A	B43SB27A
SAMPLING DATE	REGULATORY	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999
DEPTH (ft)	LEVELS	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals										
Arsenic	5000	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Barium	100000	78.5	87	115	78.8	231	76	111	179 J	180
Cadmium	1000	< 1	15.6	10	50.1	< 1	41.9	< 1	350	< 1
Chromium	5000	< 1	< 1	< 1	159	< 1	< 1	< 1	< 1	< 1
Lead	5000	2.6	2.8	< 2	< 2	< 2	2.4	10.4	3.1 B	5.9
Mercury	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Selenium	1000	5.1	5.9	< 5	< 5	< 5	6.9	< 5	< 5	< 5
Silver	5000	< 1	< 1	< 1	1	< 1	< 1	< 1	< 1	< 1

Shading indicates that the value exceeds the TCLP criteria

Table A-31
Building 4343 - TCLP Metal Results in Subsurface Soil - 1999

FIELD ID	TCLP	B43SB28A	B43SB29A	B43SB30A	B43SB31A	B43SB32A	B43SB33A
SAMPLING DATE	REGULATORY	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999	10/5/1999
DEPTH (ft)	LEVELS	2-4	2-4	2-4	2-4	2-4	2-4
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals							
Arsenic	5000	< 6	< 6	< 6	< 6	< 6	< 6
Barium	100000	129 J	388	203	368	376	304
Cadmium	1000	10.7	< 1	< 1	< 1	< 1	19.2
Chromium	5000	< 1	< 1	< 1	< 1	< 1	< 1
Lead	5000	3.1 B	3.5 B	< 2	< 2	< 2	< 2
Mercury	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Selenium	1000	< 5	< 5	< 5	< 5	< 5	< 5
Silver	5000	< 1	< 1	< 1	< 1	< 1	< 1

Shading indicates that the value exceeds the TCLP criteria

Table A-32
Building 4343 - Detected Metal Results in Sumps - 1999

FIELD ID	Comparison Criteria		B43SL1		B43SL2	
SAMPLING DATE	BTAG	Background	5/25/1999		5/25/1999	
DEPTH (ft)	Sediment Criteria	Soil Levels	0-0.5		0-0.5	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg	
Metals						
Aluminum	na	40041	2560		4390	
Antimony	150	na	181	J	20.2	K
Arsenic	8.2	15.8	31.5		8.4	
Barium	na	209	1770		82.8	
Beryllium	na	1.02	0.18	K	0.18	K
Cadmium	1.2	0.69	8890		2540	
Calcium	na	na	18100		34800	
Chromium	81	65.3	8430		2130	
Cobalt	na	72.3	9.8	K	5.0	K
Copper	34	53.5	2390		365	
Iron	na	50962	30000		91500	
Lead	46.7	26.8	3320		242	
Magnesium	na	na	4550		17100	
Manganese	na	2543	583		584	
Mercury	0.15	0.13	0.28		< 0.12	
Nickel	20.9	62.8	84.2		21.4	
Potassium	na	na	554	J	532	J
Selenium	na	na	13.2		< 0.48	
Silver	1	na	5.9		11.8	
Sodium	na	na	229	B	213	B
Vanadium	na	108	59.6		25.9	
Zinc	150	202	3390		892	
Cyanide	na	na	136		25.2	

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-33
Building 4343 - Wipe Sample Results - 1999

FIELD ID	B43W1	B43W2	B43W3	B43W4	B43W5	B43W6
SAMPLING DATE	5/25/1999	5/25/1999	5/25/1999	8/18/1999	8/18/1999	8/18/1999
DEPTH (ft)	na	na	na	na	na	na
UNITS	mg/100 cm^2	mg/100 cm^2	mg/100 cm^2	mg/100 cm^2	mg/100 cm^2	mg/100 cm^2
Metals						
Aluminum	1410	672	606	194	NA	NA
Antimony	38.4 J	12.6 K	11.4 K	4.8 B	NA	NA
Arsenic	5.6 B	1.9 B	3.3 B	12.5 B	NA	NA
Barium	246	69.4	93.4	26.1	NA	NA
Beryllium	0.15 K	< 0.1	< 0.1	< 0.1	NA	NA
Cadmium	5740	876	1080	153 J	NA	NA
Calcium	13200	5510	6610	3470	NA	NA
Chromium	2510	222	273	67.2	NA	NA
Cobalt	2.9 K	2.3 K	1.4 B	0.67 J	NA	NA
Copper	353	101	115	40.9	NA	NA
Iron	19500	14500	6100	1300	NA	NA
Lead	511	157	206	50.4	NA	NA
Magnesium	1860	762	1150	927	NA	NA
Manganese	145	92	60.4	15.2	NA	NA
Mercury	NT	NT	NT	< 0.1	< 0.1	< 0.1
Nickel	14.8 K	5.2 K	7.2 K	1.6 J	NA	NA
Potassium	1500	1220	1460	245 J	NA	NA
Selenium	8.5	8.4	7.3	2	NA	NA
Silver	3 K	1.6 K	1.6 K	0.58 L	NA	NA
Sodium	2230	1510	1510	839 J	NA	NA
Thallium	< 0.7	< 0.7	< 0.7	2.2 B	NA	NA
Vanadium	8.4 K	3.5 K	2.7 K	1.1 J	NA	NA
Zinc	1260	503	555	118	NA	NA

No criteria are available for wipe samples.

Table A-34
BDDT - Preliminary Sampling Detected Soil Results - 1997

FIELD ID SAMPLING DATE UNITS	BTAG Soil Criteria mg/kg	SOIL/CREOSOTE SAMPLE 10/17/97 mg/kg
SVOCs		
Anthracene	0.1	200
Benz[a]anthracene	0.1	491
Benzo[b]fluoranthene	0.1	330
Benzo[g,h,i]perylene	0.1	168
Benzo[k]fluoranthene	0.1	96
Chrysene	0.1	314
Dibenz[a,h]anthracene	0.1	76.7
Fluoranthene	0.1	1302
Fluorene	0.1	183
Indeno[1,2,3-cd]pyrene	0.1	160
Naphthalene	0.1	57.2
Phenanthrene	0.1	1336
Pyrene	0.1	930

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-35
BDDT - Independent Sampling Detected Surface Water Results - 1998

SITE ID		SW-07
SAMPLING DATE		31-MAR-98
DEPTH (ft)	BTAG	na
MATRIX	Aqueous Criteria	CSW
UNITS	ug/L	ug/L
Metals		
Calcium	na	60,300
Iron	320	165
Magnesium	na	14,800
Potassium	na	2,800
Sodium	na	32,400

Table A-36
BDDT - Independent Sampling Detected Sediment Results - 1998

SITE ID	Comparison Criteria		SD-06	SD-07	SD-08
SAMPLING DATE			31-MAR-98	31-MAR-98	31-MAR-98
DEPTH (ft)	BTAG	Background	na	na	na
MATRIX	Sediment Criteria	Soil Levels	CSE	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals					
Aluminum	na	40041	21800	19000	13100
Arsenic	8.2	15.8	4.6	5	2.9
Barium	na	209	113	112	55.7
Beryllium	na	1.02	1.2	1.2	0.9
Calcium	na	na	26800	95300	1220
Chromium	81	65.3	39.2	49.3	27.2
Cobalt	na	72.3	19.1	15.8	16.1
Copper	34	53.5	16.6	32.1	45.5
Iron	na	50962	31700	31200	22400
Lead	46.7	26.8	16.5	33	58.7
Magnesium	na	na	10400	7540	4400
Manganese	na	2543	1250	960	815
Nickel	20.9	62.8	20.4	16.7	16.6
Potassium	na	na	2870	2280	1360
Sodium	na	na	nd	120	nd
Vanadium	na	108	60.5	56.6	42.4
Zinc	150	202	43.4	47.3	74.6
SVOCs					
Anthracene	0.853	na	nd	nd	0.40 J
Benz[a]anthracene	0.261	na	nd	nd	1.02
Benzo[a]pyrene	0.43	na	nd	nd	0.98
Benzo[b]fluoranthene	3.2	na	nd	nd	1.36
Benzo[k]fluoranthene	na	na	nd	nd	0.95
Bis(2-Ethylhexyl)phthalate	1.3	na	nd	0.07 J	nd
Chrysene	0.384	na	nd	nd	1.32
Fluoranthene	0.6	na	nd	nd	3.49
Indeno[1,2,3-cd]pyrene	0.6	na	nd	nd	0.42
Phenanthrene	0.24	na	nd	nd	2.68
Pyrene	0.665	na	nd	nd	2.23

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-37
BDDT (Unnamed Creek) - RI Detected Surface Water Results - 1998

SITE ID		DTSW1		DTSW1-2		DTSW2		DTSW2-2		DTSW3		DTSW3-2		DTSW4	
FIELD ID		DTSW1		DTSW1-2		DTSW2		DTSW2-2		DTSW3		DTSW3-2		DTSW4	
SAMPLING DATE		17-JUL-98		17-AUG-98		17-JUL-98		17-AUG-98		17-JUL-98		17-AUG-98		17-AUG-98	
DEPTH (ft)	BTAG	na		na		na		na		na		na		na	
MATRIX	Aqueous Criteria	CSW		CSW		CSW		CSW		CSW		CSW		CSW	
UNITS	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Metals															
Aluminum	25	68.5	B	82.3	J	67.9	B	78.5	J	76.7	B	49.8	J	67.4	J
Barium	10000	60.6	B	64.5	J	60.1	B	66.5	J	66.2	B	60	J	61	J
Calcium	na	50600	B	63100	J	50100	B	65000	J	55100	B	56000		59900	J
Copper	6.5	18.1	B	34.8	J	19.8	B	27.4	J	30.7	B	12	J	16.7	J
Iron	320	114	B	105		127	B	106		115	B	76.3	J	87.6	J
Lead	3.2	2		4.6	J	2		2.3	J	2		2		2	
Magnesium	na	13700	B	14100		13600	B	14600		15000	B	12700		13200	
Manganese	14500	5.6	B	3.4	J	5.3	B	3.6	J	5.4	B	4	J	3.4	J
Nickel	160	2.8	J	5.5	J	2.8	J	5	J	2.7	J	3.4	J	3.2	J
Potassium	na	1930	B	2490	J	1980	B	2510	J	2110	B	2340	J	2260	J
Silver	0.0001	2.1	B	2		2	UJ	2		2	UJ	2	UJ	2	
Sodium	na	26900		26500	J	26900		25300	J	29300		22400	J	25600	J
Thallium	40	2	UJ	2	UJ	5.7	B	6.1	J	2.3	B	2	UJ	7.2	J
Zinc	30	20.2	B	46.2	J	21.9	B	34.2	J	20.4	B	38.7	J	21.6	J
VOCs															
Bromodichloromethane	11000	< 0.6		< 0.6		< 0.6		< 0.6		< 0.6		23		< 0.6	
Chloroform	1240	< 0.8		< 0.8		< 0.8		< 0.8		< 0.8		4		< 0.8	
SVOCs															
Di-n-butylphthalate	0.3	2	B	< 10		3	B	< 10		< 10		< 10		< 10	

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-38
BDDT (Unnamed Creek) - RI Detected Metal Results in Sediment - 1998

SITE ID	Comparison Criteria		DTSD1	DTSD1-2	DTSD2	DTSD2-2	DTSD3	DTSD3-2	DTSD4
FIELD ID			DTSD1	DTSD1-2	DTSD2	DTSD2-2	DTSD3	DTSD3-2	DTSD4
SAMPLING DATE			17-JUL-98	17-AUG-98	17-JUL-98	17-AUG-98	17-JUL-98	17-AUG-98	17-AUG-98
DEPTH (ft)	BTAG	Background	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
MATRIX	Sediment Criteria	Soil Levels	CSE	CSE	CSE	CSE	CSE	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	na	40041	17,200	8,690	15,200	8,980	10,800	9,250	8,970
Arsenic	8.2	15.8	6.5	5 J	8	11.6 J	4.2	13.2	5.4 J
Barium	na	209	93.5 J	75 J	92 J	104 J	72.5 J	358 J	80.7 J
Beryllium	na	1.02	0.96 B	0.75 J	1.2 B	1.1	0.7 B	1.3 B	0.74 J
Calcium	na	na	59,900	60,400 J	50,800	88,100 J	64,100	62,600	98,600 J
Chromium	81	65.3	43.8	22.3	52.5	56.2	24.9	73	33.6
Cobalt	na	72.3	15.4 J	8.8 J	15 J	27.6 J	8.8 J	26.2 J	10.9 J
Copper	34	53.5	15 B	10.1 B	14.8 B	4.4 B	11.7 B	13.3 B	10.3 B
Iron	na	50962	29,900	20,400	32,300	44,900	17,300	56,200	20,200
Lead	46.7	26.8	18.1	17.8	21.2	23.5	14.2	28.6	15.3
Magnesium	na	na	6,620	3,070 B	6,790	7,720	3,750	4,560	6,130
Manganese	na	2543	468	904 J	614	1640 J	387	3340	539 J
Nickel	20.9	62.8	16.3 J	7.9 J	16.4 J	8 J	10.6 J	20.8 J	8.7 J
Potassium	na	na	2,140 J	776 J	1,930 J	1,760 J	1,180 J	1,250 J	1,670 J
Silver	1	na	0.86 B	< 0.35	< 0.35	< 0.28	< 0.35	0.28 UJ	< 0.31
Sodium	na	na	510 B	225 B	275 B	187 B	344 B	260 B	257 B
Thallium	na	2.11	0.3 UJ	1.1 B	0.38 B	0.28 UJ	0.35 UJ	0.76 B	0.31 UJ
Vanadium	na	108	56 J	33.5 J	55.5 J	69.5 J	31.6 J	75.7 J	34.7 J
Zinc	150	202	46.9 B	41.7 B	51.9 B	32.6 B	44.3 B	46.8 B	35.7 B

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-39
BDDT (Unnamed Creek) - RI Detected Organic Results in Sediment - 1998

SITE ID		DTSD1	DTSD1-2	DTSD2	DTSD3	DTSD3-2	DTSD4
FIELD ID		DTSD1	DTSD1-2	DTSD2	DTSD3	DTSD3-2	DTSD4
SAMPLING DATE		17-JUL-98	17-AUG-98	17-JUL-98	17-JUL-98	17-AUG-98	17-AUG-98
DEPTH (ft)	BTAG	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
MATRIX	Sediment Criteria	CSE	CSE	CSE	CSE	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PAHs							
Anthracene	0.853	< 0.003	< 0.06	< 0.003	< 0.003	0.047 UJ	0.033 J
Benz[a]anthracene	0.261	< 0.003	0.013 J	< 0.003	< 0.003	0.047 UJ	0.037 J
Benzo[a]pyrene	0.43	< 0.003	0.035 J	< 0.003	< 0.003	0.047 UJ	0.022 J
Benzo[g,h,i]perylene	0.67	< 0.006	< 0.12	< 0.0052	< 0.006	0.094 UJ	0.042 J
Benzo[k]fluoranthene	na	< 0.003	< 0.06	< 0.003	< 0.003	0.047 UJ	0.018 J
Chrysene	0.384	< 0.003	0.028 J	< 0.004	< 0.003	0.047 UJ	0.096
Fluoranthene	0.6	0.013	0.034 J	0.012	0.012	0.013 J	0.2
Indeno[1,2,3-cd]pyrene	0.6	< 0.003	< 0.06	< 0.003	< 0.003	0.047 UJ	0.044 J
Phenanthrene	0.24	0.0049	0.043 J	0.0042	0.0048	0.02 J	0.21
Pyrene	0.665	0.011	0.029 J	0.011	0.012	0.047 UJ	0.1
SVOCs							
Di-n-butylphthalate	1.4	< 0.5	0.081 B	< 0.58	< 0.59	< 0.47	0.092 B
VOCs							
4-Isopropyltoluene	na	< 0.001	0.004 J	< 0.002	< 0.002	< 0.001	< 0.001
Methylene chloride	na	< 0.002	< 0.002	< 0.002	< 0.002	0.005	< 0.002

Table A-40
BDDT - RI Detected Metal Results in Surface Soil - 1998

SITE ID	Comparison Criteria		DTSS1		DTSS2		DTSS3	
FIELD ID			DTSS1		DTSS2		DTSS3	
SAMPLING DATE			11-AUG-98		11-AUG-98		11-AUG-98	
DEPTH (ft)	BTAG	Background	0 - 0.5		0 - 0.5		0 - 0.5	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg	
Metals								
Aluminum	1	40041	15,000		15,800		20,100	
Arsenic	328	15.8	4.3		7.9		11.6	
Barium	440	209	72	J	63	J	73.5	J
Beryllium	0.02	1.02	1.1		0.76		1.5	
Calcium	na	na	1,440	B	1,890	B	2,560	B
Chromium	0.02	65.3	37		33.4		60.8	
Cobalt	0.1	72.3	29.8		446		40.8	J
Copper	15	53.5	33.9	J	138	J	40.8	
Iron	3260	50962	37,200		32,700		58,100	
Lead	2	26.8	157		336		82.5	
Magnesium	4400	na	12,800		6,700		13,500	
Manganese	330	2543	1,580		3,430		2,030	
Nickel	2	62.8	19.4	J	41.3	J	20.1	J
Potassium	na	na	2,280	J	1,670	J	3,980	J
Sodium	na	na	126	B	119	B	119	B
Vanadium	0.5	108	60.9	J	64.1	J	108	J
Zinc	10	202	178		137	B	109	B

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-41
BDDT - RI Detected Organic Results in Surface Soil- 1998

SITE ID		DTSS1		DTSS2		DTSS3	
FIELD ID		DTSS1		DTSS2		DTSS3	
SAMPLING DATE		11-AUG-98		11-AUG-98		11-AUG-98	
DEPTH (ft)	BTAG	0 - 0.5		0 - 0.5		0 - 0.5	
MATRIX	Soil Criteria	CSO		CSO		CSO	
UNITS	mg/kg	mg/kg		mg/kg		mg/kg	
SVOCs							
Acenaphthene	0.1	0.56		0.61		0.066	
Anthracene	0.1	0.61		0.86		0.14	J
Benz[a]anthracene	0.1	2.9		1.8		0.27	J
Benzo[a]pyrene	0.1	2.1		2		0.31	J
Benzo[b]fluoranthene	0.1	6.2	J	3	J	0.51	J
Benzo[g,h,i]perylene	0.1	0.84	J	0.75	J	0.14	J
Benzo[k]fluoranthene	0.1	2.7		1.2		0.39	J
Carbazole	na	1.9	J	1.4	J	0.17	J
Chrysene	0.1	3.5	J	2.1		0.43	
Dibenz[a,h]anthracene	0.1	0.4	J	0.38	J	0.048	J
Dibenzofuran	na	0.28	J	0.29	J	< 0.4	
Fluoranthene	0.1	6.8		4.8		0.87	
Fluorene	0.1	0.54		0.56		0.056	J
Indeno[1,2,3-cd]pyrene	0.1	0.82	J	0.77	J	0.14	J
Naphthalene	0.1	0.12	J	0.12	J	< 0.4	
Phenanthrene	0.1	6.3		4.7		0.68	
Pyrene	0.1	5.8		4.7		0.63	
VOCs							
1,2,4-Trimethylbenzene	na	0.004		< 0.002		0.003	J
xylene (total)	0.1	0.003		< 0.003		< 0.0028	

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-42
BDDT - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria		DTSB1		DTSB2		DTSB3		DTSB4		DTSB5		DTSB6	
FIELD ID			DTSB1		DTSB2		DTSB3		DTSB4		DTSB5		DTSB6	
SAMPLING DATE			12-AUG-98		12-AUG-98		12-AUG-98		12-AUG-98		12-AUG-98		12-AUG-98	
DEPTH (ft)	BTAG	Background	0.5-1.0		2.5-3.0		2.5-3.0		2.5-3.0		0.5-1.0		1.0-1.5	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals														
Aluminum	1	40041	11,600		11,800		11,200		12,900		11,000		16,000	
Antimony	0.48	na	< 0.67		< 0.57		4.8	J	< 0.58		< 0.62		< 0.61	
Arsenic	328	15.8	4.8		4.5		7		6.1		6.1		6.1	
Barium	440	209	53.3	J	54.9	J	48.9	J	47.3	J	32.4		41.7	J
Beryllium	0.02	1.02	0.9		0.72		0.57	B	0.66		0.61	B	0.59	B
Calcium	na	na	4,600	B	773	B	734	B	729	B	662	B	908	B
Chromium	0.02	65.3	30.1		37.6		27.2		31.4		33.9		32.3	
Cobalt	0.1	72.3	14.5		19.0		11.3		18.1		15.6		17.6	
Copper	15	53.5	17.2	B	31.1	J	68	J	21.3	J	10.4	B	35.3	J
Iron	3260	50962	29,100		32,000		29,000		30,500		30,800		32,100	
Lead	2	26.8	22.6		15.1		12.5		13.2		13.5		13.2	
Magnesium	4400	na	6,850		4,930		2,700		3,290		3,950		3,120	
Manganese	330	2543	408		812		515		790		543		587	
Nickel	2	62.8	38.4	J	10.3	J	8.4	J	9.4	J	9.5	J	11.3	J
Potassium	na	na	1,070	J	843	J	917	J	1180	J	1210	J	1440	J
Sodium	na	na	120	B	106	B	95.2	B	96.2	B	107	B	103	B
Thallium	0.001	2.11	0.27	UJ	< 0.23		0.22	UJ	0.23	UJ	0.25	UJ	0.24	UJ
Vanadium	0.5	108	45.3	J	52.3	J	44.6	J	55.8	J	50.7	J	56.3	J
Zinc	10	202	271	J	34.9	B	35	B	22.8	B	20.5	B	31.7	B

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-42
BDDT - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria		DTSB7		DTSB8		DTSB9		DTSB10		DTSB11		DTSB12	
FIELD ID			DTSB7		DTSB8		DTSB9		DTSB10		DTSB11		DTSB12	
SAMPLING DATE			12-AUG-98		12-AUG-98		12-AUG-98		12-AUG-98		12-AUG-98		12-AUG-98	
DEPTH (ft)	BTAG	Background	2.0-2.5		1.0-1.5		3.0-3.5		3.5-4.0		3.5-4.0		3.5-4.0	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals														
Aluminum	1	40041	10,700		9,990		11,100		10,100		7,770		11,800	
Antimony	0.48	na	1.5	B	1.8	B	1.7	B	1.9	B	2.1	B	2	B
Arsenic	328	15.8	7.3		6.3		7.3		6.5		6.4		7.2	
Barium	440	209	46.2	B	65.7	J	44.6	B	43.2	J	41.3	B	42.4	B
Beryllium	0.02	1.02	0.59	B	1.1	B	0.67	B	0.56	B	0.72	B	0.67	B
Calcium	na	na	786	B	874	B	966	B	901	B	769	B	961	B
Chromium	0.02	65.3	28.3		40.5		33.8		25.1		35		37.5	
Cobalt	0.1	72.3	15.3		26.3		17.2		13.7		13.8		8.4	J
Copper	15	53.5	40.5	J	20	B	113	J	11.6	B	37.4	J	21.6	B
Iron	3260	50962	28,600		32,100		29,700		23,500		29,400		32,500	
Lead	2	26.8	14		19.9		12.1		12.4		19.5		11.1	
Magnesium	4400	na	3,000	B	3,610		4,040	B	2,550		2,930	B	4,330	B
Manganese	330	2543	815		1660		536		847		612		303	
Nickel	2	62.8	7.9	J	9.8	J	11.2	J	7.7	J	7.4	J	10	J
Potassium	na	na	721	B	593	B	711	B	654	J	611	B	974	B
Sodium	na	na	47.2	B	57.7	B	68.3	B	42.7	B	45.6	B	42.3	B
Thallium	0.001	2.11	2	B	0.99	B	0.52	UJ	0.89	B	0.51	UJ	0.63	B
Vanadium	0.5	108	47.2	J	52.4	J	50.1	J	38.3	J	48.7	J	52.8	J
Zinc	10	202	28	B	38.7	B	26.3	B	31.4	B	34	B	22.3	B

