Tables

Table 1
Surface Sediment Sampling Results Above Screening Levels
RM 2.3-2.8 East (Seattle Boiler Works to Slip 4)

Sampling Event	Sample Location	Chemical	Conc'n (mg/kg DW)		TOC % dw	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor[a]	CSL Exceedance Factor[a]
Metals and trace elements											
LDWRI-SurfaceSedimentRound1	LDW-SS88	Mercury	6.20E-01		1.75		0.41	0.59	mg/kg dw	1.5	1.1
PAHs											
EPA SI	DR175 (741)	Benzo(a)anthracene	3.00E+00		1.74	1.72E+02	110	270	mg/kg OC-dry	1.6	
EPA SI	DR175 (741)	Chrysene	3.40E+00		1.74	1.95E+02	100	460	mg/kg OC-dry	2.0	
EPA SI	DR174 (740)	Chrysene	1.80E+00		1.59	1.13E+02	110	460	mg/kg OC	1.03	
EPA SI	DR175 (741)	Dibenzofuran	7.50E-01		1.74	4.31E+01	15	58	mg/kg OC-dry	2.9	
EPA SI	DR175 (741)	Fluoranthene	1.80E+01		1.74	1.03E+03	160	1200	mg/kg OC-dry	6.5	
EPA SI	DR174 (740)	Fluoranthene	2.80E+00		1.59	1.76E+02	160	1200	mg/kg OC	1.1	
EPA SI	DR175 (741)	Fluorene	1.70E+00		1.74	9.77E+01	23	79	mg/kg OC-dry	4.2	1.2
EPA SI	DR175 (741)	Indeno(1,2,3-cd)pyrene	6.60E-01		1.74	3.79E+01	34	88	mg/kg OC-dry	1.1	
EPA SI	DR175 (741)	Phenanthrene	1.60E+01		1.74	9.20E+02	100	480	mg/kg OC-dry	9.2	1.9
EPA SI	DR175 (741)	Total HPAH (calc'd)	4.12E+01		1.74	2.37E+03	960	5300	mg/kg OC-dry	2.5	
EPA SI	DR175 (741)	Total LPAH (calc'd)	2.00E+01		1.74	1.15E+03	370	780	mg/kg OC-dry	3.1	1.5
PCBs											
LDWRI-SurfaceSedimentRound1	**LDW-SS89**	**PCBs (total calc'd)**	**1.80E+00**		**1.02**	**1.76E+02**	**12**	**65**	**mg/kg OC**	**15**	2.7
LDWRI-SurfaceSedimentRound1	LDW-SS92	PCBs (total calc'd)	9.70E-01		1.27	7.64E+01	12	65	mg/kg OC	6.4	1.2
LDWRI-SurfaceSedimentRound1	LDW-SS88	PCBs (total calc'd)	6.60E-01		1.75	3.77E+01	12	65	mg/kg OC	3.1	
EPA SI	DR174 (740)	PCBs (total calc'd)	4.90E-01		1.59	3.08E+01	12	65	mg/kg OC	2.6	
EPA SI	DR119 (685)	PCBs (total calc'd)	3.90E-01	J	2.69	1.45E+01	12	65	mg/kg OC	1.2	
EPA SI	DR151 (717)	PCBs (total calc'd)	3.30E-01	J	2.68	1.23E+01	12	65	mg/kg OC	1.03	
NOAA SiteChar	EST182 (172)	PCBs (total calc'd)	2.50E-01		1.84	1.36E+01	12	65	mg/kg OC	1.1	
NOAA SiteChar	EST179 (169)	PCBs (total calc'd)	2.40E-01		0.98	2.45E+01	12	65	mg/kg OC	2.0	
NOAA SiteChar	EIT075 (82)	PCBs (total calc'd)	1.20E-01		0.54	2.22E+01	12	65	mg/kg OC	1.9	
NOAA SiteChar	EST176 (166)	PCBs (total calc'd)	1.20E-01		0.93	1.29E+01	12	65	mg/kg OC	1.1	
EPA SI	DR113 (679)	PCBs (total-calc'd)	2.03E+00	J	2.72	7.45E+01	12	65	mg/kg OC-dry	6.2	
NOAA SiteChar	EIT074 (81)	PCBs (total-calc'd)	4.50E-01		0.76	5.92E+01	12	65	mg/kg OC-dry	4.9	0.9
NOAA SiteChar	EST180 (170)	PCBs (total-calc'd)	2.30E-01		1.53	1.50E+01	12	65	mg/kg OC-dry	1.3	

DW - Dry weight
TOC - Total organic carbon
OC - Organic carbon normalized
SQS - Sediment Quality Standard
CSL - Cleanup Screening Level

PAH - Polynuclear aromatic hydrocarbon
PCB - polychlorinated biphenyl

Exceedance factors are the ratio of the detected concentration to the CSL or SQS; exceedance factors are shown only if they are greater than 1. Chemicals with exceedance factors greater than 10 are shown in **Bold**

Table 2
Subsurface Sediment Sampling Results Above Screening Levels
RM 2.3-2.8 East (Seattle Boiler Works to Slip 4)

Sampling Event	Sample Location	Sample Depth (feet)			Chemical	Conc'n (mg/kg DW)		TOC % dw	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor[a]	CSL Exceedance Factor[a]
RI Phase 2 Subsurface	LDW-SC45	2	-	4	PCBs (total calc'd)	5.70E-01		6.88	8.28E+00	130	1000	ug/kg dw	4.4	

DW - Dry weight
TOC - Total organic carbon
OC - Organic carbon normalized
SQS - Sediment Quality Standard
CSL - Cleanup Screening Level

PCB - polychlorinated biphenyl

Exceedance factors are the ratio of the detected concentration to the CSL or SQS; exceedance factors are shown only if they are greater than 1.

Table 3
Chemicals in Seep Sample
RM 2.3-2.8 East (Seattle Boiler Works to Slip 4)

Source	Date Sampled	Sample Location	Chemical	Conc'n (ug/L)		Marine Chronic WQS	Marine Acute WQS	Chronic WQS Exceedance Factor	GW-to-Sediment Screening Level (Based on CSL)[a]	Exceedance Factor
Filtered Samples										
			Metals	**(ug/L)**						
Windward, 2004	11/18/2004	Seep 12	Arsenic	0.771		36	69		370	
Windward, 2004	11/18/2004	Seep 12	Cadmium	0.107		9.3	42		3.4	
Windward, 2004	11/18/2004	Seep 12	Copper	12.5	J	3.1	4.8	4.0	120	
Windward, 2004	11/18/2004	Seep 12	Lead	0.129		8.1	210		13	
Windward, 2004	11/18/2004	Seep 12	Mercury	0.00074		NA	NA		0.0074	
Windward, 2004	11/18/2004	Seep 12	Nickel	4.24		8.2	74		NA	
Windward, 2004	11/18/2004	Seep 12	Silver	0.053		1.9	1.9		1.5	
Windward, 2004	11/18/2004	Seep 12	Zinc	14.1		81	90		76	
Unfiltered Samples										
			Conventionals	**(mg/L)**						
Windward, 2004	11/18/2004	Seep 12	Total Suspended Solids	15.6	J	NA	NA		NA	
			Metals	**(ug/L)**						
Windward, 2004	11/18/2004	Seep 12	Arsenic	1.13		NA	NA		370	
Windward, 2004	11/18/2004	Seep 12	Cadmium	0.133		NA	NA		3.4	
Windward, 2004	11/18/2004	Seep 12	Copper	15.8	J	NA	NA		120	
Windward, 2004	11/18/2004	Seep 12	Lead	0.823		NA	NA		13	
Windward, 2004	11/18/2004	Seep 12	Mercury	0.00518		0.025	1.8		0.0074	
Windward, 2004	11/18/2004	Seep 12	Nickel	8.03		NA	NA		NA	
Windward, 2004	11/18/2004	Seep 12	Silver	0.033		NA	NA		1.5	
Windward, 2004	11/18/2004	Seep 12	Zinc	16.1		NA	NA		76	

Exceedance factors are the ratio of the detected concentration to the screening level; exceedance factors are shown only if they are greater than or equal to 1.
Chemicals with exceedance factors greater than 10 are shown in **Bold**

WQS - Water Quality Standards
CSL - Sediment Management Standards Cleanup Screening Level

a - Groundwater to sediment screening level, based on sediment CSLs. From SAIC 2006

Table 4
Chemicals Above Screening Levels in Soil
Crowley Marine Services

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Landau 1990	**1990**	**DB12**	**11.5**	**1,4-Dichlorobenzene**	**0.79**	**M**	**42**	**0.015**	**53**
Landau 1990	**1990**	**DB11**	**8**	**2-Methylnaphthalene**	**640**		**320**	**0.073**	**8,767**
Landau 1990	**1990**	**DB6**	**4.5**	**2-Methylnaphthalene**	**540**		**320**	**1.4**	**386**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**2-Methylnaphthalene**	**200**		**320**	**0.073**	**2,740**
Landau 1990	**1990**	**DB11**	**9.5**	**2-Methylnaphthalene**	**120**		**320**	**0.073**	**1,644**
Landau 1990	**1990**	**DB6**	**7**	**2-Methylnaphthalene**	**51**		**320**	**0.073**	**699**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**8.5**	**2-Methylnaphthalene**	**19**		**320**	**0.073**	**260**
Hart Crowser 1990b	Aug-90	HC-106	5.3	2-Methylnaphthalene	11		320	1.4	7.9
Landau 1990	**1990**	**DB6**	**13**	**2-Methylnaphthalene**	**6.4**		**320**	**0.073**	**88**
Landau 1990	**1990**	**DB2**	**7**	**2-Methylnaphthalene**	**4.6**		**320**	**0.073**	**63**
Landau 1990	1990	DB6	2	2-Methylnaphthalene	3		320	1.4	2.1
Hart Crowser 1990b	**Aug-90**	**HC-103**	**10.8**	**2-Methylnaphthalene**	**1.9**		**320**	**0.073**	**26**
Landau 1990	**1990**	**DB3**	**17**	**2-Methylnaphthalene**	**1.6**		**320**	**0.073**	**22**
Landau 1990	**1990**	**DB2**	**9.5**	**2-Methylnaphthalene**	**1.4**		**320**	**0.073**	**19**
Hart Crowser 1990b	**Aug-90**	**HC-103 DUP**	**10.8**	**2-Methylnaphthalene**	**1.4**		**320**	**0.073**	**19**
Landau 1990	**1990**	**DB12**	**11.5**	**2-Methylnaphthalene**	**1.2**	**J**	**320**	**0.073**	**16**
Landau 1990	**1990**	**DB6**	**16**	**2-Methylnaphthalene**	**1**		**320**	**0.073**	**14**
Landau 1990	**1990**	**DB7**	**11.5**	**2-Methylnaphthalene**	**0.73**		**320**	**0.073**	**10**
Landau 1990	1990	DB3	13.5	2-Methylnaphthalene	0.67		320	0.073	9.2
Landau 1990	1990	DB7	8.5	2-Methylnaphthalene	0.25		320	0.073	3.4
Landau 1990	1990	DB6	10	2-Methylnaphthalene	0.16		320	0.073	2.2
Hart Crowser 1990b	Aug-90	HC-110	8.9	2-Methylnaphthalene	0.15		320	0.073	2.1
Landau 1990	**1990**	**DB6**	**4.5**	**2-Methylphenol**	**6**			**0.091**	**66**
Landau 1990	**1990**	**DB6**	**7**	**2-Methylphenol**	**0.86**			**0.0052**	**165**
Landau 1990	**1990**	**DB11**	**8**	**2-Methylphenol**	**0.44**	**M**		**0.0052**	**85**
Landau 1990	**1990**	**DB6**	**13**	**2-Methylphenol**	**0.099**			**0.0052**	**19**
Landau 1990	**1990**	**DB6**	**4.5**	**4-Methylphenol**	**15**			**0.98**	**15**
Landau 1990	**1990**	**DB6**	**7**	**4-Methylphenol**	**2.7**			**0.056**	**48**
Landau 1990	1990	DB6	13	4-Methylphenol	0.33			0.056	5.9
Landau 1990	**1990**	**DB11**	**8**	**Acenaphthene**	**860**	**B**	**4,800**	**0.060**	**14,333**
Landau 1990	**1990**	**DB6**	**4.5**	**Acenaphthene**	**570**	**B**	**4,800**	**1.2**	**475**
Landau 1990	**1990**	**DB11**	**9.5**	**Acenaphthene**	**190**	**B**	**4,800**	**0.060**	**3,167**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Acenaphthene**	**130**		**4,800**	**0.060**	**2,167**
Landau 1990	**1990**	**DB6**	**7**	**Acenaphthene**	**43**	**B**	**4,800**	**0.060**	**717**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**8.5**	**Acenaphthene**	**30**		**4,800**	**0.060**	**500**
Hart Crowser 1990b	**Aug-90**	**HC-106**	**5.3**	**Acenaphthene**	**17**		**4,800**	**1.2**	**14**
Landau 1990	1990	DB5	2	Acenaphthene	8.6	B	4,800	1.2	7.2
Landau 1990	**1990**	**DB6**	**13**	**Acenaphthene**	**8.5**		**4,800**	**0.060**	**142**
Landau 1990	1990	DB6	2	Acenaphthene	4.9	B	4,800	1.2	4.1

Table 4
Chemicals Above Screening Levels in Soil
Crowley Marine Services

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Landau 1990	**1990**	**DB2**	**7**	**Acenaphthene**	**4**	**B**	**4,800**	**0.060**	**67**
Landau 1990	**1990**	**DB3**	**17**	**Acenaphthene**	**3.5**		**4,800**	**0.060**	**58**
Landau 1990	**1990**	**DB2**	**9.5**	**Acenaphthene**	**2.7**		**4,800**	**0.060**	**45**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**10.8**	**Acenaphthene**	**1.5**		**4,800**	**0.060**	**25**
Hart Crowser 1990b	**Aug-90**	**HC-103 DUP**	**10.8**	**Acenaphthene**	**1.5**		**4,800**	**0.060**	**25**
Landau 1990	1990	DB4	6	Acenaphthene	1.4	B	4,800	1.2	1.2
Landau 1990	**1990**	**DB3**	**13.5**	**Acenaphthene**	**1.3**		**4,800**	**0.060**	**22**
Landau 1990	**1990**	**DB6**	**16**	**Acenaphthene**	**1.2**		**4,800**	**0.060**	**20**
Hart Crowser 1990b	**Aug-90**	**HC-110**	**8.9**	**Acenaphthene**	**1.1**		**4,800**	**0.060**	**18**
Landau 1990	**1990**	**DB7**	**11.5**	**Acenaphthene**	**0.96**	**B**	**4,800**	**0.060**	**16**
Landau 1990	1990	DB7	8.5	Acenaphthene	0.31	B	4,800	0.060	5.2
Landau 1990	1990	DB4	8.5	Acenaphthene	0.29	B	4,800	0.060	4.8
Landau 1990	1990	DB6	10	Acenaphthene	0.23		4,800	0.060	3.8
Landau 1990	1990	DB6	18.5	Acenaphthene	0.11		4,800	0.060	1.8
Landau 1990	**1990**	**DB11**	**8**	**Acenaphthylene**	**24**			**0.069**	**348**
Landau 1990	1990	DB6	4.5	Acenaphthylene	13			1.4	9.3
Landau 1990	**1990**	**DB11**	**9.5**	**Acenaphthylene**	**2.6**			**0.069**	**38**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Acenaphthylene**	**2.2**			**0.069**	**32**
Landau 1990	1990	DB3	3.5	Acenaphthylene	1.4			1.4	1.0
Landau 1990	**1990**	**DB6**	**7**	**Acenaphthylene**	**1.3**			**0.069**	**19**
Hart Crowser 1990b	**Aug-90**	**HC-110**	**8.9**	**Acenaphthylene**	**0.87**			**0.069**	**13**
Hart Crowser 1990b	Aug-90	HC-103	8.5	Acenaphthylene	0.5			0.069	7.2
Landau 1990	1990	DB2	7	Acenaphthylene	0.25			0.069	3.6
Landau 1990	1990	DB6	13	Acenaphthylene	0.19			0.069	2.8
Landau 1990	**1990**	**DB6**	**4.5**	**Anthracene**	**910**	**B**	**2,400**	**24**	**38**
Landau 1990	**1990**	**DB11**	**8**	**Anthracene**	**420**	**B**	**2,400**	**1.2**	**350**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Anthracene**	**360**		**2,400**	**1.2**	**300**
Landau 1990	**1990**	**DB6**	**7**	**Anthracene**	**110**	**B**	**2,400**	**1.2**	**92**
Landau 1990	**1990**	**DB11**	**9.5**	**Anthracene**	**97**	**B**	**2,400**	**1.2**	**81**
Hart Crowser 1990b	Aug-90	HC-106	5.3	Anthracene	33		2,400	24	1.4
Hart Crowser 1990b	**Aug-90**	**HC-103**	**8.5**	**Anthracene**	**28**		**2,400**	**1.2**	**23**
Landau 1990	1990	DB6	13	Anthracene	11		2,400	1.2	9.2
Landau 1990	1990	DB2	7	Anthracene	6.2	B	2,400	1.2	5.2
Hart Crowser 1990b	Aug-90	HC-110	8.9	Anthracene	4.8		2,400	1.2	4.0
Landau 1990	1990	DB6	16	Anthracene	2.5		2,400	1.2	2.1
Landau 1990	1990	DB7	11.5	Anthracene	2.1	B	2,400	1.2	1.8
Hart Crowser 1990b	Aug-90	HC-103 DUP	10.8	Anthracene	1.4		2,400	1.2	1.2
Landau 1990	1990	DB3	17	Anthracene	1.2		2,400	1.2	1.0
Landau 1990	1990	DB6	4.5	Aroclor 1254	2.5			1.3	1.9

Table 4
Chemicals Above Screening Levels in Soil
Crowley Marine Services

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Landau 1990	1990	DB7	11.5	Aroclor 1254	0.21			0.065	3.2
Landau 1990	1990	DB7	8.5	Aroclor 1254	0.076			0.065	1.2
Landau 1990	**1990**	**DB6**	**4.5**	**Arsenic**	**1,760**		**20**	**12,000**	**88**
Landau 1990	**1990**	**DB6**	**7**	**Arsenic**	**1,220**		**20**	**590**	**61**
Landau 1990	**1990**	**DB7**	**11.5**	**Arsenic**	**1,090**		**20**	**590**	**55**
Hart Crowser 1990b	**Aug-90**	**HC-106**	**5.3**	**Arsenic**	**860**		**20**	**12,000**	**43**
Landau 1990	**1990**	**DB6**	**2**	**Arsenic**	**590**		**20**	**12,000**	**30**
Hart Crowser 1990b	**Aug-90**	**HC-106**	**3.5**	**Arsenic**	**330**		**20**	**12,000**	**17**
Landau 1990	**1990**	**DB2**	**7**	**Arsenic**	**241**		**20**	**590**	**12**
Landau 1990	**1990**	**DB5**	**2**	**Arsenic**	**205**		**20**	**12,000**	**10**
Landau 1990	1990	DB2	4.5	Arsenic	144		20	12,000	7.2
Landau 1990	1990	DB10	5	Arsenic	133		20	12,000	6.7
Landau 1990	1990	DB7	8.5	Arsenic	107		20	590	5.4
Hart Crowser 1990b	Aug-90	HC-103	8.5	Arsenic	75		20	590	3.8
Hart Crowser 1990b	Aug-90	HC-107	3.1	Arsenic	74		20	12,000	3.7
Hart Crowser 1990b	Aug-90	HC-109	6.5	Arsenic	53		20	12,000	2.7
Landau 1990	1990	DB6	13	Arsenic	38		20	590	1.9
Hart Crowser 1990b	Aug-90	HC-104	5.2	Arsenic	26		20	12,000	1.3
Landau 1990	1990	DB2	3.5	Arsenic	25		20	12,000	1.3
Landau 1990	1990	DB3	3.5	Arsenic	21.0		20	12,000	1.1
Hart Crowser 1989b	**Feb-89**	**HC-14**	**3.4-4.0**	**Arsenic (total)**	**2,800**		**20**	**12,000**	**140**
Hart Crowser 1989b	**Jan-89**	**HC-13**	**3.7-4.1**	**Arsenic (total)**	**2,200**		**20**	**12,000**	**110**
Hart Crowser 1989b	**Nov-88**	**HC-1**	**2.5-3.75**	**Arsenic (total)**	**1,600**		**20**	**12,000**	**80**
Hart Crowser 1989b	**Feb-89**	**HC-16**	**3.5-3.7**	**Arsenic (total)**	**770**		**20**	**12,000**	**39**
Hart Crowser 1989b	Jan-89	HC-10	2.5-4.0	Arsenic (total)	82		20	12,000	4.1
Hart Crowser 1989b	Feb-89	HC-17	4.0-4.33	Arsenic (total)	68		20	12,000	3.4
Hart Crowser 1989b	Jan-89	HC-13	4.1-5.5	Arsenic (total)	35		20	12,000	1.8
Hart Crowser 1989b	Nov-88	HC-1A	15.0-16.5	Arsenic (total)	23		20	590	1.2
Hart Crowser 1989b	Jan-89	HC-11	2.5-4.0	Arsenic (total)	19		20	12,000	1.0
Landau 1990	**1990**	**DB11**	**8**	**Benzo(a)anthracene**	**280**			**0.27**	**1,037**
Landau 1990	**1990**	**DB6**	**4.5**	**Benzo(a)anthracene**	**120**			**5.4**	**22**
Landau 1990	**1990**	**DB11**	**9.5**	**Benzo(a)anthracene**	**86**			**0.27**	**319**
Landau 1990	**1990**	**DB6**	**7**	**Benzo(a)anthracene**	**25**			**0.27**	**93**
Landau 1990	1990	DB3	3.5	Benzo(a)anthracene	19			5.4	3.5
Landau 1990	1990	DB5	2	Benzo(a)anthracene	18			5.4	3.3
Hart Crowser 1990b	Aug-90	HC-106	5.3	Benzo(a)anthracene	18			5.4	3.3
Hart Crowser 1990b	**Aug-90**	**HC-110**	**8.9**	**Benzo(a)anthracene**	**14**			**0.27**	**52**
Hart Crowser 1990b	Aug-90	HC-107	3.1	Benzo(a)anthracene	14			5.4	2.6
Landau 1990	1990	DB4	6	Benzo(a)anthracene	13			5.4	2.4

Table 4
Chemicals Above Screening Levels in Soil
Crowley Marine Services

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Hart Crowser 1990b	**Aug-90**	**HC-103**	**8.5**	**Benzo(a)anthracene**	**11**			**0.27**	**41**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Benzo(a)anthracene**	**9.9**			**0.27**	**37**
Landau 1990	1990	DB2	4.5	Benzo(a)anthracene	7.3			5.4	1.4
Landau 1990	**1990**	**DB6**	**13**	**Benzo(a)anthracene**	**3.1**			**0.27**	**11**
Landau 1990	**1990**	**DB2**	**7**	**Benzo(a)anthracene**	**2.8**			**0.27**	**10**
Landau 1990	1990	DB4	8.5	Benzo(a)anthracene	2.6			0.27	9.6
Hart Crowser 1990b	Aug-90	HC-102	8.5	Benzo(a)anthracene	1.7			0.27	6.3
Landau 1990	1990	DB7	11.5	Benzo(a)anthracene	1.3			0.27	4.8
Landau 1990	1990	DB2	9.5	Benzo(a)anthracene	0.92			0.27	3.4
Hart Crowser 1990b	Aug-90	HC-106	7.5	Benzo(a)anthracene	0.53			0.27	2.0
Landau 1990	1990	DB7	8.5	Benzo(a)anthracene	0.5			0.27	1.9
Landau 1990	1990	DB6	16	Benzo(a)anthracene	0.39			0.27	1.4
Landau 1990	**1990**	**DB11**	**8**	**Benzo(a)pyrene**	**140**		**0.1**	**0.21**	**1,400**
Landau 1990	**1990**	**DB6**	**4.5**	**Benzo(a)pyrene**	**53**		**0.1**	**4.2**	**530**
Landau 1990	**1990**	**DB11**	**9.5**	**Benzo(a)pyrene**	**26**		**0.1**	**0.21**	**260**
Landau 1990	**1990**	**DB3**	**3.5**	**Benzo(a)pyrene**	**25**		**0.1**	**4.2**	**250**
Landau 1990	**1990**	**DB2**	**4.5**	**Benzo(a)pyrene**	**18**		**0.1**	**4.2**	**180**
Landau 1990	**1990**	**DB6**	**7**	**Benzo(a)pyrene**	**13**		**0.1**	**0.21**	**130**
Hart Crowser 1990b	**Aug-90**	**HC-110**	**8.9**	**Benzo(a)pyrene**	**12**		**0.1**	**0.21**	**120**
Hart Crowser 1990b	**Aug-90**	**HC-107**	**3.1**	**Benzo(a)pyrene**	**8.6**		**0.1**	**4.2**	**86**
Hart Crowser 1990b	**Aug-90**	**HC-106**	**5.3**	**Benzo(a)pyrene**	**8.6**		**0.1**	**4.2**	**86**
Landau 1990	**1990**	**DB5**	**2**	**Benzo(a)pyrene**	**7.7**		**0.1**	**4.2**	**77**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Benzo(a)pyrene**	**7.2**		**0.1**	**0.21**	**72**
Landau 1990	**1990**	**DB4**	**6**	**Benzo(a)pyrene**	**5.2**		**0.1**	**4.2**	**52**
Landau 1990	**1990**	**DB2**	**7**	**Benzo(a)pyrene**	**4.6**		**0.1**	**0.21**	**46**
Landau 1990	**1990**	**DB8**	**5**	**Benzo(a)pyrene**	**3.2**		**0.1**	**4.2**	**32**
Landau 1990	**1990**	**DB6**	**2**	**Benzo(a)pyrene**	**2.6**		**0.1**	**4.2**	**26**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**8.5**	**Benzo(a)pyrene**	**2.5**		**0.1**	**0.21**	**25**
Landau 1990	**1990**	**DB6**	**13**	**Benzo(a)pyrene**	**1.8**		**0.1**	**0.21**	**18**
Landau 1990	**1990**	**DB10**	**5**	**Benzo(a)pyrene**	**1.2**		**0.1**	**4.2**	**12**
Landau 1990	**1990**	**DB7**	**8.5**	**Benzo(a)pyrene**	**1.2**		**0.1**	**0.21**	**12**
Hart Crowser 1990b	**Aug-90**	**HC-106**	**3.5**	**Benzo(a)pyrene**	**1.1**		**0.1**	**4.2**	**11**
Landau 1990	**1990**	**DB4**	**8.5**	**Benzo(a)pyrene**	**1.1**		**0.1**	**0.21**	**11**
Hart Crowser 1990b	**Aug-90**	**HC-102**	**8.5**	**Benzo(a)pyrene**	**1.1**		**0.1**	**0.21**	**11**
Landau 1990	1990	DB9	5	Benzo(a)pyrene	0.99		0.1	4.2	9.9
Landau 1990	1990	DB2	9.5	Benzo(a)pyrene	0.74		0.1	0.21	7.4
Landau 1990	1990	DB7	11.5	Benzo(a)pyrene	0.71		0.1	0.21	7.1
Landau 1990	1990	DB12	5	Benzo(a)pyrene	0.54		0.1	4.2	5.4
Hart Crowser 1990b	Aug-90	HC-110	6.8	Benzo(a)pyrene	0.32		0.1	4.2	3.2

Table 4
Chemicals Above Screening Levels in Soil
Crowley Marine Services

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Hart Crowser 1990b	Aug-90	HC-105	6.0	Benzo(a)pyrene	0.26		0.1	4.2	2.6
Hart Crowser 1990b	Aug-90	HC-103	6.5	Benzo(a)pyrene	0.22		0.1	4.2	2.2
Landau 1990	1990	DB6	16	Benzo(a)pyrene	0.2		0.1	0.21	2.0
Landau 1990	1990	DB11	6.5	Benzo(a)pyrene	0.17		0.1	4.2	1.7
Hart Crowser 1990b	Aug-90	HC-110	3.5	Benzo(a)pyrene	0.16		0.1	4.2	1.6
Hart Crowser 1990b	**Aug-90**	**HC-110**	**8.9**	**Benzo(b)fluoranthene**	**17**			**0.45**	**38**
Hart Crowser 1990b	Aug-90	HC-107	3.1	Benzo(b)fluoranthene	17			9.0	1.9
Hart Crowser 1990b	Aug-90	HC-106	5.3	Benzo(b)fluoranthene	16			9.0	1.8
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Benzo(b)fluoranthene**	**14**			**0.45**	**31**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**8.5**	**Benzo(b)fluoranthene**	**5.2**			**0.45**	**12**
Hart Crowser 1990b	Aug-90	HC-102	8.5	Benzo(b)fluoranthene	2			0.45	4.4
Landau 1990	**1990**	**DB11**	**8**	**Benzo(g,h,i)perylene**	**20**			**0.078**	**256**
Landau 1990	1990	DB6	4.5	Benzo(g,h,i)perylene	9.2			1.6	5.8
Hart Crowser 1990b	**Aug-90**	**HC-110**	**8.9**	**Benzo(g,h,i)perylene**	**6.5**			**0.078**	**83**
Landau 1990	**1990**	**DB6**	**7**	**Benzo(g,h,i)perylene**	**6.3**			**0.078**	**81**
Landau 1990	**1990**	**DB11**	**9.5**	**Benzo(g,h,i)perylene**	**5.3**			**0.078**	**68**
Landau 1990	1990	DB3	3.5	Benzo(g,h,i)perylene	4.1			1.6	2.6
Hart Crowser 1990b	Aug-90	HC-107	3.1	Benzo(g,h,i)perylene	3.5			1.6	2.2
Hart Crowser 1990b	Aug-90	HC-106	5.3	Benzo(g,h,i)perylene	3.4			1.6	2.1
Landau 1990	1990	DB2	4.5	Benzo(g,h,i)perylene	2.8			1.6	1.8
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Benzo(g,h,i)perylene**	**1.8**			**0.078**	**23**
Landau 1990	**1990**	**DB2**	**7**	**Benzo(g,h,i)perylene**	**0.88**			**0.078**	**11**
Landau 1990	1990	DB7	8.5	Benzo(g,h,i)perylene	0.76			0.078	9.7
Hart Crowser 1990b	Aug-90	HC-102	8.5	Benzo(g,h,i)perylene	0.59			0.078	7.6
Landau 1990	1990	DB6	13	Benzo(g,h,i)perylene	0.59			0.078	7.6
Hart Crowser 1990b	Aug-90	HC-103	8.5	Benzo(g,h,i)perylene	0.51			0.078	6.5
Landau 1990	1990	DB2	9.5	Benzo(g,h,i)perylene	0.25			0.078	3.2
Landau 1990	1990	DB4	8.5	Benzo(g,h,i)perylene	0.076	M		0.078	1.0
Hart Crowser 1990b	**Aug-90**	**HC-110**	**8.9**	**Benzo(k)fluoranthene**	**18**			**0.45**	**40**
Hart Crowser 1990b	Aug-90	HC-107	3.1	Benzo(k)fluoranthene	18			9.0	2.0
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Benzo(k)fluoranthene**	**17**			**0.45**	**38**
Hart Crowser 1990b	Aug-90	HC-106	5.3	Benzo(k)fluoranthene	16			9.0	1.8
Hart Crowser 1990b	**Aug-90**	**HC-103**	**8.5**	**Benzo(k)fluoranthene**	**6.5**			**0.45**	**14**
Hart Crowser 1990b	Aug-90	HC-102	8.5	Benzo(k)fluoranthene	2.5			0.45	5.6
Landau 1990	**1990**	**DB11**	**8**	**Benzofluoranthenes**	**510**			**0.45**	**1,133**
Landau 1990	**1990**	**DB11**	**9.5**	**Benzofluoranthenes**	**159**			**0.45**	**353**
Landau 1990	1990	DB6	4.5	Benzofluoranthenes	65			9.0	7.2
Landau 1990	1990	DB3	3.5	Benzofluoranthenes	64			9.0	7.1
Landau 1990	1990	DB2	4.5	Benzofluoranthenes	36			9.0	4.0