Bold outline indicates that the value exceeds the BTAC
Cell shading indicates that the value exceeds the backg

Table A-42
BDDT - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria		DTSB13		DTSB14		DTSB15		DTSB16		DTSB17		DTSB18	
FIELD ID			DTSB13		DTSB14		DTSB15		DTSB16		DTSB17		DTSB18	
SAMPLING DATE			12-AUG-98		12-AUG-98		13-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98	
DEPTH (ft)	BTAG	Background	0.5-1.0		3.5-4.0		2.0-2.5		2.0-2.5		3.0-3.5		2.0-2.5	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals														
Aluminum	1	40041	10,100		12,600		10,600		14,700		15,400		15,100	
Antimony	0.48	na	2	B	2.1	B	4.8	J	< 0.61		< 0.62		0.6	
Arsenic	328	15.8	7.1		7		4.4		5.8		9.6		5.7	
Barium	440	209	48.7	B	61.9	B	47.9	J	48	J	72	J	45.2	J
Beryllium	0.02	1.02	0.97	B	1.1	B	0.71	B	0.91	B	1.3	B	0.79	B
Calcium	na	na	1060	B	638	B	934	B	1370	B	1680	B	1350	B
Chromium	0.02	65.3	27.8		29.4		40		38.1		53.5		32.8	
Cobalt	0.1	72.3	15.4		19.1		12.9	J	15.9	J	20.3	J	15.3	J
Copper	15	53.5	108	J	6.2	B	25.9	J	99.4	J	233	J	25.1	J
Iron	3260	50962	28,600		36,900		29,100		30,800		47,800		31,400	
Lead	2	26.8	18.4		20	B	16.1		32.9		47.1		13.5	
Magnesium	4400	na	2,830	B	4,430		3,360		5,700		5,810		5,270	
Manganese	330	2543	620		1040		712		553		1110		462	
Nickel	2	62.8	11.6	J	10.5	B	9	J	15.1	J	14.8	J	13.8	J
Potassium	na	na	766	B	859	UJ	917	J	1550	J	1890	J	1540	J
Sodium	na	na	27.4	B	25.4	B	86.2	B	105	B	108	B	103	B
Thallium	0.001	2.11	0.81	B	0.49	UJ	0.25	UJ	0.36	B	1	B	0.47	B
Vanadium	0.5	108	47.6	J	53.2	J	52.4	J	53.6	J	85	J	54.8	J
Zinc	10	202	50.7	B	22.6	B	36.1	B	81.7	B	101	B	40.1	B

Bold outline indicates that the value exceeds the BTAC
Cell shading indicates that the value exceeds the backg

Table A-42
BDDT - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria		DTSB19		DTSB20		DTSB21		DTSB22		DTSB23		DTSB35	
FIELD ID			DTSB19		DTSB20		DTSB21		DTSB22		DTSB23		DTSB35	
SAMPLING DATE			18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98	
DEPTH (ft)	BTAG	Background	2.0-2.5		2.0-2.5		2.0-2.5		2.0-2.5		2.0-2.5		0.5-1.0	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals														
Aluminum	1	40041	17,000		16,300		8,560		13,600		12,500		14,600	
Antimony	0.48	na	< 0.63		< 0.61		< 0.63		< 0.60		< 0.64		< 0.66	
Arsenic	328	15.8	5.7		7.1		2.6		5.4		3.4		4.6	
Barium	440	209	48.5	J	49.3	J	62.8	J	48.4	J	63.6	J	73.8	J
Beryllium	0.02	1.02	0.96	B	1	B	0.78	B	0.89	B	0.92	B	1.1	B
Calcium	na	na	1550	B	1300	B	1330	B	1250	B	1160	B	1650	B
Chromium	0.02	65.3	32.5		38		38.4		40.7		29.3		47.2	
Cobalt	0.1	72.3	15.2	J	15.4	J	12.3	J	12.0	J	16.4	J	16.9	
Copper	15	53.5	12.9	B	33.3	J	110	J	23.8	J	10	B	136	
Iron	3260	50962	30,000		38,900		23,900		34,800		26,200		29,600	
Lead	2	26.8	11.4		18.9		62.7		13		11.8		66.9	
Magnesium	4400	na	6,630		5,790		3,310		7,890		5,870		5,090	
Manganese	330	2543	470		564		541		437		918		746	
Nickel	2	62.8	16.2	J	13.5	J	9	J	14.8	J	13.8	J	15.4	
Potassium	na	na	1850	J	1720	J	839	J	1880	J	1380	J	1430	J
Sodium	na	na	104	B	99.8	B	86.9	B	107	B	91	B	173	B
Thallium	0.001	2.11	0.25	UJ	0.24	UJ	0.31	B	0.53	B	0.99	B	0.51	B
Vanadium	0.5	108	53.7	J	70.2	J	40.6	J	59.4	J	47.9	J	52.6	J
Zinc	10	202	32	B	40.4	B	60.3	B	34.9	B	29.5	B	157	B

Bold outline indicates that the value exceeds the BTAC
Cell shading indicates that the value exceeds the backg

Table A-42
BDDT - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria		DTSB36		DTSB37		DTSB38		DTSB39		DTSB40		DTSB41	
FIELD ID			DTSB36		DTSB37		DTSB38		DTSB39		DTSB40		DTSB41	
SAMPLING DATE			18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98	
DEPTH (ft)	BTAG	Background	0.5-1.0		0.5-1.0		0.5-1.0		0.5-1.0		0.5-1.0		0.5-1.0	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals														
Aluminum	1	40041	15,000		15,900		14,000		19,900		15,600		10,700	
Antimony	0.48	na	< 0.62		< 0.62		< 0.64		< 0.68		< 0.63		< 0.63	
Arsenic	328	15.8	7		6.7		5.2		6.1		5.2		3.3	
Barium	440	209	47.2	J	58.4	J	60.8	J	71.4	J	70.6	J	39.1	J
Beryllium	0.02	1.02	1	B	1.3	B	0.99	B	1.4	B	1.1	B	0.86	B
Calcium	na	na	1280	B	1510	B	1580	B	1460	B	1290	B	1210	B
Chromium	0.02	65.3	51.9		58		43.6		38.3		41.2		19.8	
Cobalt	0.1	72.3	17.0		28.7		20.6		15.6		19.4		10.7	
Copper	15	53.5	12.7	B	14.9	B	47.1		21.9		20.2		14	B
Iron	3260	50962	41,300		41,600		29,500		37,400		31,900		23,200	
Lead	2	26.8	13.6		17.9		72.8		12.8		16.4		10.3	
Magnesium	4400	na	6,670		8,930		6,080		11,400		7,610		2,950	
Manganese	330	2543	815		1490		1070		703		1060		390	
Nickel	2	62.8	14.4		17.1		14.1		25.5		17.1		11.8	
Potassium	na	na	1710	J	1870	J	1770		2880	J	2190	J	974	J
Sodium	na	na	193	B	165	B	168	B	166	B	141	B	94.3	B
Thallium	0.001	2.11	0.25	UJ	0.25	UJ	0.26	UJ	0.27	UJ	0.25	UJ	0.25	UJ
Vanadium	0.5	108	69.7	J	71.6	J	53.4	J	63.4	J	59.5	J	38.1	J
Zinc	10	202	78.8	B	35.2	B	119	B	46.6	B	67.8	B	36	B

Bold outline indicates that the value exceeds the BTAC
Cell shading indicates that the value exceeds the backg

Table A-42
BDDT - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria		DTSB42		DTSB43		DTSB44		DTSB45	
FIELD ID			DTSB42		DTSB43		DTSB44		DTSB45	
SAMPLING DATE			18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98	
DEPTH (ft)	BTAG	Background	0.5-1.0		0.5-1.0		0.5-1.0		0.5-1.0	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
Metals										
Aluminum	1	40041	13,200		16,000		28,500		8,890	
Antimony	0.48	na	< 0.65		< 0.64		< 0.67		< 0.65	
Arsenic	328	15.8	7.6		7.4		5.7		3.6	
Barium	440	209	64.8	J	60.3	J	63.6	J	45.5	J
Beryllium	0.02	1.02	1.2	B	1.1	B	1.6	J	0.74	B
Calcium	na	na	1680	B	1280	B	1530	B	920	B
Chromium	0.02	65.3	63.4		50.2		36		27.3	
Cobalt	0.1	72.3	21.1		22.1		13.3		13.3	
Copper	15	53.5	30.9		26.3		24.3		19.4	
Iron	3260	50962	43,500		42,600		47,500		20,000	
Lead	2	26.8	34.4		39.2		7.9		22.7	
Magnesium	4400	na	5,390		9,120		19,100		4,000	
Manganese	330	2543	1170		1190		571		746	
Nickel	2	62.8	14		16.1		24.2		9.6	
Potassium	na	na	1590	J	2370	J	3890	J	886	J
Sodium	na	na	123	B	114	B	138	B	97.6	B
Thallium	0.001	2.11	0.26	UJ	0.26	UJ	0.3	B	1	B
Vanadium	0.5	108	77	J	75.7	J	72.5	J	36.6	J
Zinc	10	202	102	B	137	B	58.6	B	54.4	B

Bold outline indicates that the value exceeds the BTAC
Cell shading indicates that the value exceeds the backg

Table A-43
BDDT - RI Detected Organic Results in Subsurface Soil - 1998

SITE ID		DTSB1	DTSB2	DTSB3	DTSB4	DTSB7
FIELD ID		DTSB1	DTSB2	DTSB3	DTSB4	DTSB7
SAMPLING DATE		12-AUG-98	12-AUG-98	12-AUG-98	12-AUG-98	12-AUG-98
DEPTH (ft)	BTAG	0.5 - 1.0	2.5 - 3.0	2.5 - 3.0	2.5 - 3.0	2.0 - 2.5
MATRIX	Soil Criteria	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs						
1,4-Dichlorobenzene	0.1	< 0.46	< 0.39	< 0.38	< 0.39	< 0.41
2,4-Dinitrotoluene	na	< 0.46	< 0.39	< 0.38	< 0.39	< 0.41
2-Methylnaphthalene	na	< 0.46	< 0.39	< 0.38	< 0.39	< 0.41
3,3'-Dichlorobenzidine	na	< 0.9	< 0.76	< 0.76	< 0.77	< 0.8
4-Methylphenol	0.1	< 0.46	< 0.39	< 0.38	< 0.39	< 0.41
4-Nitrophenol	0.1	< 2.3	< 1.9	< 1.9	< 2	< 2.1
Acenaphthene	0.1	< 0.022	< 0.022	< 0.021	< 0.02	< 0.02
Acenaphthylene	0.1	< 0.043	< 0.044	< 0.041	< 0.04	< 0.04
Anthracene	0.1	0.0087	< 0.0022	< 0.0021	< 0.002	< 0.002
Benz[a]anthracene	0.1	0.023	< 0.0022	< 0.0021	< 0.002	< 0.002
Benzo[a]pyrene	0.1	0.039	< 0.0022	< 0.0021	0.003	< 0.002
Benzo[b]fluoranthene	0.1	0.041 J	< 0.0044	< 0.0041	< 0.004	0.0007 J
Benzo[g,h,i]perylene	0.1	0.0098	< 0.0044	< 0.0041	< 0.004	< 0.004
Benzo[k]fluoranthene	0.1	0.025	< 0.0022	< 0.0021	< 0.002	0.0012 J
Carbazole	na	< 0.46	< 0.39	< 0.38	< 0.39	< 0.41
Chrysene	0.1	0.03 J	< 0.0022	< 0.0021	< 0.002	0.0005 J
Dibenz[a,h]anthracene	0.1	0.0018	0.0044 UJ	0.0041 UJ	0.004 UJ	0.004 UJ
Dibenzofuran	na	< 0.46	< 0.39	< 0.38	< 0.39	< 0.41
Diethylphthalate	na	< 0.46	< 0.39	< 0.38	< 0.39	0.07 J
Di-n-butylphthalate	na	0.12 B	< 0.39	< 0.38	< 0.39	< 0.41
Fluoranthene	0.1	0.077	0.0025 J	< 0.0041	0.0018 J	0.0016 J
Fluorene	0.1	< 0.0043	< 0.0044	< 0.0041	< 0.004	< 0.004
Indeno[1,2,3-cd]pyrene	0.1	0.022	< 0.0022	< 0.0021	< 0.002	0.0008 J
Naphthalene	0.1	< 0.022	< 0.022	< 0.021	< 0.02	< 0.02
Pentachlorophenol	0.1	< 2.3	< 1.9	< 1.9	< 2	< 2.1
Phenanthrene	0.1	0.045	< 0.0022	< 0.0021	< 0.002	< 0.002
Pyrene	0.1	0.078	0.0026	0.005	< 0.002	0.0016 J

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-43
BDDT - RI Detected Organic Results in Subsurface Soil - 1998

SITE ID		DTSB8	DTSB9	DTSB10	DTSB11	DTSB12	DTSB13
FIELD ID		DTSB8	DTSB9	DTSB10	DTSB11	DTSB12	DTSB13
SAMPLING DATE		12-AUG-98	12-AUG-98	12-AUG-98	12-AUG-98	12-AUG-98	12-AUG-98
DEPTH (ft)	BTAG	1.0 - 1.5	3.0 - 3.5	3.5 - 4.0	3.5 - 4.0	3.5 - 4.0	0.5 - 1.0
MATRIX	Soil Criteria	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs							
1,4-Dichlorobenzene	0.1	< 0.43	< 0.44	< 0.43	< 0.43	< 0.43	< 0.43
2,4-Dinitrotoluene	na	< 0.43	< 0.44	< 0.43	< 0.43	< 0.43	< 0.43
2-Methylnaphthalene	na	0.06 J	0.09 J	< 0.43	< 0.43	< 0.43	< 0.43
3,3'-Dichlorobenzidine	na	< 0.83	0.12 J	< 0.82	< 0.83	< 0.82	< 0.83
4-Methylphenol	0.1	< 0.43	< 0.44	< 0.43	< 0.43	< 0.43	< 0.43
4-Nitrophenol	0.1	< 2.2	< 14	< 14	< 14	< 14	< 14
Acenaphthene	0.1	< 0.42	< 0.43	< 0.41	< 0.43	< 0.021	< 0.41
Acenaphthylene	0.1	< 0.84	< 0.85	< 0.82	< 0.86	< 0.041	< 0.82
Anthracene	0.1	0.33	0.54	0.25	0.021 J	0.0008 J	0.094
Benz[a]anthracene	0.1	0.8	0.88	0.34	0.021 J	0.0011 J	0.27
Benzo[a]pyrene	0.1	0.83	0.85	0.41	0.029 J	0.0021	0.23
Benzo[b]fluoranthene	0.1	0.94	1.2	0.44	0.045 J	0.0043	0.36
Benzo[g,h,i]perylene	0.1	0.29 J	0.56 J	0.14 J	< 0.086	0.0017 J	0.099 J
Benzo[k]fluoranthene	0.1	0.67	0.43	0.16	0.023 J	0.0018 J	0.15
Carbazole	na	0.57	0.57	< 0.43	0.11 J	< 0.43	< 0.43
Chrysene	0.1	0.87	1	0.42	0.047	0.003	0.34
Dibenz[a,h]anthracene	0.1	0.081 J	0.085 UJ	0.082 UJ	0.086 UJ	0.0041 UJ	0.082 UJ
Dibenzofuran	na	0.23 J	1.1	< 0.43	< 0.43	< 0.43	< 0.43
Diethylphthalate	na	0.05 J	0.17 J	0.09 J	0.12 J	0.06 J	0.21 J
Di-n-butylphthalate	na	< 0.43	< 0.44	< 0.43	< 0.43	< 0.43	< 0.43
Fluoranthene	0.1	2.6	3.2	1.2	0.12	0.0056	0.86
Fluorene	0.1	0.11	0.19	0.059 J	< 0.086	< 0.0041	< 0.082
Indeno[1,2,3-cd]pyrene	0.1	0.43	0.57	0.24	0.029 J	0.0021	0.2
Naphthalene	0.1	< 0.42	< 0.43	< 0.41	< 0.43	< 0.021	< 0.41
Pentachlorophenol	0.1	< 2.2	< 2.2	< 2.1	< 2.2	< 2.1	< 2.2
Phenanthrene	0.1	1.8	2.5	1.1	0.13	0.0028	0.37
Pyrene	0.1	1.9	2.4	0.94	0.12	0.0053	0.69

Bold outline indicates that the value exceeds the BTAG screening l

Table A-43
BDDT - RI Detected Organic Results in Subsurface Soil - 1998

SITE ID		DTSB14	DTSB15	DTSB16	DTSB17	DTSB18	DTSB19	DTSB20
FIELD ID		DTSB14	DTSB15	DTSB16	DTSB17	DTSB18	DTSB19	DTSB20
SAMPLING DATE		12-AUG-98	13-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98
DEPTH (ft)	BTAG	3.5 - 4.0	2.0 - 2.5	2.0 - 2.5	3.0 - 3.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5
MATRIX	Soil Criteria	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs								
1,4-Dichlorobenzene	0.1	< 0.42	0.42	< 0.47	< 0.42	< 0.41	< 0.41	< 0.41
2,4-Dinitrotoluene	na	< 0.42	0.42	< 0.47	< 0.42	< 0.41	< 0.41	< 0.41
2-Methylnaphthalene	na	< 0.42	0.42	0.074 J	0.29 J	0.092 J	< 0.41	< 0.41
3,3'-Dichlorobenzidine	na	< 0.81	0.82	< 0.93	0.83 UJ	< 0.81	< 0.81	< 0.8
4-Methylphenol	0.1	< 0.42	0.42	< 0.47	< 0.42	< 0.41	< 0.41	< 0.41
4-Nitrophenol	0.1	< 14	2.1	< 2.4	< 2.1	< 2.1	< 2.1	< 2
Acenaphthene	0.1	< 0.021	< 0.021	4 J	1.6 J	< 0.21	< 0.021	< 0.11
Acenaphthylene	0.1	< 0.041	< 0.041	< 17	< 8.8	< 0.41	< 0.041	< 0.21
Anthracene	0.1	0.022	0.0056	11	4.9	0.065	0.0046	0.085
Benz[a]anthracene	0.1	0.046	0.0077	19.58	6.6	0.11	0.0024	0.18
Benzo[a]pyrene	0.1	0.051	0.0071	21.88	7.4	1.6	0.0032	0.21
Benzo[b]fluoranthene	0.1	0.064	0.0089	27	8.4	0.18	0.0049	0.26
Benzo[g,h,i]perylene	0.1	0.031 J	0.0025 J	10.1 J	3.2 J	< 0.041	0.0024 J	0.11 J
Benzo[k]fluoranthene	0.1	0.029	0.008	10.4	3.5	1.5	0.0024	0.12
Carbazole	na	< 0.42	0.073 J	1.4	1.7 J	1.3 J	< 0.41	0.5 J
Chrysene	0.1	0.061	0.01	25.59	7.1	0.13	0.004	0.24
Dibenz[a,h]anthracene	0.1	0.0035 J	0.0041 UJ	1.3 J	0.43 J	< 0.041	< 0.0041	0.014 J
Dibenzofuran	na	< 0.42	< 0.42	0.44 J	0.74	0.43	< 0.41	0.15 J
Diethylphthalate	na	0.11 J	< 0.42	< 0.47	< 0.42	< 0.41	< 0.41	< 0.41
Di-n-butylphthalate	na	< 0.42	< 0.42	< 0.47	< 0.42	< 0.41	< 0.41	< 0.41
Fluoranthene	0.1	0.16	0.027	76.11	23.18	0.4	0.013	0.57
Fluorene	0.1	0.011	0.0026 J	6.2	2.3	< 0.041	0.0042	0.04
Indeno[1,2,3-cd]pyrene	0.1	0.031	0.0055	11.6	4.1	0.15	0.0035	0.12
Naphthalene	0.1	< 0.021	< 0.021	< 8.5	7.8	< 0.21	0.006 J	< 0.11
Pentachlorophenol	0.1	< 2.1	< 2.1	< 2.4	< 2.1	< 2.1	< 2.1	< 2
Phenanthrene	0.1	0.13	0.027	67.13	21.31	0.28	0.024	0.41
Pyrene	0.1	0.12	0.023	56.25	17.65	0.33	0.011	0.45

Bold outline indicates that the value exceeds the BTAG screening l

Table A-43
BDDT - RI Detected Organic Results in Subsurface Soil - 1998

SITE ID		DTSB21		DTSB22		DTSB23		DTSB35		DTSB37		DTSB38	
FIELD ID		DTSB21		DTSB22		DTSB23		DTSB35		DTSB37		DTSB38	
SAMPLING DATE		18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98		18-AUG-98	
DEPTH (ft)	BTAG	2.0 - 2.5		2.0 - 2.5		2.0 - 2.5		0.5 - 1.0		0.5 - 1.0		0.5 - 1.0	
MATRIX	Soil Criteria	CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
SVOCs													
1,4-Dichlorobenzene	0.1	3.2		< 0.41		< 0.42		< 0.43		< 0.41		< 0.42	
2,4-Dinitrotoluene	na	0.06	J	< 0.41		< 0.42		< 0.43		< 0.41		< 0.42	
2-Methylnaphthalene	na	1.2		< 0.41		< 0.42		0.098	J	< 0.41		< 0.42	
3,3'-Dichlorobenzidine	na	< 168.8		< 0.8		< 0.82		0.86	UJ	< 0.81		< 0.83	
4-Methylphenol	0.1	0.1	J	< 0.41		< 0.42		< 0.43		< 0.41		< 0.42	
4-Nitrophenol	0.1	5.5	J	< 2		< 2.1		< 2.2		< 2.1		< 2.1	
Acenaphthene	0.1	< 0.6		0.46	J	< 0.021		0.4	J	< 0.021		< 0.022	
Acenaphthylene	0.1	< 1.2		< 1.6		< 0.042		< 0.85		< 0.042		< 0.043	
Anthracene	0.1	0.92		1.3		< 0.0021		0.71		0.0008	J	< 0.022	
Benz[a]anthracene	0.1	1.5		2		0.0007	J	1.7		0.0006	J	0.0009	J
Benzo[a]pyrene	0.1	1.7		2.1		< 0.0021		1.8	J	0.0018	J	0.0021	J
Benzo[b]fluoranthene	0.1	2.1		2.8		< 0.0042		2.3		0.0021	J	0.0031	J
Benzo[g,h,i]perylene	0.1	0.88	J	1.1	J	< 0.0042		0.8	J	0.0006	J	0.001	J
Benzo[k]fluoranthene	0.1	0.81		1.1		< 0.0021		0.93		0.0011	J	0.0019	J
Carbazole	na	< 85.7		0.29	J	< 0.42		3.5	J	< 0.41		< 0.42	
Chrysene	0.1	1.7		2.3		0.0019	J	2		0.0015	J	0.0025	
Dibenz[a,h]anthracene	0.1	0.11	J	0.15	J	< 0.0042		0.12		< 0.0042		< 0.0043	
Dibenzofuran	na	2		0.068	J	< 0.42		0.8		< 0.41		< 0.42	
Diethylphthalate	na	< 0.43		< 0.41		< 0.42		< 0.43		< 0.41		< 0.42	
Di-n-butylphthalate	na	< 85.7		< 0.41		< 0.42		< 0.43		< 0.41		< 0.42	
Fluoranthene	0.1	5.3		7.2		0.005		5.8	J	0.0046	J	0.0052	J
Fluorene	0.1	0.51		0.75		< 0.0042		< 0.085		< 0.0042		< 0.0043	
Indeno[1,2,3-cd]pyrene	0.1	0.97		1.2		0.0028		1		0.001	J	0.002	J
Naphthalene	0.1	< 0.6		< 0.8		< 0.021		< 0.43		< 0.021		< 0.022	
Pentachlorophenol	0.1	0.47	J	< 2		< 2.1		< 2.2		< 2.1		< 2.1	
Phenanthrene	0.1	4.3		6		0.0033		4		0.0036		0.0043	
Pyrene	0.1	4		5.3		0.0047		4.2		0.004		0.0055	