Table 4
Chemicals Above Screening Levels in Soil
Crowley Marine Services

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Landau 1990	1990	DB5	2	Benzofluoranthenes	19			9.0	2.1
Landau 1990	**1990**	**DB6**	**7**	**Benzofluoranthenes**	**16**			**0.45**	**36**
Landau 1990	1990	DB4	6	Benzofluoranthenes	16			9.0	1.8
Landau 1990	**1990**	**DB2**	**7**	**Benzofluoranthenes**	**9.3**			**0.45**	**21**
Landau 1990	1990	DB6	13	Benzofluoranthenes	3			0.45	6.7
Landau 1990	1990	DB4	8.5	Benzofluoranthenes	2.90			0.45	6.4
Landau 1990	1990	DB7	11.5	Benzofluoranthenes	2.3			0.45	5.1
Landau 1990	1990	DB7	8.5	Benzofluoranthenes	1.2			0.45	2.7
Landau 1990	1990	DB2	9.5	Benzofluoranthenes	1.2			0.45	2.7
Landau 1990	1990	DB6	4.5	Bis(2-Ethylhexyl)phthalate	3.2	MB	71	1.6	2.0
Landau 1990	**1990**	**DB11**	**8**	**Bis(2-Ethylhexyl)phthalate**	**2.6**	**B**	**71**	**0.078**	**33**
Landau 1990	**1990**	**DB11**	**9.5**	**Bis(2-Ethylhexyl)phthalate**	**0.87**	**B**	**71**	**0.078**	**11**
Landau 1990	1990	DB7	11.5	Bis(2-Ethylhexyl)phthalate	0.62	B	71	0.078	7.9
Landau 1990	1990	DB3	7.5	Bis(2-Ethylhexyl)phthalate	0.51	B	71	0.078	6.5
Landau 1990	1990	DB7	8.5	Bis(2-Ethylhexyl)phthalate	0.49	B	71	0.078	6.3
Landau 1990	1990	DB1	9.5	Bis(2-Ethylhexyl)phthalate	0.49	B	71	0.078	6.3
Landau 1990	1990	DB2	18	Bis(2-Ethylhexyl)phthalate	0.45		71	0.078	5.8
Landau 1990	1990	DB3	13.5	Bis(2-Ethylhexyl)phthalate	0.41	B	71	0.078	5.3
Landau 1990	1990	DB3	9	Bis(2-Ethylhexyl)phthalate	0.38	B	71	0.078	4.9
Landau 1990	1990	DB2	9.5	Bis(2-Ethylhexyl)phthalate	0.37	B	71	0.078	4.7
Landau 1990	1990	DB3	17	Bis(2-Ethylhexyl)phthalate	0.37	B	71	0.078	4.7
Landau 1990	1990	DB5	8	Bis(2-Ethylhexyl)phthalate	0.28	B	71	0.078	3.6
Landau 1990	1990	DB2	12	Bis(2-Ethylhexyl)phthalate	0.27	B	71	0.078	3.5
Landau 1990	1990	FB4	11	Bis(2-Ethylhexyl)phthalate	0.15		71	0.078	1.9
Landau 1990	1990	DB5	11	Bis(2-Ethylhexyl)phthalate	0.11	B	71	0.078	1.4
Landau 1990	1990	DB6	4.5	Cadmium	4.9		2	34	2.5
Landau 1990	1990	DB6	7	Cadmium	4.1		2	1.7	2.1
Landau 1990	1990	DB7	11.5	Cadmium	3.6		2	1.7	1.8
Landau 1990	1990	DB6	2	Cadmium	2.1		2	34	1.1
Landau 1990	1990	DB6	4.5	Chromium	109		19	5,400	5.7
Landau 1990	1990	DB5	2	Chromium	70.7		19	5,400	3.7
Landau 1990	1990	DB6	7	Chromium	58.3		19	270	3.1
Landau 1990	1990	DB11	8	Chromium	50.2		19	270	2.6
Landau 1990	1990	DB7	11.5	Chromium	48.3		19	270	2.5
Landau 1990	1990	DB6	2	Chromium	38.4		19	5,400	2.0
Landau 1990	1990	DB7	8.5	Chromium	29.7		19	270	1.6
Landau 1990	1990	DB7	6	Chromium	27.2		19	5,400	1.4
Landau 1990	1990	DB2	3.5	Chromium	25.3		19	5,400	1.3
Landau 1990	1990	DB3	2	Chromium	23.1		19	5,400	1.2

Table 4
Chemicals Above Screening Levels in Soil
Crowley Marine Services

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Landau 1990	1990	FB5	2	Chromium	21.4		19	5,400	1.1
Landau 1990	1990	DB8	5	Chromium	19.0		19	5,400	1.0
Landau 1990	1990	DB4	6	Chromium	18.5		19	5,400	1.0
Landau 1990	**1990**	**DB6**	**4.5**	**Chrysene**	**380**	**B**		**9.2**	**41**
Landau 1990	**1990**	**DB11**	**8**	**Chrysene**	**320**	**B**		**0.46**	**696**
Landau 1990	**1990**	**DB11**	**9.5**	**Chrysene**	**97**	**B**		**0.46**	**211**
Landau 1990	**1990**	**DB6**	**7**	**Chrysene**	**40**	**B**		**0.46**	**87**
Landau 1990	1990	DB3	3.5	Chrysene	37	B		9.2	4.0
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Chrysene**	**25**			**0.46**	**54**
Landau 1990	1990	DB5	2	Chrysene	20	B		9.2	2.2
Hart Crowser 1990b	Aug-90	HC-106	5.3	Chrysene	20			9.2	2.2
Landau 1990	1990	DB2	4.5	Chrysene	19	B		9.2	2.1
Landau 1990	1990	DB4	6	Chrysene	13	B		9.2	1.4
Hart Crowser 1990b	**Aug-90**	**HC-110**	**8.9**	**Chrysene**	**12**			**0.46**	**26**
Hart Crowser 1990b	Aug-90	HC-107	3.1	Chrysene	12			9.2	1.3
Hart Crowser 1990b	**Aug-90**	**HC-103**	**8.5**	**Chrysene**	**11**			**0.46**	**24**
Landau 1990	1990	DB6	2	Chrysene	9.9	B		9.2	1.1
Landau 1990	**1990**	**DB2**	**7**	**Chrysene**	**7.3**	**B**		**0.46**	**16**
Landau 1990	**1990**	**DB6**	**13**	**Chrysene**	**6.7**			**0.46**	**15**
Landau 1990	1990	DB4	8.5	Chrysene	2.6	B		0.46	5.7
Landau 1990	1990	DB7	11.5	Chrysene	1.9	B		0.46	4.1
Hart Crowser 1990b	Aug-90	HC-102	8.5	Chrysene	1.7			0.46	3.7
Landau 1990	1990	DB6	16	Chrysene	0.92			0.46	2.0
Landau 1990	1990	DB7	8.5	Chrysene	0.85	B		0.46	1.8
Landau 1990	1990	DB2	9.5	Chrysene	0.75			0.46	1.6
Landau 1990	1990	DB12	11.5	Chrysene	0.53	M		0.46	1.2
Hart Crowser 1990b	Aug-90	HC-106	7.5	Chrysene	0.51			0.46	1.1
Landau 1990	1990	DB6	4.5	Copper	1,400		3,000	780	1.8
Landau 1990	**1990**	**DB6**	**7**	**Copper**	**946**		**3,000**	**39**	**24**
Landau 1990	**1990**	**DB7**	**11.5**	**Copper**	**782**		**3,000**	**39**	**20**
Landau 1990	1990	DB2	7	Copper	179		3,000	39	4.6
Landau 1990	1990	DB7	8.5	Copper	91.2		3,000	39	2.3
Landau 1990	1990	DB6	13	Copper	48.9		3,000	39	1.3
Landau 1990	**1990**	**DB11**	**8**	**Dibenz(a,h)anthracene**	**46**			**0.033**	**1,394**
Landau 1990	**1990**	**DB6**	**4.5**	**Dibenz(a,h)anthracene**	**23**			**0.66**	**35**
Landau 1990	**1990**	**DB3**	**3.5**	**Dibenz(a,h)anthracene**	**11**			**0.66**	**17**
Landau 1990	**1990**	**DB11**	**9.5**	**Dibenz(a,h)anthracene**	**8**			**0.033**	**242**
Landau 1990	**1990**	**DB2**	**4.5**	**Dibenz(a,h)anthracene**	**6.8**			**0.66**	**10**
Landau 1990	**1990**	**DB6**	**7**	**Dibenz(a,h)anthracene**	**3.5**			**0.033**	**106**

Table 4
Chemicals Above Screening Levels in Soil
Crowley Marine Services

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Landau 1990	**1990**	**DB2**	**7**	**Dibenz(a,h)anthracene**	**1.8**			**0.033**	**55**
Landau 1990	1990	DB5	2	Dibenz(a,h)anthracene	1.8			0.66	2.7
Landau 1990	1990	DB8	5	Dibenz(a,h)anthracene	1.3			0.66	2.0
Landau 1990	1990	DB4	6	Dibenz(a,h)anthracene	1.3			0.66	2.0
Hart Crowser 1990b	Aug-90	HC-106	5.3	Dibenz(a,h)anthracene	1.1			0.66	1.7
Hart Crowser 1990b	Aug-90	HC-107	3.1	Dibenz(a,h)anthracene	1.0			0.66	1.5
Landau 1990	1990	DB6	2	Dibenz(a,h)anthracene	0.92			0.66	1.4
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Dibenz(a,h)anthracene**	**0.52**			**0.033**	**16**
Hart Crowser 1990b	**Aug-90**	**HC-110**	**8.9**	**Dibenz(a,h)anthracene**	**0.46**			**0.033**	**14**
Landau 1990	**1990**	**DB6**	**13**	**Dibenz(a,h)anthracene**	**0.36**			**0.033**	**11**
Landau 1990	**1990**	**DB4**	**8.5**	**Dibenz(a,h)anthracene**	**0.33**			**0.033**	**10**
Hart Crowser 1990b	Aug-90	HC-103	8.5	Dibenz(a,h)anthracene	0.23	J		0.033	7.0
Landau 1990	1990	DB7	11.5	Dibenz(a,h)anthracene	0.17	M		0.033	5.2
Landau 1990	1990	DB7	8.5	Dibenz(a,h)anthracene	0.13			0.033	3.9
Landau 1990	**1990**	**DB11**	**8**	**Dibenzofuran**	**390**		**160**	**0.059**	**6,610**
Landau 1990	**1990**	**DB6**	**4.5**	**Dibenzofuran**	**210**		**160**	**1.2**	**175**
Landau 1990	**1990**	**DB11**	**9.5**	**Dibenzofuran**	**29**		**160**	**0.059**	**492**
Landau 1990	**1990**	**DB6**	**7**	**Dibenzofuran**	**21**		**160**	**0.059**	**356**
Landau 1990	**1990**	**DB6**	**13**	**Dibenzofuran**	**4.1**		**160**	**0.059**	**69**
Landau 1990	1990	DB5	2	Dibenzofuran	3.2		160	1.2	2.7
Landau 1990	**1990**	**DB3**	**17**	**Dibenzofuran**	**2.5**		**160**	**0.059**	**42**
Landau 1990	1990	DB6	2	Dibenzofuran	2.2		160	1.2	1.8
Landau 1990	**1990**	**DB2**	**7**	**Dibenzofuran**	**2**		**160**	**0.059**	**34**
Landau 1990	**1990**	**DB2**	**9.5**	**Dibenzofuran**	**1.2**		**160**	**0.059**	**20**
Landau 1990	**1990**	**DB7**	**11.5**	**Dibenzofuran**	**0.6**		**160**	**0.059**	**10**
Landau 1990	1990	DB6	16	Dibenzofuran	0.51		160	0.059	8.6
Landau 1990	1990	DB3	13.5	Dibenzofuran	0.44		160	0.059	7.5
Landau 1990	1990	DB4	8.5	Dibenzofuran	0.11	J	160	0.059	1.9
Landau 1990	1990	DB6	10	Dibenzofuran	0.092		160	0.059	1.6
Landau 1990	**1990**	**DB11**	**8**	**Fluoranthene**	**1,200**	**B**	**3,200**	**1.2**	**1,000**
Landau 1990	**1990**	**DB6**	**4.5**	**Fluoranthene**	**640**	**B**	**3,200**	**24**	**27**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Fluoranthene**	**310**		**3,200**	**1.2**	**258**
Landau 1990	**1990**	**DB11**	**9.5**	**Fluoranthene**	**280**	**B**	**3,200**	**1.2**	**233**
Landau 1990	**1990**	**DB6**	**7**	**Fluoranthene**	**56**	**B**	**3,200**	**1.2**	**47**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**8.5**	**Fluoranthene**	**55**		**3,200**	**1.2**	**46**
Hart Crowser 1990b	Aug-90	HC-106	5.3	Fluoranthene	38		3,200	24	1.6
Landau 1990	1990	DB5	2	Fluoranthene	35	B	3,200	24	1.5
Hart Crowser 1990b	Aug-90	HC-107	3.1	Fluoranthene	29		3,200	24	1.2
Hart Crowser 1990b	**Aug-90**	**HC-110**	**8.9**	**Fluoranthene**	**27**		**3,200**	**1.2**	**23**

Table 4
Chemicals Above Screening Levels in Soil
Crowley Marine Services

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Landau 1990	1990	DB6	13	Fluoranthene	9.3		3,200	1.2	7.8
Landau 1990	1990	DB4	8.5	Fluoranthene	5	B	3,200	1.2	4.2
Landau 1990	1990	DB7	11.5	Fluoranthene	3.8	B	3,200	1.2	3.2
Landau 1990	1990	DB2	9.5	Fluoranthene	3.3		3,200	1.2	2.8
Landau 1990	1990	DB2	7	Fluoranthene	3.2	B	3,200	1.2	2.7
Hart Crowser 1990b	Aug-90	HC-102	8.5	Fluoranthene	3.1		3,200	1.2	2.6
Landau 1990	1990	DB3	17	Fluoranthene	2.1		3,200	1.2	1.8
Hart Crowser 1990b	Aug-90	HC-103 DUP	10.8	Fluoranthene	1.5		3,200	1.2	1.3
Landau 1990	1990	DB6	16	Fluoranthene	1.5		3,200	1.2	1.3
Landau 1990	**1990**	**DB7**	**8.5**	**Fluoranthene**	**1.3**	**B**	**3,200**	**1.2**	**1.1**
Landau 1990	**1990**	**DB11**	**8**	**Fluorene**	**630**		**3,200**	**0.081**	**7,778**
Landau 1990	**1990**	**DB6**	**4.5**	**Fluorene**	**420**	**B**	**3,200**	**1.6**	**263**
Landau 1990	**1990**	**DB11**	**9.5**	**Fluorene**	**140**		**3,200**	**0.081**	**1728**
Landau 1990	**1990**	**DB6**	**7**	**Fluorene**	**32**	**B**	**3,200**	**0.081**	**395**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**8.5**	**Fluorene**	**31**		**3,200**	**0.081**	**383**
Hart Crowser 1990b	Aug-90	HC-106	5.3	Fluorene	15		3,200	1.6	9.4
Landau 1990	**1990**	**DB6**	**13**	**Fluorene**	**6.3**		**3,200**	**0.081**	**78**
Landau 1990	1990	DB5	2	Fluorene	5.9		3,200	1.6	3.7
Landau 1990	1990	DB6	2	Fluorene	4	B	3,200	1.6	2.5
Landau 1990	1990	FSS2	0-0.5	Fluorene	4	M	3,200	1.6	2.5
Landau 1990	**1990**	**DB3**	**17**	**Fluorene**	**2.9**		**3,200**	**0.081**	**36**
Landau 1990	**1990**	**DB2**	**7**	**Fluorene**	**2.6**		**3,200**	**0.081**	**32**
Hart Crowser 1990b	**Aug-90**	**HC-110**	**8.9**	**Fluorene**	**2.2**		**3,200**	**0.081**	**27**
Hart Crowser 1990b	**Aug-90**	**HC-103 DUP**	**10.8**	**Fluorene**	**1.8**		**3,200**	**0.081**	**22**
Landau 1990	**1990**	**DB2**	**9.5**	**Fluorene**	**1.7**		**3,200**	**0.081**	**21**
Hart Crowser 1990b	Aug-90	HC-106	3.5	Fluorene	1.7		3,200	1.6	1.1
Hart Crowser 1990b	**Aug-90**	**HC-103**	**10.8**	**Fluorene**	**1.5**		**3,200**	**0.081**	**19**
Landau 1990	**1990**	**DB6**	**16**	**Fluorene**	**0.92**		**3,200**	**0.081**	**11**
Landau 1990	**1990**	**DB7**	**11.5**	**Fluorene**	**0.88**		**3,200**	**0.081**	**11**
Landau 1990	1990	DB3	13.5	Fluorene	0.53		3,200	0.081	6.5
Landau 1990	1990	DB4	8.5	Fluorene	0.27	B	3,200	0.081	3.3
Landau 1990	1990	DB7	8.5	Fluorene	0.27		3,200	0.081	3.3
Landau 1990	1990	DB6	10	Fluorene	0.19		3,200	0.081	2.3
Landau 1990	1990	DB6	18.5	Fluorene	0.1		3,200	0.081	1.2
Landau 1990	**1990**	**DB11**	**8**	**Indeno(1,2,3-cd)pyrene**	**100**			**0.088**	**1,136**
Landau 1990	**1990**	**DB6**	**4.5**	**Indeno(1,2,3-cd)pyrene**	**37**			**1.8**	**21**
Landau 1990	**1990**	**DB3**	**3.5**	**Indeno(1,2,3-cd)pyrene**	**26**			**1.8**	**14**
Landau 1990	**1990**	**DB11**	**9.5**	**Indeno(1,2,3-cd)pyrene**	**20**			**0.088**	**227**
Landau 1990	1990	DB2	4.5	Indeno(1,2,3-cd)pyrene	14			1.8	7.8

Table 4
Chemicals Above Screening Levels in Soil
Crowley Marine Services

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Landau 1990	**1990**	**DB6**	**7**	**Indeno(1,2,3-cd)pyrene**	**7.2**			**0.088**	**82**
Hart Crowser 1990b	**Aug-90**	**HC-110**	**8.9**	**Indeno(1,2,3-cd)pyrene**	**6.0**			**0.088**	**68**
Landau 1990	**1990**	**DB2**	**7**	**Indeno(1,2,3-cd)pyrene**	**4.3**			**0.088**	**49**
Hart Crowser 1990b	Aug-90	HC-107	3.1	Indeno(1,2,3-cd)pyrene	3.8			1.8	2.1
Hart Crowser 1990b	Aug-90	HC-106	5.3	Indeno(1,2,3-cd)pyrene	3.8			1.8	2.1
Landau 1990	1990	DB5	2	Indeno(1,2,3-cd)pyrene	3.4			1.8	1.9
Landau 1990	1990	DB8	5	Indeno(1,2,3-cd)pyrene	2.9			1.8	1.6
Landau 1990	1990	DB4	6	Indeno(1,2,3-cd)pyrene	2.3			1.8	1.3
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Indeno(1,2,3-cd)pyrene**	**2.0**			**0.088**	**23**
Landau 1990	**1990**	**DB7**	**8.5**	**Indeno(1,2,3-cd)pyrene**	**0.88**			**0.088**	**10**
Landau 1990	1990	DB6	13	Indeno(1,2,3-cd)pyrene	0.82			0.088	9.3
Hart Crowser 1990b	Aug-90	HC-103	8.5	Indeno(1,2,3-cd)pyrene	0.64			0.088	7.3
Hart Crowser 1990b	Aug-90	HC-102	8.5	Indeno(1,2,3-cd)pyrene	0.58			0.088	6.6
Landau 1990	1990	DB7	11.5	Indeno(1,2,3-cd)pyrene	0.55			0.088	6.3
Landau 1990	1990	DB4	8.5	Indeno(1,2,3-cd)pyrene	0.53			0.088	6.0
Landau 1990	1990	DB2	9.5	Indeno(1,2,3-cd)pyrene	0.26			0.088	3.0
Landau 1990	1990	DB6	4.5	Lead	1,250		250	1,300	5.0
Landau 1990	**1990**	**DB7**	**11.5**	**Lead**	**712**		**250**	**67**	**11**
Landau 1990	1990	DB6	2	Lead	434		250	1,300	1.7
Landau 1990	1990	DB4	6	Lead	319		250	1,300	1.3
Landau 1990	1990	DB11	8	Lead	311		250	67	4.6
Landau 1990	1990	DB2	7	Lead	226		250	67	3.4
Landau 1990	1990	DB7	8.5	Lead	116		250	67	1.7
Landau 1990	**1990**	**DB6**	**4.5**	**Methylene Chloride**	**2**	**B**	**0.02**		**100**
Landau 1990	**1990**	**DB6**	**7**	**Methylene Chloride**	**0.53**	**B**	**0.02**		**27**
Landau 1990	1990	DB11	8	Methylene Chloride	0.066	JB	0.02		3.3
Landau 1990	1990	DB6	2	Methylene Chloride	0.053	B	0.02		2.7
Landau 1990	1990	DB11	9.5	Methylene Chloride	0.041	B	0.02		2.1
Landau 1990	1990	DB6	16	Methylene Chloride	0.036	B	0.02		1.8
Landau 1990	1990	DB6	18.5	Methylene Chloride	0.035	B	0.02		1.8
Landau 1990	**1990**	**DB11**	**8**	**Naphthalene**	**2,100**		**5**	**0.20**	**10,500**
Landau 1990	**1990**	**DB6**	**4.5**	**Naphthalene**	**1,600**	**B**	**5**	**3.8**	**421**
Landau 1990	**1990**	**DB11**	**9.5**	**Naphthalene**	**450**		**5**	**0.20**	**2250**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Naphthalene**	**210**		**5**	**0.20**	**1050**
Landau 1990	**1990**	**DB6**	**7**	**Naphthalene**	**130**	**B**	**5**	**0.20**	**650**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**8.5**	**Naphthalene**	**25**		**5**	**0.20**	**125**
Hart Crowser 1990b	Aug-90	HC-106	5.3	Naphthalene	20		5	3.8	5
Landau 1990	**1990**	**DB6**	**13**	**Naphthalene**	**14**		**5**	**0.20**	**70**
Landau 1990	**1990**	**DB2**	**7**	**Naphthalene**	**9**		**5**	**0.20**	**45**

Table 4
Chemicals Above Screening Levels in Soil
Crowley Marine Services

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Landau 1990	1990	DB6	2	Naphthalene	7.4		5	3.8	1.9
Hart Crowser 1990b	**Aug-90**	**HC-103**	**10.8**	**Naphthalene**	**5.1**		**5**	**0.20**	**26**
Landau 1990	**1990**	**DB2**	**9.5**	**Naphthalene**	**4.2**		**5**	**0.20**	**21**
Landau 1990	**1990**	**DB6**	**16**	**Naphthalene**	**3.2**		**5**	**0.20**	**16**
Hart Crowser 1990b	**Aug-90**	**HC-103 DUP**	**10.8**	**Naphthalene**	**2.8**		**5**	**0.20**	**14**
Landau 1990	**1990**	**DB3**	**13.5**	**Naphthalene**	**2.7**		**5**	**0.20**	**14**
Landau 1990	1990	DB5	2	Naphthalene	2.4		5	3.8	0.6
Landau 1990	**1990**	**DB3**	**17**	**Naphthalene**	**2**		**5**	**0.20**	**10**
Landau 1990	1990	DB7	11.5	Naphthalene	2		5	0.20	9.0
Landau 1990	1990	DB6	10	Naphthalene	0.49		5	0.20	2.5
Landau 1990	1990	DB6	7	Pentachlorophenol	0.28		8.3	0.037	7.6
Landau 1990	1990	DB7	11.5	Pentachlorophenol	0.21		8.3	0.037	5.7
Landau 1990	1990	DB2	7	Pentachlorophenol	0.19	J	8.3	0.037	5.1
Landau 1990	1990	DB7	8.5	Pentachlorophenol	0.18		8.3	0.037	4.9
Landau 1990	1990	DB2	7	Pentachlorophenol	0.12		8.3	0.037	3.2
Landau 1990	1990	DB6	18.5	Pentachlorophenol	0.042	J	8.3	0.037	1.1
Landau 1990	**1990**	**DB11**	**8**	**Phenanthrene**	**2,200**	**B**		**0.49**	**4,490**
Landau 1990	**1990**	**DB6**	**4.5**	**Phenanthrene**	**1,400**	**B**		**9.7**	**144**
Landau 1990	**1990**	**DB11**	**9.5**	**Phenanthrene**	**460**	**B**		**0.49**	**939**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Phenanthrene**	**360**			**0.49**	**735**
Landau 1990	**1990**	**DB6**	**7**	**Phenanthrene**	**160**	**B**		**0.49**	**327**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**8.5**	**Phenanthrene**	**88**			**0.49**	**180**
Hart Crowser 1990b	Aug-90	HC-106	5.3	Phenanthrene	61			9.7	6.3
Landau 1990	1990	DB5	2	Phenanthrene	33	B		9.7	3.4
Landau 1990	**1990**	**DB6**	**13**	**Phenanthrene**	**27**			**0.49**	**55**
Hart Crowser 1990b	**Aug-90**	**HC-110**	**8.9**	**Phenanthrene**	**23**			**0.49**	**47**
Landau 1990	1990	DB6	2	Phenanthrene	17	B		9.7	1.8
Landau 1990	1990	FSS2	0-0.5	Phenanthrene	17			9.7	1.8
Landau 1990	1990	DB4	6	Phenanthrene	16	B		9.7	1.6
Hart Crowser 1990b	Aug-90	HC-107	3.1	Phenanthrene	14			9.7	1.4
Landau 1990	**1990**	**DB3**	**17**	**Phenanthrene**	**7.6**			**0.49**	**16**
Landau 1990	**1990**	**DB2**	**7**	**Phenanthrene**	**6.5**	**B**		**0.49**	**13**
Landau 1990	**1990**	**DB2**	**9.5**	**Phenanthrene**	**5.6**			**0.49**	**11**
Hart Crowser 1990b	**Aug-90**	**HC-103 DUP**	**10.8**	**Phenanthrene**	**4.9**			**0.49**	**10**
Landau 1990	1990	DB12	11.5	Phenanthrene	4.8			0.49	9.8
Landau 1990	1990	DB7	11.5	Phenanthrene	4.4	B		0.49	9.0
Landau 1990	1990	DB4	8.5	Phenanthrene	3.5	B		0.49	7.1
Hart Crowser 1990b	Aug-90	HC-103	10.8	Phenanthrene	3.5			0.49	7.1
Landau 1990	1990	DB12	5	Phenanthrene	3.5			9.7	0.4

Table 4
Chemicals Above Screening Levels in Soil
Crowley Marine Services

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Landau 1990	1990	DB6	16	Phenanthrene	3.3			0.49	6.7
Landau 1990	1990	DB7	8.5	Phenanthrene	1.6	B		0.49	3.3
Hart Crowser 1990b	Aug-90	HC-106	7.5	Phenanthrene	1.2			0.49	2.4
Hart Crowser 1990b	Aug-90	HC-102	8.5	Phenanthrene	1.1			0.49	2.2
Landau 1990	1990	DB6	10	Phenanthrene	0.91			0.49	1.9
Landau 1990	1990	DB3	13.5	Phenanthrene	0.86			0.49	1.8
Landau 1990	1990	DB6	18.5	Phenanthrene	0.59			0.49	1.2
Landau 1990	1990	DB6	4.5	Phenol	4.3		48,000	2.1	2.0
Landau 1990	1990	DB6	7	Phenol	0.88		48,000	0.12	7.3
Landau 1990	**1990**	**DB11**	**8**	**Pyrene**	**840**	**B**	**2,400**	**1.4**	**600**
Landau 1990	**1990**	**DB6**	**4.5**	**Pyrene**	**470**	**B**	**2,400**	**28**	**17**
Landau 1990	**1990**	**DB11**	**9.5**	**Pyrene**	**250**	**B**	**2,400**	**1.4**	**179**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**9.8**	**Pyrene**	**86**		**2,400**	**1.4**	**61**
Landau 1990	**1990**	**DB6**	**7**	**Pyrene**	**48**	**B**	**2,400**	**1.4**	**34**
Hart Crowser 1990b	**Aug-90**	**HC-103**	**8.5**	**Pyrene**	**44**		**2,400**	**1.4**	**31**
Hart Crowser 1990b	Aug-90	HC-106	5.3	Pyrene	41		2,400	28	1.5
Hart Crowser 1990b	**Aug-90**	**HC-110**	**8.9**	**Pyrene**	**34**		**2,400**	**1.4**	**24**
Landau 1990	1990	DB5	2	Pyrene	32	B	2,400	28	1.1
Landau 1990	1990	DB6	13	Pyrene	8.7		2,400	1.4	6.2
Landau 1990	1990	DB2	7	Pyrene	4.8	B	2,400	1.4	3.4
Landau 1990	1990	DB4	8.5	Pyrene	4	B	2,400	1.4	2.9
Landau 1990	1990	DB2	9.5	Pyrene	3.4		2,400	1.4	2.4
Landau 1990	1990	DB7	11.5	Pyrene	3.2	B	2,400	1.4	2.3
Hart Crowser 1990b	Aug-90	HC-102	8.5	Pyrene	2.9		2,400	1.4	2.1
Landau 1990	1990	DB6	16	Pyrene	1.8		2,400	1.4	1.3
Landau 1990	1990	DB3	17	Pyrene	1.8		2,400	1.4	1.3
Landau 1990	1990	DB7	8.5	Pyrene	1.5	B	2,400	1.4	1.1
Landau 1990	**1990**	**FSS2**	**0-0.5**	**Total Petroleum Hydrocarbons**	**280,000**		**2,000**		**140**
Landau 1990	**1990**	**FSS3**	**0-0.5**	**Total Petroleum Hydrocarbons**	**130,000**		**2,000**		**65**
Landau 1990	**1990**	**DB11**	**8**	**Total Petroleum Hydrocarbons**	**29,000**		**2,000**		**15**
Landau 1990	1990	DB6	4.5	Total Petroleum Hydrocarbons	14,000		2,000		7.0
Landau 1990	1990	DB5	2	Total Petroleum Hydrocarbons	2,600		2,000		1.3
Landau 1990	1990	DB11	9.5	Total Petroleum Hydrocarbons	2,600		2,000		1.3
Landau 1990	1990	DB6	4.5	Zinc	4,180		24,000	770	5.4
Landau 1990	**1990**	**DB6**	**7**	**Zinc**	**3,220**		**24,000**	**38**	**85**
Landau 1990	**1990**	**DB7**	**11.5**	**Zinc**	**2,600**		**24,000**	**38**	**68**
Landau 1990	1990	DB6	2	Zinc	1,640		24,000	770	2.1
Landau 1990	**1990**	**DB2**	**7**	**Zinc**	**716**		**24,000**	**38**	**19**
Landau 1990	1990	DB7	8.5	Zinc	332		24,000	38	8.7

Table 4
Chemicals Above Screening Levels in Soil
Crowley Marine Services

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Landau 1990	1990	DB6	13	Zinc	132		24,000	38	3.5
Landau 1990	1990	DB4	8.5	Zinc	61.4		24,000	38	1.6
Landau 1990	1990	DB11	8	Zinc	50.3		24,000	38	1.3
Landau 1990	1990	DB6	16	Zinc	44.8		24,000	38	1.2
Landau 1990	1990	DB2	18	Zinc	42.2		24,000	38	1.1
Landau 1990	1990	DB1	9.5	Zinc	42.1		24,000	38	1.1
Landau 1990	1990	DB2	12	Zinc	40.9		24,000	38	1.1

a - The lower of MTCA Method A or B cleanup levels was selected, from CLARC database
b - From: SAIC 2006. Where two screening levels are listed for a single chemical, the higher screening levels are for soil samples collected from the vadose zone and the lower screening levels are for soil samples collected from the saturated zone.

DW - dry weight
CSL - Contaminant Screening Level from Washington Sediment Management Standards
NA - Not available

Notes:
(1) Table presents detected chemicals only.
(2) Exceedance factors are the ratio of the detected concentration to the MTCA Cleanup Level or Soil-to-Sediment Screening Value, whichever is lower. Only samples with exceedance factors greater than or equal to 1 are shown.
(3) Chemicals with exceedance factors greater than 10 are shown in **Bold**.

Table 5
Chemicals Above Screening Levels in Groundwater
Crowley Marine Services

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Landau 1990	1990	DMW-3	2-Methylnaphthalene	55		32	31	1.8
Landau 1990	**1990**	**DMW-3**	**Acenaphthene**	**120**		**960**	**9.3**	**13**
Landau 1990	1990	DMW-2	Acenaphthene	24		960	9.3	2.6
Hart Crowser 1989a	Nov-88	MW-1	Antimony	10		6.4		1.6
Hart Crowser 1989b	Nov-88	HC-1	Antimony	10		6.4		1.6
Hart Crowser 1989b	**Nov-88**	**HC-1**	**Arsenic**	**98**		**5**	**370**	**20**
Landau 1990	1990	DMW-6	Arsenic	9		5	370	1.8
Hart Crowser 1989b	Jun-89	HC-19	Arsenic	7		5	370	1.4
Landau 1990	1990	DMW-2	Arsenic	7		5	370	1.4
Landau 1990	1990	DMW-3	Arsenic	7		5	370	1.4
Hart Crowser 1989a	Nov-88	MW-1	Arsenic	6		5	370	1.2
Hart Crowser 1990b	9/4/1990	HC-1	Arsenic (dissolved)	25		5	370	5.0
Hart Crowser 1990b	9/4/1990	DMW-3	Arsenic (dissolved)	11		5	370	2.2
Hart Crowser 1990b	9/4/1990	DMW-6	Arsenic (dissolved)	10		5	370	2.0
Hart Crowser 1990b	9/4/1990	DMW-2	Arsenic (dissolved)	6		5	370	1.2
Hart Crowser 1990b	**9/4/1990**	**HC-1**	**Arsenic (total)**	**100**		**5**	**370**	**20**
Hart Crowser 1990b	9/4/1990	DMW-6	Arsenic (total)	18		5	370	3.6
Hart Crowser 1990b	9/4/1990	FMW-2	Arsenic (total)	7		5	370	1.4
Hart Crowser 1989a	**Nov-88**	**MW-1**	**Bis(2-ethylhexyl)phthalate**	**47**	**B**	**6.3**	**0.47**	**100**
Landau 1990	**1990**	**FMW-1**	**Bis(2-ethylhexyl)phthalate**	**29**	**B**	**6.3**	**0.47**	**62**
Landau 1990	**1990**	**DMW-3**	**Bis(2-ethylhexyl)phthalate**	**20**	**B**	**6.3**	**0.47**	**43**
Landau 1990	**1990**	**DMW-6**	**Bis(2-ethylhexyl)phthalate**	**19**	**B**	**6.3**	**0.47**	**40**
Landau 1990	**1990**	**FMW-3**	**Bis(2-ethylhexyl)phthalate**	**17**	**B**	**6.3**	**0.47**	**36**
Landau 1990	**1990**	**DMW-2**	**Bis(2-ethylhexyl)phthalate**	**12**	**B**	**6.3**	**0.47**	**26**
Landau 1990	**1990**	**FMW-2**	**Bis(2-ethylhexyl)phthalate**	**6.7**	**B**	**6.3**	**0.47**	**14**
Hart Crowser 1989a	**Nov-88**	**HC-2**	**Bis(2-ethylhexyl)phthalate**	**5**	**B**	**6.3**	**0.47**	**11**
Landau 1990	1990	DMW-3	Dibenzofuran	50		32	5.1	9.8
Landau 1990	1990	DMW-2	Dibenzofuran	6.7		32	5.1	1.3
Landau 1990	1990	DMW-3	Fluorene	58		640	7.0	8.3
Landau 1990	1990	DMW-2	Fluorene	10		640	7.0	1.4
Hart Crowser 1990b	9/4/1990	DMW-3	Naphthalene	250		160	92	2.7
Landau 1990	1990	DMW-3	Naphthalene	140		160	92	1.5
Landau 1990	1990	FMW-2	Pentachlorophenol	1.1	J	0.73	10	1.5
Landau 1990	1990	DMW-3	Phenanthrene	44			23	1.9

Table 5
Chemicals Above Screening Levels in Groundwater
Crowley Marine Services

a - The lower of MTCA Method A or B cleanup levels was selected, from CLARC database
b - From: SAIC 2006

DW - dry weight
CSL - Contaminant Screening Level from Washington Sediment Management Standards
NA - Not available

Notes:
(1) Table presents detected chemicals only.
(2) Exceedance factors are the ratio of the detected concentration to the MTCA Cleanup Level or Soil-to-Sediment Screening Value, whichever is lower. Only samples with exceedance factors greater than or equal to 1 are shown.
(3) Chemicals with exceedance factors greater than 10 are shown in **Bold**.

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Hart Crowser 1992b	**Apr-92**	**B-30**	**14.5-16**	**1,1,1-TCA**	**160**		**2**		**80**
Hart Crowser 1990b	**1990**	**PT-3**		**1,1,1-TCA**	**130**		**2**		**65**
Hart Crowser 1990b	**Oct-90**	**B-7/S-3**	**7.5**	**1,1,1-TCA**	**120**		**2**		**60**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**2.5**	**1,1,1-TCA**	**97**		**2**		**49**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**17**	**1,1,1-TCA**	**42**		**2**		**21**
Hart Crowser 1990b	Oct-90	SB4/S1	1.5	1,1,1-TCA	15		2		7.5
Hart Crowser 1993a	Jul-93	B-47	6	1,1,1-TCA	3		2		1.5
Hart Crowser 1992b	Apr-92	B-31	10.5-12	1,1,1-TCA	2		2		1.0
Hart Crowser 1993a	Jun-93	B-43 (DUP)	12	1,1,1-TCA	2		2		1.0
Hart Crowser 1992a	Jan-91	SB-10	2.5	1,1-DCE	8.9		1.7		5.2
Hart Crowser 1992a	**Jan-91**	**SB-10**	**17**	**1,2-Dichlorobenzene**	**18**		**15**	**0.0038**	**4,737**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**12.5**	**1,2-Dichlorobenzene**	**1.7**		**15**	**0.0038**	**447**
Ecology 1993a	**Jul-93**	**B-50**	**10**	**1,2-Dichlorobenzene**	**0.41**	**J**	**15**	**0.0038**	**108**
Ecology 1993a	**Jul-93**	**B-47**	**12**	**1,2-Dichlorobenzene**	**0.14**		**15**	**0.0038**	**37**
Ecology 1993a	**Jul-93**	**B-47**	**12**	**1,2-Dichlorobenzene**	**0.12**	**J**	**15**	**0.0038**	**32**
Ecology 1993d	**Jul-93**	**B-52**	**12**	**1,2-Dichlorobenzene**	**0.1**	**J**	**15**	**0.0038**	**26**
Hart Crowser 1992a	Jan-91	SB-11	13	1,2-Dichlorobenzene	0.035	J	15	0.0038	9.2
Ecology 1993d	Jul-93	B-52	12	1,2-Dichlorobenzene	0.032	J	15	0.0038	8.4
Ecology 1993b	Jun-93	278089		1,2-Dichlorobenzene	0.025	J	15	0.0038	6.6
Ecology 1993a	Jul-93	B-49	15	1,2-Dichlorobenzene	0.012	J	15	0.0038	3.2
Hart Crowser 1992a	**Jan-91**	**SB-10**	**17**	**1,4-Dichlorobenzene**	**5.9**		**42**	**0.015**	**393**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**12.5**	**1,4-Dichlorobenzene**	**0.71**		**42**	**0.015**	**47**
Ecology 1993a	**Jul-93**	**B-50**	**10**	**1,4-Dichlorobenzene**	**0.16**	**J**	**42**	**0.015**	**11**
Ecology 1993a	Jul-93	B-47	12	1,4-Dichlorobenzene	0.036	J	42	0.015	2.4
Ecology 1993a	**Jul-93**	**B-47**	**12**	**1,4-Dimethylbenzene**	**0.5**	**J**	**42**	**0.015**	**33**
Hart Crowser 1992b	**Apr-92**	**B-29 (surface fines)**	**0**	**2,4-Dimethylphenol**	**0.52**		**1,600**	**0.037**	**14**
Hart Crowser 1993a	**Aug-92**	**B-38**	**9-11**	**2-Methylnaphthalene**	**2.8**		**320**	**0.073**	**38**
Hart Crowser 1992a	Jan-91	SB-10	2.5	2-Methylnaphthalene	1.9		320	1.4	1.4
Hart Crowser 1992a	**Jan-91**	**SB-10**	**17**	**2-Methylnaphthalene**	**1.7**		**320**	**0.073**	**23**
Hart Crowser 1992b	**Apr-92**	**B-30**	**10-11.5**	**2-Methylnaphthalene**	**0.95**		**320**	**0.073**	**13**
Hart Crowser 1995	Jul-95	HC-GW-1		2-Methylnaphthalene	0.42		320	0.073	5.8
Hart Crowser 1992a	Jan-91	SB-10	12.5	2-Methylnaphthalene	0.3		320	0.073	4.1
Ecology 1993a	Jul-93	B-49	15	2-Methylnaphthalene	0.15	J	320	0.073	2.1
Ecology 1993a	Jul-93	B-50	10	2-Methylnaphthalene	0.13	J	320	0.073	1.8
Hart Crowser 1992a	Jan-91	SB-11	7.5	2-Methylnaphthalene	0.12		320	0.073	1.6
Hart Crowser 1992b	Apr-92	B-30 (surface fines)	0	4-Methylphenol	1.3			0.98	1.3
Hart Crowser 1992a	Jan-91	B-15	17	4-Methylphenol	0.3			0.056	5.4
Ecology 1993a	Jul-93	B-47	12	4-Methylphenol	0.11	J		0.056	2.0
Hart Crowser 1992a	Jan-91	SB-11	7.5	Acenaphthalene	0.14			0.069	2.0

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Hart Crowser 1992b	Apr-92	B-28 (surface fines)	0	Arsenic	51		20	12,000	2.6
Hart Crowser 1992b	Apr-92	B-28 (surface total)	0	Arsenic	43		20	12,000	2.2
Hart Crowser 1990b	**1990**	**25-S**		**Benzene**	**12**		**0.03**		**400**
Hart Crowser 1992b	**Apr-92**	**B-30**	**14.5-16**	**Benzene**	**12**		**0.03**		**400**
Hart Crowser 1990b	**1990**	**PT-2**		**Benzene**	**3.6**		**0.03**		**120**
Hart Crowser 1990b	**1990**	**PT-3**		**Benzene**	**3**		**0.03**		**100**
Hart Crowser 1990a	May-90	B2-S3	10	Benzene	0.17		0.03		5.7
Hart Crowser 1992a	Jan-91	SB-12	13	Benzene	0.15		0.03		5.0
TV-F&S 2000a	Jul-99	TW-1	11.0	Benzene	0.14		0.03		4.7
Hart Crowser 1992b	Apr-92	B-29	13.5-15	Benzene	0.068		0.03		2.3
Hart Crowser 1992b	**Mar-92**	**B-22**	**1.5-3**	**Benzo(a)pyrene**	**1**		**0.1**	**4.2**	**10**
Hart Crowser 1992b	Apr-92	B-28 (surface fines)	0	Benzo(a)pyrene	0.59		0.1	4.2	5.9
Hart Crowser 1992b	Apr-92	B-28 (surface total)	0	Benzo(a)pyrene	0.51		0.1	4.2	5.1
Hart Crowser 1992a	Oct-91	Comp F	0-1	Benzo(a)pyrene	0.13	J	0.1	4.2	1.3
Hart Crowser 1992a	**Jan-91**	**SB-10**	**2.5**	**Bis(2-Ethylhexyl)Phthalate**	**140**	**B**	**71**	**1.6**	**88**
Hart Crowser 1992b	**Mar-92**	**B-24**	**7.5-9**	**Bis(2-Ethylhexyl)Phthalate**	**110**		**71**	**0.078**	**1,410**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**17**	**Bis(2-Ethylhexyl)Phthalate**	**71**	**B**	**71**	**0.078**	**910**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**12.5**	**Bis(2-Ethylhexyl)Phthalate**	**25**	**B**	**71**	**0.078**	**321**
Hart Crowser 1995	**Jul-95**	**HC-GW-1**		**Bis(2-Ethylhexyl)Phthalate**	**13**		**71**	**0.078**	**167**
Hart Crowser 1992a	**Jan-91**	**SB-11**	**7.5**	**Bis(2-Ethylhexyl)Phthalate**	**11**	**B**	**71**	**0.078**	**141**
Hart Crowser 1992b	**Apr-92**	**B-30**	**14.5-16**	**Bis(2-Ethylhexyl)Phthalate**	**10**		**71**	**0.078**	**128**
Hart Crowser 1992b	**Apr-92**	**B-30**	**10-11.5**	**Bis(2-Ethylhexyl)Phthalate**	**6.6**		**71**	**0.078**	**85**
Hart Crowser 1992b	Apr-92	B-30 (surface fines)	0	Bis(2-Ethylhexyl)Phthalate	6.4		71	1.6	4.0
Hart Crowser 1992b	**Apr-92**	**B-30 (DUP)**	**10-11.5**	**Bis(2-Ethylhexyl)Phthalate**	**6.2**		**71**	**0.078**	**79**
Hart Crowser 1992b	Apr-92	B-30 (surface total)	0	Bis(2-Ethylhexyl)Phthalate	2.5		71	1.6	1.6
Ecology 1993a	**Jul-93**	**B-50**	**10**	**Bis(2-Ethylhexyl)Phthalate**	**1.3**		**71**	**0.078**	**17**
Ecology 1993b	Jun-93	278086		Bis(2-Ethylhexyl)Phthalate	0.54		71	0.078	6.9
ATI 1991a	Aug-91	B-16/S2	10	Bis(2-Ethylhexyl)Phthalate	0.35		71	0.078	4.5
Ecology 1993b	Jun-93	278087		Bis(2-Ethylhexyl)Phthalate	0.34	J	71	0.078	4.4
Hart Crowser 1992b	Apr-92	B-31	10.5-12	Bis(2-Ethylhexyl)Phthalate	0.31		71	0.078	4.0
Hart Crowser 1992a	Jan-91	SB-12	13	Bis(2-Ethylhexyl)Phthalate	0.2	B	71	0.078	2.6
Hart Crowser 1992a	Oct-91	G-3	7.5	Bis(2-Ethylhexyl)Phthalate	0.18		71	0.078	2.3
Ecology 1993b	Jun-93	278088		Bis(2-Ethylhexyl)Phthalate	0.15	J	71	0.078	1.9
Ecology 1993a	Jul-93	B-49	15	Bis(2-Ethylhexyl)Phthalate	0.12	J	71	0.078	1.5
Hart Crowser 1993a	Aug-92	B-37	2-4	Butylbenzylphthalate	6.9		16,000	1.3	5.3
Hart Crowser 1992a	Jan-91	SB-10	2.5	Butylbenzylphthalate	4.1		16,000	1.3	3.2
Hart Crowser 1992a	**Jan-91**	**SB-10**	**17**	**Butylbenzylphthalate**	**1.3**		**16,000**	**0.066**	**20**
Hart Crowser 1992a	Jan-91	SB-10	12.5	Butylbenzylphthalate	0.42		16,000	0.066	6.4
Hart Crowser 1992a	Jan-91	SB-10	2.5	Cadmium	4.3		2	34	2.2

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Hart Crowser 1992a	Jan-91	B-15	17	Cadmium	3.2		2	1.7	1.9
Hart Crowser 1992a	Jan-91	B-15	2.5	Cadmium	2.6		2	34	1.3
Hart Crowser 1992b	Apr-92	B-28 (surface total)	0	Cadmium	2.3		2	34	1.2
Hart Crowser 1992a	Jan-91	SB-12	13	Cadmium	2.3		2	1.7	1.4
Hart Crowser 1992a	Jan-91	SB-11	13	Cadmium	2		2	1.7	1.2
Ecology 1991a	Aug-91	B-16	13.5	Chromium	57.7		19	270	3.0
Hart Crowser 1992b	Apr-92	B-31 (surface total)	0	Chromium	42		19	5,400	2.2
Hart Crowser 1992b	Apr-92	B-29 (surface fines)	0	Chromium	25		19	5,400	1.3
Ecology 1991a	Aug-91	B-16	15	Chromium	21.0		19	270	1.1
Hart Crowser 1992a	Jan-91	B-15	17	Chromium	20		19	270	1.1
Hart Crowser 1995	Jul-95	HC-GW-1		Dibenzofuran	0.22		160	0.059	3.7
Ecology 1993a	Jul-93	B-50	6	Dibenzofuran	0.19	J	160	0.059	3.2
Ecology 1993a	Jul-93	B-50	10	Dibenzofuran	0.17	J	160	0.059	2.9
Ecology 1993a	Jul-93	B-49	15	Dibenzofuran	0.14	J	160	0.059	2.4
Hart Crowser 1992b	Mar-92	B-24	7.5-9	Diesel-Range Hydrocarbons	2,400		2,000		1.2
Hart Crowser 1992a	Jan-91	SB-10	2.5	Di-n-butyl phthalate	200	B	8,000	39	5.1
Hart Crowser 1992a	**Jan-91**	**SB-10**	**17**	**Di-n-butyl phthalate**	**110**	**B**	**8,000**	**2.0**	**55**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**12.5**	**Di-n-butyl phthalate**	**40**	**B**	**8,000**	**2.0**	**20**
Hart Crowser 1992b	**Apr-92**	**B-30**	**10-11.5**	**Di-n-butyl phthalate**	**22**		**8,000**	**2.0**	**11**
Hart Crowser 1992b	**Apr-92**	**B-30 (DUP)**	**10-11.5**	**Di-n-butyl phthalate**	**22**		**8,000**	**2.0**	**11**
Hart Crowser 1992a	Jan-91	SB-11	7.5	Di-n-butyl phthalate	16	B	8,000	2.0	8.0
Hart Crowser 1992b	Apr-92	B-30	14.5-16	Di-n-butyl phthalate	15		8,000	2.0	7.5
Hart Crowser 1995	Jul-95	HC-GW-1		Di-n-butyl phthalate	7.8		8,000	2.0	3.9
Ecology 1993a	Jul-93	B-50	10	Di-n-butyl phthalate	5.9		8,000	2.0	3.0
Hart Crowser 1992a	**Jan-91**	**SB-10**	**17**	**Ethylbenzene**	**470**		**6**		**78**
Hart Crowser 1990b	**1990**	**PT-3**		**Ethylbenzene**	**180**		**6**		**30**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**2.5**	**Ethylbenzene**	**140**		**6**		**23**
Hart Crowser 1990b	**1990**	**25-S**		**Ethylbenzene**	**100**		**6**		**17**
Hart Crowser 1992b	**Apr-92**	**B-30**	**14.5-16**	**Ethylbenzene**	**100**		**6**		**17**
Hart Crowser 1990b	**Oct-90**	**B-7/S-3**	**7.5**	**Ethylbenzene**	**90**		**6**		**15**
Hart Crowser 1990b	**1990**	**25-S**		**Ethylbenzene**	**71**		**6**		**12**
Hart Crowser 1990b	1990	PT-1		Ethylbenzene	41		6		6.8
Hart Crowser 1990b	1990	PT-5		Ethylbenzene	39		6		6.5
Hart Crowser 1992b	Apr-92	B-30	10-11.5	Ethylbenzene	34		6		5.7
Hart Crowser 1992b	Apr-92	B-30 (DUP)	10-11.5	Ethylbenzene	28		6		4.7
Hart Crowser 1990b	Oct-90	SB4/S1	1.5	Ethylbenzene	26		6		4.3
Hart Crowser 1990a	May-90	B2-S3	10	Ethylbenzene	25		6		4.2
Hart Crowser 1990b	1990	PT-4		Ethylbenzene	25		6		4.2
Hart Crowser 1990a	May-90	B2-S3	10	Ethylbenzene	23		6		3.8

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Hart Crowser 1990b	1990	21-C		Ethylbenzene	14		6		2.3
Hart Crowser 1990b	1990	PT-2		Ethylbenzene	13		6		2.2
Hart Crowser 1995	Jul-95	HC-GW-1		Fluorene	0.36		3,200	0.081	4.4
Ecology 1993a	Jul-93	B-49	15	Fluorene	0.23	J	3,200	0.081	2.8
Ecology 1993a	Jul-93	B-50	10	Fluorene	0.18	J	3,200	0.081	2.2
Hart Crowser 1990a	**May-90**	**B2-S3**	**10**	**Gasoline-Range Hydrocarbons**	**6,500**		**30**		**217**
Hart Crowser 1992b	**Apr-92**	**B-30 (DUP)**	**10-11.5**	**Gasoline-Range Hydrocarbons**	**4,200**		**30**		**140**
Hart Crowser 1992b	**Apr-92**	**B-30**	**10-11.5**	**Gasoline-Range Hydrocarbons**	**3,200**		**30**		**107**
Hart Crowser 1992b	**Apr-92**	**B-30 (surface total)**	**0**	**Gasoline-Range Hydrocarbons**	**2,600**		**30**		**87**
Hart Crowser 1990a	**May-90**	**B3-S3**	**10**	**Gasoline-Range Hydrocarbons**	**2,600**		**30**		**87**
Hart Crowser 1992b	**Apr-92**	**B-30 (surface fines)**	**0**	**Gasoline-Range Hydrocarbons**	**1,600**		**30**		**53**
Hart Crowser 1993a	**Aug-92**	**B-37**	**2-4**	**Gasoline-Range Hydrocarbons**	**1,429**		**30**		**48**
Hart Crowser 1992b	**Apr-92**	**B-30**	**14.5-16**	**Gasoline-Range Hydrocarbons**	**1,400**		**30**		**47**
Hart Crowser 1992b	**Apr-92**	**B-31 (surface total)**	**0**	**Gasoline-Range Hydrocarbons**	**490**		**30**		**16**
ATI 1991a	Aug-91	B-16/S2	10	Gasoline-Range Hydrocarbons	150		30		5.0
Hart Crowser 1992b	Apr-92	B-30	4-5.5	Gasoline-Range Hydrocarbons	46		30		1.5
Hart Crowser 1992b	Apr-92	B-29 (surface total)	0	Gasoline-Range Hydrocarbons	32		30		1.1
Hart Crowser 1992b	Apr-92	B-29 (surface fines)	0	Gasoline-Range Hydrocarbons	30		30		1.0
Hart Crowser 1992b	Mar-92	B-24	7.5-9	Heavy Oil-Range Hydrocarbons	11,000		2,000		5.5
Hart Crowser 1992b	Apr-92	B-30 (surface fines)	0	Heavy Oil-Range Hydrocarbons	4,000		2,000		2.0
Hart Crowser 1992b	Apr-92	B-30 (surface total)	0	Heavy Oil-Range Hydrocarbons	3,400		2,000		1.7
Hart Crowser 1993a	Aug-92	B-32	0-3	Heavy Oil-Range Hydrocarbons	2,894		2,000		1.4
Hart Crowser 1992b	Apr-92	B-30 (DUP)	10-11.5	Heavy Oil-Range Hydrocarbons	2,600		2,000		1.3
Hart Crowser 1992b	Apr-92	B-28 (surface total)	0	Lead	500		250	1,300	2.0
Hart Crowser 1992b	Apr-92	B-28 (surface fines)	0	Lead	320		250	1,300	1.3
ATI 1991a	**Aug-91**	**B-16/S2**	**10**	**Mercury**	**8.8**		**2**	**0.030**	**293**
Hart Crowser 1992a	Jan-91	SB-10	2.5	Mercury	0.9		2	0.59	1.5
Hart Crowser 1992b	Apr-92	B-31 (surface total)	0	Mercury	0.62		2	0.59	1.1
Hart Crowser 1992a	Jan-91	SB-11	13	Mercury	0.2		2	0.030	6.7
Hart Crowser 1992b	Apr-92	B-23	47.5-49	Mercury	0.14		2	0.030	4.7
Hart Crowser 1992a	Jan-91	B-15	12.5	Mercury	0.1		2	0.030	3.3
Hart Crowser 1992a	Jan-91	B-15	17	Mercury	0.1		2	0.030	3.3
Hart Crowser 1992a	Jan-91	SB-10	12.5	Mercury	0.1		2	0.030	3.3
Ecology 1991a	Aug-91	B-16	15	Mercury	0.0391		2	0.030	1.3
Hart Crowser 1990b	**1990**	**SB3/S2**		**Methylene Chloride**	**780**	**B**	**0.02**		**39,000**
Hart Crowser 1990b	**Oct-90**	**SB5/S3**	**12.5**	**Methylene Chloride**	**270**		**0.02**		**13,500**
Hart Crowser 1990a	**May-90**	**B2-S3**	**10**	**Methylene Chloride**	**80**	**B**	**0.02**		**4,000**
Hart Crowser 1990a	**May-90**	**B3-S3**	**10**	**Methylene Chloride**	**38**	**B**	**0.02**		**1,900**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**2.5**	**Methylene Chloride**	**34**	**B**	**0.02**		**1,700**

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Hart Crowser 1992a	Jan-91	SB-10	17	Methylene Chloride	22		0.02		1,100
Hart Crowser 1990b	1990	25-S		Methylene Chloride	13		0.02		650
Hart Crowser 1992b	Apr-92	B-30	14.5-16	Methylene Chloride	11	B	0.02		550
Hart Crowser 1990b	1990	PT-3		Methylene Chloride	5.6		0.02		280
Hart Crowser 1992a	Jan-91	B-15	2.5	Methylene Chloride	4.2	B	0.02		210
Hart Crowser 1992b	Apr-92	B-30 (DUP)	10-11.5	Methylene Chloride	2.8	JB	0.02		140
Hart Crowser 1992b	Apr-92	B-30	10-11.5	Methylene Chloride	2.4	JB	0.02		120
ATI 1991a	Aug-91	B-16/S7	16	Methylene Chloride	2.3	B	0.02		115
Hart Crowser 1992b	Apr-92	B-30	4-5.5	Methylene Chloride	2.3	B	0.02		115
Hart Crowser 1992b	Apr-92	B-31	10.5-12	Methylene Chloride	2.3	B	0.02		115
ATI 1991a	Aug-91	B-16/S7	16	Methylene Chloride	2.2	B	0.02		110
Hart Crowser 1993a	Jun-93	B-43 (DUP)	12	Methylene Chloride	1.7		0.02		85
Hart Crowser 1992a	Oct-91	Comp E	0-1	Methylene Chloride	1.7	B	0.02		85
Hart Crowser 1993a	Jun-93	B-43	12	Methylene Chloride	1.6		0.02		80
ATI 1991a	Aug-91	B-16/S2	10	Methylene Chloride	1.4	B	0.02		70
ATI 1991a	Aug-91	B-17/S12	46	Methylene Chloride	1.4	B	0.02		70
Hart Crowser 1992a	Oct-91	Comp F	0-1	Methylene Chloride	1.3	B	0.02		65
ATI 1991a	Aug-91	B-17/S1	18	Methylene Chloride	1.2	B	0.02		60
ATI 1991a	Aug-91	B-17/S7	39	Methylene Chloride	1.2	B	0.02		60
Hart Crowser 1990b	1990	PT-4		Methylene Chloride	1.2		0.02		60
Hart Crowser 1992a	Oct-91	Comp B	0-1	Methylene Chloride	1.1	B	0.02		55
Hart Crowser 1992a	Oct-91	Comp D	0-1	Methylene Chloride	1.1	B	0.02		55
Hart Crowser 1993a	Jun-93	B-44	14	Methylene Chloride	1		0.02		50
Hart Crowser 1992a	Oct-91	Comp A	0-1	Methylene Chloride	1.0	B	0.02		50
Hart Crowser 1992a	Oct-91	Comp C	0-1	Methylene Chloride	1.0	B	0.02		50
Hart Crowser 1992b	Mar-92	B-24 (DUP)	10.5-12	Methylene Chloride	0.96	B	0.02		48
Hart Crowser 1990b	1990	PT-5		Methylene Chloride	0.960		0.02		48
Hart Crowser 1992a	Jan-91	SB-11	13	Methylene Chloride	0.96		0.02		48
Hart Crowser 1992b	Mar-92	B-28	13.5-15	Methylene Chloride	0.93	B	0.02		47
ATI 1991a	Aug-91	B-17/S6	37	Methylene Chloride	0.91	B	0.02		46
ATI 1991a	Aug-91	B-17/S2	22	Methylene Chloride	0.89	B	0.02		45
Hart Crowser 1992b	Mar-92	B-28	7.5-9	Methylene Chloride	0.82	B	0.02		41
Hart Crowser 1992a	Oct-91	G-3	7.5	Methylene Chloride	0.81	B	0.02		41
Hart Crowser 1992a	Oct-91	H-1	2.5	Methylene Chloride	0.80	B	0.02		40
Hart Crowser 1992b	Mar-92	B-24	7.5-9	Methylene Chloride	0.71	B	0.02		36
Hart Crowser 1992a	Oct-91	G-2	5	Methylene Chloride	0.71	B	0.02		36
Hart Crowser 1992b	Mar-92	B-28	4.5-6	Methylene Chloride	0.66	B	0.02		33
Hart Crowser 1992a	Oct-91	G-1	2.5	Methylene Chloride	0.66	B	0.02		33
Hart Crowser 1992b	Mar-92	B-24	3-4.5	Methylene Chloride	0.61	B	0.02		31

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Hart Crowser 1992a	**Oct-91**	**H-2**	**5**	**Methylene Chloride**	**0.55**	**B**	**0.02**		**28**
Hart Crowser 1993a	**Jul-93**	**B-47**	**6**	**Methylene Chloride**	**0.5**		**0.02**		**25**
Hart Crowser 1992b	**Mar-92**	**B-22**	**6-7.5**	**Methylene Chloride**	**0.49**	**B**	**0.02**		**25**
Hart Crowser 1992b	**Mar-92**	**B-26**	**3-4.5**	**Methylene Chloride**	**0.49**	**B**	**0.02**		**25**
Hart Crowser 1992b	**Mar-92**	**B-26 (DUP)**	**12-13.5**	**Methylene Chloride**	**0.47**	**B**	**0.02**		**24**
Hart Crowser 1992b	**Mar-92**	**B-18**	**15-16.5**	**Methylene Chloride**	**0.46**	**B**	**0.02**		**23**
Hart Crowser 1992b	**Mar-92**	**B-20**	**12-13.5**	**Methylene Chloride**	**0.45**	**B**	**0.02**		**23**
Hart Crowser 1992b	**Mar-92**	**B-22**	**1.5-3**	**Methylene Chloride**	**0.43**	**B**	**0.02**		**22**
Hart Crowser 1992b	**Mar-92**	**B-22 (DUP)**	**10.5-12**	**Methylene Chloride**	**0.42**	**B**	**0.02**		**21**
Hart Crowser 1992a	**Oct-91**	**H-3**	**7.5**	**Methylene Chloride**	**0.39**	**B**	**0.02**		**20**
Hart Crowser 1992b	**Mar-92**	**B-18**	**7.5-9**	**Methylene Chloride**	**0.38**	**B**	**0.02**		**19**
Hart Crowser 1992b	**Mar-92**	**B-20**	**7.5-9**	**Methylene Chloride**	**0.38**	**B**	**0.02**		**19**
Hart Crowser 1992b	**Mar-92**	**B-26**	**6-7.5**	**Methylene Chloride**	**0.37**	**B**	**0.02**		**19**
Hart Crowser 1992b	**Mar-92**	**B-26 (DUP)**	**6-7.5**	**Methylene Chloride**	**0.37**	**B**	**0.02**		**19**
Hart Crowser 1992a	**Jan-91**	**SB-11**	**2.5**	**Methylene Chloride**	**0.35**		**0.02**		**18**
Hart Crowser 1992b	**Apr-92**	**B-31**	**1.5-3**	**Methylene Chloride**	**0.31**	**JB**	**0.02**		**16**
Hart Crowser 1992b	**Apr-92**	**B-21 (DUP)**	**48-49.5**	**Methylene Chloride**	**0.29**	**JB**	**0.02**		**15**
Hart Crowser 1992b	**Apr-92**	**B-29**	**13.5-15**	**Methylene Chloride**	**0.29**	**JB**	**0.02**		**15**
Hart Crowser 1992b	**Mar-92**	**B-25**	**28-29.5**	**Methylene Chloride**	**0.28**	**JB**	**0.02**		**14**
Hart Crowser 1992b	**Apr-92**	**B-21**	**48-49.5**	**Methylene Chloride**	**0.27**	**JB**	**0.02**		**14**
Hart Crowser 1992b	**Apr-92**	**B-29**	**9-10.5**	**Methylene Chloride**	**0.26**	**JB**	**0.02**		**13**
Ecology 1993a	**Jul-93**	**B-48**	**12**	**Methylene Chloride**	**0.25**		**0.02**		**13**
Hart Crowser 1992b	**Apr-92**	**B-31**	**7.5-9**	**Methylene Chloride**	**0.24**	**JB**	**0.02**		**12**
Hart Crowser 1992b	Mar-92	B-20	3-4.5	Methylene Chloride	0.19	JB	0.02		9.5
Hart Crowser 1990a	May-90	B2-S3	10	Methylene Chloride	0.19	B	0.02		9.5
Hart Crowser 1992b	Mar-92	B-18	3-4.5	Methylene Chloride	0.17	JB	0.02		8.5
Ecology 1993a	Jul-93	B-47	12	Methylene Chloride	0.16		0.02		8.0
Hart Crowser 1992a	Jan-91	SB-12	13	Methylene Chloride	0.13		0.02		6.5
Ecology 1993a	Jul-93	B-49	15	Methylene Chloride	0.11		0.02		5.5
Hart Crowser 1990b	Sep-90	B-8/S-7	18	Methylene Chloride	0.11		0.02		5.5
Ecology 1993b	Jun-93	278089		Methylene Chloride	0.085		0.02		4.3
Hart Crowser 1992a	Jan-91	SB-12	2.5	Methylene Chloride	0.055		0.02		2.8
Hart Crowser 1992a	Jan-91	SB-10	2.5	Naphthalene	5.9		5	3.8	1.6
Hart Crowser 1992a	**Jan-91**	**SB-10**	**17**	**Naphthalene**	**4.6**		**5**	**0.20**	**23**
Hart Crowser 1993a	**Aug-92**	**B-38**	**9-11**	**Naphthalene**	**2.4**		**5**	**0.20**	**12**
Hart Crowser 1995	Jul-95	HC-GW-1		Naphthalene	1.3		5	0.20	6.5
Hart Crowser 1992b	Apr-92	B-30	10-11.5	Naphthalene	1.1		5	0.20	5.5
Hart Crowser 1992b	Apr-92	B-30 (DUP)	10-11.5	Naphthalene	0.97		5	0.20	4.9
Hart Crowser 1992a	Jan-91	SB-10	12.5	Naphthalene	0.86		5	0.20	4.3