Bold outline indicates that the value exceeds the BTAG screening l

Table A-43
BDDT - RI Detected Organic Results in Subsurface Soil - 1998

SITE ID		DTSB39	DTSB40	DTSB41	DTSB42	DTSB43	DTSB44	DTSB45
FIELD ID		DTSB39	DTSB40	DTSB41	DTSB42	DTSB43	DTSB44	DTSB45
SAMPLING DATE		18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98	18-AUG-98
DEPTH (ft)	BTAG	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0
MATRIX	Soil Criteria	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs								
1,4-Dichlorobenzene	0.1	< 0.45	< 0.42	< 0.41	< 0.43	< 0.42	< 0.45	< 0.43
2,4-Dinitrotoluene	na	< 0.45	< 0.42	< 0.41	< 0.43	< 0.42	< 0.45	< 0.43
2-Methylnaphthalene	na	< 0.45	< 0.42	< 0.41	< 0.43	< 0.42	0.19 J	< 0.43
3,3'-Dichlorobenzidine	na	< 0.89	< 0.82	< 0.81	< 0.84	< 0.83	< 0.88	< 0.84
4-Methylphenol	0.1	< 0.45	< 0.42	< 0.41	< 0.43	< 0.42	< 0.45	< 0.43
4-Nitrophenol	0.1	< 2.3	< 0.42	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1
Acenaphthene	0.1	< 0.021	< 0.11	< 0.021	0.26 J	0.38 J	2.4 J	< 0.43
Acenaphthylene	0.1	< 0.041	< 0.21	< 0.042	< 0.83	< 1.2	< 8.3	< 0.85
Anthracene	0.1	< 0.0021	< 0.011	0.0044	0.64	1.3	6.4	0.49
Benz[a]anthracene	0.1	0.0011 J	0.13	0.006	1.4	1.9	9.6	1.2
Benzo[a]pyrene	0.1	0.0024 J	0.15 J	0.012 J	1.7 J	1.9 J	10.4 J	1.3 J
Benzo[b]fluoranthene	0.1	0.0039	0.37	0.013	2.3	2.5	12.74	1.9
Benzo[g,h,i]perylene	0.1	< 0.0041	0.17 J	0.0049 J	0.81 J	0.77 J	3.9 J	0.72 J
Benzo[k]fluoranthene	0.1	0.0034	0.14	0.011	1	1.2	6	0.82
Carbazole	na	0.08 J	< 0.42	0.35 J	0.072 J	< 0.42	8.2 J	< 0.43
Chrysene	0.1	0.0032	0.22	0.011	1.8	2.2	11.11	1.6
Dibenz[a,h]anthracene	0.1	< 0.0041	0.099	< 0.0042	0.091	0.097 J	0.7 J	0.092
Dibenzofuran	na	< 0.45	< 0.42	0.095 J	< 0.43	< 0.42	1.4 J	< 0.43
Diethylphthalate	na	< 0.45	< 0.42	< 0.41	< 0.43	< 0.42	< 0.45	< 0.43
Di-n-butylphthalate	na	< 0.45	< 0.42	0.1 B	0.079 B	< 0.42	0.45 UJ	0.12 B
Fluoranthene	0.1	0.0073 J	0.21 J	0.029 J	4.9 J	6.5 J	34.09 J	4.1 J
Fluorene	0.1	< 0.0041	< 0.021	< 0.0042	0.29	0.69	4.8	< 0.085
Indeno[1,2,3-cd]pyrene	0.1	0.0021	< 0.011	0.0076	0.9	0.93	4.9	0.76
Naphthalene	0.1	< 0.021	< 0.11	< 0.021	< 0.42	< 0.6	< 4.2	< 0.43
Pentachlorophenol	0.1	2.3	< 2.1	< 2.1	< 2.1	< 2.1	2.2 UJ	< 2.1
Phenanthrene	0.1	0.0038	0.092	0.022	3.7	5.6	32.8	2.6
Pyrene	0.1	0.0062	0.21	0.029	3.8	5	25.6	3.2

Bold outline indicates that the value exceeds the BTAG screening l

Table A-44

Igniter Assembly Area - Dames and Moore Detected Metal Results in Soil at Building 8102-2 - 1997

SITE ID	Comparison Criteria		81022612012	810226121224	810226122436	81022636012	810226361224	81022660012	810226601224
SAMPLING DATE			11-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97
DEPTH (in)	BTAG	Background	0-12	12-24	24-36	0-12	12-24	0-12	12-24
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	1	40041	9790	17600	19200	15900	27200	24300	25600
Antimony	0.48	na	nd	nd	0.26 J	0.21 J	0.47 J	nd	0.29 J
Arsenic	328	15.8	nd	8.2	6.0	1.4 J	8.2	5.5	5.0
Barium	440	209	20.2 J	8.5 J	22.7 J	12.3 J	14.0 J	14.4 J	12.6 J
Beryllium	0.02	1.02	nd	nd	nd	nd	nd	0.42 J	0.34 J
Cadmium	3	0.69	nd	nd	nd	nd	nd	nd	1.8
Calcium	na	na	1340	633 J	1080	1300	488 J	866 J	275 J
Chromium	0.02	65.3	25.2	44.3	43.9	33.5	51.1	49.8	50.8
Cobalt	0.1	72.3	0.26 J	1.00 J	0.98 J	0.83 J	1.5 J	1.9 J	1.4 J
Copper	15	53.5	15.9	14.4	18.1	11.7	17.3	18.8	16.5
Iron	3260	50962	18600	40900	41300	31500	44800	40900	44800
Lead	2	26.8	10.7	11.4	11.5	10.5	13.3	13.9	13.5
Magnesium	4400	na	447 J	324 J	509 J	479 J	414 J	497 J	323 J
Manganese	330	2543	8.6	23.4	25.1	25.8	29.1	48.4	35.4
Nickel	2	62.8	1.4 J	5.2 J	4.8 J	3.9 J	7.8 J	9.2	7.4 J
Potassium	na	na	173 J	239 J	306 J	240 J	477 J	440 J	413 J
Selenium	1.8	na	0.57 J	1.4	1.2	0.76 J	1.9	1.2	1.6
Sodium	na	na	22.0 J	22.3 J	23.2 J	20.8 J	32.7 J	33.4 J	29.5 J
Thallium	0.001	2.11	nd	nd	nd	nd	0.63 J	nd	nd
Vanadium	0.5	108	42.5	80.8	84.4	61.5	95.3	76.6	91.8
Zinc	10	202	6.0	10.7	19.36	7.9	14.1	21.4	13.5

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-45
Igniter Assembly Area - Dames and Moore Detected Metal Results in Soil at Building 8102-7 - 1997

SITE ID	Comparison Criteria		81027112012	810271121224	810271122436	81027136012	810271361224	81027160012	810271601224
SAMPLING DATE			8-Dec-97	8-Dec-97	8-Dec-97	8-Dec-97	8-Dec-97	8-Dec-97	8-Dec-97
DEPTH (in)	BTAG	Background	0-12	12-24	24-36	0-12	12-24	0-12	12-24
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	1	40041	29300	20800	23800	20000	35100	18500	46900
Antimony	0.48	na	nd	nd	nd	nd	nd	nd	0.23 J
Arsenic	328	15.8	10.5	2.1 J	2.8	2.6	8.2	1.4 J	11.4
Barium	440	209	29.2 J	29.8 J	46.4 J	39.0 J	54.4	20.3 J	31.9 J
Beryllium	0.02	1.02	1.2	0.86 J	0.81 J	0.68 J	1.2	0.46 J	1.1
Calcium	na	na	739 J	1370	1790	1490	1400	1250	1360
Chromium	0.02	65.3	37.2	28.8	31.9	26.5	40	24.8	44.4
Cobalt	0.1	72.3	27.1	6.1 J	5.9 J	4.8 J	21.1	3.0 J	5.9 J
Copper	15	53.5	42.4	19.6	207	175	34.5	15.2	34.6
Iron	3260	50962	38500	37400	38600	32200	41600	29300	45300
Lead	2	26.8	38.3	25.4	24.3	20.4	49	12.4	30
Magnesium	4400	na	1500	1400	1600	1340	1400	921 J	1530
Manganese	330	2543	590	69.3	56.5	47.1	410	34.1	84.1
Mercury	0.058	0.13	nd	nd	nd	nd	nd	nd	nd
Nickel	2	62.8	34.8	14.7	16.8	14.0	27.4	7.7 J	24.7
Potassium	na	na	921 J	642 J	734 J	620 J	1080 J	621 J	1450
Selenium	1.8	na	1.2	0.75 J	0.85 J	0.73 J	0.83 J	0.99 J	1.3
Sodium	na	na	45.1 J	43.5 J	47.5 J	30.4 J	29.7 J	41.8 J	27 J
Thallium	0.001	2.11	nd	nd	nd	nd	0.66 J	nd	nd
Vanadium	0.5	108	65.8	nd	nd	59.7	77.9	58.3	84.8
Zinc	10	202	61.6	nd	nd	43.3	56.3	22.6	43.3

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-45
Igniter Assembly Area - Dames and Moore Detected Metal Results in Soil at Building 8102-7 - 1997

SITE ID	Comparison Criteria		8102727012	81027271224	81027272436	81027236012	810272361224	81027260012	810272601224
SAMPLING DATE			8-Dec-97	12-08-97	8-Dec-97	8-Dec-97	8-Dec-97	8-Dec-97	8-Dec-97
DEPTH (in)	BTAG	Background	0-12	12-24	24-36	0-12	12-24	0-12	12-24
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	1	40041	16100	37600	33200	18000	31500	35400	38600
Antimony	0.48	na	nd	nd	nd	nd	nd	0.24 J	nd
Arsenic	328	15.8	8.7	11.3	11.1	4	8.1	11.3	14.6
Barium	440	209	166	51.5	82.6	33.9 J	70.0	27.2 J	54.8
Beryllium	0.02	1.02	0.67 J	2.3	2.9	0.89 J	2.8	0.63 J	3.8
Calcium	na	na	1060	4380	3170	2640	2720	2590	2670
Chromium	0.02	65.3	25.2	48.5	47.1	26.8	52.5	41.5	56.7
Cobalt	0.1	72.3	12.0	47.6	18.7	26.0	17.5	9.3 J	11.9
Copper	15	53.5	274	38.3	61.6	35	29.9	51.5	36.8
Iron	3260	50962	21100	40800	30900	28900	37300	41100	47000
Lead	2	26.8	475	40.0	30.0	26.8	24.2	20.8	25.8
Magnesium	4400	na	1910	8420	22900	2190	14600	1240	3940
Manganese	330	2543	221	341	408	188	442	99.4	178
Mercury	0.058	0.13	nd	nd	nd	nd	0.10	nd	0.15
Nickel	2	62.8	13.9	33	32.5	15.1	37.9	16.9	38.9
Potassium	na	na	718 J	2430	4620	778 J	3940	855 J	1830
Selenium	1.8	na	0.66 J	0.86 J	0.59 J	0.60 J	nd	1.6	1.4
Sodium	na	na	26.6 J	39.3 J	48.8 J	33.7 J	42.7 J	35.0 J	35.8 J
Thallium	0.001	2.11	nd	nd	0.52 J	nd	0.53 J	nd	0.55 J
Vanadium	0.5	108	37.6	76.7	59.2	54.6	67.5	79.9	83.1
Zinc	10	202	293	43.8	86.2	30.4	35.7	36.3	35.9

Bold outline indicates that the value exceeds the BTAC

Cell shading indicates that the value exceeds the backg

Table A-46
Igniter Assembly Area - Dames and Moore Detected Organic Results in Soil at Building 8102-7 - 1997

SITE ID		81027112012	810271121224	810271122436	81027136012	810271361224	81027160012	810271601224
SAMPLING DATE		19-Feb-98	19-Feb-98	18-Feb-98	18-Feb-98	18-Feb-98	18-Feb-98	18-Feb-98
DEPTH (in)	BTAG	0-12	12-24	24-36	0-12	12-24	0-12	12-24
MATRIX	Soil Criteria	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs								
bis(2-Ethylhexyl)phthalate	na	nd	nd	nd	nd	nd	nd	0.300 J
PEST/PCB								
4,4'-DDT	0.1	0.0032 JP	nd	nd	0.00066 J	0.00049 JP	0.00062 JP	0.0013 JP
Endrin	0.1	0.0018 JP	0.00024 JP	0.0013 JP	nd	nd	nd	nd
Endosulfan II	na	nd	nd	nd	nd	nd	nd	nd
Methoxychlor	0.1	nd	nd	nd	nd	nd	nd	nd
Aroclor-1254	0.1	nd	nd	nd	nd	nd	nd	nd

Table A-46
Igniter Assembly Area - Dames and Moore Detected Organic Results in Soil at Building 8102-7 - 1997

SITE ID		8102727012	81027271224	81027272436	810272601224
SAMPLING DATE		8-Dec-97	8-Dec-97	8-Dec-97	8-Dec-97
DEPTH (in)	BTAG	0-12	12-24	24-36	12-24
MATRIX	Soil Criteria	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs					
bis(2-Ethylhexyl)phthalate	na	0.085 J	0.082 J	nd	0.220 J
PEST/PCB					
4,4'-DDT	0.1	nd	nd	0.00042 JP	nd
Endrin	0.1	nd	nd	0.00042 JP	nd
Endosulfan II	na	nd	nd	0.00030 J	nd
Methoxychlor	0.1	nd	nd	nd	0.0050 J
Aroclor-1254	0.1	0.0049 JP	nd	nd	nd

Table A-47
Igniter Assembly Area - Dames and Moore Detected Soil Results at Building 502 - 1997

SITE ID	Comparison Criteria		50240012	502401224	502402436	502436012	5024361224	502460012	5024601224
SAMPLING DATE			8-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97	11-Dec-97
DEPTH (in)	BTAG	Background	0-12	12-24	24-36	0-12	12-24	0-12	12-24
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	1	40041	39000	18100	23000	12800	22200	25100	20400
Antimony	0.48	na	0.53 J	nd	nd	nd	nd	nd	nd
Arsenic	328	15.8	10.6	2.4	4.8	1.2 J	3.4	7.9	6.0
Barium	440	209	80.1	20 J	12.8 J	61	16.4 J	54.7	29.4 J
Beryllium	0.02	1.02	0.76 J	0.5 J	0.39 J	0.37 J	0.34	0.70 J	0.65 J
Calcium	na	na	1690	1280	1560	1640	1220	1460	1460
Chromium	0.02	65.3	60.3	31.4	48.8	25.5	46.1	40.9	36.6
Cobalt	0.1	72.3	5.9 J	4.1 J	2.8 J	15.9	2.5 J	5.6 J	4.1 J
Copper	15	53.5	29.7	16.8	20.4	16.8	16.6	26.7	23.5
Iron	3260	50962	45500	29000	37400	19100	35200	40600	33900
Lead	2	26.8	25.9	28.0	26.7	51.9	36.1	40.3	43.2
Magnesium	4400	na	1520	569 J	511 J	784 J	464 J	745 J	722 J
Manganese	330	2543	104	107	83.7	420	88.8	151	100
Mercury	0.058	0.13	0.40	nd	nd	0.11	nd	3.30	0.63
Nickel	2	62.8	21.0	12.8	13.7	11.0	11.7	18.2	16.6
Potassium	na	na	1100 J	521 J	633 J	394 J	561 J	613 J	484 J
Selenium	1.8	na	1.9	0.71 J	1.3	nd	1.3	0.57 J	1.0
Sodium	na	na	52.9 J	38.6 J	38.5 J	29.3 J	38 J	26.9 J	30 J
Thallium	0.001	2.11	nd	0.58 J	nd	0.46 J	nd	nd	0.41 J
Vanadium	0.5	108	98.4	64.6	87.3	46	82.3	86.5	70.6
Zinc	10	202	29.6	16.4	11.5	21.3	9.2	34	23.6
PEST/PCB									
Aroclor-1254	0.1	na	0.260	0.031 JP	0.007 JP	0.140	0.130	0.041 JP	nd

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-48
Igniter Assembly Area - Dames and Moore Detected Metal Results in Soil at Building 504 - 1997

SITE ID	Comparison Criteria		504312012		5043121224		5043122436		504336012		5043361224		504360012		5043601224	
SAMPLING DATE			11-Dec-97		9-Dec-97		9-Dec-97		9-Dec-97		9-Dec-97		9-Dec-97		9-Dec-97	
DEPTH (in)	BTAG	Background	0-12		12-24		24-36		0-12		12-24		0-12		12-24	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																
Aluminum	1	40041	20200		20300		23500		14200		15700		10900		7430	
Antimony	0.48	na	0.80	J	nd		nd		1.30	J	0.41	J	3.20	J	7.20	J
Arsenic	328	15.8	7.5		5.4		7.7		4.9		5.7		5.3		11.9	
Barium	440	209	961		50.2		40.5		394		133		489		906	
Beryllium	0.02	1.02	0.58	J	0.36	J	0.34	J	0.47	J	0.43	J	0.55	J	0.37	J
Cadmium	3	0.69	0.64	J	nd		nd		0.42	J	nd		2.1		2.0	
Calcium	na	na	10500		876	J	734	J	23500		7930		148000		82000	
Chromium	0.02	65.3	511		42.4		42.8		468		176		884		1920	
Cobalt	0.1	72.3	10.3		4.4	J	2.6	J	8.7	J	10.5		15.3		16.9	
Copper	15	53.5	1780		19		30.4		653		123		397		812	
Iron	3260	50962	56000		35800		33500		38600		33400		41800		88000	
Lead	2	26.8	4090		15.4		18.5		3850		1280		7370		16200	
Magnesium	4400	na	6430		1070		1010		15000		4650		64600		52500	
Manganese	330	2543	312		169		51.9		281		274		349		584	
Mercury	0.058	0.13	0.10		nd		nd		nd		nd		nd		nd	
Nickel	2	62.8	30.0		9.2		8.8		20.3		15.8		30.0		57.3	
Potassium	na	na	697	J	586	J	640	J	1410		607	J	4610		2100	
Selenium	1.8	na	1.2		1.4		1.2		0.85	J	0.87	J	nd		nd	
Silver	0.0000098	na	nd		nd		nd		nd		nd		nd		0.18	J
Sodium	na	na	44.3	J	39	J	30.9	J	60.9	J	43.2	J	138	J	127	J
Thallium	0.001	2.11	nd		nd		nd		0.37	J	nd		nd		nd	
Vanadium	0.5	108	66.9		74.8		71.4		39.9		52.6		24.6		23.4	
Zinc	10	202	1550		17		27		1090		323		1490		3170	

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-49

Igniter Assembly Area - Dames and Moore Detected Organic Results for Soil at Building 504 - 1997

SITE ID		504312012		5043121224	5043122436		504336012		5043361224	504360012		5043601224	
SAMPLING DATE		11-Dec-97		9-Dec-97	9-Dec-97		9-Dec-97		9-Dec-97	9-Dec-97		9-Dec-97	
DEPTH (in)	BTAG	0-12		12-24	24-36		0-12		12-24	0-12		12-24	
MATRIX	Soil Criteria	CSO		CSO	CSO		CSO		CSO	CSO		CSO	
UNITS	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg	mg/kg		mg/kg	
SVOCs													
bis(2-Ethylhexyl)phthalate	na	0.750		nd	0.110	J	0.081	J	nd	0.110	J	0.260	J
Benzo[g,h,i]perylene	0.1	nd		nd	nd		nd		nd	nd		0.041	J
Chrysene	0.1	nd		nd	nd		nd		nd	nd		0.044	J
Diethylphthalate	na	nd		nd	nd		nd		nd	0.250	J	nd	
2,4-Dinitrotoluene	na	nd		nd	nd		nd		nd	0.048	J	0.210	J
Fluoranthene	0.1	nd		nd	nd		nd		nd	nd		0.059	J
Pyrene	0.1	nd		nd	nd		nd		nd	nd		0.048	J
PEST/PCB													
Aroclor-1254	0.1	0.890	P	nd	0.046	P	0.320		0.054	P	0.560	10*	D

Bold outline indicates that the value exceeds the BTAG screening level.