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Ecology 1993a	Jul-93	B-49	15	Naphthalene	0.6		5	0.20	3.0
Hart Crowser 1992a	Jan-91	SB-11	7.5	Naphthalene	0.24		5	0.20	1.2
Hart Crowser 1990b	**1990**	**PT-1**		**PCE**	**19,000**		**0.05**		**380,000**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**2.5**	**PCE**	**18,000**		**0.05**		**360,000**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**17**	**PCE**	**15,000**		**0.05**		**300,000**
Hart Crowser 1992b	**Apr-92**	**B-30**	**14.5-16**	**PCE**	**13,000**		**0.05**		**260,000**
Hart Crowser 1990b	**1990**	**25-S**		**PCE**	**11,000**		**0.05**		**220,000**
Hart Crowser 1990b	**1990**	**25-S**		**PCE**	**6,000**		**0.05**		**120,000**
Hart Crowser 1990b	**1990**	**PT-3**		**PCE**	**5,900**		**0.05**		**118,000**
Hart Crowser 1990b	**1990**	**PT-2**		**PCE**	**4,400**		**0.05**		**88,000**
Hart Crowser 1992b	**Apr-92**	**B-30**	**10-11.5**	**PCE**	**3,000**		**0.05**		**60,000**
Hart Crowser 1992b	**Apr-92**	**B-30 (DUP)**	**10-11.5**	**PCE**	**2,700**		**0.05**		**54,000**
Hart Crowser 1990a	**May-90**	**B3-S3**	**10**	**PCE**	**2,600**		**0.05**		**52,000**
Hart Crowser 1990b	**1990**	**PT-1**		**PCE**	**2,500**		**0.05**		**50,000**
Hart Crowser 1990b	**1990**	**PT-4**		**PCE**	**2,300**		**0.05**		**46,000**
Hart Crowser 1990a	**May-90**	**B2-S3**	**10**	**PCE**	**1,900**		**0.05**		**38,000**
Hart Crowser 1990b	**Oct-90**	**B-7/S-3**	**7.5**	**PCE**	**1,500**		**0.05**		**30,000**
Hart Crowser 1990b	**1990**	**SP-2**		**PCE**	**1,200**		**0.05**		**24,000**
Ecology 1993a	**Jul-93**	**B-50**	**10**	**PCE**	**1,100**		**0.05**		**22,000**
Hart Crowser 1990b	**1990**	**PT-5**		**PCE**	**930**		**0.05**		**18,600**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**12.5**	**PCE**	**900**		**0.05**		**18,000**
Hart Crowser 1990b	**Oct-90**	**SB4/S1**	**1.5**	**PCE**	**900**		**0.05**		**18,000**
Hart Crowser 1993a	**Jul-93**	**B-47**	**6**	**PCE**	**320**		**0.05**		**6,400**
Ecology 1993a	**Jul-93**	**B-50**	**6**	**PCE**	**310**		**0.05**		**6,200**
Hart Crowser 1992a	**Jan-91**	**B-15**	**2.5**	**PCE**	**300**		**0.05**		**6,000**
Hart Crowser 1990b	**Oct-90**	**SB7/S3**	**12.5**	**PCE**	**220**		**0.05**		**4,400**
Hart Crowser 1995	**Jul-95**	**HC-GW-1 (DUP)**		**PCE**	**210**		**0.05**		**4,200**
Hart Crowser 1995	**Jul-95**	**HC-GW-1**		**PCE**	**200**		**0.05**		**4,000**
Hart Crowser 1990b	**1990**	**21-C**		**PCE**	**170**		**0.05**		**3,400**
Hart Crowser 1990b	**Oct-90**	**B-12/S-1**	**2.5**	**PCE**	**160**		**0.05**		**3,200**
Hart Crowser 1990b	**Oct-90**	**B-7/S-7B**		**PCE**	**110**		**0.05**		**2,200**
Hart Crowser 1992b	**Apr-92**	**B-31**	**10.5-12**	**PCE**	**71**		**0.05**		**1,420**
Hart Crowser 1990b	**Oct-90**	**B-11/S-4**	**10**	**PCE**	**50**		**0.05**		**1,000**
Hart Crowser 1990b	**Oct-90**	**SB5/S3**	**12.5**	**PCE**	**44**		**0.05**		**880**
Ecology 1993a	**Jul-93**	**B-47**	**12**	**PCE**	**32**		**0.05**		**640**
Hart Crowser 1993a	**Jun-93**	**B-43**	**12**	**PCE**	**23**		**0.05**		**460**
Hart Crowser 1993a	**Jun-93**	**B-43 (DUP)**	**12**	**PCE**	**23**		**0.05**		**460**
Hart Crowser 1992b	**Apr-92**	**B-30**	**4-5.5**	**PCE**	**21**		**0.05**		**420**
Hart Crowser 1990b	**1990**	**SB1/S3**		**PCE**	**19.2**		**0.05**		**384**

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Hart Crowser 1993a	Jul-93	B-52	6	PCE	19		0.05		380
TV-F&S 2000a	Feb-99	B-56	8.5	PCE	18.00		0.05		360
Hart Crowser 1993a	Jun-93	B-43	10	PCE	17		0.05		340
Hart Crowser 1993a	Aug-92	B-32	0-3	PCE	16		0.05		320
Hart Crowser 1990b	1990	17/18-C		PCE	13		0.05		260
Hart Crowser 1990b	Sep-90	B-9/S-6	15	PCE	8.4		0.05		168
TV-F&S 2000a	Jul-99	TW-6	12.0	PCE	8.40		0.05		168
Hart Crowser 1992a	Jan-91	SB-11	13	PCE	7.7		0.05		154
Hart Crowser 1993a	Jun-93	B-44	14	PCE	6.9		0.05		138
Ecology 1993a	Jul-93	B-49	15	PCE	5.3		0.05		106
Hart Crowser 1993a	Jul-93	B-51	12	PCE	5.2		0.05		104
TV-F&S 2000a	Feb-99	B-56	6.0	PCE	5.20		0.05		104
Hart Crowser 1992a	Jan-91	SB-11	2.5	PCE	5		0.05		100
ATI 1991a	Aug-91	B-16/S2	10	PCE	4.5		0.05		90
Hart Crowser 1993a	Jun-93	B-46	10	PCE	4.5		0.05		90
Ecology 1993a	Jul-93	B-49 (DUP)	15	PCE	4.1		0.05		82
Hart Crowser 1990b	1990	SP-4		PCE	4.1		0.05		82
Hart Crowser 1993a	Jul-93	B-49	12	PCE	3.8		0.05		76
Hart Crowser 1993a	Jul-93	B-52	12	PCE	3.8		0.05		76
Hart Crowser 1993a	Jul-93	B-52 (DUP)	12	PCE	3.6		0.05		72
Ecology 1993a	Jul-93	B-50	10	PCE	3.2	J	0.05		64
Hart Crowser 1993a	Jul-93	B-50	11	PCE	2.5		0.05		50
Hart Crowser 1993a	Jul-93	B-50	12	PCE	2.5		0.05		50
Hart Crowser 1992b	Mar-92	B-22 (DUP)	10.5-12	PCE	1.9		0.05		38
Hart Crowser 1993a	Aug-92	B-32	7-9	PCE	1.7		0.05		34
Hart Crowser 1992a	Jan-91	SB-11	7.5	PCE	1.7		0.05		34
TV-F&S 2001a	Jul-00	NW-11	6.5	PCE	1.60	J	0.05		32
Hart Crowser 1993a	Jun-93	B-45	14	PCE	1.5		0.05		30
Hart Crowser 1993a	Jun-93	B-45 (DUP)	14	PCE	1.5		0.05		30
Hart Crowser 1990b	Oct-90	B-10A/S-1	7.5	PCE	1.4		0.05		28
Hart Crowser 1993a	Jul-93	B-48	12	PCE	1.4		0.05		28
Hart Crowser 1993a	Jul-93	B-48 (DUP)	12	PCE	1.4		0.05		28
TV-F&S 2000a	Feb-99	B-56	14.0	PCE	1.40		0.05		28
TV-F&S 2000a	Feb-99	B-55	10.0	PCE	1.30		0.05		26
TV-F&S 2000a	Jul-99	TW-3	13.0	PCE	1.30		0.05		26
Hart Crowser 1990b	Oct-90	B-13/S-2	5	PCE	1.0		0.05		20
TV-F&S 2000a	Feb-99	B-54	14.0	PCE	1.00		0.05		20
TV-F&S 2001a	Jul-00	NW-9	6.5	PCE	0.99	J	0.05		20
TV-F&S 2000a	Feb-99	B-53	8.5	PCE	0.97		0.05		19

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Hart Crowser 1992b	**Apr-92**	**B-31**	**1.5-3**	**PCE**	**0.94**		**0.05**		**19**
TV-F&S 2000a	**Jul-99**	**TW-6**	**9.0**	**PCE**	**0.81**		**0.05**		**16**
Ecology 1993a	**Jul-93**	**B-48**	**12**	**PCE**	**0.75**		**0.05**		**15**
ATI 1991a	**Aug-91**	**B-16/S7**	**16**	**PCE**	**0.73**		**0.05**		**15**
TV-F&S 2001a	**Jul-00**	**NW-10**	**6.5**	**PCE**	**0.68**	**J**	**0.05**		**14**
Ecology 1993b	**Jun-93**	**278089**		**PCE**	**0.67**		**0.05**		**13**
Hart Crowser 1990b	**Oct-90**	**B-14/S-3**	**11.5**	**PCE**	**0.640**		**0.05**		**13**
Ecology 1993a	**Jul-93**	**B-47**	**12**	**PCE**	**0.61**	**J**	**0.05**		**12**
TV-F&S 2000a	**Jul-99**	**B-64**	**10.0**	**PCE**	**0.59**		**0.05**		**12**
TV-F&S 2000a	**Feb-99**	**B-56**	**11.0**	**PCE**	**0.58**		**0.05**		**12**
Hart Crowser 1990b	**1990**	**SP-6**		**PCE**	**0.550**		**0.05**		**11**
Hart Crowser 1993a	**Jun-93**	**B-45**	**44**	**PCE**	**0.54**		**0.05**		**11**
TV-F&S 2000a	**Jul-99**	**B-64**	**12.5**	**PCE**	**0.54**		**0.05**		**11**
Ecology 1993d	**Jul-93**	**B-51**	**12**	**PCE**	**0.51**		**0.05**		**10**
Hart Crowser 1990b	**Oct-90**	**SB8/S3**	**12.5**	**PCE**	**0.500**		**0.05**		**10**
TV-F&S 2000a	Feb-99	B-57	8.5	PCE	0.46		0.05		9.2
Hart Crowser 1992b	Apr-92	B-31	7.5-9	PCE	0.44		0.05		8.8
Hart Crowser 1992a	Oct-91	Comp D	0-1	PCE	0.42		0.05		8.4
Hart Crowser 1992a	Oct-91	H-1	2.5	PCE	0.40		0.05		8.0
TV-F&S 2000a	Sep-99	B-20A	12.5	PCE	0.38		0.05		7.6
Hart Crowser 1992a	Oct-91	Comp C	0-1	PCE	0.36		0.05		7.2
Hart Crowser 1992a	Oct-91	Comp B	0-1	PCE	0.34		0.05		6.8
TV-F&S 2001a	Jul-00	NW-2	6.5	PCE	0.34	J	0.05		6.8
Hart Crowser 1992a	Oct-91	Comp A	0-1	PCE	0.32		0.05		6.4
TV-F&S 2001a	Jul-00	NW-6	7.5	PCE	0.30	J	0.05		6.0
Hart Crowser 1990b	1990	SW-19E		PCE	0.300		0.05		6.0
Hart Crowser 1992b	Apr-92	B-29	13.5-15	PCE	0.27		0.05		5.4
TV-F&S 2001a	Jul-00	NW-1	8.0	PCE	0.27	J	0.05		5.4
Hart Crowser 1990b	1990	19/20-S		PCE	0.240		0.05		4.8
TV-F&S 2001a	Jul-00	NW-8	7.5	PCE	0.22	J	0.05		4.4
Hart Crowser 1993a	Jun-93	B-46	12	PCE	0.21		0.05		4.2
TV-F&S 2001a	Jul-00	NW-12	5.5	PCE	0.21	J	0.05		4.2
TV-F&S 2001a	Jul-00	NW-7	10.5	PCE	0.20	J	0.05		4.0
TV-F&S 2000a	Jul-99	TW-7	12.0	PCE	0.20		0.05		4.0
Hart Crowser 1992b	Mar-92	B-25	28-29.5	PCE	0.19		0.05		3.8
TV-F&S 2000a	Jul-99	B-60	10.0	PCE	0.19		0.05		3.8
Hart Crowser 1990b	Oct-90	SB6-2	7.5	PCE	0.19		0.05		3.8
Ecology 1993b	Jun-93	278090		PCE	0.18		0.05		3.6
TV-F&S 2000a	Jul-99	B-58	10.0	PCE	0.17		0.05		3.4

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Ecology 1993b	Jun-93	278090 (DUP)		PCE	0.16		0.05		3.2
TV-F&S 2001a	Jul-00	NW-5	6.5	PCE	0.16	J	0.05		3.2
TV-F&S 2001a	Jul-00	NW-9	10.5	PCE	0.14	J	0.05		2.8
TV-F&S 2000a	Jul-99	B-61	24.5	PCE	0.13		0.05		2.6
Hart Crowser 1990b	1990	SW-13		PCE	0.130		0.05		2.6
TV-F&S 2000a	Jul-99	TW-7	9.0	PCE	0.13		0.05		2.6
Ecology 1993b	Jun-93	278088		PCE	0.12		0.05		2.4
Hart Crowser 1992b	Apr-92	B-21	48-49.5	PCE	0.12		0.05		2.4
TV-F&S 2001a	Jul-00	NW-12	10.0	PCE	0.12	J	0.05		2.4
Hart Crowser 1992b	Mar-92	B-26 (DUP)	12-13.5	PCE	0.11		0.05		2.2
Ecology 1993d	Jul-93	B-52	12	PCE	0.1		0.05		2.0
TV-F&S 2001a	Jul-00	NW-4	6.5	PCE	0.10	J	0.05		2.0
Hart Crowser 1992a	Jan-91	SB-12	13	PCE	0.098		0.05		2.0
Hart Crowser 1992b	Mar-92	B-28	13.5-15	PCE	0.096		0.05		1.9
TV-F&S 2001a	Jul-00	NW-2	10.5	PCE	0.093	J	0.05		1.9
Hart Crowser 1990b	Sep-90	B-6/S-11	27	PCE	0.092		0.05		1.8
TV-F&S 2001a	Jul-00	NW-7	6.5	PCE	0.086	J	0.05		1.7
TV-F&S 2000a	Jul-99	B-62	16.0	PCE	0.076		0.05		1.5
TV-F&S 2001a	Jul-00	NW-3	10.5	PCE	0.074	J	0.05		1.5
Hart Crowser 1992b	Apr-92	B-23	47.5-49	PCE	0.073		0.05		1.5
Hart Crowser 1992a	Oct-91	G-3	7.5	PCE	0.073		0.05		1.5
Hart Crowser 1992b	Apr-92	B-27	44.5-46	PCE	0.072		0.05		1.4
TV-F&S 2000a	Jul-99	B-61	13.5	PCE	0.072		0.05		1.4
TV-F&S 2000a	Jul-99	B-61	43.5	PCE	0.071		0.05		1.4
TV-F&S 2000a	Feb-99	B-54	9.0	PCE	0.07		0.05		1.4
TV-F&S 2000a	Feb-99	B-57	14.5	PCE	0.067		0.05		1.3
TV-F&S 2001a	Jul-00	NW-3	6.5	PCE	0.061	J	0.05		1.2
Hart Crowser 1990a	May-89	B-1		PCE	0.058		0.05		1.2
Hart Crowser 1990b	Sep-90	B-8/S-7	18	PCE	0.058		0.05		1.2
Ecology 1993b	Jun-93	278087		PCE	0.055	J	0.05		1.1
Hart Crowser 1992a	Jan-91	SB-12	2.5	PCE	0.05		0.05		1.0
ATI 1991a	**Aug-91**	**B-16/S2**	**10**	**Pentachlorophenol**	**490**	**D**	**8.3**	**0.037**	**13,243**
Hart Crowser 1993a	**Aug-92**	**B-38**	**9-11**	**Pentachlorophenol**	**71**		**8.3**	**0.037**	**1,919**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**2.5**	**Pentachlorophenol**	**29**		**8.3**	**0.73**	**40**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**17**	**Pentachlorophenol**	**22**		**8.3**	**0.037**	**595**
Hart Crowser 1992a	**Jan-91**	**SB-11**	**13**	**Pentachlorophenol**	**22**		**8.3**	**0.037**	**595**
Ecology 1993a	**Jul-93**	**B-50**	**6**	**Pentachlorophenol**	**19**	**J**	**8.3**	**0.73**	**26**
Hart Crowser 1992b	**Apr-92**	**B-30**	**14.5-16**	**Pentachlorophenol**	**13**		**8.3**	**0.037**	**351**
Hart Crowser 1992b	**Apr-92**	**B-30 (DUP)**	**10-11.5**	**Pentachlorophenol**	**12**		**8.3**	**0.037**	**324**

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Hart Crowser 1992b	**Apr-92**	**B-30**	**10-11.5**	**Pentachlorophenol**	**11**		**8.3**	**0.037**	**297**
Ecology 1993a	**Jul-93**	**B-47**	**12**	**Pentachlorophenol**	**9.4**	**J**	**8.3**	**0.037**	**254**
Ecology 1993a	**Jul-93**	**B-50**	**10**	**Pentachlorophenol**	**7.7**	**J**	**8.3**	**0.037**	**208**
Hart Crowser 1992b	**Apr-92**	**B-30 (surface fines)**	**0**	**Pentachlorophenol**	**7.6**		**8.3**	**0.73**	**10**
Hart Crowser 1992a	**Jan-91**	**B-15**	**17**	**Pentachlorophenol**	**7.5**		**8.3**	**0.037**	**203**
Hart Crowser 1992a	Jan-91	B-15	2.5	Pentachlorophenol	6.3		8.3	0.73	8.6
Hart Crowser 1992b	Apr-92	B-30 (surface fines)	0	Pentachlorophenol	5.5		8.3	0.73	7.5
Hart Crowser 1992b	**Apr-92**	**B-30**	**14.5-16**	**Pentachlorophenol**	**5**		**8.3**	**0.037**	**135**
Hart Crowser 1992b	**Apr-92**	**B-30**	**10-11.5**	**Pentachlorophenol**	**4.7**		**8.3**	**0.037**	**127**
Hart Crowser 1992b	**Apr-92**	**B-31**	**10.5-12**	**Pentachlorophenol**	**4.4**		**8.3**	**0.037**	**119**
Hart Crowser 1995	**Jul-95**	**HC-GW-1**		**Pentachlorophenol**	**4.4**		**8.3**	**0.037**	**119**
Hart Crowser 1992b	Apr-92	B-30 (surface total)	0	Pentachlorophenol	4.2		8.3	0.73	5.8
Hart Crowser 1992b	**Apr-92**	**B-30 (DUP)**	**10-11.5**	**Pentachlorophenol**	**4**		**8.3**	**0.037**	**108**
Hart Crowser 1992b	Apr-92	B-30 (surface total)	0	Pentachlorophenol	3.4		8.3	0.73	4.7
Ecology 1993a	**Jul-93**	**B-49**	**15**	**Pentachlorophenol**	**2.9**		**8.3**	**0.037**	**78**
ATI 1991a	**Aug-91**	**B-16/S7**	**16**	**Pentachlorophenol**	**2.7**		**8.3**	**0.037**	**73**
Hart Crowser 1993a	Aug-92	B-37	2-4	Pentachlorophenol	2.7		8.3	0.73	3.7
Hart Crowser 1993a	**Aug-92**	**B-38**	**9-11**	**Pentachlorophenol**	**2.7**		**8.3**	**0.037**	**73**
ATI 1991a	**Aug-91**	**B-17/S1**	**18**	**Pentachlorophenol**	**2.2**		**8.3**	**0.037**	**59**
Hart Crowser 1992b	**Apr-92**	**B-31**	**10.5-12**	**Pentachlorophenol**	**2**		**8.3**	**0.037**	**54**
Hart Crowser 1992a	**Jan-91**	**SB-11**	**7.5**	**Pentachlorophenol**	**1.5**		**8.3**	**0.037**	**41**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**12.5**	**Pentachlorophenol**	**1**		**8.3**	**0.037**	**27**
ATI 1991a	**Aug-91**	**B-16/S2**	**10**	**Pentachlorophenol**	**0.97**		**8.3**	**0.037**	**26**
Ecology 1993b	**Jun-93**	**278086**		**Pentachlorophenol**	**0.89**		**8.3**	**0.037**	**24**
Hart Crowser 1992a	Oct-91	Comp A	0-1	Pentachlorophenol	0.89	J	8.3	0.73	1.2
Ecology 1993b	**Jun-93**	**278089**		**Pentachlorophenol**	**0.68**		**8.3**	**0.037**	**18**
Ecology 1993b	**Jun-93**	**278087**		**Pentachlorophenol**	**0.46**	**J**	**8.3**	**0.037**	**12**
Ecology 1993b	**Jun-93**	**278088**		**Pentachlorophenol**	**0.45**		**8.3**	**0.037**	**12**
Ecology 1993a	**Jul-93**	**B-48**	**12**	**Pentachlorophenol**	**0.42**		**8.3**	**0.037**	**11**
Hart Crowser 1992a	Jan-91	SB-12	7.5	Pentachlorophenol	0.14	J	8.3	0.037	3.8
Ecology 1993b	Jun-93	278090		Pentachlorophenol	0.13	J	8.3	0.037	3.5
Ecology 1993d	Jul-93	B-51	12	Pentachlorophenol	0.13	J	8.3	0.037	3.5
Hart Crowser 1993a	Aug-92	B-35	28-30	Pentachlorophenol	0.075		8.3	0.037	2.0
Hart Crowser 1992b	Apr-92	B-19	26.5-28	Pentachlorophenol	0.055		8.3	0.037	1.5
Ecology 1993a	Jul-93	B-49	15	Phenanthrene	1.1			0.49	2.2
Hart Crowser 1995	Jul-95	HC-GW-1		Phenanthrene	1.1			0.49	2.2
Ecology 1993a	Jul-93	B-50	10	Phenanthrene	0.89			0.49	1.8
Hart Crowser 1992a	Jan-91	SB-10	2.5	Styrene	200		33		6.1
Hart Crowser 1992a	Jan-91	SB-10	17	Styrene	100		33		3.0

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Hart Crowser 1992b	Apr-92	B-30	14.5-16	Styrene	40		33		1.2
Hart Crowser 1992a	**Jan-91**	**SB-10**	**17**	**TCE**	**1,100**		**0.03**		**36,667**
Hart Crowser 1990b	**Oct-90**	**B-7/S-3**	**7.5**	**TCE**	**980**		**0.03**		**32,667**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**2.5**	**TCE**	**940**		**0.03**		**31,333**
Hart Crowser 1992b	**Apr-92**	**B-30**	**14.5-16**	**TCE**	**820**		**0.03**		**27,333**
Hart Crowser 1990b	**1990**	**PT-3**		**TCE**	**550**		**0.03**		**18,333**
Hart Crowser 1990b	**1990**	**PT-2**		**TCE**	**230**		**0.03**		**7,667**
Hart Crowser 1990b	**Oct-90**	**SB4/S1**	**1.5**	**TCE**	**220**		**0.03**		**7,333**
Hart Crowser 1990b	**1990**	**25-S**		**TCE**	**210**		**0.03**		**7,000**
Hart Crowser 1990b	**1990**	**25-S**		**TCE**	**180**		**0.03**		**6,000**
Hart Crowser 1990b	**1990**	**PT-1**		**TCE**	**150**		**0.03**		**5,000**
Hart Crowser 1990b	**1990**	**PT-5**		**TCE**	**78**		**0.03**		**2,600**
Hart Crowser 1990b	**1990**	**PT-4**		**TCE**	**59**		**0.03**		**1,967**
Hart Crowser 1992b	**Apr-92**	**B-30**	**10-11.5**	**TCE**	**38**		**0.03**		**1,267**
Hart Crowser 1992b	**Apr-92**	**B-30 (DUP)**	**10-11.5**	**TCE**	**29**		**0.03**		**967**
Hart Crowser 1993a	**Jul-93**	**B-47**	**6**	**TCE**	**17**		**0.03**		**567**
Hart Crowser 1992b	**Apr-92**	**B-31**	**10.5-12**	**TCE**	**11**		**0.03**		**367**
Hart Crowser 1993a	**Jun-93**	**B-43 (DUP)**	**12**	**TCE**	**10**		**0.03**		**333**
Hart Crowser 1993a	**Jun-93**	**B-43**	**12**	**TCE**	**9.7**		**0.03**		**323**
Hart Crowser 1995	**Jul-95**	**HC-GW-1**		**TCE**	**9**		**0.03**		**300**
Hart Crowser 1995	**Jul-95**	**HC-GW-1 (DUP)**		**TCE**	**8.6**		**0.03**		**287**
Hart Crowser 1990a	**May-90**	**B2-S3**	**10**	**TCE**	**7.7**		**0.03**		**257**
Hart Crowser 1990b	**1990**	**21-C**		**TCE**	**4.9**		**0.03**		**163**
Hart Crowser 1990b	**Oct-90**	**SB7/S3**	**12.5**	**TCE**	**4.8**		**0.03**		**160**
Hart Crowser 1993a	**Jul-93**	**B-48 (DUP)**	**12**	**TCE**	**4.7**		**0.03**		**157**
Hart Crowser 1993a	**Jun-93**	**B-44**	**14**	**TCE**	**4.3**		**0.03**		**143**
Hart Crowser 1993a	**Jun-93**	**B-45**	**44**	**TCE**	**4.3**		**0.03**		**143**
Hart Crowser 1993a	**Jul-93**	**B-48**	**12**	**TCE**	**4.2**		**0.03**		**140**
Hart Crowser 1990b	**Oct-90**	**B-11/S-4**	**10**	**TCE**	**3.4**		**0.03**		**113**
Ecology 1993a	**Jul-93**	**B-50**	**10**	**TCE**	**3.3**		**0.03**		**110**
TV-F&S 2000a	**Feb-99**	**B-54**	**9.0**	**TCE**	**3.00**		**0.03**		**100**
Ecology 1993a	**Jul-93**	**B-48**	**12**	**TCE**	**2.6**		**0.03**		**87**
Hart Crowser 1993a	**Jun-93**	**B-43**	**10**	**TCE**	**1.8**		**0.03**		**60**
Hart Crowser 1992b	**Apr-92**	**B-21**	**48-49.5**	**TCE**	**1.2**		**0.03**		**40**
Hart Crowser 1993a	**Jul-93**	**B-49**	**12**	**TCE**	**1.2**		**0.03**		**40**
Hart Crowser 1992a	**Jan-91**	**SB-11**	**2.5**	**TCE**	**0.92**		**0.03**		**31**
Hart Crowser 1992b	**Apr-92**	**B-30**	**4-5.5**	**TCE**	**0.87**		**0.03**		**29**
TV-F&S 2000a	**Jul-99**	**TW-6**	**12.0**	**TCE**	**0.79**		**0.03**		**26**
Ecology 1993a	**Jul-93**	**B-47**	**12**	**TCE**	**0.75**		**0.03**		**25**

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
TV-F&S 2000a	**Jul-99**	**TW-3**	**13.0**	**TCE**	**0.69**		**0.03**		**23**
Hart Crowser 1993a	**Aug-92**	**B-32**	**0-3**	**TCE**	**0.66**		**0.03**		**22**
Ecology 1993a	**Jul-93**	**B-49**	**15**	**TCE**	**0.66**		**0.03**		**22**
Ecology 1993a	**Jul-93**	**B-49 (DUP)**	**15**	**TCE**	**0.64**	**J**	**0.03**		**21**
Hart Crowser 1992b	**Apr-92**	**B-21 (DUP)**	**48-49.5**	**TCE**	**0.57**		**0.03**		**19**
Hart Crowser 1993a	**Jun-93**	**B-46**	**10**	**TCE**	**0.48**		**0.03**		**16**
Hart Crowser 1992a	**Jan-91**	**SB-12**	**2.5**	**TCE**	**0.47**		**0.03**		**16**
Hart Crowser 1993a	**Jul-93**	**B-50**	**11**	**TCE**	**0.46**		**0.03**		**15**
Hart Crowser 1993a	**Jul-93**	**B-50**	**12**	**TCE**	**0.46**		**0.03**		**15**
Hart Crowser 1992b	**Mar-92**	**B-22 (DUP)**	**10.5-12**	**TCE**	**0.39**		**0.03**		**13**
Hart Crowser 1992a	**Jan-91**	**SB-11**	**13**	**TCE**	**0.37**		**0.03**		**12**
Hart Crowser 1990b	**Sep-90**	**B-9/S-6**	**15**	**TCE**	**0.3**		**0.03**		**10**
Hart Crowser 1993a	Jun-93	B-45	14	TCE	0.28		0.03		9.3
Hart Crowser 1993a	Jun-93	B-45 (DUP)	14	TCE	0.28		0.03		9.3
TV-F&S 2000a	Jul-99	B-61	43.5	TCE	0.26		0.03		8.7
Hart Crowser 1992b	Apr-92	B-21	22.5-24	TCE	0.22		0.03		7.3
Ecology 1993d	Jul-93	B-51	12	TCE	0.22		0.03		7.3
TV-F&S 2000a	Jul-99	B-64	10.0	TCE	0.14		0.03		4.7
TV-F&S 2000a	Feb-99	B-54	14.0	TCE	0.13		0.03		4.3
TV-F&S 2000a	Jul-99	TW-1	11.0	TCE	0.12		0.03		4.0
Ecology 1993b	Jun-93	278089		TCE	0.11		0.03		3.7
Ecology 1993b	Jun-93	278090 (DUP)		TCE	0.1		0.03		3.3
Hart Crowser 1992a	Oct-91	Comp A	0-1	TCE	0.094		0.03		3.1
Ecology 1993b	Jun-93	278090		TCE	0.091		0.03		3.0
Hart Crowser 1990a	May-89	B-1		TCE	0.071		0.03		2.4
Hart Crowser 1992b	Mar-92	B-26 (DUP)	12-13.5	TCE	0.07		0.03		2.3
Hart Crowser 1990b	**1990**	**PT-3**		**Toluene**	**1,800**	**J**	**7**		**257**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**17**	**Toluene**	**1,500**		**7**		**214**
Hart Crowser 1992b	**Apr-92**	**B-30**	**14.5-16**	**Toluene**	**1,100**		**7**		**157**
Hart Crowser 1990b	**1990**	**PT-1**		**Toluene**	**800**	**J**	**7**		**114**
Hart Crowser 1990b	**Oct-90**	**B-7/S-3**	**7.5**	**Toluene**	**630**		**7**		**90**
Hart Crowser 1990b	**1990**	**PT-1**		**Toluene**	**250**		**7**		**36**
Hart Crowser 1990b	**1990**	**PT-2**		**Toluene**	**230**		**7**		**33**
Hart Crowser 1990b	**1990**	**PT-5**		**Toluene**	**180**		**7**		**26**
Hart Crowser 1992b	**Apr-92**	**B-30**	**10-11.5**	**Toluene**	**160**		**7**		**23**
Hart Crowser 1992b	**Apr-92**	**B-30 (DUP)**	**10-11.5**	**Toluene**	**140**		**7**		**20**
Hart Crowser 1990b	**1990**	**PT-4**		**Toluene**	**140**		**7**		**20**
Hart Crowser 1990b	**Oct-90**	**SB4/S1**	**1.5**	**Toluene**	**110**		**7**		**16**
Hart Crowser 1992a	Jan-91	SB-10	12.5	Toluene	46		7		6.6

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Hart Crowser 1990a	May-90	B2-S3	10	Toluene	40		7		5.7
Hart Crowser 1990b	1990	25-S		Toluene	37		7		5.3
Hart Crowser 1990b	1990	25-S		Toluene	30		7		4.3
Hart Crowser 1990a	May-90	B2-S3	10	Toluene	30	K	7		4.3
Hart Crowser 1990b	1990	21-C		Toluene	28		7		4.0
Hart Crowser 1995	Jul-95	HC-GW-1		Toluene	28		7		4.0
Hart Crowser 1995	Jul-95	HC-GW-1 (DUP)		Toluene	27		7		3.9
Hart Crowser 1990b	Oct-90	B-7/S-7B		Toluene	21		7		3.0
Hart Crowser 1990b	1990	SP-2		Toluene	21		7		3.0
Hart Crowser 1992b	Apr-92	B-31	10.5-12	Toluene	10		7		1.4
Hart Crowser 1990b	**1990**	**PT-3**		**Total Hydrocarbons (Light)**	**20,000**		**30**		**667**
Hart Crowser 1990b	**Oct-90**	**B-7/S-3**	**7.5**	**Total Hydrocarbons (Light)**	**14,000**		**30**		**467**
Hart Crowser 1990b	**1990**	**PT-5**		**Total Hydrocarbons (Light)**	**13,000**		**30**		**433**
Hart Crowser 1990b	**1990**	**PT-4**		**Total Hydrocarbons (Light)**	**6,400**		**30**		**213**
Hart Crowser 1990b	**1990**	**SB3/S2**		**Total Hydrocarbons (Light)**	**6,400**		**30**		**213**
Hart Crowser 1990b	**1990**	**PT-2**		**Total Hydrocarbons (Light)**	**4,200**		**30**		**140**
Hart Crowser 1990b	**Oct-90**	**SB4/S1**	**1.5**	**Total Hydrocarbons (Light)**	**2,100**		**30**		**70**
Hart Crowser 1990b	**Oct-90**	**SB5/S3**	**12.5**	**Total Hydrocarbons (Light)**	**700**		**30**		**23**
Hart Crowser 1990b	**1990**	**SB1/S3**		**Total Hydrocarbons (Light)**	**400**		**30**		**13**
Hart Crowser 1990b	**Oct-90**	**B-7/S-7B**		**Total Hydrocarbons (Light)**	**310**		**30**		**10**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**17**	**Xylenes (total)**	**1,200**		**9**		**133**
Hart Crowser 1990b	**1990**	**PT-1**		**Xylenes (total)**	**960**		**9**		**107**
Hart Crowser 1992a	**Jan-91**	**SB-10**	**2.5**	**Xylenes (total)**	**880**		**9**		**98**
Hart Crowser 1990b	**1990**	**PT-3**		**Xylenes (total)**	**840**		**9**		**93**
Hart Crowser 1990b	**1990**	**25-S**		**Xylenes (total)**	**820**		**9**		**91**
Hart Crowser 1990b	**1990**	**25-S**		**Xylenes (total)**	**680**		**9**		**76**
Hart Crowser 1990b	**Oct-90**	**B-7/S-3**	**7.5**	**Xylenes (total)**	**570**		**9**		**63**
Hart Crowser 1992b	**Apr-92**	**B-30**	**14.5-16**	**Xylenes (total)**	**410**		**9**		**46**
Hart Crowser 1990b	**1990**	**PT-5**		**Xylenes (total)**	**370**		**9**		**41**
Hart Crowser 1990b	**1990**	**PT-1**		**Xylenes (total)**	**340**		**9**		**38**
Hart Crowser 1990a	**May-90**	**B2-S3**	**10**	**Xylenes (total)**	**270**		**9**		**30**
Hart Crowser 1990b	**1990**	**PT-4**		**Xylenes (total)**	**180**		**9**		**20**
Hart Crowser 1990b	**Oct-90**	**SB4/S1**	**1.5**	**Xylenes (total)**	**150**		**9**		**17**
Hart Crowser 1992b	**Apr-92**	**B-30**	**10-11.5**	**Xylenes (total)**	**140**		**9**		**16**
Hart Crowser 1992b	**Apr-92**	**B-30 (DUP)**	**10-11.5**	**Xylenes (total)**	**130**		**9**		**14**
Hart Crowser 1990b	1990	21-C		Xylenes (total)	61		9		6.8
Hart Crowser 1990b	1990	PT-2		Xylenes (total)	50		9		5.6
Hart Crowser 1992a	Jan-91	SB-10	12.5	Xylenes (total)	47		9		5.2
Hart Crowser 1990b	1990	17/18-C		Xylenes (total)	27		9		3.0

Table 6
Chemicals Above Screening Levels in Soil
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Hart Crowser 1995	Jul-95	HC-GW-1 (DUP)		Xylenes (total)	27		9		3.0
Hart Crowser 1995	Jul-95	HC-GW-1		Xylenes (total)	25		9		2.8
Hart Crowser 1990b	Oct-90	B-7/S-7B		Xylenes (total)	20		9		2.2
Hart Crowser 1990a	May-90	B3-S3	10	Xylenes (total)	13	M	9		1.4
Hart Crowser 1992b	Apr-92	B-5 (surface fines)	0	Zinc	1,100		24,000	770	1.4
Hart Crowser 1992b	Apr-92	B-5 (surface total)	0	Zinc	880		24,000	770	1.1
Hart Crowser 1993a	Aug-92	B-36 (DUP)	9-11	Zinc	220		24,000	38	5.8
Hart Crowser 1993a	Aug-92	B-36	9-11	Zinc	180		24,000	38	4.7
Hart Crowser 1993a	Aug-92	B-35	8-10	Zinc	150		24,000	38	3.9
Hart Crowser 1992b	Apr-92	B-29	13.5-15	Zinc	130		24,000	38	3.4
Hart Crowser 1993a	Aug-92	B-38	9-11	Zinc	69		24,000	38	1.8
ATI 1991a	Aug-91	B-16/S2	10	Zinc	51		24,000	38	1.3
Hart Crowser 1992a	Jan-91	B-15	17	Zinc	49		24,000	38	1.3

a - The lower of MTCA Method A or B cleanup levels was selected, from CLARC database
b - From: SAIC 2006. Where two screening levels are listed for a single chemical, the higher screening levels are for soil samples collected from the vadose zone and the lower screening levels are for soil samples collected from the saturated zone.

DW - dry weight
CSL - Contaminant Screening Level from Washington Sediment Management Standards
NA - Not available

Notes:
(1) Table presents detected chemicals only.
(2) Exceedance factors are the ratio of the detected concentration to the MTCA Cleanup Level or Soil-to-Sediment Screening Value, whichever is lower. Only samples with exceedance factors greater than or equal to 1 are shown.
(3) Chemicals with exceedance factors greater than 10 are shown in **Bold**.

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1993a	**Jun-93**	**B-43**	**1,1,1-TCA**	**16,000**		**200**		**80**
Ecology 1993b	**Jun-93**	**278091**	**1,1,1-TCA**	**16,000**		**200**		**80**
Hart Crowser 1992b	**May-92**	**B-31**	**1,1,1-TCA**	**14,000**		**200**		**70**
Hart Crowser 1993a	**Jul-93**	**B-49**	**1,1,1-TCA**	**11,000**		**200**		**55**
Ecology 1993c	**Jul-93**	**B-49**	**1,1,1-TCA**	**11,000**		**200**		**55**
TV-F&S 2000a	**Nov-98**	**B-49**	**1,1,1-TCA**	**10,000**		**200**		**50**
Hart Crowser 1993a	**Aug-93**	**B-51**	**1,1,1-TCA**	**9,600**		**200**		**48**
Ecology 1993c	**Jul-93**	**B-27**	**1,1,1-TCA**	**9,300**		**200**		**47**
Hart Crowser 1992b	**May-92**	**B-30**	**1,1,1-TCA**	**9,300**		**200**		**47**
Hart Crowser 1993a	**Jul-93**	**B-47 (DUP)**	**1,1,1-TCA**	**8,900**		**200**		**45**
Hart Crowser 1993a	**Jul-93**	**B-47**	**1,1,1-TCA**	**8,700**		**200**		**44**
Hart Crowser 1993a	**Jun-93**	**B-44**	**1,1,1-TCA**	**8,100**		**200**		**41**
Ecology 1993b	**Jun-93**	**278092**	**1,1,1-TCA**	**6,300**		**200**		**32**
Ecology 1993c	**Jul-93**	**B-48**	**1,1,1-TCA**	**6,200**		**200**		**31**
Ecology 1993c	**Jul-93**	**B-48 (DUP)**	**1,1,1-TCA**	**6,000**		**200**		**30**
Hart Crowser 1993a	**Jul-93**	**B-48**	**1,1,1-TCA**	**5,600**		**200**		**28**
Hart Crowser 1992b	**May-92**	**B-11**	**1,1,1-TCA**	**3,400**		**200**		**17**
Hart Crowser 1997	**Dec-96**	**B-44**	**1,1,1-TCA**	**2,600**		**200**		**13**
Hart Crowser 1993a	**Jun-93**	**B-46**	**1,1,1-TCA**	**2,500**		**200**		**13**
Hart Crowser 1992b	**May-92**	**B-15**	**1,1,1-TCA**	**2,500**		**200**		**13**
Hart Crowser 1997	**Dec-96**	**B-31**	**1,1,1-TCA**	**2,400**		**200**		**12**
Hart Crowser 1997	**Dec-96**	**B-39**	**1,1,1-TCA**	**2,200**		**200**		**11**
Ecology 1993b	**Jun-93**	**278094 (DUP)**	**1,1,1-TCA**	**2,100**	**J**	**200**		**11**
Hart Crowser 1997	Dec-96	B-20	1,1,1-TCA	960		200		4.8
TV-F&S 2000a	Nov-98	B-12	1,1,1-TCA	890		200		4.5
TV-F&S 2000a	Nov-98	B-42	1,1,1-TCA	880		200		4.4
TV-F&S 2000a	Oct-98	B-44	1,1,1-TCA	760		200		3.8
Hart Crowser 1993a	Aug-93	B-52 (DUP)	1,1,1-TCA	570		200		2.9
TV-F&S 2000a	Oct-98	B-20	1,1,1-TCA	470		200		2.4
Hart Crowser 1993a	Aug-93	B-52	1,1,1-TCA	460		200		2.3
Hart Crowser 1992b	May-92	B-16	1,1,1-TCA	360		200		1.8
ATI 1991b	Sep-91	B-16	1,1,1-TCA	290		200		1.5
TV-F&S 2000a	Nov-98	B-46 BAL	1,1,1-TCA	290		200		1.5
TV-F&S 2000a	Nov-99	B-31	1,1,1-TCA	210		200		1.1
TV-F&S 2000a	Nov-98	B-46	1,1,1-TCA	200		200		1.0

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Ecology 1993b	**Jun-93**	**278091**	**1,1,2-TCA**	**68**	**J**	**0.77**		**88**
Hart Crowser 1992b	**May-92**	**B-30**	**1,1,2-TCA**	**48**		**0.77**		**62**
Ecology 1993b	**Jun-93**	**278092**	**1,1,2-TCA**	**45**	**J**	**0.77**		**58**
Hart Crowser 1997	**Dec-96**	**B-44**	**1,1,2-TCA**	**19**		**0.77**		**25**
Hart Crowser 1997	**Dec-96**	**B-39**	**1,1,2-TCA**	**18**		**0.77**		**23**
Hart Crowser 1993a	Sep-92	B-30	1,1-DCA	1,900		800		2.4
Hart Crowser 1993a	Sep-92	B-31	1,1-DCA	1,500		800		1.9
Hart Crowser 1993a	Aug-93	B-31	1,1-DCA	1,500		800		1.9
Hart Crowser 1993a	Aug-93	B-30	1,1-DCA	1,400		800		1.8
Hart Crowser 1992b	May-92	B-31	1,1-DCA	1,300		800		1.6
Hart Crowser 1992b	May-92	B-30	1,1-DCA	1,200		800		1.5
Hart Crowser 1992b	May-92	B-15	1,1-DCA	1,100		800		1.4
Ecology 1993b	Jun-93	278091	1,1-DCA	1,000		800		1.3
Hart Crowser 1993a	Jun-93	B-43	1,1-DCA	810		800		1.0
Hart Crowser 1993a	Jun-93	B-43	1,1-DCE	810		400		2.0
TV-F&S 2000a	**Oct-99**	**B-49**	**1,2,4-Trimethylbenzene**	**11,000**		**400**		**28**
TV-F&S 2000a	**Oct-99**	**B-46**	**1,2,4-Trimethylbenzene**	**6,400**		**400**		**16**
TV-F&S 2000a	Oct-99	B-39	1,2,4-Trimethylbenzene	2,300	J	400		5.8
TV-F&S 2000a	Oct-99	B-47	1,2,4-Trimethylbenzene	2,100		400		5.3
TV-F&S 2000a	Oct-99	B-47 (DUP)	1,2,4-Trimethylbenzene	1,500		400		3.8
TV-F&S 2000a	Oct-99	B-42	1,2,4-Trimethylbenzene	1,400		400		3.5
TV-F&S 2000a	Oct-99	B-38	1,2,4-Trimethylbenzene	1,000	J	400		2.5
TV-F&S 2000a	Nov-98	B-42	1,2,4-Trimethylbenzene	810		400		2.0
TV-F&S 2000a	Oct-98	B-21	1,2,4-Trimethylbenzene	540		400		1.4
TV-F&S 2000a	Oct-99	B-10A	1,2,4-Trimethylbenzene	490		400		1.2
TV-F&S 2000a	Nov-98	B-12	1,2,4-Trimethylbenzene	450		400		1.1
TV-F&S 2000a	Nov-98	B-49	1,2,4-Trimethylbenzene	410		400		1.0
Ecology 1993b	**Jun-93**	**278092**	**1,2-DCA**	**200**		**5**		**40**
Ecology 1993b	**Jun-93**	**278091**	**1,2-DCA**	**140**	**J**	**5**		**28**
Hart Crowser 1997	**Dec-96**	**B-44**	**1,2-DCA**	**97**		**5**		**19**
Hart Crowser 1993a	**Sep-92**	**B-31**	**1,2-DCA**	**76**		**5**		**15**
Hart Crowser 1997	**Oct-95**	**B-10A**	**1,2-DCA**	**76**		**5**		**15**
Hart Crowser 1993a	**Sep-92**	**B-10A**	**1,2-DCA**	**71**		**5**		**14**
Hart Crowser 1997	**Oct-95**	**B-31**	**1,2-DCA**	**69**		**5**		**14**
Hart Crowser 1997	**Dec-96**	**B-39**	**1,2-DCA**	**60**		**5**		**12**

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1997	**Dec-96**	**B-10A**	**1,2-DCA**	**50**	**J**	**5**		**10**
TV-F&S 2000a	**Oct-99**	**B-9**	**1,2-DCA**	**50**		**5**		**10**
Hart Crowser 1993a	Aug-93	B-9	1,2-DCA	48		5		9.6
TV-F&S 2000a	Nov-98	B-9	1,2-DCA	45		5		9.0
Hart Crowser 1997	Oct-95	B-9	1,2-DCA	44		5		8.8
Hart Crowser 1997	Dec-96	B-9	1,2-DCA	44		5		8.8
Hart Crowser 1993a	Sep-92	B-9	1,2-DCA	42		5		8.4
Hart Crowser 1992b	May-92	B-9	1,2-DCA	18		5		3.6
Hart Crowser 1993a	Sept 1992	B-20	1,2-DCA	16		5		3.2
Hart Crowser 1997	Oct-95	B-20	1,2-DCA	13		5		2.6
Ecology 1993c	**Jul-93**	**B-27**	**1,2-DCE (total)**	**73,000**		**72**		**1,014**
Ecology 1993c	**Jul-93**	**B-50**	**1,2-DCE (total)**	**67,000**		**72**		**931**
Ecology 1993b	**Jun-93**	**278094 (DUP)**	**1,2-DCE (total)**	**54,000**		**72**		**750**
Ecology 1993b	**Jun-93**	**278094**	**1,2-DCE (total)**	**47,000**		**72**		**653**
Hart Crowser 1997	**Dec-96**	**B-21**	**1,2-DCE (total)**	**47,000**		**72**		**653**
Ecology 1993b	**Jun-93**	**278092**	**1,2-DCE (total)**	**46,000**		**72**		**639**
Hart Crowser 1997	**Dec-96**	**B-10A**	**1,2-DCE (total)**	**45,000**		**72**		**625**
Ecology 1993b	**Jun-93**	**278091**	**1,2-DCE (total)**	**44,000**		**72**		**611**
ATI 1991b	**Sep-91**	**B-16**	**1,2-DCE (total)**	**42,000**		**72**		**583**
Ecology 1993b	**Jun-93**	**278091**	**1,2-DCE (total)**	**40,000**		**72**		**556**
Hart Crowser 1992b	**May-92**	**B-30**	**1,2-DCE (total)**	**38,000**		**72**		**528**
Hart Crowser 1992b	**May-92**	**B-21**	**1,2-DCE (total)**	**37,000**		**72**		**514**
Hart Crowser 1997	**Dec-96**	**B-33A**	**1,2-DCE (total)**	**36,000**		**72**		**500**
Hart Crowser 1997	**Dec-96**	**B-44**	**1,2-DCE (total)**	**35,000**		**72**		**486**
Ecology 1993c	**Jul-93**	**B-49**	**1,2-DCE (total)**	**32,000**		**72**		**444**
Hart Crowser 1992b	**May-92**	**B-16**	**1,2-DCE (total)**	**30,000**		**72**		**417**
Hart Crowser 1992b	**May-92**	**B-15**	**1,2-DCE (total)**	**26,000**		**72**		**361**
Hart Crowser 1997	**Dec-96**	**B-39**	**1,2-DCE (total)**	**23,000**		**72**		**319**
Hart Crowser 1997	**Dec-96**	**B-45**	**1,2-DCE (total)**	**20,000**		**72**		**278**
Hart Crowser 1992b	**May-92**	**B-31**	**1,2-DCE (total)**	**20,000**		**72**		**278**
Hart Crowser 1997	**Dec-96**	**B-20**	**1,2-DCE (total)**	**19,000**		**72**		**264**
Hart Crowser 1992b	**May-92**	**B-11**	**1,2-DCE (total)**	**16,000**		**72**		**222**
Hart Crowser 1992b	**May-92**	**B-29**	**1,2-DCE (total)**	**16,000**		**72**		**222**
Ecology 1993c	**Jul-93**	**B-48**	**1,2-DCE (total)**	**14,000**		**72**		**194**
Ecology 1993c	**Jul-93**	**B-48 (DUP)**	**1,2-DCE (total)**	**13,000**		**72**		**181**

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1997	**Dec-96**	**B-8**	**1,2-DCE (total)**	**9,000**		**72**		**125**
Hart Crowser 1997	**Dec-96**	**B-35**	**1,2-DCE (total)**	**8,000**		**72**		**111**
Hart Crowser 1992b	**May-92**	**B-10A**	**1,2-DCE (total)**	**6,300**		**72**		**88**
Ecology 1993b	**Jun-93**	**278093**	**1,2-DCE (total)**	**5,200**		**72**		**72**
Hart Crowser 1992b	**May-92**	**B-18**	**1,2-DCE (total)**	**1,400**		**72**		**19**
Hart Crowser 1992b	**May-92**	**B-8**	**1,2-DCE (total)**	**1,300**		**72**		**18**
Hart Crowser 1992b	**May-92**	**B-1**	**1,2-DCE (total)**	**1,200**		**72**		**17**
Hart Crowser 1997	**Dec-96**	**B-31**	**1,2-DCE (total)**	**1,100**		**72**		**15**
Hart Crowser 1992b	May-92	B-14	1,2-DCE (total)	600		72		8.3
Hart Crowser 1992b	May-92	B-22	1,2-DCE (total)	440		72		6.1
Hart Crowser 1992b	May-92	B-13	1,2-DCE (total)	260		72		3.6
Hart Crowser 1997	Dec-96	B-26	1,2-DCE (total)	96		72		1.3
Hart Crowser 1992b	May-92	B-9	1,2-DCE (total)	93		72		1.3
TV-F&S 2000a	**Nov-98**	**B-42**	**1,2-Dichlorobenzene**	**1,000**		**720**	**5.2**	**192**
Hart Crowser 1992b	**May-92**	**B-29**	**1,2-Dichlorobenzene**	**510**		**720**	**5.2**	**98**
TV-F&S 2000a	**Oct-99**	**B-47 (DUP)**	**1,2-Dichlorobenzene**	**440**		**720**	**5.2**	**85**
TV-F&S 2000a	**Oct-98**	**B-44**	**1,2-Dichlorobenzene**	**380**		**720**	**5.2**	**73**
TV-F&S 2000a	**Nov-98**	**B-12**	**1,2-Dichlorobenzene**	**360**		**720**	**5.2**	**69**
TV-F&S 2000a	**Oct-99**	**B-47**	**1,2-Dichlorobenzene**	**350**		**720**	**5.2**	**67**
TV-F&S 2000a	**Oct-99**	**B-42**	**1,2-Dichlorobenzene**	**340**		**720**	**5.2**	**65**
TV-F&S 2000a	**Nov-98**	**B-49**	**1,2-Dichlorobenzene**	**320**		**720**	**5.2**	**62**
TV-F&S 2000a	**Nov-98**	**B-52**	**1,2-Dichlorobenzene**	**250**		**720**	**5.2**	**48**
TV-F&S 2000a	**Nov-98**	**B-42**	**1,2-Dichlorobenzene**	**230**	**J**	**720**	**5.2**	**44**
TV-F&S 2000a	**Nov-98**	**B-46 BAL**	**1,2-Dichlorobenzene**	**220**		**720**	**5.2**	**42**
TV-F&S 2000a	**Nov-98**	**B-52 (DUP)**	**1,2-Dichlorobenzene**	**190**		**720**	**5.2**	**37**
TV-F&S 2000a	**Nov-98**	**B-46**	**1,2-Dichlorobenzene**	**180**		**720**	**5.2**	**35**
Ecology 1993b	**Jun-93**	**278092**	**1,2-Dichlorobenzene**	**170**		**720**	**5.2**	**33**
TV-F&S 2000a	**Nov-98**	**B-12**	**1,2-Dichlorobenzene**	**170**		**720**	**5.2**	**33**
TV-F&S 2000a	**Oct-99**	**B-44**	**1,2-Dichlorobenzene**	**160**		**720**	**5.2**	**31**
Ecology 1993c	**Jul-93**	**B-27**	**1,2-Dichlorobenzene**	**150**		**720**	**5.2**	**29**
TV-F&S 2000a	**Nov-98**	**B-46**	**1,2-Dichlorobenzene**	**150**		**720**	**5.2**	**29**
TV-F&S 2000a	**Nov-98**	**B-39**	**1,2-Dichlorobenzene**	**130**		**720**	**5.2**	**25**
TV-F&S 2000a	**Oct-99**	**B-52**	**1,2-Dichlorobenzene**	**130**		**720**	**5.2**	**25**
TV-F&S 2000a	**Nov-98**	**B-49**	**1,2-Dichlorobenzene**	**120**		**720**	**5.2**	**23**
TV-F&S 2000a	**Nov-98**	**B-52**	**1,2-Dichlorobenzene**	**120**		**720**	**5.2**	**23**

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	**Nov-98**	**B-52 (DUP)**	**1,2-Dichlorobenzene**	**120**		**720**	**5.2**	**23**
TV-F&S 2000a	**Oct-99**	**B-49**	**1,2-Dichlorobenzene**	**110**		**720**	**5.2**	**21**
TV-F&S 2000a	**Nov-99**	**B-12**	**1,2-Dichlorobenzene**	**110**		**720**	**5.2**	**21**
TV-F&S 2000a	**Oct-99**	**B-46**	**1,2-Dichlorobenzene**	**100**		**720**	**5.2**	**19**
TV-F&S 2000a	**Oct-99**	**B-44**	**1,2-Dichlorobenzene**	**88**		**720**	**5.2**	**17**
TV-F&S 2000a	**Oct-99**	**B-39**	**1,2-Dichlorobenzene**	**81**	**J**	**720**	**5.2**	**16**
TV-F&S 2000a	**Oct-98**	**B-44**	**1,2-Dichlorobenzene**	**80**		**720**	**5.2**	**15**
TV-F&S 2000a	**Oct-99**	**B-52**	**1,2-Dichlorobenzene**	**55**		**720**	**5.2**	**11**
Ecology 1993c	**Jul-93**	**B-50**	**1,2-Dichlorobenzene**	**53**		**720**	**5.2**	**10**
TV-F&S 2000a	Jul-99	B-58	1,2-Dichlorobenzene	35		720	5.2	6.7
Ecology 1993b	Jun-93	278092	1,2-Dichlorobenzene	26		720	5.2	5.0
ATI 1991b	Sep-91	B-16	1,2-Dichlorobenzene	22		720	5.2	4.2
Hart Crowser 1992b	May-92	B-21	1,2-Dichlorobenzene	21		720	5.2	4.0
TV-F&S 2000a	Oct-99	B-21	1,2-Dichlorobenzene	19		720	5.2	3.7
Hart Crowser 1992b	May-92	B-16	1,2-Dichlorobenzene	17		720	5.2	3.3
Ecology 1993b	Jun-93	278094	1,2-Dichlorobenzene	16	J	720	5.2	3.1
TV-F&S 2000a	Oct-98	B-21	1,2-Dichlorobenzene	16	J	720	5.2	3.1
TV-F&S 2000a	Jul-99	B-58	1,2-Dichlorobenzene	14		720	5.2	2.7
TV-F&S 2000a	Oct-98	B-20	1,2-Dichlorobenzene	12		720	5.2	2.3
TV-F&S 2000a	Oct-99	B-58 (DUP)	1,2-Dichlorobenzene	8.3		720	5.2	1.6
TV-F&S 2000a	Oct-99	B-58	1,2-Dichlorobenzene	7		720	5.2	1.3
TV-F&S 2000a	Oct-98	B-8	1,2-Dichlorobenzene	5.1		720	5.2	1.0
Hart Crowser 1997	Dec-96	B-8	1,2-Dichlorobenzene	5	J	720	5.2	1.0
Hart Crowser 1997	**Dec-96**	**B-10A**	**1,2-Dichloropropane**	**82**	**J**	**0.64**		**128**
Ecology 1993b	**Jun-93**	**278092**	**1,2-Dichloropropane**	**40**	**J**	**0.64**		**63**
TV-F&S 2000a	**Nov-98**	**B-52**	**1,2-Dichloropropane**	**11**		**0.64**		**17**
TV-F&S 2000a	**Oct-99**	**B-49**	**1,3,5-Trimethylbenzene**	**9,600**		**400**		**24**
TV-F&S 2000a	Oct-99	B-46	1,3,5-Trimethylbenzene	1,700		400		4.3
TV-F&S 2000a	**Nov-98**	**B-42**	**1,4-Dichlorobenzene**	**290**		**1.8**	**21**	**161**
TV-F&S 2000a	**Nov-98**	**B-12**	**1,4-Dichlorobenzene**	**140**		**1.8**	**21**	**78**
TV-F&S 2000a	**Oct-99**	**B-47 (DUP)**	**1,4-Dichlorobenzene**	**140**		**1.8**	**21**	**78**
TV-F&S 2000a	**Oct-99**	**B-42**	**1,4-Dichlorobenzene**	**120**		**1.8**	**21**	**67**
TV-F&S 2000a	**Nov-98**	**B-42**	**1,4-Dichlorobenzene**	**110**		**1.8**	**21**	**61**
TV-F&S 2000a	**Oct-99**	**B-47**	**1,4-Dichlorobenzene**	**100**		**1.8**	**21**	**56**
Hart Crowser 1992b	**May-92**	**B-29**	**1,4-Dichlorobenzene**	**70**		**1.8**	**21**	**39**

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	**Nov-98**	**B-52**	**1,4-Dichlorobenzene**	**67**		**1.8**	**21**	**37**
TV-F&S 2000a	**Nov-98**	**B-12**	**1,4-Dichlorobenzene**	**63**		**1.8**	**21**	**35**
TV-F&S 2000a	**Nov-98**	**B-46**	**1,4-Dichlorobenzene**	**54**		**1.8**	**21**	**30**
Ecology 1993b	**Jun-93**	**278092**	**1,4-Dichlorobenzene**	**49**	**J**	**1.8**	**21**	**27**
TV-F&S 2000a	**Nov-98**	**B-52**	**1,4-Dichlorobenzene**	**39**		**1.8**	**21**	**22**
TV-F&S 2000a	**Nov-98**	**B-52 (DUP)**	**1,4-Dichlorobenzene**	**37**		**1.8**	**21**	**21**
Ecology 1993c	**Jul-93**	**B-27**	**1,4-Dichlorobenzene**	**36**	**J**	**1.8**	**21**	**20**
TV-F&S 2000a	**Nov-98**	**B-49**	**1,4-Dichlorobenzene**	**36**		**1.8**	**21**	**20**
TV-F&S 2000a	**Nov-99**	**B-12**	**1,4-Dichlorobenzene**	**36**		**1.8**	**21**	**20**
TV-F&S 2000a	**Oct-99**	**B-46**	**1,4-Dichlorobenzene**	**33**		**1.8**	**21**	**18**
TV-F&S 2000a	**Oct-99**	**B-49**	**1,4-Dichlorobenzene**	**28**		**1.8**	**21**	**16**
TV-F&S 2000a	**Oct-99**	**B-44**	**1,4-Dichlorobenzene**	**23**		**1.8**	**21**	**13**
TV-F&S 2000a	**Oct-99**	**B-39**	**1,4-Dichlorobenzene**	**22**	**J**	**1.8**	**21**	**12**
TV-F&S 2000a	**Oct-99**	**B-52**	**1,4-Dichlorobenzene**	**20**		**1.8**	**21**	**11**
Ecology 1993c	Jul-93	B-50	1,4-Dichlorobenzene	17	J	1.8	21	9.4
TV-F&S 2000a	Jul-99	B-58	1,4-Dichlorobenzene	7.4		1.8	21	4.1
Ecology 1993b	Jun-93	278092	1,4-Dichlorobenzene	5	J	1.8	21	2.8
TV-F&S 2000a	Oct-99	B-21	1,4-Dichlorobenzene	4.4		1.8	21	2.4
TV-F&S 2000a	Jul-99	B-58	1,4-Dichlorobenzene	3.3		1.8	21	1.8
Ecology 1993b	Jun-93	278094	1,4-Dichlorobenzene	3	J	1.8	21	1.7
TV-F&S 2000a	Oct-99	B-58 (DUP)	1,4-Dichlorobenzene	2		1.8	21	1.1
TV-F&S 2000a	Oct-99	B-58	1,4-Dichlorobenzene	1.8		1.8	21	1.0
Hart Crowser 1992b	May-92	B-29	2,4-Dimethylphenol	500		160		3.1
Hart Crowser 1992b	May-92	B-15	2,4-Dimethylphenol	480		160		3.0
Hart Crowser 1992b	**May-92**	**B-15**	**2-Butanone**	**170,000**		**4,800**		**35**
Hart Crowser 1992b	May-92	B-11	2-Butanone	6,700		4,800		1.4
Ecology 1993b	Jun-93	278092	2-Butanone	5,500		4,800		1.1
Ecology 1993c	Jul-93	B-27	2-Butanone	4,800	J	4,800		1.0
Hart Crowser 1992b	May-92	B-10A	2-Methylnaphthalene	91		32	31	2.9
Hart Crowser 1992b	**May-92**	**B-29**	**2-Methylphenol**	**750**		**400**	**7.1**	**106**
Hart Crowser 1992b	**May-92**	**B-11**	**2-Methylphenol**	**630**		**400**	**7.1**	**89**
Hart Crowser 1992b	**May-92**	**B-15**	**2-Methylphenol**	**440**		**400**	**7.1**	**62**
Ecology 1993b	**Jun-93**	**278092**	**2-Methylphenol**	**270**		**400**	**7.1**	**38**
Ecology 1993b	**Jun-93**	**278091**	**2-Methylphenol**	**210**	**J**	**400**	**7.1**	**30**
Ecology 1993c	**Jul-93**	**B-27**	**2-Methylphenol**	**210**		**400**	**7.1**	**30**