* Dilution factor of 20 used to obtain result

Table A-50
Igniter Assembly Area - Independent Sampling Detected Soil Results - 1997

SITE ID	Comparison Criteria		SS-03		SS-11	
SAMPLING DATE			03-JUN-97		03-JUN-97	
DEPTH (ft)	BTAG	Background	0-0.5		0-0.5	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg	
Metals						
Aluminum	1	40041	15,300		7,920	
Antimony	0.48	na	nd		0.6	
Arsenic	328	15.8	25.2		85.8	
Barium	440	209	50.2	J	9,360	J
Beryllium	0.02	1.02	0.5		0.6	
Cadmium	3	0.69	2.3		7.8	
Calcium	na	na	28,000		54,000	
Chromium	0.02	65.3	54.4		86.8	
Cobalt	0.1	72.3	23.8		76.9	
Copper	15	53.5	24,600		38,000	
Iron	3260	50962	35,800		28,700	
Lead	2	26.8	207		1,040	
Magnesium	4400	na	28,800		46,000	
Manganese	330	2543	225		498	
Nickel	2	62.8	61		110	
Potassium	na	na	673		664	
Selenium	1.8	na	nd		1.2	
Silver	0.0000098	na	3.6		9.4	
Thallium	0.001	2.11	0.8		0.6	
Vanadium	0.5	108	53.2		60.2	
Zinc	10	202	626		21,800	

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-50
Igniter Assembly Area - Independent Sampling Detected Soil Results - 1997

SITE ID	Comparison Criteria		SS-03		SS-11	
SAMPLING DATE			03-JUN-97		03-JUN-97	
DEPTH (ft)	BTAG	Background	0-0.5		0-0.5	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg	
VOCs						
Acetone	20000	na	nd		0.009	B
Methylene chloride	760	na	0.002	B	0.004	B
Naphthalene	4100	na	nd		0.0009	B
SVOCs						
Benz[a]anthracene	0.1	na	0.11	J	0.07	J
Benzo[a]pyrene	0.78	na	nd		0.15	J
Benzo[b]fluoranthene	7.8	na	nd		0.2	J
Benzo[g,h,i]perylene	na	na	nd		0.11	J
Benzo[k]fluoranthene	78	na	nd		0.15	J
bis(2-Ethylhexyl)phthalate	410	na	1.34	K	5.68	
Butylbenzylphthalate	41000	na	nd		0.13	J
Chrysene	780	na	0.10	J	0.15	J
Di-n-butylphthalate	20000	na	nd		0.07	J
Diethylphthalate	160000	na	nd		0.07	J
Fluoranthene	8200	na	0.3	J	0.2	J
Phenanthrene	na	na	0.10	J	0.13	J
Pyrene	6100	na	0.3	J	0.2	J
PEST/PCB						
Aroclor-1260	2.9	na	0.37		1.04	
Endrin aldehyde	na	na	nd		0.07	R

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-51
Igniter Assembly Area - Independent Sampling Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria		SS-11a	SS-11b	SS-12
SAMPLING DATE			30-MAR-98	30-MAR-98	30-MAR-98
DEPTH (ft)	BTAG	Background	0-0.2	0-0.2	0-0.2
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals					
Aluminum	1	40041	8060	3900	4860
Arsenic	328	15.8	100	56.4	164
Barium	440	209	11800	4600	3220
Beryllium	0.02	1.02	0.5	0.3	0.3
Cadmium	3	0.69	5.5	3.2	6.8
Calcium	na	na	62100	101000	87700
Chromium	0.02	65.3	79.4	79.1	99.2
Cobalt	0.1	72.3	66.5	42.1	85.6
Copper	15	53.5	43900	53400	56500
Iron	3260	50962	28600	27500	35100
Lead	2	26.8	918	336	563
Magnesium	4400	na	52500	82200	71500
Manganese	330	2543	465	300	281
Mercury	0.058	0.13	0.2	0.1	0.1
Nickel	2	62.8	97.2	124	173
Potassium	na	na	733	837	814
Silver	0.0000098	na	11	13	22.5
Sodium	na	na	100	100	101
Thallium	0.001	2.11	0.5	0.3	0.7
Vanadium	0.5	108	23.8	10.8	16.3
Zinc	10	202	18300	8280	6460
ASBESTOS (Area %)					
Chrysotile	na	na	NA	NA	2.1

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-52
Igniter Assembly Area - Independent Sampling Detected Organic Results in Soil - 1998

SITE ID		TR-01A		TR-01B	
SAMPLING DATE		2-APR-98		2-APR-98	
DEPTH (ft)	BTAG	0-0.2		0-0.2	
MATRIX	Soil Criteria	CSO		CSO	
UNITS	mg/kg	mg/kg		mg/kg	
SVOCs					
Anthracene	0.1	1.01		nd	
Acenaphthylene	0.1	0.3	J	nd	
Benz[a]anthracene	0.1	3.54		nd	
Benzo[a]pyrene	0.1	5.24	C	0.04	J
Benzo[b]fluoranthene	0.1	12.59	C	0.09	J
Benzo[k]fluoranthene	0.1	6.51	C	0.05	J
Benzoic Acid	na	0.3	J	0.1	J
bis(2-Ethylhexyl)phthalate	na	0.4	J	0.2	J
Carbazole	na	0.5	J	nd	
Chrysene	0.1	7.65	C	0.06	J
Dibenz[a,h]anthracene	0.1	0.94		nd	
Fluoranthene	0.1	4.39	C	nd	
Indeno[1,2,3-cd]pyrene	0.1	6.06	C	nd	
Phenanthrene	0.1	0.3	J	nd	
Pyrene	0.1	4.85	C	nd	
PEST/PCB					
4,4'-DDT	0.1	0.04	R	nd	
Endrin	0.1	0.02		nd	
Endrin aldehyde	na	0.02	R	nd	
Methoxychlor	0.1	0.13	R	nd	

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-53
Igniter Assembly Area - Independent Sampling Detected Flooring Material Results - 1998

SITE ID	Comparison Criteria		WS-03
SAMPLING DATE			30-MAR-98
DEPTH (ft)	BTAG	Background	na
MATRIX	Soil Criteria	Soil Levels	CBI
UNITS	mg/kg	mg/kg	mg/kg
Metals			
Aluminum	1	40041	2680
Arsenic	328	15.8	204
Barium	440	209	2080
Cadmium	3	0.69	2.8
Calcium	na	na	126000
Chromium	0.02	65.3	69.3
Cobalt	0.1	72.3	57.8
Copper	15	53.5	54200
Iron	3260	50962	30600
Lead	2	26.8	308
Magnesium	4400	na	100000
Manganese	330	2543	201
Mercury	0.058	0.13	0.1
Nickel	2	62.8	147
Potassium	na	na	778
Silver	0.0000098	na	15.9
Sodium	na	na	128
Thallium	0.001	2.11	0.4
Zinc	10	202	18300
ASBESTOS (Area %)			
Chrysotile	na	na	2.6

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-54
Igniter Assembly Area - RI Detected Metal Results in Test Pits - 1998

SITE ID	Comparison Criteria		IATP1A	IATP1B	IATP1C	IATP1D	IATP2A	IATP2B	IATP2C	IATP2D
FIELD ID			IATP1A	IATP1B	IATP1C	IATP1D	IATP2A	IATP2B	IATP2C	IATP2D
SAMPLING DATE			04-AUG-98	04-AUG-98	04-AUG-98	04-AUG-98	04-AUG-98	04-AUG-98	04-AUG-98	04-AUG-98
DEPTH (ft)	BTAG	Background	0.5-1	0.5-1	4-4.5	4-4.5	0.5-1	0.5-1	4-4.5	4-4.5
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals										
Aluminum	1	40041	7,680	5,670	9,160	9,690	13,900	9,870	13,500	16,700
Arsenic	328	15.8	4.3 J	1.8 J	3.3	4	28.8 J	8.4 J	5.9	10.1
Barium	440	209	527 J	50.7 J	22.5 B	24.2 B	1170 J	270 J	38.5	41.7
Beryllium	0.02	1.02	< 0.11	< 0.11	< 0.12	< 0.12	0.58 J	0.52 J	2.1	1.7
Cadmium	3	0.69	0.25 J	< 0.11	< 0.12	< 0.12	1	0.14 J	< 0.13	< 0.14
Calcium	na	na	1,680	1,230	759 B	508 B	25,100	4,730 B	2,220 B	4,160 B
Chromium	0.02	65.3	21.8	15.6	15.9	17.3	36.8	23.7	42.2	36
Cobalt	0.1	72.3	4.2 J	2.1 J	0.95 J	1.1 J	17.6 J	11.8 J	25.6	12.3
Copper	15	53.5	1,280 J	39 J	9 B	25	7,070	1,440	21	23.3
Iron	3260	50962	16,700	12,600	17,600	19,300	32,300	24,300	33,200	30,900
Lead	2	26.8	41.7 J	11.8 J	7	6.4	190	75.2	24.4	22.7
Magnesium	4400	na	2,370	739	438 B	296 B	18,900	3,680	2,660	9,380
Manganese	330	2543	57.7 J	114 J	38.8	22.4	308	234	270	269
Mercury	0.058	0.13	0.5	0.12	< 0.12	< 0.12	0.66 J	0.15 J	0.17	0.2
Nickel	2	62.8	5.7 J	1.1 J	0.47 B	0.83 B	33.5 J	13.3 J	21.7	19.3
Potassium	na	na	243 J	197 J	274 B	180 B	821 J	418 B	1120 J	5,570 J
Selenium	1.8	na	< 0.56	< 0.55	0.58	< 0.6	< 0.58	< 0.56	< 0.65	< 0.72
Silver	0.0000098	na	0.63 J	0.22 UJ	< 0.23	< 0.24	1.9 B	0.3 B	< 0.26	< 0.29
Sodium	na	na	35.8 B	35.1 B	69.4 B	93.2 B	84.7 B	48.8 B	134 B	1,350 B
Thallium	0.001	2.11	0.22 UJ	0.22 UJ	0.54 B	0.79 B	0.99 B	0.22 UJ	< 0.26	< 0.29
Vanadium	0.5	108	33.1 J	25 J	33.1	34.9	43.3 J	38.7 J	49.2	47.2
Zinc	10	202	467	30.8	8.2 B	13.5 B	1090	312	21.4 B	33.8 B

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-55
Igniter Assembly Area - RI Detected Organic Results in Test Pits - 1998

SITE ID		IATP1A		IATP1B		IATP2A		IATP2B	
FIELD ID		IATP1A		IATP1B		IATP2A		IATP2B	
SAMPLING DATE		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98	
DEPTH (ft)	BTAG	0.5-1		0.5-1		0.5-1		0.5-1	
MATRIX	Soil Criteria	CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
SVOCs									
Benz[a]anthracene	0.1	0.062	J	< 0.37		< 0.39		< 0.38	
Benzo[a]pyrene	0.1	0.086	J	< 0.37		0.39	UJ	0.38	UJ
Benzo[b]fluoranthene	0.1	0.12	J	< 0.37		0.39	UJ	0.38	UJ
Benzo[g,h,i]perylene	0.1	0.042	J	< 0.37		0.39	UJ	0.38	UJ
Benzo[k]fluoranthene	0.1	0.16	J	< 0.37		0.39	UJ	0.38	UJ
bis(2-Ethylhexyl)phthalate	na	0.53	J	0.096	J	0.6		0.23	UJ
Chrysene	0.1	0.11	J	< 0.37		< 0.39		< 0.38	
Di-n-octylphthalate	na	< 0.38		< 0.37		0.046	J	0.38	UJ
Fluoranthene	0.1	0.16	J	< 0.37		< 0.39		< 0.38	
Phenanthrene	0.1	0.077	J	< 0.37		< 0.39		< 0.38	
Pyrene	0.1	0.15	J	< 0.37		< 0.39		< 0.38	

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-56
Igniter Assembly Area - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria		IASB1A	IASB1B	IASB2A	IASB2B	IASB2C	IASB3A	IASB3B
FIELD ID			IASB1A	IASB1B	IASB2A	IASB2B	IASB2C	IASB3A	IASB3B
SAMPLING DATE			05-AUG-98	05-AUG-98	05-AUG-98	05-AUG-98	05-AUG-98	05-AUG-98	05-AUG-98
DEPTH (ft)	BTAG	Background	0.5-1	5-6	0-2	4-6	26-28	0.5-1	0.5-1
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	1	40041	11,100	11,500	12,900	11,500	9,930	29,200	17,900
Arsenic	328	15.8	6.1	4.3	6.4	7.6	3.6	7.8	3.9
Barium	440	209	32.2 J	48.2 J	29.2 J	39.6 J	9.5 B	35.5 J	18 B
Beryllium	0.02	1.02	< 0.11	< 0.12	< 0.12	< 0.13	< 0.12	0.36 J	0.28 J
Cadmium	3	0.69	0.11 UJ	0.12 UJ	0.12 UJ	0.13 UJ	0.12 UJ	0.14 UJ	0.14 UJ
Calcium	na	na	762 B	89.6 B	702 B	230 B	220 B	943 B	462 B
Chromium	0.02	65.3	54.2	28.6	40.5	40.9	24	48.5	35.2
Cobalt	0.1	72.3	1.4 J	0.75 J	1.1 J	1.3 J	2.1 J	4.4 J	3.2 J
Copper	15	53.5	72.4	28.9	19.2	25.4	6.1 B	29	12.1 B
Iron	3260	50962	40,600	19,600	42,700	36,700	25,600	52,600	31,200
Lead	2	26.8	14.1	10.9	8.5	8.3	11.5	21.8	16.4
Magnesium	4400	na	523 B	128 B	317 B	153 B	120 B	677 B	261 B
Manganese	330	2543	44.4	24.1	33.4	27.9	46.4	78.7	60
Mercury	0.058	0.13	0.27 J	< 0.12	< 0.12	< 0.13	< 0.12	< 0.14	< 0.15
Nickel	2	62.8	1.5 J	0.88 J	< 0.12	1.2 J	3.2 J	10.3 J	7.5 J
Potassium	na	na	304 B	176 UJ	218 B	199 B	184 B	352 B	276 B
Selenium	1.8	na	0.55 UJ	0.61 UJ	0.59 UJ	0.66 J	0.6 UJ	0.68 UJ	0.72 J
Silver	0.0000098	na	< 0.22	< 0.25	< 0.24	0.27 B	< 0.24	< 0.27	< 0.28
Sodium	na	na	47.6 B	41.8 B	35.8 B	36.2 B	44.3 B	57.6 B	37.8 B
Thallium	0.001	2.11	< 0.22	< 0.25	< 0.24	0.55 B	< 0.24	0.56 B	< 0.28
Vanadium	0.5	108	69 J	63.1	70 J	56 J	43 J	89.8 J	54.5 J
Zinc	10	202	50.5 B	26.8 B	16.7 B	24.7 B	11.3 B	41.1 B	26.6 B

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-56
Igniter Assembly Area - RI Detected Metal Results in Subsurface Soil - 1998

SITE ID	Comparison Criteria		IASB4A		IASB4B		IASB5A		IASB5B	
FIELD ID			IASB4A		IASB4B		IASB5A		IASB5B	
SAMPLING DATE			05-AUG-98		05-AUG-98		05-AUG-98		05-AUG-98	
DEPTH (ft)	BTAG	Background	0.5-1.5		5-6		0.5-1		5-6	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
Metals										
Aluminum	1	40041	15,600		15,700		10,000		16,900	
Arsenic	328	15.8	6.6		7.8		2		11.9	
Barium	440	209	75.5	J	51.4	J	38.7	J	20.3	B
Beryllium	0.02	1.02	2.3		4.3		0.45	J	0.99	
Cadmium	3	0.69	2	J	0.14	UJ	0.12	UJ	< 0.14	
Calcium	na	na	866	B	2080	B	777	B	1200	
Chromium	0.02	65.3	35.5		59.8		22		42.1	
Cobalt	0.1	72.3	39.4		18.3		7.3		59.1	
Copper	15	53.5	265		20.3		83.6		18.3	B
Iron	3260	50962	31,200		36,300		23,100		44,500	
Lead	2	26.8	46.5		23.8		19.2		30.9	
Magnesium	4400	na	2370	B	1940	B	1240	B	813	B
Manganese	330	2543	144		557		49.8		254	
Mercury	0.058	0.13	< 0.13		< 0.15		< 0.13		304	
Nickel	2	62.8	17.5	J	48.7	J	8.4	J	14.5	
Potassium	na	na	694	B	840	J	324	B	561	B
Selenium	1.8	na	0.64	UJ	0.71	UJ	0.62	UJ	< 0.71	
Silver	0.0000098	na	< 0.26		< 0.28		< 0.25		< 0.29	
Sodium	na	na	48.1	B	48.5	B	36.5	B	96	B
Thallium	0.001	2.11	0.63	B	< 0.28		< 0.25		< 0.29	
Vanadium	0.5	108	57.1	J	58	J	40.9	J	64.2	
Zinc	10	202	101	B	34.8	B	82.4	B	33.5	B

Bold outline indicates that the value exceeds the BTAG
Cell shading indicates that the value exceeds the backgr

Table A-57
Igniter Assembly Area - RI Detected Organic Results in Subsurface Soil - 1998

SITE ID		IASB1B	IASB4A	IASB5B
FIELD ID		IASB1B	IASB4A	IASB5B
SAMPLING DATE		05-AUG-98	05-AUG-98	05-AUG-98
DEPTH (ft)	BTAG	5-6	0.5-1.5	5-6
MATRIX	Soil Criteria	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs				
Benzo[k]fluoranthene	0.1	0.052 J	< 0.43	< 0.49
Diethylphthalate	na	< 0.4	0.074 J	0.23 J

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-58
Igniter Assembly Area - RI Detected TCLP Metal Results in Conductive Flooring - 1998

SITE ID		IACF2
FIELD ID	TCLP	IACF2
SAMPLING DATE	REGULATORY	04-AUG-98
DEPTH (ft)	LEVELS	na
UNITS	ug/L	ug/L
TCLP Metals		
Barium	100000	302
Cadmium	1000	86.5
Chromium	5000	1.7
Lead	5000	3.5
Selenium	1000	5.7

Table A-59
Northern Burning Ground - Independent Sampling Detected Soil Results - 1997

SITE ID	Comparison Criteria		SS-01	SS-02
SAMPLING DATE			3-JUN-97	3-JUN-97
DEPTH (ft)	BTAG	Background	0.5-0.7	0.5-0.7
MATRIX	Soil Criteria	Soil Levels	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Metals				
Aluminum	1	40041	18,200	28,900
Arsenic	328	15.8	7.6	6.3
Barium	440	209	79.3 J	80.3 J
Beryllium	0.02	1.02	0.5	0.6
Cadmium	3	0.69	nd	0.8
Calcium	na	na	62,700	55,700
Chromium	0.02	65.3	32.2	44.2
Cobalt	0.1	72.3	7.7	7.5
Copper	15	53.5	18.4	38.6
Iron	3260	50962	28,000	26,700
Lead	2	26.8	55.4	199
Magnesium	4400	na	28,300	26,000
Manganese	330	2543	208	156
Nickel	2	62.8	13.8	17.3
Potassium	na	na	2,060	2,310
Thallium	0.001	2.11	0.2	0.2
Vanadium	0.5	108	64.6	70.0
Zinc	10	202	294	1,210

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-59
Northern Burning Ground - Independent Sampling Detected Soil Results - 1997

SITE ID	Comparison Criteria		SS-01	SS-02
SAMPLING DATE			3-JUN-97	3-JUN-97
DEPTH (ft)	BTAG	Background	0.5-0.7	0.5-0.7
MATRIX	Soil Criteria	Soil Levels	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs				
bis(2-Ethylhexyl)phthalate	na	na	0.2 J	0.1 J
Di-n-butylphthalate	na	na	nd	0.04 J
VOCs				
Acetone	na	na	0.003 B	nd
Benzene	0.1	na	0.001 J	nd
Chlorobenzene	0.1	na	0.001 J	nd
1,1-Dichloroethene	na	na	0.002 J	nd
Methylene chloride	0.3	na	0.002 B	0.002 B
Toluene	0.1	na	0.001 J	nd
Trichloroethene	0.3	na	0.001 J	nd

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-60
Northern Burning Ground - RI Detected Metal Results in Soil - 1998

SITE ID			NBGSB1A		NBGSB1B		NBGSB1C		NBGSB2A		NBGSB2B		NBGSB3A		NBGSB3B		NBGSB4A		NBGSB4B		NBGSB5A		NBGSB5B	
SAMPLE DATE	Comparison Criteria		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98		04-AUG-98	
DEPTH (ft)	BTAG	Background	0.5 - 1.5		8.0 - 10.0		53.0 - 55.0		0.0 - 2.0		5.0 - 6.0		0.5 - 1.5		5.0 - 6.0		0.5 - 1.5		5.0 - 6.0		0.5 - 1.5		5.0 - 6.0	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO		CSO		CSO		CSO		CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																								
Aluminum	1	40041	10800		27,400		13,100		8,270		27,500		9,810		15,800		18,400		28,400		10,400		30,400	
Arsenic	328	15.8	4.2	J	7	J	9.2	J	8.5	J	10.5	J	3.2	J	4.3	J	6	J	8.1	J	4.5	J	17	J
Barium	440	209	41	J	18.7	B	30.5	J	81.9	J	18.1	B	38.9	J	9.6	B	41.7	J	21.7	B	34	J	13.2	B
Beryllium	0.02	1.02	< 0.12		0.23	J	1.9		< 0.11		0.33	J	0.11	J	< 0.12		0.26	J	0.29	J	0.19	J	0.46	J
Cadmium	3	0.69	< 0.12		< 0.14		0.22	J	0.92		< 0.12		< 0.11		< 0.12		< 0.11		< 0.13		< 0.11		< 0.14	
Calcium	na	na	1,580	B	928	B	857	B	4040	B	840	B	2570	B	371	B	1780	B	673	B	2800	B	469	B
Chromium	0.02	65.3	31.8		75.3		35		1620		53.4		20.2		21.9		30		42.3		16.4		52.4	
Cobalt	0.1	72.3	4.5	J	3.5	J	9.8	J	23.9	J	3.1	J	4.2	J	2.1	J	4.9	J	4.2	J	6.7	J	4	J
Copper	15	53.5	5.5	B	18.4	J	21	J	52.7		12.9	B	9.2	B	6.2	B	11.4	B	15.6	B	4.9	B	24.2	J
Iron	3260	50962	18,500		45,900		29,700		12,900		52,000		12,100		19,200		23,300		41,900		16,100		60,600	
Lead	2	26.8	127		226		29.5		23400		19.5		104		10.8		76.2		20		19.3		20.2	
Magnesium	4400	na	605	B	719	B	11900		1520	B	1010	B	1350	B	278	B	977	B	661	B	1300	B	382	B
Manganese	330	2543	204		68.1		594		158		58.9		182		21.8	J	317		53.3		393		73.5	
Mercury	0.058	0.13	< 0.12		< 0.14		< 0.14		< 0.11		0.57		< 0.11		< 0.12		< 0.12		< 0.13		< 0.11		0.62	
Nickel	2	62.8	3.8	B	8.9	J	30.4	J	5.6	B	8.5	J	4.5	B	3.8	B	7.6	J	12.5	J	4.1	B	14.4	J
Potassium	na	na	352	B	601	B	3240	J	324	B	873	J	473	B	489	B	635	J	1300	J	425	B	1030	J
Selenium	1.8	na	< 0.58		< 0.69		< 0.67		< 0.56		< 0.62		0.56	J	< 0.59		< 0.56		< 0.66		< 0.56		< 0.68	
Silver	0.0000098	na	0.23	UJ	0.28	UJ	0.27	UJ	0.23	B	0.25	UJ	0.22	UJ	0.24	UJ	0.22	UJ	0.26	UJ	< 0.22		0.27	UJ
Sodium	na	na	136	B	146	B	103 B	B	113	B	104	B	125	B	106	B	115	B	137	B	94.1	B	111	B
Thallium	0.001	2.11	0.42	B	1.5	B	0.27	UJ	0.46	B	0.25	UJ	0.22	UJ	0.24	UJ	1.1	B	0.26	UJ	0.28	B	0.27	UJ
Vanadium	0.5	108	33.1	J	83.1	J	49.5	J	23.4	J	79.1	J	21.9	J	32.1	J	39.7	J	76.4	J	27.9	J	91	J
Zinc	10	202	61	B	67.4	B	60.4	B	3760		22.8	B	132	B	15.4	B	67.8	B	28.3	B	22.1	B	45	B

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-61
Northern Burning Ground - RI Detected SVOC Results in Soil - 1998

SITE ID		NBGSB2A	NBGSB4A	NBGSB5B
FIELD ID		NBGSB2A	NBGSB4A	NBGSB5B
SAMPLING DATE		4-AUG-98	4-AUG-98	4-AUG-98
DEPTH (ft)	BTAG	0.0 - 2.0	0.5 - 1.5	5.0 - 6.0
MATRIX	Soil Criteria	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs				
bis(2-Ethylhexyl)phthalate	na	0.079 J	< 0.38	< 0.47
Diethylphthalate	na	< 0.38	< 0.38	0.1 J
Di-n-butylphthalate	na	< 0.38	0.099 J	< 0.47

Table A-62
Northern Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria		NBGSB6A		NBGSB6B		NBGSB7A		NBGSB7B		NBGSB8A		NBGSB8B	
SAMPLING DATE	BTAG	Background	5/27/1999		5/28/1999		5/29/1999		5/30/1999		5/31/1999		6/1/1999	
DEPTH (ft)	Soil Criteria	Soil Levels	0-0.5		3.5-4		0-0.5		3.5-4		0-0.5		3.5-4	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals														
Aluminum	1	40041	4670		9420		7800		5930		6150		5680	
Antimony	0.48	na	< 0.62		< 0.66		< 0.62		< 0.59		< 0.59		< 0.61	
Arsenic	328	15.8	2.2	B	5.4	B	7	B	6.5	B	5.4	B	6	B
Barium	440	209	40.8		19		23		10.5		39.5		32.6	
Beryllium	0.02	1.02	0.28	B	0.38	B	0.43	B	0.46	B	0.58	B	0.4	B
Cadmium	3	0.69	< 0.12		< 0.13		< 0.12		< 0.12		< 0.12		< 0.12	
Calcium	na	na	637		635	J	684		529	J	1330		974	
Chromium	0.02	65.3	7.1		22.3		22.3		19.6		15.4		14.8	
Cobalt	0.1	72.3	4.6	K	23		21.7		24.3		26.6		22.3	
Copper	15	53.5	8.8	K	20.9		18.2		19.3		18.7		15.5	
Iron	3260	50962	8270		28800		30100		29600		21200		21800	
Lead	2	26.8	16.5		13.8		17.7		12.3		24.3		17.6	
Magnesium	4400	na	193	J	472	J	285	J	214	J	395	J	299	J
Manganese	330	2543	410		89.9		470		380		710		401	
Mercury	0.058	0.13	< 0.12		< 0.13		< 0.12		< 0.12		0.17		< 0.12	
Nickel	2	62.8	3.5	K	14.3	K	11	K	13.6	K	12.5	K	12.7	K
Potassium	na	na	149	J	307	J	362	J	199	J	385	J	178	J
Selenium	1.8	na	0.55	K	< 0.53		< 0.5		< 0.47		< 0.47		< 0.49	
Silver	0.0000098	na	< 0.12		< 0.13		< 0.12		< 0.12		< 0.12		< 0.12	
Sodium	na	na	100	B	105	B	102	B	106	B	100	B	101	B
Thallium	0.001	2.11	0.86	UJ	0.92	UJ	0.87	UJ	0.83	UJ	0.83	UJ	0.92	J
Vanadium	0.5	108	14.9		37.4		51.9		45.1		36.5		34.7	
Zinc	10	202	18.1		24.7		29.3		29.2		37.6		27.2	