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Ecology 1993c	**Jul-93**	**B-49**	**2-Methylphenol**	**140**		**400**	**7.1**	**20**
Hart Crowser 1992b	**May-92**	**B-30**	**2-Methylphenol**	**110**		**400**	**7.1**	**15**
TV-F&S 2000a	Oct-99	B-49	2-Methylphenol	67		400	7.1	9.4
Ecology 1993b	Jun-93	278094	2-Methylphenol	66		400	7.1	9.3
TV-F&S 2000a	Nov-99	B-31	2-Methylphenol	60		400	7.1	8.5
TV-F&S 2000a	Nov-98	B-49	2-Methylphenol	52		400	7.1	7.3
TV-F&S 2000a	Oct-99	B-47 (DUP)	2-Methylphenol	52		400	7.1	7.3
Ecology 1993c	Jul-93	B-50	2-Methylphenol	47		400	7.1	6.6
TV-F&S 2000a	Oct-99	B-47	2-Methylphenol	39		400	7.1	5.5
Hart Crowser 1992b	May-92	B-16	2-Methylphenol	34		400	7.1	4.8
TV-F&S 2000a	Nov-98	B-39	2-Methylphenol	31		400	7.1	4.4
TV-F&S 2000a	Nov-98	B-42	2-Methylphenol	29		400	7.1	4.1
TV-F&S 2000a	Oct-99	B-42	2-Methylphenol	28		400	7.1	3.9
ATI 1991b	Sep-91	B-16	2-Methylphenol	27		400	7.1	3.8
TV-F&S 2000a	Oct-98	B-20	2-Methylphenol	27		400	7.1	3.8
TV-F&S 2000a	Oct-98	B-44	2-Methylphenol	20		400	7.1	2.8
TV-F&S 2000a	Nov-99	B-12	2-Methylphenol	19		400	7.1	2.7
TV-F&S 2000a	Oct-99	B-44	2-Methylphenol	18		400	7.1	2.5
TV-F&S 2000a	Nov-98	B-46	2-Methylphenol	14		400	7.1	2.0
TV-F&S 2000a	Oct-99	B-52	2-Methylphenol	11		400	7.1	1.5
TV-F&S 2000a	Oct-99	B-39	2-Methylphenol	11	J	400	7.1	1.5
TV-F&S 2000a	Oct-99	B-46	2-Methylphenol	9.1		400	7.1	1.3
Ecology 1993c	Jul-93	B-48	2-Methylphenol	9	J	400	7.1	1.3
Ecology 1993c	Jul-93	B-48 (DUP)	2-Methylphenol	8	J	400	7.1	1.1
TV-F&S 2000a	Nov-98	B-12	2-Methylphenol	7.5		400	7.1	1.1
Ecology 1993b	**Jun-93**	**278091**	**4-Methyl-2-Pentanone**	**14,000**		**640**		**22**
Ecology 1993c	**Jul-93**	**B-27**	**4-Methyl-2-Pentanone**	**7,700**		**640**		**12**
Ecology 1993c	**Jul-93**	**B-49**	**4-Methyl-2-Pentanone**	**7,000**		**640**		**11**
Ecology 1993b	**Jun-93**	**278092**	**4-Methyl-2-Pentanone**	**6,800**		**640**		**11**
Hart Crowser 1992b	May-92	B-30	4-Methyl-2-Pentanone	5,800		640		9.1
Hart Crowser 1992b	May-92	B-15	4-Methyl-2-Pentanone	4,500		640		7.0
Hart Crowser 1997	Dec-96	B-44	4-Methyl-2-Pentanone	1,500		640		2.3
Ecology 1993b	Jun-93	278094	4-Methyl-2-Pentanone	1,300	J	640		2.0
Hart Crowser 1997	Dec-96	B-39	4-Methyl-2-Pentanone	1,000		640		1.6
Hart Crowser 1992b	May-92	B-16	4-Methyl-2-Pentanone	870	J	640		1.4

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1992b	**May-92**	**B-15**	**Acetone**	**18,000**		**800**		**23**
Ecology 1993b	**Jun-93**	**278091**	**Acetone**	**17,000**		**800**		**21**
Ecology 1993b	**Jun-93**	**278092**	**Acetone**	**13,000**		**800**		**16**
Hart Crowser 1992b	**May-92**	**B-11**	**Acetone**	**11,000**	**B**	**800**		**14**
Ecology 1993c	**Jul-93**	**B-27**	**Acetone**	**10,000**	**J**	**800**		**13**
Hart Crowser 1992b	**May-92**	**B-31**	**Acetone**	**10,000**	**B**	**800**		**13**
Hart Crowser 1992b	May-92	B-16	Acetone	7,200	B	800		9.0
Ecology 1993c	Jul-93	B-49	Acetone	5,700	J	800		7.1
Ecology 1993b	Jun-93	278094	Acetone	3,300		800		4.1
Ecology 1993b	Jun-93	278094 (DUP)	Acetone	3,000	J	800		3.8
Hart Crowser 1992b	May-92	B-8	Acetone	1,200	B	800		1.5
Hart Crowser 1992b	May-92	B-20	Acetone	820	B	800		1.0
Hart Crowser 1992b	May-92	B-30	Arsenic (dissolved)	22		5	370	4.4
Hart Crowser 1992b	May-92	B-16	Arsenic (dissolved)	19		5	370	3.8
Hart Crowser 1992b	May-92	B-31	Arsenic (dissolved)	18		5	370	3.6
Hart Crowser 1992b	May-92	B-18	Arsenic (dissolved)	7.1		5	370	1.4
Hart Crowser 1992b	May-92	B-20	Arsenic (dissolved)	7		5	370	1.4
Hart Crowser 1992b	May-92	B-15	Arsenic (dissolved)	6.6		5	370	1.3
Hart Crowser 1992b	May-92	B-1	Arsenic (dissolved)	6.2		5	370	1.2
Hart Crowser 1992b	**May-92**	**B-15**	**Arsenic (total)**	**140**		**5**	**370**	**28**
Hart Crowser 1992b	May-92	B-24	Arsenic (total)	49		5	370	9.8
Hart Crowser 1992b	May-92	B-23	Arsenic (total)	42		5	370	8.4
Hart Crowser 1992b	May-92	B-31	Arsenic (total)	39		5	370	7.8
Hart Crowser 1992b	May-92	B-16	Arsenic (total)	24		5	370	4.8
Hart Crowser 1992b	May-92	B-22	Arsenic (total)	22		5	370	4.4
Hart Crowser 1992b	May-92	B-30	Arsenic (total)	20		5	370	4.0
Hart Crowser 1992b	May-92	B-1	Arsenic (total)	17		5	370	3.4
Hart Crowser 1992b	May-92	B-26	Arsenic (total)	13		5	370	2.6
Hart Crowser 1992b	May-92	B-18	Arsenic (total)	11		5	370	2.2
Hart Crowser 1992b	May-92	B-14	Arsenic (total)	10		5	370	2.0
Hart Crowser 1992b	May-92	B-11	Arsenic (total)	9.7		5	370	1.9
Hart Crowser 1992b	May-92	B-20	Arsenic (total)	8		5	370	1.6
Hart Crowser 1992b	May-92	B-29	Arsenic (total)	5.3		5	370	1.1
Hart Crowser 1992b	May-92	B-27	Arsenic (total)	5.2		5	370	1.0
Hart Crowser 1992b	**May-92**	**B-30**	**Benzene**	**1,300**		**0.8**		**1,625**

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Ecology 1993b	**Jun-93**	**278092**	**Benzene**	**710**		**0.8**		**888**
Hart Crowser 1992b	**May-92**	**B-31**	**Benzene**	**630**		**0.8**		**788**
Ecology 1993b	**Jun-93**	**278091**	**Benzene**	**600**		**0.8**		**750**
TV-F&S 2000a	**Nov-98**	**B-49**	**Benzene**	**440**		**0.8**		**550**
Hart Crowser 1997	**Dec-96**	**B-44**	**Benzene**	**310**		**0.8**		**388**
TV-F&S 2000a	**Oct-98**	**B-20**	**Benzene**	**300**		**0.8**		**375**
Hart Crowser 1997	**Dec-96**	**B-39**	**Benzene**	**210**		**0.8**		**263**
Hart Crowser 1992b	**May-92**	**B-29**	**Benzene**	**190**		**0.8**		**238**
TV-F&S 2000a	**Oct-98**	**B-44**	**Benzene**	**170**		**0.8**		**213**
TV-F&S 2000a	**Oct-98**	**B-21**	**Benzene**	**130**		**0.8**		**163**
TV-F&S 2000a	**Nov-98**	**B-12**	**Benzene**	**120**		**0.8**		**150**
Hart Crowser 1992b	**May-92**	**B-15**	**Benzene**	**120**		**0.8**		**150**
Hart Crowser 1997	**Dec-96**	**B-10A**	**Benzene**	**88**	**J**	**0.8**		**110**
Hart Crowser 1997	**Dec-96**	**B-20**	**Benzene**	**88**		**0.8**		**110**
TV-F&S 2000a	**Oct-98**	**B-35**	**Benzene**	**64**		**0.8**		**80**
Hart Crowser 1997	**Dec-96**	**B-35**	**Benzene**	**56**		**0.8**		**70**
Hart Crowser 1997	**Dec-96**	**B-31**	**Benzene**	**43**		**0.8**		**54**
Hart Crowser 1997	**Dec-96**	**B-21**	**Benzene**	**29**		**0.8**		**36**
TV-F&S 2000a	**Nov-98**	**B-52**	**Benzene**	**21**		**0.8**		**26**
Hart Crowser 1992b	**May-92**	**B-5**	**Benzene**	**21**		**0.8**		**26**
Hart Crowser 1992b	**May-92**	**B-5 (DUP)**	**Benzene**	**21**		**0.8**		**26**
Hart Crowser 1992b	**May-92**	**B-20**	**Benzene**	**20**		**0.8**		**25**
Hart Crowser 1997	**Dec-96**	**B-33A**	**Benzene**	**18**	**J**	**0.8**		**23**
ATI 1991b	**Sep-91**	**B-16**	**Benzene**	**17**		**0.8**		**21**
Hart Crowser 1997	**Dec-96**	**B-45**	**Benzene**	**15**		**0.8**		**19**
Hart Crowser 1992b	**May-92**	**B-21**	**Benzene**	**15**		**0.8**		**19**
TV-F&S 2000a	**Jul-99**	**B-65**	**Benzene**	**8.7**		**0.8**		**11**
TV-F&S 2000a	**Jul-99**	**B-63**	**Benzene**	**8.1**		**0.8**		**10**
ATI 1991b	**Sep-91**	**B-17**	**Benzene**	**8**		**0.8**		**10**
TV-F&S 2000a	Jul-99	B-63 (DUP)	Benzene	7.5		0.8		9.4
TV-F&S 2000a	Jul-99	B-61	Benzene	6.2		0.8		7.8
Hart Crowser 1992b	May-92	B-27	Benzene	5		0.8		6.3
TV-F&S 2000a	Oct-99	B-26	Benzene	3.7		0.8		4.6
TV-F&S 2000a	Jul-99	TW-2	Benzene	3.1		0.8		3.9
TV-F&S 2000a	Oct-98	B-8	Benzene	3		0.8		3.8

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1992b	May-92	B-17	Benzene	3		0.8		3.8
Hart Crowser 1992b	May-92	B-6	Benzene	3		0.8		3.8
TV-F&S 2000a	Oct-99	B-36	Benzene	2.7		0.8		3.4
Hart Crowser 1997	Dec-96	B-36	Benzene	2		0.8		2.5
Hart Crowser 1997	Dec-96	B-24	Benzene	2		0.8		2.5
Hart Crowser 1992b	May-92	B-19	Benzene	2		0.8		2.5
Hart Crowser 1992b	May-92	B-24	Benzene	2		0.8		2.5
Hart Crowser 1992b	May-92	B-25	Benzene	2		0.8		2.5
Hart Crowser 1992b	May-92	B-72	Benzene	2		0.8		2.5
TV-F&S 2000a	Oct-98	B-36	Benzene	1.3		0.8		1.6
TV-F&S 2000a	Oct-98	B-36 (DUP)	Benzene	1.3		0.8		1.6
TV-F&S 2000a	Nov-98	B-18	Benzene	1.2		0.8		1.5
Hart Crowser 1990b	1990	B-8	Benzene	0.89		0.8		1.1
Ecology 1993b	Jun-93	278092	Benzo(a)anthracene	2	J		0.63	3.2
Hart Crowser 1997	**Dec-96**	**B-31**	**Bis(2-Ethylhexyl)Phthalate**	**76**		**6.3**	**0.47**	**162**
Hart Crowser 1992b	**May-92**	**B-72**	**Bis(2-Ethylhexyl)Phthalate**	**60**		**6.3**	**0.47**	**128**
Hart Crowser 1992b	**May-92**	**B-25**	**Bis(2-Ethylhexyl)Phthalate**	**36**		**6.3**	**0.47**	**77**
Hart Crowser 1992b	**May-92**	**B-8**	**Bis(2-Ethylhexyl)Phthalate**	**25**		**6.3**	**0.47**	**53**
Hart Crowser 1992b	**May-92**	**B-5 (DUP)**	**Bis(2-Ethylhexyl)Phthalate**	**20**		**6.3**	**0.47**	**43**
Hart Crowser 1992b	**May-92**	**B-17**	**Bis(2-Ethylhexyl)Phthalate**	**18**		**6.3**	**0.47**	**38**
Hart Crowser 1992b	**May-92**	**B-20**	**Bis(2-Ethylhexyl)Phthalate**	**17**		**6.3**	**0.47**	**36**
Hart Crowser 1992b	**May-92**	**B-27**	**Bis(2-Ethylhexyl)Phthalate**	**17**		**6.3**	**0.47**	**36**
Hart Crowser 1992b	**May-92**	**B-23 (DUP)**	**Bis(2-Ethylhexyl)Phthalate**	**12**		**6.3**	**0.47**	**26**
Hart Crowser 1997	**Dec-96**	**B-8**	**Bis(2-Ethylhexyl)Phthalate**	**11**		**6.3**	**0.47**	**23**
Hart Crowser 1992b	**May-92**	**B-21**	**Bis(2-Ethylhexyl)Phthalate**	**11**		**6.3**	**0.47**	**23**
Hart Crowser 1992b	**May-92**	**B-23**	**Bis(2-Ethylhexyl)Phthalate**	**11**		**6.3**	**0.47**	**23**
Hart Crowser 1992b	**May-92**	**B-19**	**Bis(2-Ethylhexyl)Phthalate**	**10**		**6.3**	**0.47**	**21**
TV-F&S 2000a	**Jul-99**	**B-58**	**Bis(2-Ethylhexyl)Phthalate**	**8.8**		**6.3**	**0.47**	**19**
ATI 1991b	**Sep-91**	**B-17**	**Bis(2-Ethylhexyl)Phthalate**	**8.5**	**J**	**6.3**	**0.47**	**18**
Ecology 1993b	Jun-93	278093	Bis(2-Ethylhexyl)Phthalate	3	J	6.3	0.47	6.4
TV-F&S 2000a	Feb-99	B-53	Bis(2-Ethylhexyl)Phthalate	2.1		6.3	0.47	4.5
TV-F&S 2000a	Jul-99	B-59	Bis(2-Ethylhexyl)Phthalate	1.6		6.3	0.47	3.4
TV-F&S 2000a	Feb-99	B-57	Bis(2-Ethylhexyl)Phthalate	1.6		6.3	0.47	3.4
TV-F&S 2000a	Jul-99	B-61	Bis(2-Ethylhexyl)Phthalate	1.5		6.3	0.47	3.2
TV-F&S 2000a	Oct-98	B-36 (DUP)	bis(2-Ethylhexyl)phthalate	1.1		6.3	0.47	2.3

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	Feb-99	B-28	Bis(2-Ethylhexyl)Phthalate	1.1		6.3	0.47	2.3
TV-F&S 2000a	Nov-98	B-42	bis(2-Ethylhexyl)phthalate	1		6.3	0.47	2.1
TV-F&S 2000a	Feb-99	B-56	Bis(2-Ethylhexyl)Phthalate	1		6.3	0.47	2.1
Hart Crowser 1992b	May-92	B-25	Cadmium (dissolved)	5.8		5	3.4	1.7
Hart Crowser 1992b	May-92	B-9	Cadmium (total)	16		5	3.4	4.7
Hart Crowser 1992b	May-92	B-15	Cadmium (total)	7.9		5	3.4	2.3
Hart Crowser 1992b	May-92	B-72	Cadmium (total)	7		5	3.4	2.1
Hart Crowser 1992b	May-92	B-19	Cadmium (total)	6.6		5	3.4	1.9
Hart Crowser 1992b	May-92	B-8	Cadmium (total)	4.1		5	3.4	1.2
Ecology 1993c	Jul-93	B-49	Carbazole	23	J	4.4		5.2
Ecology 1993b	Jun-93	278092	Carbazole	13	J	4.4		3.0
Ecology 1993b	Jun-93	278091	Chloroform	66	J	7.2		9.2
Hart Crowser 1992b	May-92	B-30	Chloroform	61		7.2		8.5
Ecology 1993b	Jun-93	278092	Chloroform	52	J	7.2		7.2
Hart Crowser 1997	Dec-96	B-44	Chloroform	26		7.2		3.6
Hart Crowser 1992b	May-92	B-27	Chloroform	20		7.2		2.8
Hart Crowser 1997	Dec-96	B-39	Chloroform	19		7.2		2.6
TV-F&S 2000a	Jul-99	B-63 (DUP)	Chloroform	14		7.2		1.9
Hart Crowser 1990b	Jun-05	B-7	Chloroform	13		7.2		1.8
TV-F&S 2000a	Jul-99	B-63	Chloroform	13		7.2		1.8
Hart Crowser 1992b	May-92	B-72	Chloroform	13		7.2		1.8
Hart Crowser 1997	Dec-96	B-31	Chloroform	12		7.2		1.7
Hart Crowser 1992b	May-92	B-19	Chloroform	12		7.2		1.7
Hart Crowser 1992b	**May-92**	**B-15**	**Chromium (total)**	**16,000**		**50**	**320**	**320**
Hart Crowser 1992b	May-92	B-11	Chromium (total)	140		50	320	2.8
Hart Crowser 1992b	May-92	B-31	Chromium (total)	140		50	320	2.8
Hart Crowser 1992b	May-92	B-16	Chromium (total)	110		50	320	2.2
Hart Crowser 1992b	May-92	B-22	Chromium (total)	94		50	320	1.9
Hart Crowser 1992b	May-92	B-30	Chromium (total)	94		50	320	1.9
Hart Crowser 1992b	May-92	B-23	Chromium (total)	92		50	320	1.8
Hart Crowser 1992b	May-92	B-14	Chromium (total)	69		50	320	1.4
Hart Crowser 1992b	May-92	B-24	Chromium (total)	68		50	320	1.4
Hart Crowser 1992b	May-92	B-1	Chromium (total)	61		50	320	1.2
Hart Crowser 1992b	May-92	B-26	Chromium (total)	59		50	320	1.2
Hart Crowser 1993a	**Jul-93**	**B-47 (DUP)**	**cis-1,2-DCE**	**75,000**		**80**		**938**

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1993a	Jul-93	B-50	cis-1,2-DCE	74,000		80		925
Hart Crowser 1993a	Jul-93	B-47	cis-1,2-DCE	72,000		80		900
Hart Crowser 1993a	Jun-93	B-46	cis-1,2-DCE	61,000		80		763
Hart Crowser 1993a	Jun-93	B-44	cis-1,2-DCE	58,000		80		725
TV-F&S 2000a	Jul-99	B-65	cis-1,2-DCE	47,000		80		588
TV-F&S 2000a	Oct-99	B-65	cis-1,2-DCE	40,000	J	80		500
Hart Crowser 1993a	Jun-93	B-43	cis-1,2-DCE	38,000		80		475
Hart Crowser 1993a	Jul-93	B-49	cis-1,2-DCE	34,000		80		425
TV-F&S 2000a	Oct-99	B-47	cis-1,2-DCE	33,000		80		413
TV-F&S 2000a	Oct-99	B-47 (DUP)	cis-1,2-DCE	29,000		80		363
TV-F&S 2000a	Oct-99	B-21	cis-1,2-DCE	28,000		80		350
TV-F&S 2000a	Oct-99	B-42	cis-1,2-DCE	28,000		80		350
Hart Crowser 1993a	Aug-93	B-52 (DUP)	cis-1,2-DCE	27,000		80		338
TV-F&S 2000a	Jul-99	B-61	cis-1,2-DCE	27,000	J	80		338
TV-F&S 2000a	Oct-98	B-33A	cis-1,2-DCE	26,000		80		325
TV-F&S 2000a	Nov-98	B-46 BAL	cis-1,2-DCE	26,000		80		325
Hart Crowser 1993a	Aug-93	B-52	cis-1,2-DCE	25,000		80		313
TV-F&S 2000a	Oct-99	B-49	cis-1,2-DCE	25,000		80		313
Hart Crowser 1993a	Aug-93	B-51	cis-1,2-DCE	23,000		80		288
TV-F&S 2000a	Oct-98	B-20	cis-1,2-DCE	23,000		80		288
TV-F&S 2000a	Oct-98	B-21	cis-1,2-DCE	23,000		80		288
TV-F&S 2000a	Oct-99	B-58	cis-1,2-DCE	22,000		80		275
TV-F&S 2000a	Oct-99	B-61	cis-1,2-DCE	22,000		80		275
TV-F&S 2000a	Nov-98	B-46	cis-1,2-DCE	21,000		80		263
TV-F&S 2000a	Jul-99	B-58	cis-1,2-DCE	21,000		80		263
TV-F&S 2000a	Oct-99	B-45	cis-1,2-DCE	21,000		80		263
TV-F&S 2000a	Oct-99	B-33A	cis-1,2-DCE	21,000		80		263
TV-F&S 2000a	Oct-99	B-45 (DUP)	cis-1,2-DCE	20,000		80		250
TV-F&S 2000a	Oct-99	B-58 (DUP)	cis-1,2-DCE	18,000	J	80		225
TV-F&S 2000a	Nov-98	B-12	cis-1,2-DCE	16,000		80		200
TV-F&S 2000a	Oct-98	B-44	cis-1,2-DCE	15,000		80		188
TV-F&S 2000a	Nov-98	B-42	cis-1,2-DCE	14,000		80		175
TV-F&S 2000a	Nov-98	B-45	cis-1,2-DCE	14,000		80		175
TV-F&S 2000a	Nov-98	B-45 BAL	cis-1,2-DCE	14,000		80		175
TV-F&S 2000a	Nov-98	B-49	cis-1,2-DCE	14,000		80		175

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	**Oct-99**	**B-33A (DUP)**	**cis-1,2-DCE**	**14,000**		**80**		**175**
TV-F&S 2000a	**Nov-99**	**B-11**	**cis-1,2-DCE**	**14,000**		**80**		**175**
Hart Crowser 1993a	**Jul-93**	**B-48**	**cis-1,2-DCE**	**13,000**		**80**		**163**
TV-F&S 2000a	**Oct-99**	**B-52**	**cis-1,2-DCE**	**13,000**	**J**	**80**		**163**
TV-F&S 2000a	**Oct-99**	**B-10A**	**cis-1,2-DCE**	**13,000**		**80**		**163**
TV-F&S 2000a	**Oct-99**	**B-46**	**cis-1,2-DCE**	**13,000**		**80**		**163**
TV-F&S 2000a	**Nov-98**	**B-39**	**cis-1,2-DCE**	**12,000**		**80**		**150**
TV-F&S 2000a	**Oct-99**	**B-39**	**cis-1,2-DCE**	**11,000**	**J**	**80**		**138**
TV-F&S 2000a	**Oct-99**	**B-44**	**cis-1,2-DCE**	**10,000**		**80**		**125**
TV-F&S 2000a	**Nov-98**	**B-52**	**cis-1,2-DCE**	**8,300**		**80**		**104**
TV-F&S 2000a	**Nov-98**	**B-10A**	**cis-1,2-DCE**	**6,400**		**80**		**80**
TV-F&S 2000a	**Nov-98**	**B-52 (DUP)**	**cis-1,2-DCE**	**6,200**		**80**		**78**
TV-F&S 2000a	**Oct-99**	**B-18**	**cis-1,2-DCE**	**6,000**		**80**		**75**
TV-F&S 2000a	**Oct-99**	**B-63**	**cis-1,2-DCE**	**5,400**		**80**		**68**
TV-F&S 2000a	**Nov-99**	**B-12**	**cis-1,2-DCE**	**4,500**		**80**		**56**
Hart Crowser 1993a	**Jun-93**	**B-45**	**cis-1,2-DCE**	**4,400**		**80**		**55**
Hart Crowser 1993a	**Jun-93**	**B-45 (DUP)**	**cis-1,2-DCE**	**4,200**		**80**		**53**
TV-F&S 2000a	**Jul-99**	**B-63**	**cis-1,2-DCE**	**3,700**		**80**		**46**
TV-F&S 2000a	**Jul-99**	**B-63 (DUP)**	**cis-1,2-DCE**	**3,500**		**80**		**44**
TV-F&S 2000a	**Oct-99**	**B-15**	**cis-1,2-DCE**	**2,100**		**80**		**26**
TV-F&S 2000a	**Oct-98**	**B-8**	**cis-1,2-DCE**	**1,500**		**80**		**19**
TV-F&S 2000a	**Oct-99**	**B-60**	**cis-1,2-DCE**	**960**		**80**		**12**
TV-F&S 2000a	**Oct-99**	**B-62**	**cis-1,2-DCE**	**930**		**80**		**12**
TV-F&S 2000a	Jul-99	TW-3 (DUP)	cis-1,2-DCE	780		80		9.8
TV-F&S 2000a	Jul-99	TW-3	cis-1,2-DCE	780		80		9.8
TV-F&S 2000a	Oct-99	B-8	cis-1,2-DCE	660		80		8.3
TV-F&S 2000a	Jul-99	TW-2	cis-1,2-DCE	640		80		8.0
TV-F&S 2000a	Jul-99	TW-5	cis-1,2-DCE	550		80		6.9
TV-F&S 2000a	Oct-99	B-16	cis-1,2-DCE	460		80		5.8
TV-F&S 2000a	Oct-99	B-35	cis-1,2-DCE	450		80		5.6
TV-F&S 2000a	Nov-99	B-31	cis-1,2-DCE	450		80		5.6
TV-F&S 2000a	Dec-98	B-22	cis-1,2-DCE	403		80		5.0
TV-F&S 2000a	Nov-98	B-18	cis-1,2-DCE	360		80		4.5
TV-F&S 2000a	Jul-99	B-59	cis-1,2-DCE	350		80		4.4
TV-F&S 2000a	Feb-99	B-22	cis-1,2-DCE	320		80		4.0

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	Oct-99	B-36	cis-1,2-DCE	290		80		3.6
TV-F&S 2000a	Oct-99	B-59	cis-1,2-DCE	280		80		3.5
TV-F&S 2000a	Jul-99	B-60	cis-1,2-DCE	220		80		2.8
TV-F&S 2000a	Oct-99	B-22	cis-1,2-DCE	190		80		2.4
TV-F&S 2000a	Oct-99	B-54	cis-1,2-DCE	150		80		1.9
TV-F&S 2000a	Jul-99	B-13	cis-1,2-DCE	120		80		1.5
TV-F&S 2000a	Apr-99	B-13	cis-1,2-DCE	100		80		1.3
TV-F&S 2000a	Jul-99	TW-1	cis-1,2-DCE	95		80		1.2
TV-F&S 2000a	Jul-99	TW-6	cis-1,2-DCE	86		80		1.1
Ecology 1993b	Jun-93	278092	Chrysene	2	J		1.9	1.1
Hart Crowser 1992b	May-92	B-15	Copper (total)	1,100		590	120	9.2
Hart Crowser 1992b	May-92	B-31	Copper (total)	290		590	120	2.4
Hart Crowser 1992b	May-92	B-22	Copper (total)	130		590	120	1.1
Hart Crowser 1992b	May-92	B-24	Copper (total)	130		590	120	1.1
Hart Crowser 1992b	May-92	B-11	Copper (total)	120		590	120	1.0
Hart Crowser 1992b	May-92	B-23	Copper (total)	120		590	120	1.0
Ecology 1993c	Jul-93	B-49	Dibenzofuran	24	J	32	5.1	4.7
Hart Crowser 1992b	**May-92**	**B-31**	**Diesel-Range Hydrocarbons**	**19,000**		**500**		**38**
Hart Crowser 1992b	**May-92**	**B-24**	**Diesel-Range Hydrocarbons**	**7,000**		**500**		**14**
Hart Crowser 1992b	May-92	B-10A (DUP)	Diesel-Range Hydrocarbons	4,000		500		8.0
TV-F&S 2001a	Jul-00	AGI-2	Diesel-Range Hydrocarbons	3,400		500		6.8
Hart Crowser 1992b	May-92	B-10A	Diesel-Range Hydrocarbons	2,000		500		4.0
Hart Crowser 1992b	May-92	B-29	Diesel-Range Hydrocarbons	2,000		500		4.0
Hart Crowser 1992b	May-92	B-11	Diesel-Range Hydrocarbons	1,000		500		2.0
TV-F&S 2001a	Jul-00	NW-6	Diesel-Range Hydrocarbons	660		500		1.3
TV-F&S 2000a	Nov-98	B-49	Ethylbenzene	2,200		700		3.1
Ecology 1993c	Jul-93	B-27	Ethylbenzene	2,000	J	700		2.9
TV-F&S 2000a	Nov-98	B-42	Ethylbenzene	1,800		700		2.6
Hart Crowser 1997	Dec-96	B-10A	Ethylbenzene	1,700		700		2.4
TV-F&S 2000a	Oct-99	B-47	Ethylbenzene	1,700		700		2.4
TV-F&S 2000a	Oct-99	B-47 (DUP)	Ethylbenzene	1,700		700		2.4
Ecology 1993b	Jun-93	278091	Ethylbenzene	1,500		700		2.1
Ecology 1993b	Jun-93	278092	Ethylbenzene	1,400		700		2.0
TV-F&S 2000a	Oct-98	B-21	Ethylbenzene	1,400		700		2.0
TV-F&S 2000a	Oct-98	B-44	Ethylbenzene	1,300		700		1.9

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1992b	May-92	B-30	Ethylbenzene	1,200		700		1.7
TV-F&S 2000a	Nov-98	B-12	Ethylbenzene	1,100		700		1.6
Hart Crowser 1992b	May-92	B-16	Ethylbenzene	1,100		700		1.6
TV-F&S 2000a	Nov-98	B-39	Ethylbenzene	1,000		700		1.4
TV-F&S 2000a	Oct-99	B-42	Ethylbenzene	1,000		700		1.4
ATI 1991b	Sep-91	B-16	Ethylbenzene	970		700		1.4
Hart Crowser 1992b	May-92	B-10A	Ethylbenzene	940		700		1.3
Ecology 1993c	Jul-93	B-49	Ethylbenzene	910	J	700		1.3
Hart Crowser 1997	Dec-96	B-21	Ethylbenzene	900		700		1.3
Hart Crowser 1992b	May-92	B-21	Ethylbenzene	800		700		1.1
Hart Crowser 1997	Dec-96	B-31	Ethylbenzene	790		700		1.1
TV-F&S 2000a	Oct-98	B-20	Ethylbenzene	740		700		1.1
Hart Crowser 1997	Dec-96	B-44	Ethylbenzene	700		700		1.0
Hart Crowser 1992b	May-92	B-15	Ethylene Glycol	22,000		16,000		1.4
Ecology 1993c	Jul-93	B-49	Fluorene	32	J	640	7.0	4.6
Hart Crowser 1992b	**May-92**	**B-30**	**Gasoline-Range Hydrocarbons**	**120,000**		**800**		**150**
Hart Crowser 1992b	**May-92**	**B-31**	**Gasoline-Range Hydrocarbons**	**90,000**		**800**		**113**
Hart Crowser 1992b	**May-92**	**B-15**	**Gasoline-Range Hydrocarbons**	**64,000**		**800**		**80**
Hart Crowser 1992b	**May-92**	**B-11**	**Gasoline-Range Hydrocarbons**	**48,000**		**800**		**60**
Hart Crowser 1992b	**May-92**	**B-10A**	**Gasoline-Range Hydrocarbons**	**15,000**		**800**		**19**
Hart Crowser 1992b	**May-92**	**B-10A (DUP)**	**Gasoline-Range Hydrocarbons**	**9,000**		**800**		**11**
Hart Crowser 1992b	**May-92**	**B-29**	**Gasoline-Range Hydrocarbons**	**9,000**		**800**		**11**
Hart Crowser 1992b	**May-92**	**B-13**	**Gasoline-Range Hydrocarbons**	**8,000**		**800**		**10**
Hart Crowser 1992b	**May-92**	**B-21**	**Gasoline-Range Hydrocarbons**	**8,000**		**800**		**10**
Hart Crowser 1992b	May-92	B-16	Gasoline-Range Hydrocarbons	7,000		800		8.8
Hart Crowser 1992b	May-92	B-8	Gasoline-Range Hydrocarbons	3,000		800		3.8
TV-F&S 2001a	Jul-00	B-54	Gasoline-Range Hydrocarbons	1,600		800		2.0
TV-F&S 2001a	Jul-00	B-13	Gasoline-Range Hydrocarbons	1,500		800		1.9
Hart Crowser 1992b	May-92	B-20	Gasoline-Range Hydrocarbons	1,000		800		1.3
Hart Crowser 1992b	**May-92**	**B-15**	**Lead (total)**	**140**		**15**	**13**	**11**
Hart Crowser 1992b	May-92	B-24	Lead (total)	33		15	13	2.5
Hart Crowser 1992b	May-92	B-31	Lead (total)	33		15	13	2.5
Hart Crowser 1992b	May-92	B-14	Lead (total)	27		15	13	2.1
Hart Crowser 1992b	May-92	B-11	Lead (total)	26		15	13	2.0
Hart Crowser 1992b	May-92	B-23	Lead (total)	25		15	13	1.9