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-62
Northern Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria		NBGSB9A	NBGSB10A	NBGSB10B	NBGSB10C	NBGSB10D	NBGSB10E
SAMPLING DATE	BTAG	Background	6/2/1999	5/26/1999	5/27/1999	5/28/1999	5/29/1999	5/30/1999
DEPTH (ft)	Soil Criteria	Soil Levels	0-0.5	2-4	4-6	6-8	8-10	10-12
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals								
Aluminum	1	40041	5980	22200	31200	26700	30600	29800
Antimony	0.48	na	< 0.62	< 0.65	< 0.7	0.8 B	< 0.74	< 0.74
Arsenic	328	15.8	5.6 B	10.6	15.1	16.3	14.5	17.5
Barium	440	209	45.6	22.5 J	15.7 J	16.4	19.2 J	20.7 J
Beryllium	0.02	1.02	0.57 B	0.35 B	0.56 B	0.53 B	0.51 B	0.6 B
Cadmium	3	0.69	< 0.12	0.38	0.62 J	0.66 J	0.5 J	0.62 J
Calcium	na	na	1420	1500	343 J	826	301 J	266 J
Chromium	0.02	65.3	16	43.9	58.1	64.8	57.3	69.3
Cobalt	0.1	72.3	28	2.3 K	5 K	3.5 K	3.9 K	4.1 K
Copper	15	53.5	17.5	23.5	36.3	40.4	34.4	38.2
Iron	3260	50962	21300	39500	56500	63100	54500	62300
Lead	2	26.8	28.4	10.4	19.6	30.3	31.2	30.9
Magnesium	4400	na	402 J	670	488 J	479 J	488 J	364 J
Manganese	330	2543	926	35.3	62.9	71.4	79.6	99.2
Mercury	0.058	0.13	< 0.12	0.26	0.22	0.35	0.22	< 0.15
Nickel	2	62.8	12.4 K	6.8 K	20.6	14.2 K	11.9 K	14.6 K
Potassium	na	na	378 J	684	758	861	723 J	583 J
Selenium	1.8	na	< 0.49	1.3 K	< 0.56	< 0.58	< 0.59	< 0.59
Silver	0.0000098	na	< 0.12	0.27 K	0.48 K	0.49 K	0.66 K	0.64 K
Sodium	na	na	112 J	189	183 J	198 J	165 J	177 J
Thallium	0.001	2.11	0.86 UJ	0.91 UJ	0.99 UJ	1 UJ	1 UJ	1 UJ
Vanadium	0.5	108	36.9	77.9	112	127	118	125
Zinc	10	202	45.8	19.1	37.6	37.6	29.9	31.8

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-63
Northern Burning Ground - RI Detected Organic Results in Soil - 1999

FIELD ID		NBGSB6A	NBGSB6B	NBGSB7A	NBGSB7B	NBGSB8A	NBGSB8B
SAMPLING DATE	BTAG	5/27/1999	5/28/1999	5/29/1999	5/30/1999	5/31/1999	6/1/1999
DEPTH (ft)	Soil Criteria	0-0.5	3.5-4	0-0.5	3.5-4	0-0.5	3.5-4
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PAHs							
Benzo[g,h,i]perylene	0.1	< 0.0289	< 0.0332	0.0481	< 0.0308	< 0.0308	< 0.0308
SVOCs							
bis(2-Ethylhexyl)phthalate	na	0.061 J	< 0.395	0.05	< 0.366	< 0.37	< 0.366

FIELD ID		NBGSB9A	NBGSB10A	NBGSB10B	NBGSB10C	NBGSB10D	NBGSB10E
SAMPLING DATE	BTAG	6/2/1999	5/26/1999	5/27/1999	5/28/1999	5/29/1999	5/30/1999
DEPTH (ft)	Soil Criteria	0-0.5	2-4	4-6	6-8	8-10	10-12
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PAHs							
Benzo[g,h,i]perylene	0.1	< 0.0321	NA	NA	NA	NA	NA
SVOCs							
bis(2-Ethylhexyl)phthalate	na	0.13	< 0.405	< 0.441	< 0.435	< 0.448	< 0.441

Table A-64
Northern Burning Ground - RI TCLP Metal Results in Soil - 1999

FIELD ID	TCLP	NBGDW1	NBGDW2	NBGDW3	NBGDW4	NBGDW5	NBGDW6	NBGDW7	NBGDW8	NBGDW9	NBGDW10
SAMPLING DATE	REGULATORY	5/26/1999	5/26/1999	8/18/1999	8/17/1999	8/19/1999	8/19/1999	8/19/1999	8/19/1999	8/19/1999	8/19/1999
DEPTH (ft)	LEVELS	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TCLP Metals											
Arsenic	5000	8.8	< 6	< 6	< 6	< 6	< 6	< 6	6.8	< 6	< 6
Barium	100000	601	146	233	219	272	180	238	181	239	118
Cadmium	1000	20.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chromium	5000	6.8	35.6	< 1	2.3	17.4	< 1	23.2	24.1	28.6	1.3
Lead	5000	6400	43.4	11.2	93.3	34.3	35	1920	387	1210	29.9
Selenium	1000	< 4	4.9	< 5	< 5	< 5	< 5	< 5	< 5	5.7	< 5
Silver	5000	1.2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Shading indicates that the value exceeds TCLP criteria

FIELD ID	TCLP	NBGDW11	NBGDW12	NBGDW13
SAMPLING DATE	REGULATORY	8/19/1999	8/19/1999	8/19/1999
DEPTH (ft)	LEVELS	0-4	0-4	0-4
UNITS	ug/L	ug/L	ug/L	ug/L
TCLP Metals				
Arsenic	5000	< 6	< 6	< 6
Barium	100000	564	140	474
Cadmium	1000	11.5	< 1	5.2
Chromium	5000	69.5	19.2	133
Lead	5000	63300	384	5100
Selenium	1000	< 5	< 5	< 5
Silver	5000	< 1	< 1	< 1

Shading indicates that the value exceeds TCLP criteria

Table A-65
Western Burning Ground - Independent Sampling Detected Soil Results - 1997

SITE ID	Comparison Criteria		SS-04	SS-04a	SS-05
SAMPLING DATE			3-JUN-97	3-JUN-97	3-JUN-97
DEPTH (ft)	BTAG	Background	0-0.5	0-0.5	0-0.5
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals					
Aluminum	1	40041	18,700	20,300	13,600
Arsenic	328	15.8	9.7	6.1	7.2
Barium	440	209	22.4 J	23.8 J	35.6 J
Beryllium	0.02	1.02	0.7	0.6	0.6
Calcium	na	na	980	702	1,080
Chromium	0.02	65.3	39.1	37.1	34.4
Cobalt	0.1	72.3	12.3	13.6	5.1
Copper	15	53.5	57.6	25.6	26.4
Iron	3260	50962	47,800	39,100	35,700
Lead	2	26.8	42.9	27.5	310
Magnesium	4400	na	763	657	524
Manganese	330	2543	255	347	188
Nickel	2	62.8	15.0	18.9	10.2
Potassium	na	na	684	674	458
Vanadium	0.5	108	73.7	67.6	66.3
Zinc	10	202	162	86	205

Bold outline indicates that the value exceeds the BTAG screening level.
Shading indicates that the value exceeds the background soil concentration.

Table A-65
Western Burning Ground - Independent Sampling Detected Soil Results - 1997

SITE ID	Comparison Criteria		SS-04	SS-04a	SS-05
SAMPLING DATE			3-JUN-97	3-JUN-97	3-JUN-97
DEPTH (ft)	BTAG	Background	0-0.5	0-0.5	0-0.5
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs					
bis(2-Ethylhexyl)phthalate	na	na	0.10 J	0.09 J	0.07 J
Di-n-butylphthalate	na	na	0.04 J	nd	nd
VOCs					
Acetone	na	na	nd	nd	0.004 B
Carbon Disulfide	na	na	0.0008 J	nd	nd
Methylene Chloride	0.3	na	0.003 B	0.003 B	0.002 B
PEST/PCB					
Aroclor-1254	0.1	na	0.08	0.05	nd
Dioxins/Furans					
1,2,3,6,7,8-HxCDD	na	na	0.000001062 J	0.000000503	nd
1,2,3,7,8,9-HxCDD	na	na	0.000000567 J	nd	nd
1,2,3,4,6,7,8-HpCDD	na	na	0.000021925	0.00001374	0.00001422
1,2,3,4,6,7,8,9-OCDD	na	na	0.000835467	0.000514342	0.00067782
1,2,3,4,7,8-HxCDF	na	na	nd	nd	0.000000756 J
1,2,3,4,6,7,8-HpCDF	na	na	0.000002541 B	0.000001492 B	0.000002285 B
1,2,3,4,6,7,8,9-OCDF	na	na	0.00000397 B	0.000002011 B	0.000003306 B
Other TCDF	na	na	nd	0.000001169 I	0.000001248 I
Other PeCDF	na	na	0.000001176	0.000002388 I	0.000003891 I
Other HxCDF	na	na	0.000007154 J	0.000004695 I	0.000015869 I
Other HxCDD	na	na	0.000004853 J	0.000003464	0.000003753
Other HpCDF	na	na	0.000004247 I	0.000002527 I	0.000004698 I
Other HpCDD	na	na	0.000018718	0.00001187	0.000013721
Toxicity Equivalents (Dioxins/Furans)	na	na	0.000001217	0.000000702	0.000000895

Bold outline indicates that the value exceeds the BTAG screening level.
Shading indicates that the value exceeds the background soil concentration.

Table A-66
Western Burning Ground - Independent Sampling Detected Surface Water Results - 1997

SITE ID		SW-01	SW-02
SAMPLING DATE	BTAG	5-JUN-97	4-JUN-97
DEPTH (ft)	Aqueous	na	na
MATRIX	Criteria	CSW	CSW
UNITS	ug/L	ug/L	ug/L
Metals			
Calcium	na	73,600	77,200
Iron	320	nd	297
Lead	3.2	nd	2.0
Magnesium	na	12,600	13,800
Manganese	14500	nd	26
Potassium	na	2,700	2,610
Sodium	na	6,540	22,400
Vanadium	10000	79	75

Table A-67
Western Burning Ground - Independent Sampling Detected Sediment Results - 1997

SITE ID	Comparison Criteria		SD-01	SD-02
SAMPLING DATE			4-JUN-97	4-JUN-97
DEPTH (ft)	BTAG	Background	NA	NA
MATRIX	Sediment Criteria	Soil Levels	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Metals				
Aluminum	na	40041	7,760	8,140
Arsenic	8.2	15.8	5.1	4.8
Barium	na	209	55.4	68.0 J
Beryllium	na	1.02	1.1	0.7
Calcium	na	na	9,190	6,110
Chromium	81	65.3	29.9	20.6
Cobalt	na	72.3	5.2	6.5
Copper	34	53.5	28.3	85.1
Iron	na	50962	18,500	14,200
Lead	46.7	26.8	23.5	36.6
Magnesium	na	na	3,260	1,480
Manganese	na	2543	112	245
Nickel	20.9	62.8	10.6	8.8
Potassium	na	na	435	479
Sodium	na	na	118	100
Thallium	na	2.11	0.2	0.2
Vanadium	na	108	30.7	27.2
Zinc	150	202	69.5	61.2

Bold outline indicates that the value exceeds the BTAG screening level.
Shading indicates that the value exceeds the background soil concentration.

Table A-67
Western Burning Ground - Independent Sampling Detected Sediment Results - 1997

SITE ID	Comparison Criteria		SD-01		SD-02	
SAMPLING DATE			4-JUN-97		4-JUN-97	
DEPTH (ft)	BTAG	Background	NA		NA	
MATRIX	Sediment Criteria	Soil Levels	CSE		CSE	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg	
SVOCs						
Benz[a]anthracene	0.261	na	0.09	J	0.10	J
Benzo[a]pyrene	0.43	na	0.09	J	nd	
Benzo[b]fluoranthene	3.2	na	0.09	J	0.10	J
Benzo[k]fluoranthene	na	na	0.09	J	0.10	J
bis(2-Ethylhexyl)phthalate	1.3	na	0.06	J	0.18	J
Chrysene	0.384	na	0.09	J	0.13	J
Fluoranthene	0.6	na	0.3	J	0.2	J
4-Methylphenol	0.67	na	0.5	J	0.2	J
Phenanthrene	0.24	na	0.12	J	0.15	J
Pyrene	0.665	na	0.20	J	0.15	J
VOCs						
Acetone	na	na	0.056	B	0.078	B
2-Butanone	na	na	0.015		0.019	
Methylene Chloride	na	na	0.002	B	0.002	B
Toluene	na	na	0.103		0.010	J
PEST/PCB						
4,4'-DDE	0.002	na	nd		0.07	R

Bold outline indicates that the value exceeds the BTAG screening level.
Shading indicates that the value exceeds the background soil concentration.

Table A-68
Western Burning Ground - RI Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria		WBGSB1A		WBGSB1B		WBGSB2A		WBGSB2B		WBGSB2C		WBGSB3A		WBGSB4A		WBGSB5A	
FIELD ID			WBGSB1A		WBGSB1B		WBGSB2A		WBGSB2B		WBGSB2C		WBGSB3A		WBGSB4A		WBGSB5A	
SAMPLING DATE			5-AUG-98		5-AUG-98		5-AUG-98		5-AUG-98		5-AUG-98		5-AUG-98		5-AUG-98		5-AUG-98	
DEPTH (ft)	BTAG	Background	0.0 - 2.0		2.0 - 4.0		0.0 - 2.0		6.0 - 8.0		9.0 - 11.0		0.0 - 1.0		0.0 - 1.5		0.0 - 2.0	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO		CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																		
Aluminum	1	40041	12,500		14,200		10,100		12,700		27,000		14,500		13,200		15,300	
Antimony	0.48	na	< 0.56		< 0.57		< 0.56		< 0.69		< 0.71		5.3	J	< 0.58		< 0.58	
Arsenic	328	15.8	9.4	J	7.8	J	17	J	3.7	J	5.3	J	35.8		37.9		9.8	J
Barium	440	209	210	J	26.9	J	457	J	22.3	B	45.9	J	610	J	584	J	49.6	J
Beryllium	0.02	1.02	0.32	J	0.7		0.48	J	2.7		1.4		0.29	J	0.42	J	0.54	J
Cadmium	3	0.69	0.45	J	< 0.11		1.9		< 0.14		0.3	J	2.7		0.4	J	< 0.12	
Calcium	na	na	33,900		2,570	B	97,300		4,710	B	37,300		47,600		10,600	B	9,430	B
Chromium	0.02	65.3	195		41.5		233		28		64.1		249		34.9		38.2	
Cobalt	0.1	72.3	7.2	J	7.8	J	8.7	J	7.9	J	16.4	J	10.9	J	8.3	J	8.6	J
Copper	15	53.5	556		18	B	203		14.9	B	13.9	B	1340		194		53.4	
Iron	3260	50962	34,500		27,300		26,300		19,900		28,700		42,900		28,000		39,300	
Lead	2	26.8	2,070		179		2,450		10		13		3,990		2,480		45	
Magnesium	4400	na	18,900		2,490	B	21,000		17,900		58,900		23,200		4,910		3,560	
Manganese	330	2543	177		44.9		312		255		247		548		161		139	
Nickel	2	62.8	11.6	J	12	J	18.6	J	17.7	J	20	J	28.4	J	17.7	J	11.7	J
Potassium	na	na	1,100	J	1,040	J	1,950	J	2,860	J	10,600	J	1,620	J	836	J	1,030	J
Silver	0.0000098	na	0.23	UJ	0.23	UJ	0.24	B	0.28	UJ	0.28	UJ	0.5	B	0.23	UJ	0.23	UJ
Sodium	na	na	111	B	49.1	B	217	B	65.8	B	120	B	384	B	123	B	78.7	B
Thallium	0.001	2.11	0.23	UJ	0.23	UJ	0.41	B	0.28	UJ	0.67	B	0.86	B	0.23	UJ	0.23	UJ
Vanadium	0.5	108	45.9	J	56.2	J	33.5	J	38.3	J	67.7	J	53.9	J	54	J	70.3	J
Zinc	10	202	1,100		58	B	2,520		47	B	57	B	3,250		1,280		126	B

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-69
Western Burning Ground - RI Detected Organic Results in Soil - 1998

SITE ID		WBGSB3A		WBGSB4A	
FIELD ID		WBGSB3A		WBGSB4A	
SAMPLING DATE		5-AUG-98		5-AUG-98	
DEPTH (ft)	BTAG	0-1		0-1.5	
MATRIX	Soil Criteria	CSO		CSO	
UNITS	mg/kg	mg/kg		mg/kg	
SVOCs					
2,4-Dinitrotoluene	na	0.99		< 0.38	
2,6-Dinitrotoluene	na	0.067	J	< 0.38	
Anthracene	0.1	< 0.37		0.046	J
Benz[a]anthracene	0.1	0.16	J	0.15	J
Benzo[a]pyrene	0.1	0.4	J	0.33	J
Benzo[b]fluoranthene	0.1	0.62	J	0.48	J
Benzo[g,h,i]perylene	0.1	0.17	J	0.13	J
Benzo[k]fluoranthene	0.1	0.51	J	0.4	J
bis(2-Ethylhexyl)phthalate	na	0.043	J	0.38	UJ
Carbazole	na	< 0.37		0.049	J
Chrysene	0.1	0.24	J	0.22	J
Fluoranthene	0.1	0.33	J	0.33	J
Indeno[1,2,3-cd]pyrene	0.1	0.15	J	0.13	J
N-Nitrosodiphenylamine	na	0.062	J	< 0.38	
Phenanthrene	0.1	0.12	J	0.19	J
Pyrene	0.1	0.4		0.43	J

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-70
Western Burning Ground - RI Detected Surface Water Results - 1998

SITE ID		WBGSW1		WBGSW2		WBGSW3	
FIELD ID		WBGSW1		WBGSW2		WBGSW3	
SAMPLING DATE	BTAG	16-JUL-98		16-JUL-98		16-JUL-98	
DEPTH (ft)	Aqueous	na		na		na	
MATRIX	Criteria	CSW		CSW		CSW	
UNITS	ug/L	ug/L		ug/L		ug/L	
Metals							
Aluminum	25	66.6	B	63	B	39.2	B
Barium	10000	79.2	B	73.4	B	54	B
Calcium	na	61,900	B	56,700	B	66,500	B
Copper	6.5	19.6	B	15	B	23.5	B
Iron	320	307	B	434	B	41.6	B
Magnesium	na	15,300	B	14,200	B	12,100	B
Manganese	14500	10.2	B	18.5	B	2	B
Nickel	160	1.4	J	1.5	J	1	
Potassium	na	2,100	B	2,010	B	1,900	B
Sodium	na	29,700		27,800		21,100	
Thallium	40	5.4	B	2	UJ	2.3	B
Zinc	30	21.3	B	21.1	B	23.7	B
SVOCs							
Diethylphthalate	3	1.0	J	< 10		< 10	

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-71
Western Burning Ground - RI Detected Metal Results in Sediment - 1998

SITE ID	Comparison Criteria		WBGSD1		WBGSD2		WBGSD3	
FIELD ID			WBGSD1		WBGSD2		WBGSD3	
SAMPLING DATE			16-JUL-98		16-JUL-98		16-JUL-98	
DEPTH (ft)	BTAG	Background	0.0 - 0.5		0.0 - 0.5		0.0 - 0.5	
MATRIX	Sediment Criteria	Soil Levels	CSE		CSE		CSE	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg	
Metals								
Aluminum	na	40041	23,100		23,900		6,720	
Arsenic	8.2	15.8	10.3		10		2.9	
Barium	na	209	96.7	J	65.2	J	47.3	J
Beryllium	na	1.02	1.2	B	0.8	B	0.93	B
Calcium	na	na	2,450	B	30,400		11,800	B
Chromium	81	65.3	40		46.8		26	
Cobalt	na	72.3	25.1	J	13.5	J	3.2	J
Copper	34	53.5	15.4	B	18.8	B	15	B
Iron	na	50962	36,800		33,900		8,530	
Lead	46.7	26.8	28.1		26.8		18.7	
Magnesium	na	na	2,140	B	4,010		1,800	B
Manganese	na	2543	721		165		25.9	
Nickel	20.9	62.8	17.9	J	17.9	J	7.7	J
Potassium	na	na	1,350	J	2,210	J	376	B
Silver	1	na	0.79	B	1.6	B	0.95	B
Sodium	na	na	194	B	389	B	398	B
Thallium	na	2.11	1.7	B	0.54	UJ	0.56	UJ
Vanadium	na	108	66.2	J	67.3	J	20.1	J
Zinc	150	202	38	B	41.8	B	65.9	B

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-72
Western Burning Ground - RI Detected Organic Results in Sediment - 1998

SITE ID		WBGSD1	WBGSD2	WBGSD3
SAMPLING DATE	BTAG	16-JUL-98	16-JUL-98	16-JUL-98
DEPTH (ft)	Sediment	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
MATRIX	Criteria	CSE	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
VOCs				
Acetone	na	0.003 J	< 0.014	0.024 J
Toluene	na	0.004	0.047	0.016
SVOCs				
3-Methylphenol	0.67	< 0.42	2.2	< 0.94

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria		WBGBC1A		WBGBC1B		WBGSB6A		WBGSB7A		WBGSB8A		WBGSB9A	
SAMPLING DATE	BTAG	Background	8/18/1999		8/18/1999		5/26/1999		5/26/1999		5/26/1999		5/26/1999	
DEPTH (ft)	Soil Criteria	Soil Levels	0-2		5-7		0-2		0-2		0-2		0-2	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals														
Aluminum	1	40041	27900		46500		17100		14700		15800		15500	
Antimony	0.48	na	1.7	B	2.2	B	< 0.63		< 0.61		1.9	B	< 0.62	
Arsenic	328	15.8	11.2	K	11.4	K	11.6		10		17.1		14.9	
Barium	440	209	33.1		105		11.5	L	20.6	L	35.9	L	72.2	L
Beryllium	0.02	1.02	0.83	B	2.5		0.61	K	0.52	K	0.65	K	0.78	K
Cadmium	3	0.69	< 0.12		0.31	J	0.44		0.3		0.74		0.54	
Calcium	na	na	3730		4630		533		856		1300		1780	
Chromium	0.02	65.3	39.4		65.3		37.7		28.1		46.6		45.7	
Cobalt	0.1	72.3	17		17.3		7.1		8.2		7.2		11.9	
Copper	15	53.5	28.1		43		35.7	K	21.6		40	K	33.8	K
Iron	3260	50962	46000		43700		37600		31800		39300		39100	
Lead	2	26.8	33.2		18.6		21	J	15.1	J	79.4	J	43.6	J
Magnesium	4400	na	3990		31300		337		416		688		1100	
Manganese	330	2543	268		256		70.7	K	87	K	82.8	K	122	K
Mercury	0.058	0.13	0.19		< 0.12		< 0.13		< 0.12		< 0.13		0.21	K
Nickel	2	62.8	18.4		36		17.9	K	11.5	K	15.1	K	16.2	K
Potassium	na	na	1240		5960		488		545		704		684	
Selenium	1.8	na	< 0.59		< 0.59		0.5	UL	0.49	UL	0.51	UL	0.5	UL
Silver	0.0000098	na	< 0.12		< 0.12		0.35	B	0.28	B	0.36	B	0.41	B
Sodium	na	na	116	B	153	B	120	B	123	B	159	B	148	B
Thallium	0.001	2.11	0.82	UJ	0.83	UJ	0.88		< 0.85		< 0.89		< 0.87	
Vanadium	0.5	108	74.9		75.8		82.8	K	61.7	K	86.2	K	82.3	K
Zinc	10	202	414		59.5		59.5	K	30.9	K	381	K	96.5	K