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1992b	May-92	B-22	Lead (total)	24		15	13	1.8
Hart Crowser 1992b	May-92	B-16	Lead (total)	21		15	13	1.6
Hart Crowser 1992b	May-92	B-26	Lead (total)	18		15	13	1.4
Hart Crowser 1992b	**May-92**	**B-15**	**Mercury (total)**	**6.2**		**2**	**0.0074**	**838**
Hart Crowser 1992b	**May-92**	**B-16**	**Mercury (total)**	**1.2**		**2**	**0.0074**	**162**
Hart Crowser 1992b	**May-92**	**B-31**	**Mercury (total)**	**0.5**		**2**	**0.0074**	**68**
Hart Crowser 1992b	**May-92**	**B-22**	**Mercury (total)**	**0.22**		**2**	**0.0074**	**30**
Hart Crowser 1992b	**May-92**	**B-23**	**Mercury (total)**	**0.22**		**2**	**0.0074**	**30**
Hart Crowser 1992b	**May-92**	**B-30**	**Methanol**	**40,000**		**4,000**		**10**
Hart Crowser 1992b	May-92	B-31	Methanol	8,000		4,000		2.0
Hart Crowser 1992b	May-92	B-11	Methanol	7,900		4,000		2.0
Hart Crowser 1992b	May-92	B-31 (DUP)	Methanol	7,300		4,000		1.8
Hart Crowser 1992b	May-92	B-16	Methanol	4,600		4,000		1.2
Hart Crowser 1993a	**Sep-92**	**B-30**	**Methylene Chloride**	**23,000**		**5**		**4,600**
Hart Crowser 1993a	**Aug-93**	**B-30**	**Methylene Chloride**	**16,000**		**5**		**3,200**
Hart Crowser 1993a	**Sep-92**	**B-31**	**Methylene Chloride**	**15,000**		**5**		**3,000**
Ecology 1993b	**Jun-93**	**278091**	**Methylene Chloride**	**15,000**		**5**		**3,000**
Ecology 1993c	**Jul-93**	**B-27**	**Methylene Chloride**	**15,000**		**5**		**3,000**
Hart Crowser 1993a	**Jul-93**	**B-47 (DUP)**	**Methylene Chloride**	**13,000**		**5**		**2,600**
Hart Crowser 1993a	**Jun-93**	**B-43**	**Methylene Chloride**	**12,000**		**5**		**2,400**
Hart Crowser 1993a	**Jul-93**	**B-47**	**Methylene Chloride**	**12,000**		**5**		**2,400**
Hart Crowser 1992b	**May-92**	**B-30**	**Methylene Chloride**	**12,000**		**5**		**2,400**
Hart Crowser 1993a	**Aug-93**	**B-31**	**Methylene Chloride**	**11,000**		**5**		**2,200**
Hart Crowser 1992b	**May-92**	**B-31**	**Methylene Chloride**	**11,000**	**B**	**5**		**2,200**
Ecology 1993b	**Jun-93**	**278092**	**Methylene Chloride**	**10,000**		**5**		**2,000**
Hart Crowser 1993a	**Jun-93**	**B-44**	**Methylene Chloride**	**9,700**		**5**		**1,940**
Ecology 1993c	**Jul-93**	**B-49**	**Methylene Chloride**	**9,600**		**5**		**1,920**
Hart Crowser 1993a	**Jul-93**	**B-49**	**Methylene Chloride**	**8,400**		**5**		**1,680**
Hart Crowser 1992b	**May-92**	**B-15**	**Methylene Chloride**	**7,500**	**B**	**5**		**1,500**
Hart Crowser 1997	**Oct-95**	**B-31**	**Methylene Chloride**	**6,900**	**J**	**5**		**1,380**
Hart Crowser 1993a	**Sep-92**	**B-15**	**Methylene Chloride**	**6,700**		**5**		**1,340**
Hart Crowser 1993a	**Aug-93**	**B-51**	**Methylene Chloride**	**3,800**		**5**		**760**
Hart Crowser 1997	**Oct-95**	**B-21**	**Methylene Chloride**	**2,000**	**JB**	**5**		**400**
Hart Crowser 1993a	**Aug-93**	**B-15**	**Methylene Chloride**	**1,500**		**5**		**300**
Ecology 1993b	**Jun-93**	**278094**	**Methylene Chloride**	**1,400**	**J**	**5**		**280**

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Ecology 1993b	**Jun-93**	**278094 (DUP)**	**Methylene Chloride**	**1,400**	**J**	**5**		**280**
Hart Crowser 1997	**Dec-96**	**B-44**	**Methylene Chloride**	**1,400**		**5**		**280**
Hart Crowser 1993a	**Jun-93**	**B-46**	**Methylene Chloride**	**1,300**		**5**		**260**
Ecology 1993c	**Jul-93**	**B-48**	**Methylene Chloride**	**1,200**	**J**	**5**		**240**
Ecology 1993c	**Jul-93**	**B-48 (DUP)**	**Methylene Chloride**	**1,200**	**J**	**5**		**240**
TV-F&S 2000a	**Oct-99**	**B-33A (DUP)**	**Methylene Chloride**	**1,200**		**5**		**240**
Hart Crowser 1997	**Oct-95**	**B-44**	**Methylene Chloride**	**1,100**	**B**	**5**		**220**
Hart Crowser 1993a	**Jul-93**	**B-48**	**Methylene Chloride**	**880**		**5**		**176**
Hart Crowser 1997	**Dec-96**	**B-39**	**Methylene Chloride**	**710**		**5**		**142**
TV-F&S 2000a	**Oct-99**	**B-58 (DUP)**	**Methylene Chloride**	**690**		**5**		**138**
Hart Crowser 1992b	**May-92**	**B-29**	**Methylene Chloride**	**270**	**JB**	**5**		**54**
Hart Crowser 1992b	**May-92**	**B-8**	**Methylene Chloride**	**210**	**JB**	**5**		**42**
Hart Crowser 1992b	**May-92**	**B-10A**	**Methylene Chloride**	**140**	**JB**	**5**		**28**
TV-F&S 2000a	**Oct-99**	**B-20A**	**Methylene Chloride**	**120**		**5**		**24**
Hart Crowser 1993a	**Aug-93**	**B-20**	**Methylene Chloride**	**92**		**5**		**18**
Hart Crowser 1997	**Oct-95**	**B-9**	**Methylene Chloride**	**62**	**JB**	**5**		**12**
Hart Crowser 1992b	**May-92**	**B-20**	**Methylene Chloride**	**59**	**B**	**5**		**12**
Hart Crowser 1997	**Oct-95**	**B-33A**	**Methylene Chloride**	**57**	**JB**	**5**		**11**
Hart Crowser 1997	**Oct-95**	**B-8**	**Methylene Chloride**	**55**	**JB**	**5**		**11**
Hart Crowser 1997	**Oct-95**	**B-10A**	**Methylene Chloride**	**54**	**JB**	**5**		**11**
TV-F&S 2000a	**Oct-99**	**B-59**	**Methylene Chloride**	**53**		**5**		**11**
Hart Crowser 1997	Oct-95	B-20	Methylene Chloride	44	JB	5		8.8
Hart Crowser 1990b	1990	B-8	Methylene Chloride	43		5		8.6
Hart Crowser 1997	Oct-95	B-45	Methylene Chloride	40	JB	5		8.0
Hart Crowser 1992b	May-92	B-18	Methylene Chloride	27	JB	5		5.4
Hart Crowser 1992b	May-92	B-1	Methylene Chloride	26	JB	5		5.2
TV-F&S 2000a	Oct-99	B-36	Methylene Chloride	20		5		4.0
Hart Crowser 1992b	May-92	B-9	Methylene Chloride	14	JB	5		2.8
TV-F&S 2000a	Oct-99	B-25	Methylene Chloride	7.8		5		1.6
TV-F&S 2000a	Oct-99	B-28	Methylene Chloride	7.2		5		1.4
ATI 1991b	Sep-91	B-16	Methylene Chloride	7	B	5		1.4
ATI 1991b	Sep-91	B-17	Methylene Chloride	6	B	5		1.2
TV-F&S 2000a	Nov-98	B-52	Methylene Chloride	5.3		5		1.1
Ecology 1993c	Jul-93	B-49	Naphthalene	430		160	92	4.7
Hart Crowser 1992b	May-92	B-10A	Naphthalene	160		160	92	1.7

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	Oct-99	B-38	Naphthalene	120		160	92	1.3
Ecology 1993c	**Jul-93**	**B-50**	**PCE**	**160,000**		**5**		**32,000**
Hart Crowser 1997	**Oct-95**	**B-31**	**PCE**	**160,000**	**J**	**5**		**32,000**
Hart Crowser 1993a	**Jun-93**	**B-43**	**PCE**	**140,000**		**5**		**28,000**
Ecology 1993b	**Jun-93**	**278091**	**PCE**	**140,000**		**5**		**28,000**
Hart Crowser 1993a	**Jul-93**	**B-50**	**PCE**	**140,000**		**5**		**28,000**
Hart Crowser 1993a	**Sep-92**	**B-31**	**PCE**	**130,000**		**5**		**26,000**
Hart Crowser 1993a	**Jun-93**	**B-44**	**PCE**	**120,000**		**5**		**24,000**
Ecology 1993c	**Jul-93**	**B-27**	**PCE**	**120,000**		**5**		**24,000**
Hart Crowser 1993a	**Aug-93**	**B-31**	**PCE**	**120,000**		**5**		**24,000**
Hart Crowser 1993a	**Sep-92**	**B-15**	**PCE**	**110,000**		**5**		**22,000**
Hart Crowser 1993a	**Sep-92**	**B-30**	**PCE**	**110,000**		**5**		**22,000**
Ecology 1993b	**Jun-93**	**278092**	**PCE**	**110,000**		**5**		**22,000**
Hart Crowser 1993a	**Jul-93**	**B-47 (DUP)**	**PCE**	**110,000**		**5**		**22,000**
Ecology 1993c	**Jul-93**	**B-49**	**PCE**	**110,000**		**5**		**22,000**
Hart Crowser 1993a	**Aug-93**	**B-30**	**PCE**	**110,000**		**5**		**22,000**
Hart Crowser 1993a	**Jul-93**	**B-49**	**PCE**	**103,000**		**5**		**20,600**
Hart Crowser 1993a	**Jul-93**	**B-47**	**PCE**	**100,000**		**5**		**20,000**
Hart Crowser 1992b	**May-92**	**B-30**	**PCE**	**100,000**		**5**		**20,000**
Ecology 1993b	**Jun-93**	**278094 (DUP)**	**PCE**	**88,000**		**5**		**17,600**
TV-F&S 2000a	**Nov-98**	**B-49**	**PCE**	**85,000**		**5**		**17,000**
Hart Crowser 1992b	**May-92**	**B-15**	**PCE**	**85,000**		**5**		**17,000**
Hart Crowser 1997	**Oct-95**	**B-44**	**PCE**	**81,000**	**J**	**5**		**16,200**
Hart Crowser 1993a	**Jun-93**	**B-46**	**PCE**	**80,000**		**5**		**16,000**
Hart Crowser 1992b	**May-92**	**B-11**	**PCE**	**80,000**		**5**		**16,000**
Hart Crowser 1997	**Dec-96**	**B-31**	**PCE**	**79,000**		**5**		**15,800**
Hart Crowser 1992b	**May-92**	**B-31**	**PCE**	**76,000**		**5**		**15,200**
TV-F&S 2000a	**Oct-99**	**B-49**	**PCE**	**69,000**		**5**		**13,800**
Hart Crowser 1997	**Dec-96**	**B-39**	**PCE**	**63,000**		**5**		**12,600**
Ecology 1993b	**Jun-93**	**278094**	**PCE**	**62,000**		**5**		**12,400**
Hart Crowser 1993a	**Aug-93**	**B-51**	**PCE**	**58,000**		**5**		**11,600**
TV-F&S 2000a	**Oct-99**	**B-44**	**PCE**	**57,000**	**J**	**5**		**11,400**
TV-F&S 2000a	**Oct-99**	**B-47 (DUP)**	**PCE**	**56,000**		**5**		**11,200**
Hart Crowser 1993a	**Aug-93**	**B-15**	**PCE**	**55,000**		**5**		**11,000**
TV-F&S 2000a	**Oct-99**	**B-47**	**PCE**	**54,000**		**5**		**10,800**

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1997	Dec-96	B-44	PCE	53,000		5		10,600
Hart Crowser 1993a	Aug-93	B-52 (DUP)	PCE	52,000		5		10,400
Hart Crowser 1993a	Aug-93	B-52	PCE	49,000		5		9,800
TV-F&S 2000a	Nov-98	B-12	PCE	47,000		5		9,400
TV-F&S 2000a	Nov-98	B-46	PCE	47,000		5		9,400
TV-F&S 2000a	Nov-98	B-39	PCE	40,000		5		8,000
TV-F&S 2000a	Oct-99	B-39	PCE	40,000	J	5		8,000
TV-F&S 2000a	Nov-98	B-46 BAL	PCE	37,000		5		7,400
TV-F&S 2000a	Nov-98	B-42	PCE	36,000		5		7,200
TV-F&S 2000a	Oct-99	B-42	PCE	36,000		5		7,200
TV-F&S 2000a	Oct-99	B-46	PCE	31,000		5		6,200
Ecology 1993c	Jul-93	B-48	PCE	30,000		5		6,000
Ecology 1993c	Jul-93	B-48 (DUP)	PCE	30,000		5		6,000
Hart Crowser 1993a	Jul-93	B-48	PCE	25,000		5		5,000
Hart Crowser 1997	Oct-95	B-10A	PCE	25,000	J	5		5,000
TV-F&S 2000a	Oct-99	B-15	PCE	20,000		5		4,000
TV-F&S 2000a	Nov-99	B-12	PCE	19,000		5		3,800
TV-F&S 2000a	Jul-99	B-58	PCE	18,000		5		3,600
TV-F&S 2000a	Oct-98	B-44	PCE	14,000		5		2,800
TV-F&S 2000a	Nov-98	B-52	PCE	12,000		5		2,400
TV-F&S 2000a	Oct-99	B-54	PCE	9,800		5		1,960
TV-F&S 2000a	Oct-99	B-60	PCE	9,400		5		1,880
TV-F&S 2000a	Nov-98	B-52 (DUP)	PCE	9,000		5		1,800
Hart Crowser 1993a	Sep-92	B-13	PCE	8,500		5		1,700
Ecology 1993b	Jun-93	278093	PCE	8,000		5		1,600
Hart Crowser 1993a	Sep-92	B-8	PCE	7,600		5		1,520
Hart Crowser 1993a	Aug-93	B-13	PCE	7,300		5		1,460
TV-F&S 2000a	Jul-99	B-13	PCE	7,300		5		1,460
TV-F&S 2000a	Nov-99	B-31	PCE	7,300		5		1,460
Hart Crowser 1992b	May-92	B-13	PCE	6,500		5		1,300
TV-F&S 2000a	Oct-99	B-58	PCE	6,200		5		1,240
TV-F&S 2000a	Jul-99	B-60	PCE	5,600		5		1,120
Hart Crowser 1992b	May-92	B-8	PCE	4,800		5		960
TV-F&S 2000a	Oct-99	B-13	PCE	4,700		5		940
Hart Crowser 1993a	Aug-93	B-8	PCE	4,600		5		920

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	Oct-99	B-58 (DUP)	PCE	4,600		5		920
TV-F&S 2000a	Jan-99	TB-1	PCE	4,300		5		860
TV-F&S 2000a	Feb-99	B-13	PCE	4,300		5		860
TV-F&S 2000a	Apr-99	B-54	PCE	4,100		5		820
TV-F&S 2000a	Nov-98	B-13	PCE	4,000		5		800
TV-F&S 2000a	Jul-99	TW-5	PCE	3,900		5		780
Hart Crowser 1992b	May-92	B-10A	PCE	3,900		5		780
TV-F&S 2000a	Dec-98	B-13	PCE	3,660		5		732
ATI 1991b	Sep-91	B-16	PCE	3,400		5		680
TV-F&S 2000a	Feb-99	B-54	PCE	3,400		5		680
TV-F&S 2000a	Jul-99	TW-6	PCE	3,300		5		660
TV-F&S 2000a	Oct-99	B-52	PCE	3,300		5		660
TV-F&S 2000a	Oct-98	B-8	PCE	3,100		5		620
TV-F&S 2000a	Oct-99	B-62	PCE	3,000		5		600
TV-F&S 2000a	Nov-99	B-11	PCE	3,000		5		600
TV-F&S 2000a	Jan-99	TB-2	PCE	2,700		5		540
TV-F&S 2000a	Jan-99	TB-4	PCE	2,400		5		480
Hart Crowser 1993a	Jun-93	B-45	PCE	2,300		5		460
Ecology 1993c	Jul-93	B-49	PCE	2,300		5		460
TV-F&S 2000a	Nov-98	B-45 BAL	PCE	2,300		5		460
TV-F&S 2001a	Jul-00	B-13	PCE	2,300	J	5		460
Hart Crowser 1992b	May-92	B-22	PCE	2,300		5		460
TV-F&S 2000a	Jan-99	TB-3	PCE	2,100		5		420
TV-F&S 2000a	Oct-99	B-22	PCE	2,100		5		420
Hart Crowser 1993a	Aug-93	B-20	PCE	2,000		5		400
TV-F&S 2001a	Jul-00	B-54	PCE	2,000	J	5		400
Hart Crowser 1990b	1990	B-12	PCE	1,900		5		380
TV-F&S 2000a	Feb-99	B-22	PCE	1,900		5		380
TV-F&S 2000a	Dec-98	B-22	PCE	1,850		5		370
Hart Crowser 1993a	Jun-93	B-45 (DUP)	PCE	1,700		5		340
Hart Crowser 1997	Oct-95	B-9	PCE	1,700		5		340
TV-F&S 2000a	Feb-99	B-56	PCE	1,700		5		340
Hart Crowser 1997	Dec-96	B-45	PCE	1,600		5		320
TV-F&S 2000a	Apr-99	B-56	PCE	1,600		5		320
Hart Crowser 1997	Oct-95	B-45	PCE	1,500		5		300

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	Oct-99	B-45	PCE	1,400		5		280
Hart Crowser 1993a	Aug-93	B-10A	PCE	1,300		5		260
TV-F&S 2000a	Nov-98	B-45	PCE	1,300		5		260
Hart Crowser 1992b	May-92	B-14	PCE	1,300		5		260
TV-F&S 2000a	Feb-99	B-53	PCE	1,200		5		240
Hart Crowser 1997	Dec-96	B-8	PCE	1,100		5		220
TV-F&S 2000a	Feb-99	B-55	PCE	1,100		5		220
TV-F&S 2000a	Oct-99	B-45 (DUP)	PCE	1,000		5		200
Hart Crowser 1997	Dec-96	B-20	PCE	930		5		186
TV-F&S 2000a	Apr-99	B-53	PCE	930		5		186
TV-F&S 2000a	Oct-99	B-20A	PCE	920		5		184
Hart Crowser 1993a	Sep-92	B-10A	PCE	860		5		172
Hart Crowser 1997	Dec-96	B-10A	PCE	850		5		170
TV-F&S 2000a	Apr-99	B-55	PCE	780		5		156
Hart Crowser 1997	Oct-95	B-21	PCE	740		5		148
Hart Crowser 1992b	May-92	B-9	PCE	710		5		142
TV-F&S 2000a	Oct-99	B-53	PCE	620		5		124
Hart Crowser 1992b	May-92	B-20	PCE	540		5		108
TV-F&S 2000a	Jul-99	TW-2	PCE	500		5		100
TV-F&S 2000a	Oct-99	B-57	PCE	490	J	5		98
TV-F&S 2000a	Jul-99	B-62	PCE	470		5		94
TV-F&S 2000a	Oct-99	B-16	PCE	470		5		94
TV-F&S 2000a	Oct-99	B-56	PCE	460	J	5		92
TV-F&S 2000a	Jul-99	TW-1	PCE	430		5		86
TV-F&S 2000a	Jul-99	B-62 (DUP)	PCE	410		5		82
TV-F&S 2000a	Oct-99	B-8	PCE	410		5		82
TV-F&S 2000a	Apr-99	B-57	PCE	400		5		80
TV-F&S 2001a	Jul-00	B-56	PCE	380	J	5		76
TV-F&S 2000a	Oct-98	B-20	PCE	360		5		72
Hart Crowser 1992b	May-92	B-16	PCE	360		5		72
TV-F&S 2000a	Oct-98	B-19	PCE	350		5		70
TV-F&S 2000a	Feb-99	B-57	PCE	350		5		70
TV-F&S 2001a	Jul-00	B-55	PCE	350	J	5		70
Hart Crowser 1993a	Sep-92	B-36	PCE	330		5		66
TV-F&S 2001a	Jul-00	B-57	PCE	300	J	5		60

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1997	**Oct-95**	**B-8**	**PCE**	**290**		**5**		**58**
Hart Crowser 1997	**Dec-96**	**B-36**	**PCE**	**270**		**5**		**54**
TV-F&S 2000a	**Oct-99**	**B-55**	**PCE**	**230**	**J**	**5**		**46**
TV-F&S 2001a	**Jul-00**	**B-53**	**PCE**	**220**	**J**	**5**		**44**
TV-F&S 2000a	**Oct-99**	**B-36**	**PCE**	**180**		**5**		**36**
TV-F&S 2000a	**Oct-99**	**B-14**	**PCE**	**170**		**5**		**34**
Hart Crowser 1992b	**May-92**	**B-18**	**PCE**	**160**		**5**		**32**
TV-F&S 2000a	**Jul-99**	**TW-3 (DUP)**	**PCE**	**140**		**5**		**28**
TV-F&S 2000a	**Jul-99**	**TW-3**	**PCE**	**130**		**5**		**26**
TV-F&S 2000a	**Oct-99**	**B-18**	**PCE**	**130**		**5**		**26**
TV-F&S 2000a	**Oct-99**	**B-33A**	**PCE**	**130**		**5**		**26**
TV-F&S 2001a	**Jul-00**	**AGI-2**	**PCE**	**120**	**J**	**5**		**24**
Hart Crowser 1990b	**1990**	**B-12**	**PCE**	**95**		**5**		**19**
Hart Crowser 1990b	**1990**	**B-8**	**PCE**	**89**		**5**		**18**
Hart Crowser 1993a	**Aug-93**	**B-9**	**PCE**	**85**		**5**		**17**
Hart Crowser 1997	**Dec-96**	**B-35**	**PCE**	**85**		**5**		**17**
Hart Crowser 1993a	**Sep-92**	**B-9**	**PCE**	**78**		**5**		**16**
TV-F&S 2000a	**Jul-99**	**B-61**	**PCE**	**78**		**5**		**16**
TV-F&S 2000a	**Oct-99**	**B-19**	**PCE**	**64**		**5**		**13**
TV-F&S 2000a	**Feb-99**	**B-28**	**PCE**	**63**		**5**		**13**
Hart Crowser 1992b	**May-92**	**B-72**	**PCE**	**63**		**5**		**13**
Hart Crowser 1992b	**May-92**	**B-19**	**PCE**	**62**		**5**		**12**
TV-F&S 2000a	**Jul-99**	**B-64**	**PCE**	**61**		**5**		**12**
Hart Crowser 1993a	**Aug-93**	**B-34**	**PCE**	**59**		**5**		**12**
Hart Crowser 1993a	**Aug-93**	**B-36**	**PCE**	**56**		**5**		**11**
Hart Crowser 1997	**Oct-95**	**B-33A**	**PCE**	**53**		**5**		**11**
TV-F&S 2000a	**Oct-99**	**B-64**	**PCE**	**50**		**5**		**10**
Hart Crowser 1992b	May-92	B-28	PCE	47		5		9.4
Hart Crowser 1993a	Sep-92	B-26	PCE	44		5		8.8
Hart Crowser 1993a	Aug-93	B-35	PCE	41		5		8.2
TV-F&S 2000a	Jul-99	B-63	PCE	40		5		8.0
TV-F&S 2000a	Jul-99	B-59	PCE	39		5		7.8
Hart Crowser 1990b	1990	B-11	PCE	37		5		7.4
TV-F&S 2000a	Oct-98	B-36	PCE	35		5		7.0
TV-F&S 2001a	Jul-00	AGI-3	PCE	34	J	5		6.8

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1993a	Aug-93	B-26	PCE	33		5		6.6
Hart Crowser 1993a	Sep-92	B-33A	PCE	32		5		6.4
Hart Crowser 1997	Oct-95	B-20	PCE	32		5		6.4
Hart Crowser 1997	Oct-95	B-34	PCE	32		5		6.4
Hart Crowser 1993a	Sep-92	B-20	PCE	31		5		6.2
TV-F&S 2000a	Oct-98	B-36 (DUP)	PCE	30		5		6.0
Hart Crowser 1992b	May-92	B-26	PCE	26		5		5.2
Hart Crowser 1990b	1990	B-7	PCE	23		5		4.6
Hart Crowser 1997	Oct-95	B-26	PCE	23		5		4.6
TV-F&S 2001a	Jul-00	NW-6	PCE	19	J	5		3.8
TV-F&S 2000a	Oct-99	B-23	PCE	17		5		3.4
Hart Crowser 1990b	1990	B-8	PCE	15		5		3.0
Hart Crowser 1997	Dec-96	B-34	PCE	15		5		3.0
TV-F&S 2000a	Jul-99	B-65	PCE	15		5		3.0
TV-F&S 2000a	Oct-99	B-28	PCE	15		5		3.0
TV-F&S 2000a	Oct-98	B-34	PCE	13		5		2.6
TV-F&S 2000a	Oct-99	B-34	PCE	11		5		2.2
TV-F&S 2001a	Jul-00	NW-12	PCE	10		5		2.0
TV-F&S 2001a	Jul-00	B-28	PCE	10	J	5		2.0
Hart Crowser 1990b	1990	B-13	PCE	9	J	5		1.8
TV-F&S 2000a	Jul-99	B-63 (DUP)	PCE	8.7		5		1.7
Hart Crowser 1990b	1990	B-10	PCE	7.8	J	5		1.6
TV-F&S 2000a	Dec-98	B-23	PCE	7.2		5		1.4
Hart Crowser 1997	Oct-95	B-36	PCE	7		5		1.4
Hart Crowser 1997	Dec-96	B-26	PCE	7		5		1.4
TV-F&S 2001a	Jul-00	NW-3	PCE	7	J	5		1.4
TV-F&S 2000a	Nov-98	B-26	PCE	6.1		5		1.2
Hart Crowser 1992b	May-92	B-23	PCE	6		5		1.2
Hart Crowser 1990b	1990	B-11	PCE	5.7	J	5		1.1
Hart Crowser 1990b	1990	B-10A	PCE	5.1	J	5		1.0
Hart Crowser 1997	Dec-96	B-9	PCE	5		5		1.0
Hart Crowser 1992b	May-92	B-17	PCE	5		5		1.0
Hart Crowser 1992b	May-92	B-23 (DUP)	PCE	5		5		1.0
Hart Crowser 1992b	**May-92**	**B-31**	**Pentachlorophenol**	**11,000**		**0.73**	**10**	**15,068**
TV-F&S 2000a	**Oct-99**	**B-38**	**Pentachlorophenol**	**5,500**		**0.73**	**10**	**7,534**

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1993a	Aug-93	B-31	Pentachlorophenol	4,800		0.73	10	6,575
Hart Crowser 1997	Oct-95	B-31	Pentachlorophenol	4,000		0.73	10	5,479
Hart Crowser 1993a	Sep-92	B-31	Pentachlorophenol	3,600		0.73	10	4,932
Hart Crowser 1997	Dec-96	B-39	Pentachlorophenol	3,100	J	0.73	10	4,247
Ecology 1993c	Jul-93	B-50	Pentachlorophenol	2,500		0.73	10	3,425
Hart Crowser 1992b	May-92	B-31	Pentachlorophenol	2,300		0.73	10	3,151
Ecology 1993c	Jul-93	B-27	Pentachlorophenol	2,100		0.73	10	2,877
Hart Crowser 1992b	May-92	B-30	Pentachlorophenol	2,000		0.73	10	2,740
Ecology 1993b	Jun-93	278091	Pentachlorophenol	1,900		0.73	10	2,603
TV-F&S 2000a	Nov-99	B-11	Pentachlorophenol	1,900		0.73	10	2,603
Hart Crowser 1992b	May-92	B-30	Pentachlorophenol	1,600		0.73	10	2,192
Hart Crowser 1992b	May-92	B-11	Pentachlorophenol	1,500		0.73	10	2,055
Hart Crowser 1997	Oct-95	B-31	Pentachlorophenol	1,300	J	0.73	10	1,781
Ecology 1993b	Jun-93	278092	Pentachlorophenol	1,200		0.73	10	1,644
Hart Crowser 1997	Dec-96	B-31	Pentachlorophenol	1,200		0.73	10	1,644
Hart Crowser 1997	Dec-96	B-31	Pentachlorophenol	1,100		0.73	10	1,507
Hart Crowser 1997	Oct-95	B-39	Pentachlorophenol	670		0.73	10	918
TV-F&S 2000a	Oct-99	B-47 (DUP)	Pentachlorophenol	640		0.73	10	877
TV-F&S 2000a	Oct-98	B-44	Pentachlorophenol	570		0.73	10	781
TV-F&S 2000a	Oct-99	B-49	Pentachlorophenol	520		0.73	10	712
TV-F&S 2000a	Oct-99	B-47	Pentachlorophenol	490		0.73	10	671
TV-F&S 2000a	Nov-98	B-49	Pentachlorophenol	480	J	0.73	10	658
TV-F&S 2000a	Nov-98	B-39	Pentachlorophenol	440		0.73	10	603
TV-F&S 2000a	Nov-99	B-12	Pentachlorophenol	430		0.73	10	589
TV-F&S 2000a	Oct-99	B-39	Pentachlorophenol	380	J	0.73	10	521
TV-F&S 2000a	Oct-99	B-42	Pentachlorophenol	370		0.73	10	507
TV-F&S 2000a	Nov-98	B-46	Pentachlorophenol	360		0.73	10	493
TV-F&S 2000a	Oct-99	B-44	Pentachlorophenol	360		0.73	10	493
Ecology 1993b	Jun-93	278094	Pentachlorophenol	290		0.73	10	397
TV-F&S 2000a	Nov-98	B-42	Pentachlorophenol	260	J	0.73	10	356
TV-F&S 2000a	Oct-99	B-46	Pentachlorophenol	200		0.73	10	274
Hart Crowser 1993a	Aug-93	B-20	Pentachlorophenol	160	J	0.73	10	219
TV-F&S 2000a	Oct-98	B-20	Pentachlorophenol	140		0.73	10	192
TV-F&S 2000a	Nov-98	B-52	Pentachlorophenol	120		0.73	10	164
TV-F&S 2000a	Nov-98	B-52 (DUP)	Pentachlorophenol	120		0.73	10	164

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Ecology 1993c	**Jul-93**	**B-48**	**Pentachlorophenol**	**96**		**0.73**	**10**	**132**
Hart Crowser 1992b	**May-92**	**B-20**	**Pentachlorophenol**	**73**		**0.73**	**10**	**100**
Hart Crowser 1992b	**May-92**	**B-8**	**Pentachlorophenol**	**72**	**J**	**0.73**	**10**	**99**
ATI 1991b	**Sep-91**	**B-16**	**Pentachlorophenol**	**62**		**0.73**	**10**	**85**
Ecology 1993b	**Jun-93**	**278093**	**Pentachlorophenol**	**56**		**0.73**	**10**	**77**
Hart Crowser 1997	**Dec-96**	**B-20**	**Pentachlorophenol**	**56**		**0.73**	**10**	**77**
Hart Crowser 1992b	**May-92**	**B-20**	**Pentachlorophenol**	**47**		**0.73**	**10**	**64**
Hart Crowser 1993a	**Sep-92**	**B-20**	**Pentachlorophenol**	**37**		**0.73**	**10**	**51**
TV-F&S 2000a	**Oct-99**	**B-52**	**Pentachlorophenol**	**37**		**0.73**	**10**	**51**
Hart Crowser 1997	**Oct-95**	**B-10A**	**Pentachlorophenol**	**36**		**0.73**	**10**	**49**
Hart Crowser 1997	**Oct-95**	**B-20**	**Pentachlorophenol**	**33**		**0.73**	**10**	**45**
TV-F&S 2000a	**Oct-99**	**B-45 (DUP)**	**Pentachlorophenol**	**29**		**0.73**	**10**	**40**
TV-F&S 2000a	**Oct-99**	**B-15**	**Pentachlorophenol**	**26**		**0.73**	**10**	**36**
Hart Crowser 1992b	**May-92**	**B-16**	**Pentachlorophenol**	**26**		**0.73**	**10**	**36**
TV-F&S 2000a	**Oct-99**	**B-45**	**Pentachlorophenol**	**24**		**0.73**	**10**	**33**
TV-F&S 2000a	**Oct-99**	**B-45**	**Pentachlorophenol**	**22**		**0.73**	**10**	**30**
Hart Crowser 1992b	**May-92**	**B-8**	**Pentachlorophenol**	**21**		**0.73**	**10**	**29**
TV-F&S 2000a	**Oct-99**	**B-18**	**Pentachlorophenol**	**13**		**0.73**	**10**	**18**
TV-F&S 2000a	**Jul-99**	**B-58**	**Pentachlorophenol**	**12**		**0.73**	**10**	**16**
TV-F&S 2000a	**Oct-99**	**B-58 (DUP)**	**Pentachlorophenol**	**10**		**0.73**	**10**	**14**
TV-F&S 2000a	**Oct-99**	**B-60**	**Pentachlorophenol**	**9.6**		**0.73**	**10**	**13**
Hart Crowser 1992b	**May-92**	**B-29**	**Pentachlorophenol**	**9.6**		**0.73**	**10**	**13**
TV-F&S 2000a	**Oct-99**	**B-58**	**Pentachlorophenol**	**9.5**		**0.73**	**10**	**13**
Hart Crowser 1997	**Dec-96**	**B-8**	**Pentachlorophenol**	**8**	**J**	**0.73**	**10**	**11**
TV-F&S 2000a	Oct-99	B-60	Pentachlorophenol	7		0.73	10	9.6
TV-F&S 2000a	Oct-99	B-35	Pentachlorophenol	6.5		0.73	10	8.9
TV-F&S 2000a	Oct-99	B-16	Pentachlorophenol	6.3		0.73	10	8.6
Hart Crowser 1997	Dec-96	B-10A	Pentachlorophenol	5.9		0.73	10	8.1
TV-F&S 2000a	Oct-99	B-58	Pentachlorophenol	5.8		0.73	10	7.9
Hart Crowser 1997	Oct-95	B-24	Pentachlorophenol	2	J	0.73	10	2.7
Hart Crowser 1992b	May-92	B-18	Pentachlorophenol	2		0.73	10	2.7
Hart Crowser 1992b	May-92	B-11	Pentachlorophenol	1.4		0.73	10	1.9
Hart Crowser 1992b	May-92	B-10A	Pentachlorophenol	1.3		0.73	10	1.8
Hart Crowser 1997	Dec-96	B-24	Pentachlorophenol	1	J	0.73	10	1.4
Hart Crowser 1993a	Sep-92	B-25	Pentachlorophenol	0.91		0.73	10	1.2