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria		WBGSB10A		WBGSB11A		WBGSB12		WBGSB13		WBGSB13A		WBGSB14	
SAMPLING DATE	BTAG	Background	5/26/1999		5/26/1999		8/18/1999		10/6/1999		10/6/1999		10/6/1999	
DEPTH (ft)	Soil Criteria	Soil Levels	0-2		0-2		0-4		0-2		2-4		0-2	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals														
Aluminum	1	40041	14800		8570		18300		10600		11700		16000	
Antimony	0.48	na	< 0.58		< 0.56		1.7	B	< 0.49		< 0.5		< 0.59	
Arsenic	328	15.8	8.5		6	B	9.8	K	6.8	B	8	L	11.3	L
Barium	440	209	30	L	22.9	L	23.8	J	14.7	J	27.8		17.2	J
Beryllium	0.02	1.02	0.57	K	0.23	K	0.55	B	0.59	B	1.3	B	0.68	B
Cadmium	3	0.69	0.33		< 0.11		< 0.12		< 0.1		< 0.1		< 0.12	
Calcium	na	na	1630		660		1300		714		1230		826	
Chromium	0.02	65.3	30.6		22.2		35.7		23.9		37.3		32.3	
Cobalt	0.1	72.3	6		5.8		8.3		6.2		23		17.9	
Copper	15	53.5	21.1		10.4		20		17.7		18.2		24.6	
Iron	3260	50962	35000		20400		36400		29000		27800		40300	
Lead	2	26.8	11.6		11.6		19		19.3		25.5		33.3	
Magnesium	4400	na	601		319		866		434	J	2510		699	
Manganese	330	2543	71.3	K	131	K	111		79.9		241		192	
Mercury	0.058	0.13	0.21	K	< 0.11		0.2		< 0.1		< 0.1		< 0.11	
Nickel	2	62.8	10.7	K	5.3		12.8		9		13.6		13.8	
Potassium	na	na	583		444		969		488	J	861		858	
Selenium	1.8	na	0.58	UL	1.2		< 0.61		0.49	UL	0.5	UL	0.59	UL
Silver	0.0000098	na	0.28	B	0.13	B	< 0.12		1.5		1.6		< 0.12	
Sodium	na	na	112	B	119	B	90	B	119	B	102	B	176	B
Thallium	0.001	2.11	< 0.81		< 0.78		0.85	UJ	0.69		< 0.7		< 0.83	
Vanadium	0.5	108	63.8	K	39	K	65.9		49.7		52.5		78.5	
Zinc	10	202	25.7	K	15.2	K	32.8		25.7	K	28.4	K	30.3	

Bold outline indicates that the value exceeds the BTAG screenin

Cell shading indicates that the value exceeds the background soi

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria		WBGSB14A	WBGSB15	WBGSB15A	WBGSB16	WBGSB16A	WBGSB17	WBGSB17A
SAMPLING DATE	BTAG	Background	10/6/1999	10/6/1999	10/6/1999	10/6/1999	10/6/1999	10/6/1999	10/6/1999
DEPTH (ft)	Soil Criteria	Soil Levels	2-4	0-2	2-4	0-2	2-4	0-2	2-4
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	1	40041	11400	10400	14600	13700	15900	15400	15700
Antimony	0.48	na	< 0.62	< 0.49	< 0.5	< 0.61	< 0.63	< 0.64	< 0.64
Arsenic	328	15.8	8.4 L	7.4 B	9.2 L	12.5 L	12.5 L	11.9 L	13 L
Barium	440	209	24.4 J	17 J	17.6 J	26.3	20.7 J	19.6 J	17.1 J
Beryllium	0.02	1.02	0.69 B	0.67 B	1.1 B	0.96 B	0.93 B	0.77 B	0.81 B
Cadmium	3	0.69	< 0.12	< 0.1	< 0.1	< 0.12	< 0.13	< 0.13	< 0.13
Calcium	na	na	1450	643	1250	1300	1420	1130	1430
Chromium	0.02	65.3	30.6	24.1	43.1	37.5	41.1	39.4	40.4
Cobalt	0.1	72.3	7.7	7.5	10.6	31.4	10.1	11	7.3
Copper	15	53.5	21.8	18.4	27.2	29.8	23.9	27.4	31.4
Iron	3260	50962	31600	30300	42700	46700	42500	44300	48800
Lead	2	26.8	21.3	18	25.6	44.4	25.3	26.9	26.9
Magnesium	4400	na	912	526	372 J	693	12000	698	708
Manganese	330	2543	83.2	92.5	71.5	241	125	119	119
Mercury	0.058	0.13	< 0.12	< 0.1	0.14 K	< 0.12	< 0.12	< 0.13	< 0.12
Nickel	2	62.8	10.7	9.6	19.5	14.4	14.1	13.8	16
Potassium	na	na	788	512	634	690	1030	728	981
Selenium	1.8	na	0.62 UL	0.49 UL	0.5 UL	0.61 UL	0.63 UL	0.64 UL	0.64 UL
Silver	0.0000098	na	< 0.12	1.8	2	< 0.12	< 0.13	< 0.13	< 0.13
Sodium	na	na	163 B	91.8 B	95.7 B	149 B	163 B	142 B	151 B
Thallium	0.001	2.11	< 0.88	< 0.68	< 0.69	< 0.85	< 0.88	< 0.89	< 0.89
Vanadium	0.5	108	62.2	55.7	76.2	81.6	74.9	83.5	88.9
Zinc	10	202	33	23.7 K	31.8 K	54.7	39.7	40.1	53.3

Bold outline indicates that the value exceeds the BTAG screenin

Cell shading indicates that the value exceeds the background soi

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria		WBGSB18	WBGSB18A	WBGSB19	WBGSB19A	WBGSB20	WBGSB20A	WBGSB21
SAMPLING DATE	BTAG	Background	10/6/1999	10/6/1999	10/6/1999	10/6/1999	10/6/1999	10/6/1999	10/6/1999
DEPTH (ft)	Soil Criteria	Soil Levels	0-2	2-4	0-2	2-4	0-2	2-4	0-2
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	1	40041	15700	12900	14500	8650	20900	15700	11100
Antimony	0.48	na	< 0.59	< 0.59	< 0.5	< 0.5	< 0.59	< 0.61	< 0.49
Arsenic	328	15.8	10.2 L	8.1 L	5.4 B	6.4 B	9.9 L	14.3 L	8.5 L
Barium	440	209	18.5 J	16.4 J	20	23	17.5 J	23.9 J	25.5
Beryllium	0.02	1.02	0.56 B	0.35 B	1 B	0.53 B	1.1 B	0.66 B	0.71 B
Cadmium	3	0.69	< 0.12	< 0.12	< 0.1	< 0.1	< 0.12	< 0.12	< 0.1
Calcium	na	na	836	843	760	828	1680	2940	1220
Chromium	0.02	65.3	38.8	38.7	35.3	22.6	45.7	41.3	28.8
Cobalt	0.1	72.3	6.3	5.4 J	7.1	8.1	17.7	8.9	8.6
Copper	15	53.5	22.9	19.9	21.3	11.9	32.3	27.5	19.3
Iron	3260	50962	39700	39800	39200	23400	43400	47100	32300
Lead	2	26.8	19.6	12.6	15.1	18	28.9	23.6	24
Magnesium	4400	na	609	713	627	481 J	2480	808	784
Manganese	330	2543	74.6	47.4	45.7	129	119	148	158
Mercury	0.058	0.13	< 0.12	< 0.12	< 0.1	< 0.1	0.16 K	0.18 K	< 0.1
Nickel	2	62.8	12.6	7.6	12.2	6.7	20	14.4	9.4
Potassium	na	na	534 J	708	670	652	1420	973	442 J
Selenium	1.8	na	0.59 UL	0.59 UL	0.5 UL	0.5 UL	0.59 UL	0.61 UL	0.49 UL
Silver	0.0000098	na	< 0.12	< 0.12	2.2	1.4	< 0.12	< 0.12	1.7
Sodium	na	na	134 B	126 B	104 B	92.7 B	131 B	154 B	95.2 B
Thallium	0.001	2.11	< 0.83	< 0.82	< 0.69	< 0.7	< 0.82	< 0.85	< 0.68
Vanadium	0.5	108	80.6	71	70.2	42.1	84.6	92.3	57.3
Zinc	10	202	29.2	16.9	28.1 K	17.6 K	38.2	38.3	33.7 K

Bold outline indicates that the value exceeds the BTAG screenin

Cell shading indicates that the value exceeds the background soi

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria		WBGSB21A	WBGTP1A	WBGTP1B	WBGTP1B2	WBGTP1S	WBGTP1SB	WBGTP2A
SAMPLING DATE	BTAG	Background	10/6/1999	6/22/1999	6/23/1999	7/23/1999	6/22/1999	6/23/1999	6/22/1999
DEPTH (ft)	Soil Criteria	Soil Levels	2-4	2.5-3	3-3.5	3.5-4	1-1.5	1-1.5	2.5-3
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	1	40041	14600	11700	9950	10300	10000	8270	8450
Antimony	0.48	na	0.61 J	< 0.62	< 0.63	1.3 B	< 0.63	< 0.57	< 0.62
Arsenic	328	15.8	11.6 L	6.5 B	6 B	5.4 B	4.2 B	4.4 B	3.8 B
Barium	440	209	22 J	24.4	38.6	56	21.5 J	25.4	17 J
Beryllium	0.02	1.02	0.75 B	0.77 B	0.85 B	0.91 B	0.36 B	0.29 B	0.49 B
Cadmium	3	0.69	< 0.12	< 0.12	< 0.13	< 0.12	< 0.13	< 0.11	< 0.12
Calcium	na	na	1360	1420	1840	7020	990	912	2030
Chromium	0.02	65.3	34.8	38.6 K	47.9 K	69.6	25 K	22 K	24.9 K
Cobalt	0.1	72.3	10	11.8 K	7.8	7.1 K	8.5	6.2	7.9
Copper	15	53.5	26.5	23.5	22.5	26.1 K	12.2	11.8	16.7
Iron	3260	50962	40600	36400	30200	30100	25000	21100	25200
Lead	2	26.8	24	34	231	808	14.8	17.9	25.4
Magnesium	4400	na	605	836	2340	4020	462 J	458 J	771
Manganese	330	2543	127	123 K	109 K	144	117 K	123 K	125 K
Mercury	0.058	0.13	< 0.12	< 0.12	< 0.13	< 0.12	0.21	< 0.11	0.2
Nickel	2	62.8	13.8	11.1 J	10.3 J	10 K	4.4 J	4.2 J	7.1 J
Potassium	na	na	629	766	1010	1020 J	438 J	335 J	678
Selenium	1.8	na	0.59 UL	< 0.5	0.61 K	0.61 UL	< 0.5	< 0.45	0.58 J
Silver	0.0000098	na	< 0.12	< 0.12	< 0.13	0.24 B	< 0.13	< 0.11	< 0.12
Sodium	na	na	124 B	194 B	61.6 B	23.7 B	122 B	45.2 B	133 B
Thallium	0.001	2.11	< 0.82	< 0.87	< 0.88	< 0.85	< 0.88	< 0.79	< 0.87
Vanadium	0.5	108	77.5	69.3 K	52.3 K	57.4 K	47.7 K	35.7 K	49.4 K
Zinc	10	202	40	29 K	86.6 K	311 J	22.1 K	26.5 K	25.1 K

Bold outline indicates that the value exceeds the BTAG screenin

Cell shading indicates that the value exceeds the background soil

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria		WBGTP2B	WBGTP2S	WBGTP3A	WBGTP3S	WBGTP4A	WBGTP4B	WBGTP4S
SAMPLING DATE	BTAG	Background	6/22/1999	6/22/1999	6/23/1999	6/23/1999	6/24/1999	6/24/1999	6/24/1999
DEPTH (ft)	Soil Criteria	Soil Levels	3-3.5	1-1.5	2.5-3	1-1.5	2.5-3	2-2.5	0.5-1
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	1	40041	6910	11600	16700	11200	14700	15000	14300
Antimony	0.48	na	< 0.58	< 0.61	< 0.59	< 0.59	< 0.63	< 0.61	< 0.61
Arsenic	328	15.8	1.7 B	7.3	9.8	5.4 B	9.7 K	9.2 K	9.4 K
Barium	440	209	13.7 J	52.5	51.8	22.9 J	25.7	26.8	15.2
Beryllium	0.02	1.02	0.24 B	0.67 B	1.2 B	0.52 B	0.44 B	0.29 B	0.3 B
Cadmium	3	0.69	< 0.12	0.2 K	0.28 K	< 0.12	< 0.13	< 0.12	< 0.12
Calcium	na	na	1860	3640	7190	2650	1640	2890	657
Chromium	0.02	65.3	23.3 K	41.3 K	45.2 K	35.8 K	41.1	36.4	34.6
Cobalt	0.1	72.3	2.3 J	9.5 K	16.1 K	9	13.3	8.4	6.6
Copper	15	53.5	10	66 K	34.1 K	20.3	25.2 K	23.1 K	24.6 K
Iron	3260	50962	16400	30900	36300	32300	38900	34700	39500
Lead	2	26.8	54.8	173	137	19.5	39.6	36.8	19.9
Magnesium	4400	na	521 J	2170	4150	890	1170	1350	510
Manganese	330	2543	38.5 K	149 K	160 K	81.9 K	132	92	74
Mercury	0.058	0.13	< 0.11	0.13	< 0.12	< 0.12	< 0.13	< 0.12	< 0.12
Nickel	2	62.8	2.6 J	10.8 J	15.9 J	11.7 J	12.2	9.9	10.2
Potassium	na	na	382 J	741	1750	418 J	835 J	1090 J	573 J
Selenium	1.8	na	< 0.47	< 0.49	< 0.47	0.52 K	< 0.5	< 0.49	< 0.49 K
Silver	0.0000098	na	< 0.12	< 0.12	< 0.12	< 0.12	< 0.13	< 0.12	< 0.12
Sodium	na	na	109 B	130 B	81.6 B	46.5 B	75.5 B	99.1 B	68 B
Thallium	0.001	2.11	< 0.81	< 0.86	< 0.83	1.2 J	< 0.88	< 0.86	< 0.85
Vanadium	0.5	108	44.7 K	55.7 K	57.4 K	50.1 K	69.7	63.7	71
Zinc	10	202	18.5 K	214 K	309 K	178 K	40.7	57	132

Bold outline indicates that the value exceeds the BTAG screenin

Cell shading indicates that the value exceeds the background soil

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria		WBGTP5A	WBGTP5B	WBGTP6A	WBGTP7A	WBGTP7B	WBGTP7S	WBGTP8A
SAMPLING DATE	BTAG	Background	6/24/1999	6/24/1999	6/23/1999	7/13/1999	7/14/1999	7/14/1999	7/13/1999
DEPTH (ft)	Soil Criteria	Soil Levels	2.5-3	2.5-3	2.5-3	2.5-3	7/15/1999	1-1.5	3-3.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	1	40041	14300	15200	9480	11800	9090	15300	13300
Antimony	0.48	na	< 0.6	< 0.62	< 0.68	< 0.63	< 0.62	< 0.64	< 0.62
Arsenic	328	15.8	7.2 B	8.3 K	3.7 B	4.5 B	2.8 B	7.8 B	4.3 B
Barium	440	209	24.4	29.5	18.9 J	24.3 J	22.5 J	14 J	22.4 J
Beryllium	0.02	1.02	0.16 B	0.26 B	< 0.14	0.29 B	< 0.12	0.23 B	0.3 B
Cadmium	3	0.69	< 0.12	< 0.12	< 0.14	< 0.13	< 0.12	< 0.13	< 0.12
Calcium	na	na	1060	2610	1170	1440	1320	755	1270
Chromium	0.02	65.3	30.7	34.1	29 K	33	17.7 K	38.8	30.3
Cobalt	0.1	72.3	6.9	8.3	1.9 J	6.3 K	2.7 K	4.3 K	3.2 K
Copper	15	53.5	16.7 K	23 K	12.6	16.2 K	9.2	20.5 K	15.2
Iron	3260	50962	29900	32200	22800	25900	16700	36700	24800
Lead	2	26.8	14.1	32.6	9.3	81.4	17.4	11.5	9.4
Magnesium	4400	na	689	1290	549 J	943	765	522 J	1050
Manganese	330	2543	83.1	85.1	21.3 K	60.7	48.1	46.3	39.5
Mercury	0.058	0.13	< 0.12	< 0.12	0.21	< 0.13	< 0.12	< 0.13	< 0.12
Nickel	2	62.8	8	10.3	2.5 J	5.1	2.8 J	6.1	5.9
Potassium	na	na	1120 J	1110 J	1250	807 J	1070 J	1300 J	942 J
Selenium	1.8	na	< 0.48	< 0.49 K	0.72 K	< 0.51	< 0.62	< 0.64	< 0.5
Silver	0.0000098	na	< 0.12	< 0.12	< 0.14	0.14 B	< 0.12	0.24 B	0.22 B
Sodium	na	na	111 B	106 B	59 B	166 B	249 B	236 B	198 B
Thallium	0.001	2.11	< 0.83	< 0.86	< 0.95	< 0.89	< 0.87	< 0.9	< 0.87
Vanadium	0.5	108	56.3	60.5	42.3 K	51.8 K	36.5 K	91.1 K	56.1 K
Zinc	10	202	26.2	58.4	25.3 K	63.6	17.2 K	25.6 K	95.4

Bold outline indicates that the value exceeds the BTAG screenin

Cell shading indicates that the value exceeds the background soi

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria		WBGTP8B	WBGTP9A	WBGTP9S	WBGTP10A	WBGTP10B	WBGTP10S	WBGTP11A
SAMPLING DATE	BTAG	Background	7/13/1999	6/24/1999	6/24/1999	7/15/1999	7/15/1999	7/15/1999	7/15/1999
DEPTH (ft)	Soil Criteria	Soil Levels	3-3.5	2.5-3	1-1.5	2.5-3	2.5-3	0.5-1	2.5-3
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	1	40041	10400	10400	12300	10800	7520	13300	5760
Antimony	0.48	na	< 0.6	< 0.61	< 0.59	< 0.57	< 0.57	< 0.61	< 0.55
Arsenic	328	15.8	3.4 B	9.7 K	9.5 K	7.3 B	2.6 B	13	2.7 B
Barium	440	209	21.6 J	184	28.9	33.2	14.7 J	15.3 J	20 J
Beryllium	0.02	1.02	0.37 B	0.14 B	0.29 B	0.49 B	< 0.11	0.55 B	0.12 B
Cadmium	3	0.69	< 0.12	0.75	< 0.12	< 0.11	< 0.11	< 0.12	< 0.11
Calcium	na	na	1710	29200	2010	2090	1430	796	1040
Chromium	0.02	65.3	23.8	34.5	34	28.9	13.5 K	36.6	12.5 K
Cobalt	0.1	72.3	6.2 K	6.1 J	8.8	7.7 K	1.4 K	10 K	2.3 K
Copper	15	53.5	19.1 K	122 K	45.1 K	20.3 K	8.2 K	26.1 K	7.1 K
Iron	3260	50962	26400	25800	39500	30600	14300	44100	13400
Lead	2	26.8	15.6	265	33.3	26	8.9	23.2	7.9
Magnesium	4400	na	1120	4640	511	856	475 J	381 J	408 J
Manganese	330	2543	98.3	152	157	99.1	27.2 K	208	42.4 K
Mercury	0.058	0.13	< 0.12	< 0.12	< 0.11	< 0.12	< 0.11	< 0.12	< 0.11
Nickel	2	62.8	5.8	10.1	10 B	7.5	1.3 J	11.3	1.8 J
Potassium	na	na	796 J	866 J	452 J	1370 J	465 J	830 J	930 J
Selenium	1.8	na	< 0.48	< 0.49	< 0.47 K	< 0.57	< 0.57	< 0.61	< 0.55
Silver	0.0000098	na	0.12 B	0.14 B	< 0.12	0.21 B	0.16 B	0.29 B	< 0.11
Sodium	na	na	169 B	116 B	58 B	183 B	158 B	148 B	150 B
Thallium	0.001	2.11	< 0.84	< 0.86	< 0.82	< 0.79	0.82 J	< 0.85	< 0.77
Vanadium	0.5	108	43 K	48.2	62.3	58.4 K	29.6 K	77.1 K	28 K
Zinc	10	202	72.8	685 L	689	45.5	22.7 K	113	16 K

Bold outline indicates that the value exceeds the BTAG screenin

Cell shading indicates that the value exceeds the background soi

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria		WBGTP11B	WBGTP12A	WBGTP12S	WBGTP13A	WBGTP13B	WBGTP13S
SAMPLING DATE	BTAG	Background	7/15/1999	7/15/1999	7/15/1999	7/22/1999	7/22/1999	7/22/1999
DEPTH (ft)	Soil Criteria	Soil Levels	2.5-3	2.5-3	0.5-1	1.5-2	1-1.5	1.5-2
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals								
Aluminum	1	40041	13800	9390	11300	9150	11000	18700
Antimony	0.48	na	< 0.58	< 0.56	< 0.61	0.71 B	1.2 B	1.3 B
Arsenic	328	15.8	8.2	7.5 B	8.7	3.8 B	4.9 B	5.3 B
Barium	440	209	95.9	132	108	21.7 J	24.3	73.1
Beryllium	0.02	1.02	0.71 B	0.34 B	0.49 B	0.31 B	0.79 B	2.5 J
Cadmium	3	0.69	0.22 K	0.36 K	0.19 K	< 0.12	< 0.12	< 0.11
Calcium	na	na	15700	29000	2610	2870	2330	7740
Chromium	0.02	65.3	35.1	23.4	37.3	46.2	42.4	45.8
Cobalt	0.1	72.3	6.8 K	5.6 K	8.9 K	3.2 K	21.1 K	20.1 K
Copper	15	53.5	63.6	55.8	108	19.3 K	24 K	26.3 K
Iron	3260	50962	27300	19700	33600	32100	39200	34200
Lead	2	26.8	89.7	161	116	135	113	140
Magnesium	4400	na	6330	7470	1340	1090	1050	10500
Manganese	330	2543	113	115	152	72.8	152	297
Mercury	0.058	0.13	< 0.11	< 0.11	< 0.12	< 0.12	< 0.12	< 0.12
Nickel	2	62.8	11.6	7.3	10.6	4 K	9.4 K	27.6 K
Potassium	na	na	1560 J	1050 J	544 J	441 J	639 J	1860 J
Selenium	1.8	na	< 0.58	< 0.56	< 0.61	0.59 UL	0.6 UL	0.56 UL
Silver	0.0000098	na	0.18 B	0.16 B	0.26 B	0.26 B	0.72 B	< 0.11
Sodium	na	na	201 B	212 B	165 B	148 B	139 B	162 B
Thallium	0.001	2.11	< 0.81	< 0.78	< 0.85	< 0.83	< 0.85	< 0.79
Vanadium	0.5	108	48.4 K	38.4 K	63.1 K	56.2 K	68.3 K	63.6 K
Zinc	10	202	172	305	613	90.2 J	48.5 J	42.3 J

Bold outline indicates that the value exceeds the BTAG screenin

Cell shading indicates that the value exceeds the background soi

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria		WBGTP14A		WBGTP14B		WBGTP15A		WBGTP16A		WBGTP16A2		WBGTP17A	
SAMPLING DATE	BTAG	Background	7/22/1999		7/22/1999		7/15/1999		7/22/1999		9/14/1999		7/22/1999	
DEPTH (ft)	Soil Criteria	Soil Levels	2-2.5		1.5-2		1.5-2		0.5-1		0.5-1		0.5-1	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals														
Aluminum	1	40041	11400		25400		8690		12100		9020		15200	
Antimony	0.48	na	< 0.65		1.5	B	< 0.59		1	B	1.2	B	1.1	B
Arsenic	328	15.8	5.1	B	10.7	K	4	B	5.5		8.1	K	6.5	B
Barium	440	209	19.7	J	47.5		26.7		12.2	J	69.4		14.5	J
Beryllium	0.02	1.02	0.69	B	1.7	J	0.24	B	0.59	B	3.4		0.96	B
Cadmium	3	0.69	< 0.13		< 0.16		< 0.12		< 0.13		< 0.11		< 0.13	
Calcium	na	na	2660		9800		1750		1400		4670		2200	
Chromium	0.02	65.3	31.7		67		22.4		47.4		22		45	
Cobalt	0.1	72.3	7.8	K	10.5	K	2.2	K	7	K	18.7		10.2	K
Copper	15	53.5	27	K	36	K	10.1	K	21.1	K	31.6		30.7	K
Iron	3260	50962	37700		52400		17100		36200		32700		47700	
Lead	2	26.8	42.4		41		12.1	K	681		34.2		21.9	
Magnesium	4400	na	939		14000		1900		608	J	2810		509	J
Manganese	330	2543	94.7		157		59		57.3		911		65.9	
Mercury	0.058	0.13	< 0.13		< 0.16		< 0.12		< 0.13		0.24		< 0.11	
Nickel	2	62.8	9.1	K	21.1	K	2.3	J	7.7	K	37		15.2	K
Potassium	na	na	1030	J	3340	J	599	J	581	J	501	J	431	J
Selenium	1.8	na	0.65	UL	0.8	UL	0.59		0.63	UL	0.56	UL	0.63	UL
Silver	0.0000098	na	0.17	B	0.17	B	0.15	B	< 0.13	B	0.11	UL	0.24	B
Sodium	na	na	< 1		23.2	B	162	B	144	B	119	B	150	B
Thallium	0.001	2.11	< 0.91		< 1.1		< 0.83		< 0.89		0.78	UL	< 0.88	
Vanadium	0.5	108	65.9	K	96.4	K	37.3	K	67.9	K	51.6		87.9	K
Zinc	10	202	93.4	J	85.6	J	23.3	K	80.6	J	173		46.9	J

Bold outline indicates that the value exceeds the BTAG screenin

Cell shading indicates that the value exceeds the background soi

Table A-73
Western Burning Ground - RI Detected Metal Results in Soil - 1999

FIELD ID	Comparison Criteria		WBGTP18A		WBGTP18S		WBGTP19A		WBGTP19S	
SAMPLING DATE	BTAG	Background	7/22/1999		7/22/1999		7/29/1999		7/29/1999	
DEPTH (ft)	Soil Criteria	Soil Levels	1-1.5		1-1.5		2.5-3		2.5-3	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
Metals										
Aluminum	1	40041	23800		12300		13500		12400	
Antimony	0.48	na	1.4	B	0.7	B	< 0.62		< 0.64	
Arsenic	328	15.8	4.7	B	7	B	9.6		8.8	
Barium	440	209	69.2		38		31.3		36.5	
Beryllium	0.02	1.02	3.9	J	0.88	B	0.81	B	0.86	B
Cadmium	3	0.69	< 0.14		< 0.12		< 0.12		< 0.13	
Calcium	na	na	3600		1460		1500		1750	
Chromium	0.02	65.3	72.8		32.1		30.3		33.5	
Cobalt	0.1	72.3	28.4	K	10.3	K	10.1		14.1	
Copper	15	53.5	35.7	K	28.4	K	23.6		26.1	
Iron	3260	50962	52900		34700		34800		34800	
Lead	2	26.8	27.4		40.2		15.7		27.5	
Magnesium	4400	na	5450		1330		1020		920	
Manganese	330	2543	146		170		105		150	
Mercury	0.058	0.13	< 0.14		< 0.12		< 0.12		< 0.13	
Nickel	2	62.8	37.3	K	9.7	K	11.4		12.5	
Potassium	na	na	988	J	562	J	655		618	J
Selenium	1.8	na	0.7	UL	0.62	UL	< 0.62		< 0.64	
Silver	0.0000098	na	< 0.14		0.13	B	< 0.12		< 0.13	
Sodium	na	na	193	B	138	B	246	B	236	
Thallium	0.001	2.11	< 0.98		< 0.88		< 0.86		< 0.9	
Vanadium	0.5	108	99.4	K	59.8	K	55.5		56.4	
Zinc	10	202	44.3	J	60.5	J	19.1		36.3	

Bold outline indicates that the value exceeds the BTAG screenin

Cell shading indicates that the value exceeds the background soi

Table A-74
Western Burning Ground - RI Detected PAH and SVOC Results in Soil - 1999

FIELD ID		WBGBC1A	WBGSB7A	WBGSB8A	WBGSB9A	WBGSB10A	WBGSB11A	WBGTP1A	WBGTP1SB
SAMPLING DATE	BTAG	8/18/1999	5/26/1999	5/26/1999	5/26/1999	5/26/1999	5/26/1999	6/22/1999	6/23/1999
DEPTH (ft)	Soil Criteria	0-2	0-2	0-2	0-2	0-2	0-2	2.5-3	1-1.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PAHs									
Benzo[b]fluoranthene	0.1	NA	< 0.0305	< 0.032	0.029 J	< 0.03	< 0.0282	< 0.41	< 0.38
Pyrene	0.1	NA	< 0.0259	< 0.0272	0.046 J	< 0.0255	< 0.024	< 0.41	< 0.38
SVOCs									
Di-n-butylphthalate	na	< 0.361	0.054 B	< 0.39	0.07 B	0.072 B	0.13 B	0.36 B	0.21 B
4-Isopropyltoluene	na	NA	< 0.0011	0.0048	< 0.0011	< 0.0011	< 0.001	NA	NA
bis(2-Ethylhexyl)phthalate	na	0.044	< 0.37	< 0.39	< 0.38	< 0.366	< 0.345	< 0.41	< 0.38

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-74
Western Burning Ground - RI Detected PAH and SVOC Results in Soil - 1999

FIELD ID		WBGTP2A	WBGTP2B	WBGTP3A	WBGTP3S	WBGTP6A	WBGTP9A	WBGTP9S	WBGTP10S
SAMPLING DATE	BTAG	6/22/1999	6/22/1999	6/23/1999	6/23/1999	6/23/1999	6/24/1999	6/24/1999	7/15/1999
DEPTH (ft)	Soil Criteria	2.5-3	3-3.5	2.5-3	1-1.5	2.5-3	2.5-3	1-1.5	0.5-1
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PAHs									
Benzo[b]fluoranthene	0.1	< 0.41	< 0.39	0.066 J	< 0.4	< 0.45	0.042	< 0.12	< 0.366
Pyrene	0.1	< 0.41	< 0.39	< 0.39	< 0.4	< 0.45	< 0.012	< 0.011	< 0.366
SVOCs									
Di-n-butylphthalate	na	0.42 B	0.24 B	< 0.39	0.2 B	0.17 B	< 0.032	0.094 B	0.041 B
4-Isopropyltoluene	na	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	na	< 0.41	< 0.39	< 0.39	< 0.40	< 0.45	< 0.076	0.058	< 0.366

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-75
Western Burning Ground - RI Detected Dioxin/Furan Results in Soil - 1999

FIELD ID		WBGTP2B	WBGTP7A	WBGTP10B	WBGTP12A	WBGTP12S	WBGTP18A	WBGTP19A
SAMPLING DATE	BTAG	6/22/1999	7/13/1999	7/15/1999	7/15/1999	7/15/1999	7/22/1999	7/29/1999
DEPTH (ft)	Soil Criteria	3-3.5	2.5-3	2.5-3	2.5-3	0.5-1	1-1.5	2.5-3
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Dioxin/Furans								
Total TCDF	na	0.00000015	0.0000562	0.00000037	0.0000258	0.0000291	0.00000053	0.00000048
Total PeCDD	na	0.0000355	0.0000107	0.00000318	0.0000174	0.0000161	0.00000562	0.00000158 B
Total PeCDF	na	0.00000085	0.0000542	0.00000165	0.0000214	0.0000183	0.00000068	0.00000102
Total HpCDF	na	0.00000042	0.0000647	0.00000344	0.0000471	0.0000285	0.00000044	0.00000047 B
Total TCDD	na	0.0000032	0.00000978	0.00000024	0.00000669	0.0000049	0.0000011	0.00000058 B
Total HxCDF	na	0.00000087	0.0000473	0.00000125 B	0.0000235	0.0000131	0.00000117	0.00000072 B
Total HxCDD	na	0.0002	0.000045	0.0000166	0.000059	0.0000409	0.0000234	0.0000045
1,2,3,4,6,7,8-HpCDD	na	0.000243	0.000133	0.0000452	0.000128	0.000145	0.0000548	0.000039 B
1,2,3,4,6,7,8-HpCDF	na	0.00000042	0.0000256	0.00000137	0.0000226	0.0000132	0.00000044	0.00000036 B
1,2,3,4,7,8,9-HpCDF	na	< 0.0000001	0.00000151	< 0.0000002	0.00000105	0.00000098	< 0.00000011	0.00000011 B
1,2,3,4,7,8-HxCDD	na	0.00000723	0.00000168	0.00000088	0.00000236	0.00000209 J	0.00000092	0.00000051
1,2,3,6,7,8-HxCDD	na	0.000023	0.00000389	0.00000131	0.0000063	0.00000503	0.00000176	0.00000096
1,2,3,7,8,9-HxCDD	na	0.0000181	0.00000325	0.0000017	0.00000623	0.00000412	0.00000409	0.00000092
1,2,3,4,7,8-HxCDF	na	< 0.00000006	0.00000181	0.00000041	0.00000179	0.00000145 J	0.00000013	0.00000013 B
1,2,3,6,7,8-HxCDF	na	< 0.00000006	0.00000218	0.00000029	0.00000158	0.00000115	0.00000009	0.00000011 B
1,2,3,7,8,9-HxCDF	na	< 0.00000007	0.00000052	< 0.00000014	0.00000054	< 0.0000005	< 0.00000008	< 0.00000005
Total HpCDD	na	0.000523	0.000278	0.000109	0.00026	0.000296	0.000141	0.0000755 B
2,3,4,6,7,8-HxCDF	na	< 0.00000006	0.00000342	0.00000021	0.00000185	0.0000015	0.0000001	0.00000011 B
OCDD	na	0.00721	0.00648 J	0.00543 J	0.0055 J	0.0083 J	0.0032	0.00436 J
OCDF	na	0.00000127	0.0000472	0.00000186 B	0.0000254	0.0000181	0.00000125	0.00000054 B
1,2,3,7,8-PeCDD	na	0.00000685	0.00000141	0.00000057	0.00000183	0.00000168	0.00000081	0.0000005 B
1,2,3,7,8-PeCDF	na	< 0.00000005	0.00000144	0.00000038	0.00000121	0.00000124	0.00000011	0.00000009 B
2,3,4,7,8-PeCDF	na	< 0.00000005	0.00000155	0.00000049	0.00000185	0.00000172	0.00000014	0.00000015 B
2,3,7,8-TCDD	0.010	0.00000047	0.00000417	0.00000024	0.00000054	0.00000053	0.00000032	0.00000045 B
2,3,7,8-TCDF	na	< 0.00000007	0.00000225	0.00000044	0.00000166	0.00000184	0.00000012	0.00000008

Table A-76
Western Burning Ground - RI Detected Surface Water Results - 1999

FIELD ID	BTAG	WBGSW4	WBGSW5	WBGSW6
SAMPLING DATE	Aqueous	5/27/1999	5/28/1999	5/29/1999
DEPTH (ft)	Criteria	na	na	na
UNITS	ug/L	ug/L	ug/L	ug/L
Metals				
Aluminum	25	232 B	67.9 B	91.8 B
Arsenic	48	< 6	8.6 B	10.4 K
Barium	10000	56.4 J	63.1 L	63.9 J
Beryllium	5.3	1.1 B	< 1	< 1
Calcium	na	70300	73400	71100
Copper	6.5	20.2 K	4.1 B	2.2 K
Iron	320	261 J	88 B	180
Lead	3.2	2 UL	4 B	2 UL
Magnesium	na	12900	14900	15000
Manganese	14500	24	14.1 K	11.4 J
Potassium	na	2090 J	2090	2090 J
Silver	0.0001	1.2 K	< 1	1 K
Sodium	na	25700	35000	37100
Vanadium	10000	1.2 K	1.2 B	1.1 K
Zinc	30	21.3 K	18.4 B	19.3 K
SVOCs				
Di-n-butylphthalate	0.3	< 10	0.13 B	< 10

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-77
Western Burning Ground - RI Detected Sediment Results - 1999

FIELD ID	Comparison Criteria		WBGSD4	WBGSD5	WBGSD5-2	WBGSD6
SAMPLING DATE	BTAG	Background	5/27/1999	5/27/1999	6/16/1999	5/27/1999
DEPTH (ft)	Sediment Criteria	Soil Levels	0-0.5	0-0.5	0-0.5	0-0.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals						
Aluminum	na	40041	6730	5790	13800	6010
Antimony	150	na	1.2 B	< 1.8	< 1.6	1.7 B
Arsenic	8.2	15.8	3.3 B	5.3 B	3.9 B	4.2 B
Barium	na	209	46.2 L	72.1 L	67 J	50.1 L
Beryllium	na	1.02	0.71 K	0.45 K	0.33 UL	0.54 K
Calcium	na	na	15700	70800	56300	22300
Chromium	81	65.3	21.9	39.3	96.9	25
Cobalt	na	72.3	10.2	5.5	8.3 J	7.3
Copper	34	53.5	18.6 K	24.4	19.8 K	28.7 K
Iron	na	50962	15300	12700	20100	15500
Lead	46.7	26.8	20.8 J	347 J	899	29.5 J
Magnesium	na	na	1780	3170	4350	1720
Manganese	na	2543	121 K	155 K	144	238 K
Nickel	20.9	62.8	8.7 K	5 K	11.2 J	7 K
Potassium	na	na	448	568	1110 J	440
Selenium	na	na	0.93 UL	1.4 UL	< 1.3	1.3 L
Sodium	na	na	292 B	577 B	422 B	516 B
Vanadium	na	108	33 K	23.6 K	34.8	31.4 K
Zinc	150	202	30.5 K	104 K	209	42 K
SVOCs						
bis(2-Ethylhexyl)phthalate	1.3	na	< 0.698	0.15	NA	< 0.938

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-78
Rail Yard - Independent Sampling Detected Soil Results - 1997

SITE ID	Comparison Criteria		SS-07		SS-08
SAMPLING DATE			4-JUN-97		4-JUN-97
DEPTH (ft)	BTAG	Background	0-0.5		0-0.5
MATRIX	Soil Criteria	Soil Levels	CSO		CSO
UNITS	mg/kg	mg/kg	mg/kg		mg/kg
Metals					
Aluminum	1	40041	338		18,100
Arsenic	328	15.8	1.8		20.8
Barium	440	209	1,770	J	147
Beryllium	0.02	1.02	nd		1.3
Cadmium	3	0.69	nd		1.8
Calcium	na	na	196,000		28,500
Chromium	0.02	65.3	nd		39.8
Cobalt	0.1	72.3	nd		25.8
Copper	15	53.5	nd		60.2
Iron	3260	50962	2,780		39,600
Lead	2	26.8	1.8		149
Magnesium	4400	na	104,000		15,200
Manganese	330	2543	94		203
Nickel	2	62.8	nd		17.5
Potassium	na	na	nd		1,110
Thallium	0.001	2.11	nd		0.4
Vanadium	0.5	108	31.8		75.9
Zinc	10	202	12.5		752

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-78
Rail Yard - Independent Sampling Detected Soil Results - 1997

SITE ID	Comparison Criteria		SS-07	SS-08
SAMPLING DATE			4-JUN-97	4-JUN-97
DEPTH (ft)	BTAG	Background	0-0.5	0-0.5
MATRIX	Soil Criteria	Soil Levels	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs				
Benz[a]anthracene	0.1	na	nd	0.08 J
Benzo[a]pyrene	0.1	na	nd	0.08 J
Benzo[b]fluoranthene	0.1	na	nd	0.08 J
Benzo[k]fluoranthene	0.1	na	nd	0.09 J
bis(2-Ethylhexyl)phthalate	na	na	1.81	0.10 J
Chrysene	0.1	na	nd	0.09 J
Di-n-butylphthalate	na	na	nd	1.07
2,4-Dinitrotoluene	na	na	nd	0.4 J
Fluoranthene	0.1	na	nd	0.3 J
2-Methylnaphthalene	na	na	nd	0.04 J
Phenanthrene	0.1	na	nd	0.1 J
Pyrene	0.1	na	nd	0.1 J
VOCs				
Methylene Chloride	0.3	na	0.0007 B	0.003 B
PEST/PCB				
alpha-Chlordane	0.1	na	nd	0.03 J
Aroclor-1254	0.1	na	nd	1.7
4,4'-DDE	0.1	na	nd	0.03 R
Dieldrin	0.1	na	nd	0.02 R
Endrin aldehyde	na	na	nd	0.04
Explosives				
2,6-Dinitrotoluene	na	na	nd	0.32 C

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-79
Rail Yard - Independent Sampling Detected Sludge Results - 1997

SITE ID	Comparison Criteria		SL-05	
SAMPLING DATE			4-JUN-97	
DEPTH (ft)	BTAG	Background	na	
MATRIX	Sediment Criteria	Soil Levels	CSE	
UNITS	mg/kg	mg/kg	mg/kg	
Metals				
Aluminum	na	40041	8,190	
Antimony	150	na	1.0	
Arsenic	8.2	15.8	22.3	
Barium	na	209	69.1	J
Beryllium	na	1.02	1.1	
Calcium	na	na	14,900	
Chromium	81	65.3	103	
Cobalt	na	72.3	26.8	
Copper	34	53.5	373	
Iron	na	50962	120,000	
Lead	46.7	26.8	161	
Magnesium	na	na	4,560	
Manganese	na	2543	908	
Nickel	20.9	62.8	116	
Potassium	na	na	593	
Vanadium	na	108	72.2	
Zinc	150	202	56.3	

Bold outline indicates that the value exceeds the BTAG screening level.
Shading indicates that the value exceeds the background soil concentration.

Table A-79
Rail Yard - Independent Sampling Detected Sludge Results - 1997

SITE ID	Comparison Criteria		SL-05	
SAMPLING DATE			4-JUN-97	
DEPTH (ft)	BTAG	Background	na	
MATRIX	Sediment Criteria	Soil Levels	CSE	
UNITS	mg/kg	mg/kg	mg/kg	
SVOCs				
Benz[a]anthracene	0.261	na	0.07	J
Benzo[a]pyrene	0.43	na	0.07	J
Benzo[b]fluoranthene	3.2	na	0.07	J
Benzo[k]fluoranthene	na	na	0.07	J
Bis(2-ethylhexyl)phthalate	1.3	na	0.3	J
Chrysene	0.384	na	0.09	J
Fluoranthene	0.6	na	0.1	J
Phenanthrene	0.24	na	0.09	J
Pyrene	0.665	na	0.12	J
VOCs				
Methylene Chloride	na	na	0.001	B
PEST/PCB				
4,4'-DDT	0.001	na	0.06	R
Endrin aldehyde	na	na	0.01	

Bold outline indicates that the value exceeds the BTAG screening level.
Shading indicates that the value exceeds the background soil concentration.

Table A-80
Rail Yard - Independent Sampling Detected Sludge Results - 1998

SITE ID	Comparison Criteria		SL-08	SL-108
SAMPLING DATE			30-MAR-98	30-MAR-98
DEPTH (ft)	BTAG	Background	na	na
MATRIX	Sediment Criteria	Soil Levels	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Metals				
Aluminum	na	40041	21,600	32,300
Arsenic	8.2	15.8	9.2	19.4
Barium	na	209	75.2	234
Beryllium	na	1.02	1.1	1.3
Cadmium	1.2	0.69	1.2	1.3
Calcium	na	na	8,550	7,090
Chromium	81	65.3	34.3	40.4
Cobalt	na	72.3	18.4	21.4
Copper	34	53.5	34.4	36.8
Iron	na	50962	42,600	46,500
Lead	46.7	26.8	94.1	102
Magnesium	na	na	2,430	3,040
Manganese	na	2543	249	281
Mercury	0.15	0.13	0.1	0.1
Nickel	20.9	62.8	17.2	21.5
Potassium	na	na	1,100	1,650
Selenium	na	na	nd	0.6
Thallium	na	2.11	nd	0.5
Vanadium	na	108	71.9	77.3
Zinc	150	202	675	758

Bold outline indicates that the value exceeds the BTAG screening level.
Shading indicates that the value exceeds the background soil concentration.
* Duplicate sample of SL-08

Table A-80
Rail Yard - Independent Sampling Detected Sludge Results - 1998

SITE ID	Comparison Criteria		SL-08		SL-108	
SAMPLING DATE			30-MAR-98		30-MAR-98	
DEPTH (ft)	BTAG	Background	na		na	
MATRIX	Sediment Criteria	Soil Levels	CSE		CSE	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg	
SVOCs						
Fluoranthene	0.6	na	0.07	J	0.06	J
Pyrene	0.665	na	0.04	J	0.04	J
VOCs						
Methylene Chloride	na	na	0.003	B	0.003	B
PEST/PCB						
Aroclor-1254	0.023	na	0.22		0.05	

Bold outline indicates that the value exceeds the BTAG screening level.
Shading indicates that the value exceeds the background soil concentration.
* Duplicate sample of SL-08

Table A-81
Rail Yard - Independent Sampling Detected Waste Water Results - 1998

SITE ID		WW-04
SAMPLING DATE	BTAG	30-Mar-98
DEPTH (ft)	Aqueous	na
MATRIX	Criteria	CSW
UNITS	ug/L	ug/L
Metals		
Aluminum	25	258
Calcium	na	26,600
Copper	6.5	38
Iron	320	4,470
Lead	3.2	31
Magnesium	na	6,530
Manganese	14500	102
Potassium	na	2,780
Sodium	na	1,660
Zinc	30	274

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-82
Rail Yard - Independent Sampling Detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria		SS-08a
SAMPLING DATE			30-MAR-98
DEPTH (ft)	BTAG	Background	0.25-0.5
MATRIX	Soil Criteria	Soil Levels	CSO
UNITS	mg/kg	mg/kg	mg/kg
Metals			
Aluminum	1	40041	24,800
Arsenic	328	15.8	8.9
Barium	440	209	53.7
Beryllium	0.02	1.02	1.4
Cadmium	3	0.69	0.8
Calcium	na	na	4,720
Chromium	0.02	65.3	41.1
Cobalt	0.1	72.3	32.1
Copper	15	53.5	31
Iron	3260	50962	48,400
Lead	2	26.8	52.6
Magnesium	4400	na	2,710
Manganese	330	2543	233
Mercury	0.058	0.13	0.2
Nickel	2	62.8	21.1
Potassium	na	na	985
Selenium	1.8	na	0.5
Silver	0.0000098	na	1.0
Sodium	na	na	100
Thallium	0.001	2.11	0.4
Vanadium	0.5	108	91.5
Zinc	10	202	159
Cyanide	0.005	na	1.0

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-83
Rail Yard - Independent Sampling Detected Organic Results in Soil - 1998

SITE ID		SS-08a	TR-02A	TR-02C
SAMPLING DATE		30-MAR-98	2-APR-98	2-APR-98
DEPTH (ft)	BTAG	0.25-0.5	0-0.16	0-0.16
MATRIX	Soil Criteria	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs				
Anthracene	0.1	nd	0.1 J	nd
Acenaphthylene	0.1	nd	0.07 J	nd
Benz[a]anthracene	0.1	nd	0.4 J	nd
Benzo[a]pyrene	0.1	nd	0.4 J	nd
Benzo[b]fluoranthene	0.1	nd	1.01	nd
Benzo[k]fluoranthene	0.1	nd	0.56	nd
bis(2-Ethylhexyl)phthalate	na	nd	0.11 J	nd
Carbazole	na	nd	0.10 J	nd
Chrysene	0.1	nd	0.66	nd
Dibenz[a,h]anthracene	0.1	nd	0.05 J	nd
Fluoranthene	0.1	nd	0.39	nd
Indeno[1,2,3-cd]pyrene	0.1	nd	0.11 J	nd
Pentachlorophenol	0.1	nd	0.11 J	826 C
Phenanthrene	0.1	nd	0.06 J	nd
Pyrene	0.1	nd	0.86	nd
VOCs				
Methylene Chloride	0.3	3.0 B	nd	nd
PEST/PCB				
alpha-Chlordane	0.1	0.02 I	nd	0.14 R
Aroclor-1254	0.1	1.0	nd	nd
4,4'-DDD	0.1	nd	nd	0.3 R
4,4'-DDE	0.1	0.01 I	0.04	nd
4,4'-DDT	0.1	nd	nd	0.24 R
delta-BHC	na	nd	nd	0.17 R
Dieldrin	0.1	0.01 R	nd	0.27
Endosulfan I	na	nd	nd	0.14 R
Endosulfan II	na	0.06 R	nd	nd
Endrin	0.1	0.01 R	nd	nd
Heptachlor	na	nd	nd	0.2 R

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-84
Rail Yard - Independent Sampling Detected Sediment Results - 1998

SITE ID	Comparison Criteria		SD-03	SD-04	SD-05
SAMPLING DATE			01-APR-98	01-APR-98	01-APR-98
DEPTH (ft)	BTAG	Background	na	na	na
MATRIX	Sediment Criteria	Soil Levels	CSE	CSE	CSE
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals					
Aluminum	na	40041	9,370	11,000	27,000
Arsenic	8.2	15.8	4.9	4.6	2.2
Barium	na	209	81.7	113	52.4
Beryllium	na	1.02	0.6	0.8	1.3
Calcium	na	na	176,000	129,000	3,200
Chromium	81	65.3	24.6	21.2	32.9
Cobalt	na	72.3	5.9	6.6	11.8
Copper	34	53.5	47.6	21.9	20.9
Iron	na	50962	12,500	14,200	22,000
Lead	46.7	26.8	10.9	11.2	28.4
Magnesium	na	na	3,600	2,840	3,590
Manganese	na	2543	446	1220	90.9
Nickel	20.9	62.8	6.7	9	19.7
Potassium	na	na	553	666	1,870
Selenium	na	na	nd	nd	1.7
Sodium	na	na	nd	110	nd
Vanadium	na	108	26.1	20.8	50.7
Zinc	150	202	16.2	27.8	93.6
SVOCs					
Bis(2-Ethylhexyl)phthalate	1.3	na	nd	nd	0.1 J
Fluoranthene	0.6	na	nd	0.06 J	nd
PEST/PCB					
Endrin aldehyde	na	na	nd	0.04	nd
VOCs					
2-Butanone	na	na	nd	0.01	nd
Acetone	na	na	0.003 J	0.048	nd
Methylene Chloride	na	na	0.003 B	0.001 B	0.003 B

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-85
Rail Yard - RI detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria		RYSB1A		RYSB1B		RYSB1C		RYSB2A		RYSB2B		RYSB3A		RYSB3B	
FIELD ID			RYSB1A		RYSB1B		RYSB1C		RYSB2A		RYSB2B		RYSB3A		RYSB3B	
SAMPLING DATE			3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98	
DEPTH (ft)	BTAG	Background	0-2		4-8		19-23		0-2		4-6		1-3		3-4.2	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																
Aluminum	1	40041	817		12400		10400		5,630		12700		7,470		11100	
Arsenic	328	15.8	1.6	J	4.9	J	4.5	J	2.9	J	4.9	J	2.1	J	3.9	J
Barium	440	209	94.1	J	27.5	J	38.6	J	22.7	J	17.6	J	15.4	J	17.4	J
Beryllium	0.02	1.02	< 0.1		0.25	J	4.3		0.21	J	0.52	J	0.13	J	0.5	J
Cadmium	3	0.69	0.13	J	< 0.14		< 0.14		< 0.12		< 0.14		< 0.12		< 0.12	
Calcium	na	na	177,000		5,130		1,850		1,390		152	J	761		8,340	
Chromium	0.02	65.3	3.1		20		21.3		7		46.3		9.9		19.4	
Cobalt	0.1	72.3	1.3	J	9.8	J	5.8	J	17.1	J	2.1	J	4.9	J	7.4	J
Copper	15	53.5	2.3	B	4.7	B	15.1	J	3.2	B	9.1	B	4.8	B	14.8	J
Iron	3260	50962	2600		24700		20200		7120		31900		11200		21800	
Lead	2	26.8	9.7	J	15.4	J	25.4	J	25.2	J	18	J	7.2	J	15.9	J
Magnesium	4400	na	90,700		2,710		994		660		190	J	266	J	4,620	
Manganese	330	2543	105	J	151	J	235	J	202	J	70.9	J	36.6	J	154	J
Mercury	0.058	0.13	< 0.11		0.46		< 0.14		0.14		0.15		< 0.13		< 0.12	
Nickel	2	62.8	2.9	J	2.5	J	8.9	J	1.6	J	3.3	J	2.8	J	10.5	J
Potassium	na	na	448	J	382	J	367	J	162	J	249	J	412	J	504	J
Selenium	1.8	na	1	J	< 0.7		< 0.69		< 0.61		< 0.69		< 0.6		< 0.59	
Silver	0.0000098	na	0.21	UJ	0.28	UJ	0.27	UJ	0.24	UJ	0.28	UJ	0.24	UJ	0.24	UJ
Sodium	na	na	331	B	41.4	B	40.4	B	43	B	30	B	33.1	B	46.7	B
Thallium	0.001	2.11	0.21	UJ	0.28	UJ	0.44	B	0.24	UJ	0.28	UJ	0.24	UJ	0.24	UJ
Vanadium	0.5	108	5	J	44	J	49.1	J	23.7	J	72.4	J	19.7	J	38.7	J
Zinc	10	202	12.5		8.2		9.6		7.4		13.3		6.1		30.5	

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-85
Rail Yard - RI detected Metal Results in Soil - 1998

SITE ID	Comparison Criteria		RYSB4A		RYSB4B		RYSB5A		RYSB5B		RYSB6A		RYSB6B		RYSB7A		RYSB7B	
FIELD ID			RYSB4A		RYSB4B		RYSB5A		RYSB5B		RYSB6A		RYSB6B		RYSB7A		RYSB7B	
SAMPLING DATE			3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98		3-AUG-98	
DEPTH (ft)	BTAG	Background	0-4		4-6		0-4		4-6		0-4		4-6		0-4		4-6	
MATRIX	Soil Criteria	Soil Levels	CSO		CSO		CSO		CSO		CSO		CSO		CSO		CSO	
UNITS	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Metals																		
Aluminum	1	40041	17500		23300		14200		10200		12100		15400		8180		11400	
Arsenic	328	15.8	5.6	J	4.9	J	7	J	4.3	J	7.8	J	5.4	J	3.2	J	5.5	J
Barium	440	209	20.8	J	41.1	J	22.4	J	19.9	J	29.9	J	24.8	J	52.7	J	75.3	J
Beryllium	0.02	1.02	0.23	J	0.55	J	0.66		0.98		1.5		0.84		1.4		2.1	
Cadmium	3	0.69	< 0.16		< 0.13		< 0.13		< 0.12		< 0.13		< 0.14		< 0.13		< 0.13	
Calcium	na	na	1,660		2,650		1,670		2,540		4,950		1,520		1,290		2,100	
Chromium	0.02	65.3	21.8		20.3		21.4		11.2		19.8		26.9		14.7		16.3	
Cobalt	0.1	72.3	74.9	J	74.5	J	8.4	J	39.1	J	22.7	J	11.5	J	25.9	J	8.2	J
Copper	15	53.5	8.5	B	14	J	11.7	J	9	B	12.8	J	8.8	B	4.5	B	10.5	J
Iron	3260	50962	27700		23600		31200		14800	J	27200		30300		14900		18500	
Lead	2	26.8	33.7	J	42.1	J	25.2	J	49.2		25.3	J	22.2	J	33.9	J	15.5	J
Magnesium	4400	na	606	J	1,700		1,030		1,520		3140		680		617	J	1,780	
Manganese	330	2543	301	J	342	J	108	J	405	J	213	J	133	J	709	J	395	J
Mercury	0.058	0.13	< 0.14		0.15		< 0.12		0.14		< 0.13		< 0.13		0.41		< 0.13	
Nickel	2	62.8	7.9	J	25.5	J	8	J	7.2	J	10.8	J	4.7	J	3.9	J	10.6	J
Potassium	na	na	501	J	702	J	437	J	329	J	747	J	750	J	282	J	545	J
Selenium	1.8	na	< 0.78		< 0.67		< 0.63		< 0.62		< 0.63		< 0.68		< 0.63		< 0.64	
Silver	0.0000098	na	0.31	UJ	0.27	UJ	0.25	UJ	0.25	UJ	0.25	UJ	0.27	UJ	0.25	UJ	0.25	UJ
Sodium	na	na	41.6	B	46.2	B	59.1	B	82.3	B	52.8	B	70.3	B	35.4	B	42.9	B
Thallium	0.001	2.11	0.31	UJ	0.7	B	0.42	B	0.86	B	0.25	UJ	0.27	UJ	0.89	B	0.25	UJ
Vanadium	0.5	108	60.4	J	42.6	J	57.1	J	36.3	J	48.4	J	55.9	J	34.2	J	34.9	J
Zinc	10	202	10.3		23.7		33.3		14.4		15.3		8		7.1		15.6	

Bold outline indicates that the value exceeds the BTAG screening level.
Cell shading indicates that the value exceeds the background soil concentration.

Table A-86
Rail Yard - RI Detected Organic Results in Soil - 1998

SITE ID		RYSB2A	RYSB3A	RYSB4B	RYSB6A	RYSB6B	RYSB7A	RYSB7B
FIELD ID		RYSB2A	RYSB3A	RYSB4B	RYSB6A	RYSB6B	RYSB7A	RYSB7B
SAMPLING DATE	BTAG	3-AUG-98	3-AUG-98	3-AUG-98	3-AUG-98	3-AUG-98	3-AUG-98	3-AUG-98
DEPTH (ft)	Soil	0-2	1-3	4-6	0-4	4-6	0-4	4-6
MATRIX	Criteria	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOCs								
Diethylphthalate	na	< 0.42	< 0.41	< 0.32	< 0.43	1.1	0.099 J	< 0.43
Dimethylphthalate	na	< 0.42	< 0.41	0.46 J	< 0.43	< 0.46	< 0.41	< 0.43
Di-n-butylphthalate	na	0.11 B	0.066 B	< 0.46	0.068 B	< 0.46	0.093 B	0.11 B

Table A-87
Bag Loading Area - Dames and Moore Detected Metal Results in Soil - 1997

SITE ID	Comparison Criteria		407712012	4077121224	4077122436	407736012	4077361224	407760012	4077601224
SAMPLING DATE			9-Dec-97	9-Dec-97	9-Dec-97	9-Dec-97	9-Dec-97	9-Dec-97	9-Dec-97
DEPTH (in)	BTAG	Background	0-12	12-24	24-36	0-12	12-24	0-12	12-24
MATRIX	Soil Criteria	Soil Levels	CSO	CSO	CSO	CSO	CSO	CSO	CSO
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals									
Aluminum	1	40041	36000	32600	40700	29200	32700	33600	39100
Antimony	0.48	na	0.33 J	nd	0.29 J	nd	nd	nd	nd
Arsenic	328	15.8	4.6	5.3	5.4	4.4	3.5	4.9	4.4
Barium	440	209	86.3	71.3	81.6	78.6	54.8	50.4	49.2
Beryllium	0.02	1.02	1.6	1.6	2	1.4	1.5	1.5	1.6
Calcium	na	na	483 J	3840	661 J	761 J	787 J	1080 J	1360
Chromium	0.02	65.3	42.1	42.4	57.9	39	38.7	43.3	47.2
Cobalt	0.1	72.3	14.8	16.9	119	11.4	14.8	16.6	13.9
Copper	15	53.5	57.8	40.9	71.1	78.1	40.7	41.2	34.5
Iron	3260	50962	38700	41300	47600	41400	36800	39000	43500
Lead	2	26.8	15.1	20.5	35.9	105	13.8	16.1	43.3
Magnesium	4400	na	6220	8150	7810	4850	5820	5660	6630
Manganese	330	2543	218	286	736	183	216	289	180
Nickel	2	62.8	27.6	25.4	33.9	23.2	25.3	25.6	28.2
Potassium	na	na	4870	4760	5740	4080	4850	4880	5610
Selenium	1.8	na	1.4	0.8 J	1.1	1.2	0.63 J	0.96 J	0.85 J
Sodium	na	na	54.4 J	54.3 J	58.0 J	35.6 J	44.8 J	48.1 J	49.9 J
Thallium	0.001	2.11	0.78 J	0.47 J	nd	nd	nd	nd	nd
Vanadium	0.5	108	77.4	79.9	93.1	78.3	71.6	76.5	86.6
Zinc	10	202	39.8	42.6	57.8	91.4	33.8	38.4	41.2

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-88
Bag Loading Area - Independent Sampling Detected Metal Results in Soil - 1997

SITE ID	Comparison Criteria		SS-09	
SAMPLING DATE			4-JUN-97	
DEPTH (ft)	BTAG	Background	0-0.5	
MATRIX	Soil Criteria	Soil Levels	CSO	
UNITS	mg/kg	mg/kg	mg/kg	
Metals				
Aluminum	1	40041	12,400	
Arsenic	328	15.8	7.6	
Barium	440	209	10,200	J
Beryllium	0.02	1.02	0.7	
Calcium	na	na	77,200	
Chromium	0.02	65.3	56.6	
Cobalt	0.1	72.3	17.2	
Copper	15	53.5	13,600	
Iron	3260	50962	31,300	
Lead	2	26.8	1,970	
Magnesium	4400	na	52,600	
Manganese	330	2543	327	
Nickel	2	62.8	57.1	
Potassium	na	na	2,700	
Selenium	1.8	na	0.6	
Vanadium	0.5	108	39.6	
Zinc	10	202	5,940	

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-89
Bag Loading Area - Independent Sampling Detected Organic Results in Soil - 1997

SITE ID		SS-09	
SAMPLING DATE	BTAG	4-JUN-97	
DEPTH (ft)	Soil	0-0.5	
MATRIX	Criteria	CSO	
UNITS	mg/kg	mg/kg	
SVOCs			
Anthracene	0.1	0.20	J
Acenaphthene	0.1	0.10	J
Acenaphthylene	0.1	0.06	J
Benz[a]anthracene	0.1	1.10	
Benzo[a]pyrene	0.1	1.33	K
Benzo[b]fluoranthene	0.1	1.94	K
Benzo[g,h,i]perylene	0.1	0.51	K
Benzo[k]fluoranthene	0.1	1.96	K
bis(2-Ethylhexyl)phthalate	na	0.57	
Carbazole	na	0.40	
Chrysene	0.1	1.71	
Di-n-butylphthalate	na	3.60	
Dibenz[a,h]anthracene	0.1	0.20	J,K
Dibenzofuran	na	0.10	
2,4-Dinitrotoluene	na	0.78	
Fluoranthene	0.1	2.90	
Fluorene	0.1	0.20	J
Indeno[1,2,3-cd]pyrene	0.1	0.52	K
2-Methylnaphthalene	na	0.03	J
Naphthalene	0.1	0.10	J
N-Nitrosodiphenylamine	na	0.10	J
Phenanthrene	0.1	2.04	
Pyrene	0.1	2.45	C
Explosives			
2,6-Dinitrotoluene	na	1.90	C,J

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-89
Bag Loading Area - Independent Sampling Detected Organic Results in Soil - 1997

SITE ID		SS-09	
SAMPLING DATE	BTAG	4-JUN-97	
DEPTH (ft)	Soil	0-0.5	
MATRIX	Criteria	CSO	
UNITS	mg/kg	mg/kg	
PEST/PCB			
Aldrin	0.1	0.042	I,R,J
alpha-Chlordane	0.1	0.089	I
Aroclor-1254	0.1	8.3	
4,4'-DDD	0.1	0.043	I
4,4'-DDT	0.1	0.046	R
Dieldrin	0.1	0.062	I,R
Endosulfan I	na	0.022	I
Endosulfan II	na	0.101	I,R
Endrin	0.1	0.044	I,R
Endrin aldehyde	na	0.024	I,R
gamma-Chlordane	0.1	0.010	I
Heptachlor epoxide	0.1	0.015	I
VOCs			
Methylene Chloride	0.3	0.001	B

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-90

Bag Loading Area - Independent Sampling Detected Metal Results in Floor Material - 1997

SITE ID SAMPLING DATE DEPTH (ft) MATRIX UNITS	Comparison Criteria BTAG Soil Criteria mg/kg	 Background Soil Levels mg/kg	WS-01 5-JUN-97 na CBI mg/kg	
Metals				
Aluminum	1	40041	3,270	
Arsenic	328	15.8	9.5	
Barium	440	209	4,250	J
Calcium	na	na	90,600	
Chromium	0.02	65.3	72.5	
Cobalt	0.1	72.3	13.9	
Copper	15	53.5	59,600	
Iron	3260	50962	40,200	
Lead	2	26.8	492	
Magnesium	4400	na	71,600	
Manganese	330	2543	231	
Nickel	2	62.8	130	
Potassium	na	na	482	
Vanadium	0.5	108	18.8	
Zinc	10	202	3,730	

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-91
Bag Loading Area - Independent Sampling Detected Organic Results in Floor Material - 1997

SITE ID		WS-01	
SAMPLING DATE	BTAG	5-JUN-97	
DEPTH (ft)	Soil	na	
MATRIX	Criteria	CBI	
UNITS	mg/kg	mg/kg	
SVOCs			
Anthracene	0.1	16.10	K
Acenaphthene	0.1	4.72	
Benz[a]anthracene	0.1	20.80	K
Benzo[a]pyrene	0.1	22.20	K
Benzo[b]fluoranthene	0.1	27.30	K
Benzo[g,h,i]perylene	0.1	17.00	J,K
Benzo[k]fluoranthene	0.1	18.20	K
Chrysene	0.1	18.00	K
Dibenz[a,h]anthracene	0.1	1.00	J,K
Dibenzofuran	na	3.00	J
Fluoranthene	0.1	13.45	K
Fluorene	0.1	4.33	
Indeno[1,2,3-cd]pyrene	0.1	16.00	J,K
2-Methylnaphthalene	na	0.40	J
Naphthalene	0.1	1.00	J
Phenanthrene	0.1	24.60	K
Pyrene	0.1	26.00	K

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-91
Bag Loading Area - Independent Sampling Detected Organic Results in Floor Material - 1997

SITE ID		WS-01	
SAMPLING DATE	BTAG	5-JUN-97	
DEPTH (ft)	Soil	na	
MATRIX	Criteria	CBI	
UNITS	mg/kg	mg/kg	
PEST/PCB			
alpha-Chlordane	0.1	0.45	I,R
Aroclor-1254	0.1	2.80	
4,4'-DDE	0.1	0.51	I,R
Endosulfan I	na	0.37	I
Endrin	0.1	0.25	I,R
Endrin aldehyde	na	0.54	I,R
Endrin ketone	0.1	0.59	I,R
Heptachlor epoxide	0.1	0.52	I
Methoxychlor	0.1	4.40	I
VOCs			
Acetone	na	0.020	B
Methylene chloride	0.3	0.003	B

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-92
Bag Loading Area - Independent Sampling Detected Metal Results in Soil - 1998

SITE ID SAMPLING DATE	Comparison Criteria		SS-14 31-MAR-98
DEPTH (ft) MATRIX UNITS	BTAG Soil Criteria mg/kg	Background Soil Levels mg/kg	0-0.16 CSO mg/kg
Metals			
Aluminum	1	40041	35,600
Arsenic	328	15.8	4.7
Barium	440	209	65.8
Beryllium	0.02	1.02	1.6
Calcium	na	na	1,460
Chromium	0.02	65.3	44.0
Cobalt	0.1	72.3	22.5
Copper	15	53.5	27.1
Iron	3260	50962	40,000
Lead	2	26.8	14.7
Magnesium	4400	na	6,270
Manganese	330	2543	573
Nickel	2	62.8	23.8
Potassium	na	na	4,200
Vanadium	0.5	108	78.3
Zinc	10	202	41.4

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.

Table A-93
Bag Loading Area - Independent Sampling Detected Organic Results in Soil - 1998

SITE ID		SS-14		TR-03E	
SAMPLING DATE	BTAG	31-MAR-98		2-APR-98	
DEPTH (ft)	Soil	0-0.16		0.04-0.16	
MATRIX	Criteria	CSO		CSO	
UNITS	mg/kg	mg/kg		mg/kg	
SVOCs					
Benz[a]anthracene	0.1	nd		0.11	
Benzo[a]pyrene	0.1	nd		0.07	J
Benzo[b]fluoranthene	0.1	nd		0.12	J
Benzo[k]fluoranthene	0.1	nd		0.08	J
Benzoic Acid	na	nd		0.30	J
bis(2-Ethylhexyl)phthalate	na	0.05	J	0.10	J
Chrysene	0.1	nd		0.11	J
Fluoranthene	0.1	nd		0.10	J
Phenanthrene	0.1	nd		0.10	J
Phenol	0.1	0.08	J	nd	
Pyrene	0.1	nd		0.10	J
PEST/PCB					
Aroclor-1254	0.1	nd		0.108	
VOCs					
Methylene chloride	0.3	0.002	B	nd	

Bold outline indicates that the value exceeds the BTAG screening level.

Table A-94

Bag Loading Area - Independent Sampling Detected Metal Results in Floor Material - 1998

SITE ID	Comparison Criteria		WS-04	WS-05
SAMPLING DATE			3-MAR-98	3-MAR-98
DEPTH (ft)	BTAG	Background	na	na
MATRIX	Soil Criteria	Soil Levels	CBI	CBI
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Metals				
Aluminum	1	40041	1,190	683
Arsenic	328	15.8	7.8	4.1
Barium	440	209	172	54
Cadmium	3	0.69	2.1	6.6
Calcium	na	na	107,000	70,700
Chromium	0.02	65.3	92.3	67.9
Cobalt	0.1	72.3	12.0	10.2
Copper	15	53.5	86,100	65,500
Iron	3260	50962	32,000	24,600
Lead	2	26.8	214	255
Magnesium	4400	na	122,000	140,000
Manganese	330	2543	139	111
Nickel	2	62.8	213	147
Potassium	na	na	633	312
Silver	0.0000098	na	4.7	5.0
Sodium	na	na	109	nd
Zinc	10	202	441	187
ASBESTOS (Area %)				
Chrysotile	na	na	1.6	1.6

Bold outline indicates that the value exceeds the BTAG screening level.

Cell shading indicates that the value exceeds the background soil concentration.