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1992b	May-92	B-27	Pentachlorophenol	0.91		0.73	10	1.2
Ecology 1993c	Jul-93	B-49	Phenanthrene	39	J		23	1.7
Ecology 1993b	Jun-93	278092	Phenanthrene	24			23	1.0
TV-F&S 2000a	**Oct-99**	**B-58**	**Phosphorus (total)**	**2,600**		**0.16**		**16,250**
TV-F&S 2000a	**Nov-99**	**B-31**	**Phosphorus (total)**	**1,600**		**0.16**		**10,000**
TV-F&S 2000a	**Oct-99**	**B-25**	**Phosphorus (total)**	**1,500**		**0.16**		**9,375**
TV-F&S 2000a	**Nov-99**	**B-11**	**Phosphorus (total)**	**1,400**		**0.16**		**8,750**
TV-F&S 2000a	**Oct-99**	**B-17**	**Phosphorus (total)**	**1,200**		**0.16**		**7,500**
TV-F&S 2000a	**Oct-99**	**B-27**	**Phosphorus (total)**	**1,200**		**0.16**		**7,500**
TV-F&S 2000a	**Oct-99**	**B-47**	**Phosphorus (total)**	**1,200**		**0.16**		**7,500**
TV-F&S 2000a	**Oct-99**	**B-26**	**Phosphorus (total)**	**1,100**		**0.16**		**6,875**
TV-F&S 2000a	**Oct-99**	**B-42**	**Phosphorus (total)**	**1,100**		**0.16**		**6,875**
TV-F&S 2000a	**Oct-99**	**B-49**	**Phosphorus (total)**	**1,100**		**0.16**		**6,875**
TV-F&S 2000a	**Oct-99**	**B-35**	**Phosphorus (total)**	**680**		**0.16**		**4,250**
TV-F&S 2000a	**Oct-99**	**B-46**	**Phosphorus (total)**	**640**		**0.16**		**4,000**
TV-F&S 2000a	**Nov-99**	**B-12**	**Phosphorus (total)**	**510**		**0.16**		**3,188**
TV-F&S 2000a	**Oct-99**	**B-65**	**Phosphorus (total)**	**440**		**0.16**		**2,750**
TV-F&S 2000a	**Oct-99**	**B-33A**	**Phosphorus (total)**	**400**		**0.16**		**2,500**
TV-F&S 2000a	**Oct-99**	**B-6**	**Phosphorus (total)**	**380**		**0.16**		**2,375**
TV-F&S 2000a	**Oct-99**	**B-36**	**Phosphorus (total)**	**370**		**0.16**		**2,313**
TV-F&S 2000a	**Oct-99**	**B-61**	**Phosphorus (total)**	**340**		**0.16**		**2,125**
TV-F&S 2000a	**Oct-99**	**B-23**	**Phosphorus (total)**	**310**		**0.16**		**1,938**
TV-F&S 2000a	**Oct-99**	**B-44**	**Phosphorus (total)**	**310**		**0.16**		**1,938**
TV-F&S 2000a	**Oct-99**	**B-59**	**Phosphorus (total)**	**300**		**0.16**		**1,875**
TV-F&S 2000a	**Oct-99**	**B-45**	**Phosphorus (total)**	**250**		**0.16**		**1,563**
TV-F&S 2000a	**Oct-99**	**B-21**	**Phosphorus (total)**	**230**		**0.16**		**1,438**
TV-F&S 2000a	**Oct-99**	**B-64**	**Phosphorus (total)**	**200**		**0.16**		**1,250**
TV-F&S 2000a	**Oct-99**	**B-15**	**Phosphorus (total)**	**200**		**0.16**		**1,250**
TV-F&S 2000a	**Oct-99**	**B-24**	**Phosphorus (total)**	**170**		**0.16**		**1,063**
TV-F&S 2000a	**Oct-99**	**B-55**	**Phosphorus (total)**	**170**		**0.16**		**1,063**
TV-F&S 2000a	**Oct-99**	**B-13**	**Phosphorus (total)**	**150**		**0.16**		**938**
TV-F&S 2000a	**Oct-99**	**B-28**	**Phosphorus (total)**	**150**		**0.16**		**938**
TV-F&S 2000a	**Oct-99**	**B-53**	**Phosphorus (total)**	**150**		**0.16**		**938**
TV-F&S 2000a	**Oct-99**	**B-22**	**Phosphorus (total)**	**140**		**0.16**		**875**
TV-F&S 2000a	**Oct-99**	**B-54**	**Phosphorus (total)**	**140**		**0.16**		**875**

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	Oct-99	B-8	Phosphorus (total)	120		0.16		750
TV-F&S 2000a	Oct-99	B-60	Phosphorus (total)	110		0.16		688
TV-F&S 2000a	Oct-99	B-16	Phosphorus (total)	100		0.16		625
TV-F&S 2000a	Oct-99	B-34	Phosphorus (total)	100		0.16		625
TV-F&S 2000a	Oct-99	B-62	Phosphorus (total)	89		0.16		556
TV-F&S 2000a	Oct-99	B-20A	Phosphorus (total)	85		0.16		531
TV-F&S 2000a	Oct-99	B-63	Phosphorus (total)	0.28		0.16		1.8
Ecology 1993c	Jul-93	B-27	Styrene	2,500	J	1.5		1,667
TV-F&S 2000a	Nov-98	B-49	Styrene	1,800		1.5		1,200
Ecology 1993b	Jun-93	278092	Styrene	1,300		1.5		867
TV-F&S 2000a	Oct-99	B-47	Styrene	1,100		1.5		733
Hart Crowser 1992b	May-92	B-30	Styrene	650		1.5		433
Hart Crowser 1993a	Sep-92	B-31	Styrene	610		1.5		407
Hart Crowser 1993a	Aug-93	B-30	Styrene	510		1.5		340
Hart Crowser 1993a	Sep-92	B-30	Styrene	460		1.5		307
TV-F&S 2000a	Nov-98	B-42	Styrene	460		1.5		307
Hart Crowser 1997	Dec-96	B-31	Styrene	400		1.5		267
Ecology 1993b	Jun-93	278091	Styrene	330	J	1.5		220
Hart Crowser 1993a	Aug-93	B-31	Styrene	310		1.5		207
Hart Crowser 1997	Dec-96	B-44	Styrene	310		1.5		207
Hart Crowser 1997	Oct-95	B-31	Styrene	230		1.5		153
Hart Crowser 1997	Dec-96	B-39	Styrene	230		1.5		153
Hart Crowser 1997	Oct-95	B-44	Styrene	130		1.5		87
Hart Crowser 1997	Dec-96	B-10A	Styrene	32	J	1.5		21
Hart Crowser 1997	Dec-96	B-35	Styrene	15		1.5		10
Hart Crowser 1993a	Jun-93	B-43	TCE	94,000		0.11		854,545
Ecology 1993b	Jun-93	278091	TCE	72,000		0.11		654,545
Hart Crowser 1993a	Sep-92	B-31	TCE	60,000		0.11		545,455
Hart Crowser 1997	Oct-95	B-31	TCE	57,000	J	0.11		518,182
Hart Crowser 1993a	Jul-93	B-49	TCE	54,000		0.11		490,909
Hart Crowser 1993a	Aug-93	B-31	TCE	52,000		0.11		472,727
Hart Crowser 1992b	May-92	B-31	TCE	51,000		0.11		463,636
Hart Crowser 1993a	Jun-93	B-44	TCE	50,000		0.11		454,545
Hart Crowser 1993a	Jul-93	B-47 (DUP)	TCE	50,000		0.11		454,545
Hart Crowser 1993a	Sep-92	B-30	TCE	47,000		0.11		427,273

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1993a	Jul-93	B-47	TCE	47,000		0.11		427,273
Ecology 1993c	Jul-93	B-49	TCE	46,000		0.11		418,182
Ecology 1993c	Jul-93	B-27	TCE	41,000		0.11		372,727
Hart Crowser 1993a	Aug-93	B-51	TCE	40,000		0.11		363,636
Hart Crowser 1992b	May-92	B-11	TCE	40,000		0.11		363,636
Hart Crowser 1993a	Aug-93	B-30	TCE	38,000		0.11		345,455
Ecology 1993b	Jun-93	278092	TCE	35,000		0.11		318,182
Hart Crowser 1992b	May-92	B-30	TCE	34,000		0.11		309,091
Ecology 1993c	Jul-93	B-48	TCE	31,000		0.11		281,818
Hart Crowser 1993a	Jul-93	B-48	TCE	30,000		0.11		272,727
Ecology 1993c	Jul-93	B-48 (DUP)	TCE	30,000		0.11		272,727
Hart Crowser 1993a	Jun-93	B-46	TCE	23,000		0.11		209,091
TV-F&S 2000a	Nov-98	B-49	TCE	22,000		0.11		200,000
TV-F&S 2000a	Oct-99	B-47 (DUP)	TCE	22,000		0.11		200,000
Hart Crowser 1992b	May-92	B-15	TCE	22,000		0.11		200,000
Hart Crowser 1993a	Sep-92	B-15	TCE	21,000		0.11		190,909
TV-F&S 2000a	Oct-99	B-47	TCE	21,000		0.11		190,909
TV-F&S 2000a	Oct-98	B-44	TCE	20,000		0.11		181,818
TV-F&S 2000a	Oct-99	B-49	TCE	19,000		0.11		172,727
TV-F&S 2000a	Oct-99	B-46	TCE	18,000		0.11		163,636
Ecology 1993b	Jun-93	278094 (DUP)	TCE	17,000		0.11		154,545
Hart Crowser 1997	Dec-96	B-44	TCE	17,000		0.11		154,545
Hart Crowser 1993a	Aug-93	B-15	TCE	16,000		0.11		145,455
Hart Crowser 1997	Oct-95	B-44	TCE	15,000		0.11		136,364
Hart Crowser 1997	Dec-96	B-39	TCE	15,000		0.11		136,364
Ecology 1993b	Jun-93	278094	TCE	14,000		0.11		127,273
Hart Crowser 1997	Dec-96	B-31	TCE	13,000		0.11		118,182
TV-F&S 2000a	Nov-98	B-42	TCE	13,000		0.11		118,182
TV-F&S 2000a	Nov-98	B-45	TCE	13,000		0.11		118,182
Hart Crowser 1993a	Jul-93	B-50	TCE	12,000		0.11		109,091
Hart Crowser 1997	Oct-95	B-45	TCE	12,000	J	0.11		109,091
Hart Crowser 1997	Dec-96	B-45	TCE	12,000		0.11		109,091
TV-F&S 2000a	Nov-98	B-45 BAL	TCE	12,000		0.11		109,091
TV-F&S 2000a	Nov-98	B-46 BAL	TCE	12,000		0.11		109,091
Hart Crowser 1993a	Sep-92	B-8	TCE	11,000		0.11		100,000

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	Jul-99	B-58	TCE	11,000		0.11		100,000
Hart Crowser 1993a	Jun-93	B-45	TCE	10,000		0.11		90,909
Ecology 1993c	Jul-93	B-50	TCE	10,000		0.11		90,909
TV-F&S 2000a	Nov-98	B-12	TCE	10,000		0.11		90,909
TV-F&S 2000a	Nov-98	B-39	TCE	10,000		0.11		90,909
TV-F&S 2000a	Oct-99	B-45	TCE	10,000		0.11		90,909
TV-F&S 2000a	Oct-99	B-45 (DUP)	TCE	9,600		0.11		87,273
Hart Crowser 1993a	Jun-93	B-45 (DUP)	TCE	9,300		0.11		84,545
Hart Crowser 1993a	Aug-93	B-52 (DUP)	TCE	9,300		0.11		84,545
TV-F&S 2000a	Nov-98	B-46	TCE	9,100		0.11		82,727
TV-F&S 2000a	Oct-99	B-42	TCE	9,000		0.11		81,818
Ecology 1993b	Jun-93	278093	TCE	8,900		0.11		80,909
Hart Crowser 1993a	Aug-93	B-52	TCE	8,800		0.11		80,000
Hart Crowser 1993a	Aug-93	B-8	TCE	7,800		0.11		70,909
TV-F&S 2000a	Oct-99	B-44	TCE	7,800		0.11		70,909
TV-F&S 2000a	Oct-99	B-39	TCE	7,500	J	0.11		68,182
TV-F&S 2000a	Oct-98	B-8	TCE	7,300		0.11		66,364
Hart Crowser 1997	Dec-96	B-8	TCE	6,300		0.11		57,273
TV-F&S 2000a	Oct-99	B-58	TCE	6,200		0.11		56,364
TV-F&S 2000a	Oct-99	B-58 (DUP)	TCE	5,600		0.11		50,909
TV-F&S 2000a	Oct-99	B-15	TCE	5,600		0.11		50,909
TV-F&S 2000a	Nov-98	B-52	TCE	5,300		0.11		48,182
Hart Crowser 1992b	May-92	B-8	TCE	5,000		0.11		45,455
TV-F&S 2000a	Nov-98	B-52 (DUP)	TCE	4,100		0.11		37,273
TV-F&S 2000a	Jul-99	B-61	TCE	3,700		0.11		33,636
TV-F&S 2000a	Nov-99	B-12	TCE	3,300		0.11		30,000
TV-F&S 2000a	Oct-99	B-8	TCE	3,100		0.11		28,182
Hart Crowser 1997	Oct-95	B-10A	TCE	3,000		0.11		27,273
Hart Crowser 1997	Oct-95	B-8	TCE	2,800		0.11		25,455
TV-F&S 2000a	Nov-99	B-11	TCE	2,800		0.11		25,455
ATI 1991b	Sep-91	B-16	TCE	2,400		0.11		21,818
Hart Crowser 1993a	Aug-93	B-20	TCE	2,200		0.11		20,000
TV-F&S 2000a	Oct-99	B-61	TCE	1,700		0.11		15,455
Hart Crowser 1997	Dec-96	B-10A	TCE	1,400		0.11		12,727
Hart Crowser 1997	Dec-96	B-20	TCE	1,300		0.11		11,818

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	Nov-99	B-31	TCE	1,200		0.11		10,909
Hart Crowser 1993a	Aug-93	B-10A	TCE	1,100		0.11		10,000
TV-F&S 2000a	Oct-99	B-60	TCE	1,100		0.11		10,000
TV-F&S 2000a	Oct-99	B-62	TCE	1,000		0.11		9,091
TV-F&S 2000a	Oct-99	B-10A	TCE	950		0.11		8,636
TV-F&S 2000a	Jul-99	B-63 (DUP)	TCE	940		0.11		8,545
TV-F&S 2000a	Jul-99	B-63	TCE	920		0.11		8,364
TV-F&S 2000a	Oct-99	B-52	TCE	830		0.11		7,545
TV-F&S 2000a	Jul-99	TW-5	TCE	790		0.11		7,182
TV-F&S 2000a	Oct-99	B-63	TCE	760		0.11		6,909
Hart Crowser 1992b	May-92	B-22	TCE	690		0.11		6,273
Hart Crowser 1992b	May-92	B-10A	TCE	590		0.11		5,364
Hart Crowser 1993a	Aug-93	B-13	TCE	500		0.11		4,545
Hart Crowser 1992b	May-92	B-13	TCE	450		0.11		4,091
Hart Crowser 1993a	Sep-92	B-13	TCE	440		0.11		4,000
TV-F&S 2000a	Oct-99	B-54	TCE	420		0.11		3,818
Hart Crowser 1993a	Sep-92	B-10A	TCE	370		0.11		3,364
TV-F&S 2000a	Oct-98	B-20	TCE	340		0.11		3,091
TV-F&S 2000a	Jul-99	B-13	TCE	320		0.11		2,909
TV-F&S 2000a	Jul-99	B-60	TCE	300		0.11		2,727
TV-F&S 2000a	Oct-99	B-16	TCE	300		0.11		2,727
TV-F&S 2000a	Nov-98	B-10A	TCE	260		0.11		2,364
Hart Crowser 1992b	May-92	B-20	TCE	260		0.11		2,364
Hart Crowser 1993a	Sep-92	B-36	TCE	250		0.11		2,273
TV-F&S 2000a	Feb-99	B-22	TCE	250		0.11		2,273
Hart Crowser 1997	Oct-95	B-9	TCE	240		0.11		2,182
TV-F&S 2000a	Oct-99	B-20A	TCE	240		0.11		2,182
Hart Crowser 1993a	Sep-92	B-20	TCE	230		0.11		2,091
TV-F&S 2000a	Jul-99	TW-2	TCE	230		0.11		2,091
TV-F&S 2000a	Dec-98	B-22	TCE	226		0.11		2,055
TV-F&S 2000a	Apr-99	B-13	TCE	220		0.11		2,000
Hart Crowser 1992b	May-92	B-14	TCE	220		0.11		2,000
TV-F&S 2000a	Dec-98	B-13	TCE	214		0.11		1,945
Hart Crowser 1992b	May-92	B-16	TCE	210		0.11		1,909
TV-F&S 2000a	Oct-99	B-13	TCE	200		0.11		1,818

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	Nov-98	B-13	TCE	194		0.11		1,764
Hart Crowser 1993a	Sep-92	B-33A	TCE	180		0.11		1,636
TV-F&S 2000a	Feb-99	B-13	TCE	180		0.11		1,636
TV-F&S 2000a	Jul-99	B-62 (DUP)	TCE	180		0.11		1,636
TV-F&S 2000a	Jul-99	B-62	TCE	180		0.11		1,636
TV-F&S 2000a	Apr-99	B-54	TCE	170		0.11		1,545
TV-F&S 2000a	Oct-98	B-19	TCE	160		0.11		1,455
TV-F&S 2000a	Oct-99	B-22	TCE	160		0.11		1,455
TV-F&S 2000a	Jul-99	TW-3 (DUP)	TCE	150		0.11		1,364
TV-F&S 2000a	Jul-99	TW-6	TCE	150		0.11		1,364
TV-F&S 2000a	Oct-99	B-36	TCE	150		0.11		1,364
TV-F&S 2000a	Jul-99	TW-3	TCE	140		0.11		1,273
TV-F&S 2000a	Jan-99	TB-1	TCE	130		0.11		1,182
TV-F&S 2000a	Oct-99	B-18	TCE	120		0.11		1,091
TV-F&S 2001a	Jul-00	B-13	TCE	120	J	0.11		1,091
Hart Crowser 1992b	May-92	B-18	TCE	120		0.11		1,091
Hart Crowser 1997	Dec-96	B-36	TCE	110		0.11		1,000
Hart Crowser 1993a	Aug-93	B-34	TCE	100		0.11		909
Hart Crowser 1993a	Aug-93	B-35	TCE	100		0.11		909
TV-F&S 2000a	Feb-99	B-54	TCE	93		0.11		845
TV-F&S 2000a	Jul-99	TW-1	TCE	93		0.11		845
Hart Crowser 1997	Dec-96	B-33A	TCE	90	J	0.11		818
TV-F&S 2000a	Jan-99	TB-2	TCE	74		0.11		673
Hart Crowser 1993a	Sep-92	B-35	TCE	72		0.11		655
Hart Crowser 1990b	1990	B-8	TCE	65		0.11		591
Hart Crowser 1992b	May-92	B-1	TCE	64		0.11		582
Hart Crowser 1997	Oct-95	B-33A	TCE	62		0.11		564
TV-F&S 2000a	Oct-99	B-19	TCE	62		0.11		564
Hart Crowser 1997	Oct-95	B-20	TCE	58		0.11		527
TV-F&S 2000a	Jul-99	B-65	TCE	57		0.11		518
Hart Crowser 1992b	May-92	B-9	TCE	54		0.11		491
TV-F&S 2000a	Jan-99	TB-3	TCE	52		0.11		473
Hart Crowser 1992b	May-92	B-19	TCE	51		0.11		464
Hart Crowser 1992b	May-92	B-72	TCE	50		0.11		455
Hart Crowser 1997	Dec-96	B-35	TCE	49		0.11		445

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	Apr-99	B-56	TCE	49		0.11		445
Hart Crowser 1993a	Aug-93	B-26	TCE	46		0.11		418
TV-F&S 2000a	Oct-99	B-53	TCE	42		0.11		382
TV-F&S 2000a	Nov-98	B-18	TCE	41		0.11		373
TV-F&S 2000a	Apr-99	B-53	TCE	37		0.11		336
Hart Crowser 1993a	Sep-92	B-9	TCE	36		0.11		327
TV-F&S 2000a	Jan-99	TB-4	TCE	36		0.11		327
TV-F&S 2000a	Feb-99	B-53	TCE	36.0		0.11		327
TV-F&S 2000a	Feb-99	B-55	TCE	35		0.11		318
Hart Crowser 1990b	1990	B-11	TCE	34		0.11		309
Hart Crowser 1992b	May-92	B-21	TCE	33		0.11		300
Hart Crowser 1993a	Sep-92	B-26	TCE	32		0.11		291
Hart Crowser 1993a	Aug-93	B-36	TCE	32		0.11		291
TV-F&S 2000a	Apr-99	B-55	TCE	32		0.11		291
TV-F&S 2000a	Feb-99	B-56	TCE	30		0.11		273
Hart Crowser 1990b	1990	B-12	TCE	28		0.11		255
Hart Crowser 1997	Oct-95	B-26	TCE	27		0.11		245
TV-F&S 2000a	Oct-99	B-57	TCE	23		0.11		209
TV-F&S 2001a	Jul-00	B-55	TCE	20	J	0.11		182
TV-F&S 2000a	Oct-98	B-35	TCE	19		0.11		173
TV-F&S 2000a	Apr-99	B-57	TCE	19		0.11		173
TV-F&S 2000a	Oct-99	B-64	TCE	19		0.11		173
TV-F&S 2000a	Oct-98	B-36	TCE	18		0.11		164
Hart Crowser 1992b	May-92	B-26	TCE	18		0.11		164
Hart Crowser 1993a	Aug-93	B-9	TCE	16		0.11		145
TV-F&S 2000a	Oct-98	B-36 (DUP)	TCE	16		0.11		145
TV-F&S 2000a	Oct-99	B-56	TCE	16		0.11		145
TV-F&S 2000a	Oct-99	B-55	TCE	16		0.11		145
TV-F&S 2000a	Nov-98	B-26	TCE	15		0.11		136
TV-F&S 2000a	Oct-99	B-9	TCE	15		0.11		136
TV-F&S 2001a	Jul-00	B-57	TCE	15	J	0.11		136
Hart Crowser 1997	Dec-96	B-26	TCE	14		0.11		127
TV-F&S 2000a	Jul-99	B-64	TCE	14		0.11		127
Hart Crowser 1990b	1990	B-7	TCE	13		0.11		118
Hart Crowser 1997	Dec-96	B-9	TCE	13		0.11		118

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	**Oct-99**	**B-23**	**TCE**	**13**		**0.11**		**118**
TV-F&S 2000a	**Oct-99**	**B-14**	**TCE**	**13**		**0.11**		**118**
TV-F&S 2000a	**Nov-98**	**B-9**	**TCE**	**12**		**0.11**		**109**
TV-F&S 2001a	**Jul-00**	**B-53**	**TCE**	**12**	**J**	**0.11**		**109**
TV-F&S 2001a	**Jul-00**	**B-56**	**TCE**	**12**	**J**	**0.11**		**109**
Hart Crowser 1992b	**May-92**	**B-5**	**TCE**	**11**		**0.11**		**100**
Hart Crowser 1992b	**May-92**	**B-5 (DUP)**	**TCE**	**11**		**0.11**		**100**
Hart Crowser 1997	**Dec-96**	**B-34**	**TCE**	**10**		**0.11**		**91**
TV-F&S 2000a	**Feb-99**	**B-57**	**TCE**	**10**		**0.11**		**91**
TV-F&S 2000a	**Oct-99**	**B-26**	**TCE**	**9.8**		**0.11**		**89**
TV-F&S 2000a	**Jul-99**	**B-59**	**TCE**	**8.4**		**0.11**		**76**
TV-F&S 2000a	**Dec-98**	**B-23**	**TCE**	**7.96**		**0.11**		**72**
Hart Crowser 1993a	**Sep-92**	**B-25**	**TCE**	**7**		**0.11**		**64**
TV-F&S 2001a	**Jul-00**	**AGI-2**	**TCE**	**7**		**0.11**		**64**
TV-F&S 2000a	**Oct-98**	**B-34**	**TCE**	**6.8**		**0.11**		**62**
Hart Crowser 1990b	**1990**	**B-8**	**TCE**	**5.7**		**0.11**		**52**
TV-F&S 2000a	**Oct-99**	**B-34**	**TCE**	**5.7**		**0.11**		**52**
TV-F&S 2000a	**Oct-99**	**B-38**	**TCE**	**5.2**		**0.11**		**47**
Hart Crowser 1993a	**Sep-92**	**B-24**	**TCE**	**5**		**0.11**		**45**
Hart Crowser 1997	**Oct-95**	**B-35**	**TCE**	**5**		**0.11**		**45**
Hart Crowser 1992b	**May-92**	**B-23**	**TCE**	**5**		**0.11**		**45**
Hart Crowser 1992b	**May-92**	**B-23 (DUP)**	**TCE**	**5**		**0.11**		**45**
Hart Crowser 1990b	**1990**	**B-11**	**TCE**	**3.2**		**0.11**		**29**
Hart Crowser 1997	**Oct-95**	**B-36**	**TCE**	**3**		**0.11**		**27**
Hart Crowser 1992b	**May-92**	**B-27**	**TCE**	**3**		**0.11**		**27**
Hart Crowser 1992b	**May-92**	**B-28**	**TCE**	**3**		**0.11**		**27**
TV-F&S 2000a	**Oct-99**	**B-28**	**TCE**	**2.6**		**0.11**		**24**
Hart Crowser 1992b	**May-92**	**B-25**	**TCE**	**2**		**0.11**		**18**
Hart Crowser 1990b	**1990**	**B-10**	**TCE**	**1.3**		**0.11**		**12**
Hart Crowser 1993a	Aug-93	B-33A	TCE	1		0.11		9.1
TV-F&S 2000a	Feb-99	B-28	TCE	1.0		0.11		9.1
TV-F&S 2001a	Jul-00	NW-6	TCE	1		0.11		9.1
TV-F&S 2001a	Jul-00	NW-12	TCE	1		0.11		9.1
TV-F&S 2001a	Jul-00	B-28	TCE	1	J	0.11		9.1
Hart Crowser 1990b	1990	B-10A	TCE	0.88		0.11		8.0

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1990a	May-89	B-1	TCE	0.140		0.11		1.3
Hart Crowser 1990b	1990	B-14	TCE	0.13		0.11		1.2
Hart Crowser 1990b	1990	B-1	TCE	0.120		0.11		1.1
Ecology 1993c	**Jul-93**	**B-27**	**Toluene**	**76,000**		**640**		**119**
Ecology 1993b	**Jun-93**	**278092**	**Toluene**	**48,000**		**640**		**75**
Ecology 1993b	**Jun-93**	**278091**	**Toluene**	**38,000**		**640**		**59**
Hart Crowser 1992b	**May-92**	**B-30**	**Toluene**	**36,000**		**640**		**56**
Hart Crowser 1992b	**May-92**	**B-31**	**Toluene**	**33,000**		**640**		**52**
TV-F&S 2000a	**Nov-98**	**B-49**	**Toluene**	**27,000**		**640**		**42**
Ecology 1993c	**Jul-93**	**B-49**	**Toluene**	**26,000**		**640**		**41**
TV-F&S 2000a	**Oct-99**	**B-47**	**Toluene**	**23,000**		**640**		**36**
TV-F&S 2000a	**Oct-99**	**B-47 (DUP)**	**Toluene**	**23,000**		**640**		**36**
TV-F&S 2000a	**Oct-99**	**B-49**	**Toluene**	**13,000**		**640**		**20**
Hart Crowser 1997	**Dec-96**	**B-31**	**Toluene**	**12,000**		**640**		**19**
Hart Crowser 1997	**Dec-96**	**B-44**	**Toluene**	**11,000**		**640**		**17**
Hart Crowser 1997	**Dec-96**	**B-39**	**Toluene**	**9,100**		**640**		**14**
TV-F&S 2000a	**Oct-98**	**B-20**	**Toluene**	**7,200**		**640**		**11**
Hart Crowser 1992b	**May-92**	**B-15**	**Toluene**	**6,700**		**640**		**10**
TV-F&S 2000a	**Oct-98**	**B-44**	**Toluene**	**6,500**		**640**		**10**
TV-F&S 2000a	Nov-98	B-42	Toluene	6,100		640		9.5
Hart Crowser 1992b	May-92	B-11	Toluene	5,800		640		9.1
TV-F&S 2000a	Oct-99	B-42	Toluene	4,700		640		7.3
Hart Crowser 1997	Dec-96	B-35	Toluene	3,900		640		6.1
TV-F&S 2000a	Oct-98	B-21	Toluene	3,900		640		6.1
Ecology 1993c	Jul-93	B-50	Toluene	3,700	J	640		5.8
TV-F&S 2000a	Nov-98	B-12	Toluene	3,700		640		5.8
Ecology 1993c	Jul-93	B-48	Toluene	3,100	J	640		4.8
Ecology 1993c	Jul-93	B-48 (DUP)	Toluene	3,100	J	640		4.8
Hart Crowser 1992b	May-92	B-21	Toluene	2,800		640		4.4
Ecology 1993b	Jun-93	278094 (DUP)	Toluene	2,700	J	640		4.2
TV-F&S 2000a	Oct-98	B-35	Toluene	2,400		640		3.8
TV-F&S 2000a	Oct-99	B-44	Toluene	2,400		640		3.8
Ecology 1993b	Jun-93	278094	Toluene	2,300		640		3.6
Hart Crowser 1997	Dec-96	B-20	Toluene	2,100		640		3.3
TV-F&S 2000a	Oct-99	B-35	Toluene	1,700		640		2.7

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1992b	May-92	B-10A	Toluene	1,700		640		2.7
TV-F&S 2000a	Nov-98	B-39	Toluene	1,500		640		2.3
Hart Crowser 1997	Dec-96	B-21	Toluene	1,300		640		2.0
Ecology 1993b	Jun-93	278093	Toluene	1,200		640		1.9
TV-F&S 2000a	Nov-99	B-12	Toluene	1,000		640		1.6
Hart Crowser 1992b	May-92	B-16	Toluene	960		640		1.5
TV-F&S 2000a	Oct-99	B-21	Toluene	690		640		1.1
TV-F&S 2000a	Nov-98	B-45 BAL	Toluene	670		640		1.0
Hart Crowser 1990b	1990	B-7	Total Hydrocarbons (Light)	270		30		9.0
Hart Crowser 1990b	1990	B-12	Total Hydrocarbons (Light)	230		30		7.7
Hart Crowser 1990b	1990	B-12	Total Hydrocarbons (Light)	75		30		2.5
TV-F&S 2000a	Oct-99	B-58	trans-1,2-DCE	680		160		4.3
TV-F&S 2000a	Nov-98	B-46 BAL	trans-1,2-DCE	590		160		3.7
TV-F&S 2000a	Oct-98	B-21	trans-1,2-DCE	530		160		3.3
TV-F&S 2000a	Nov-98	B-46	trans-1,2-DCE	490		160		3.1
TV-F&S 2000a	Oct-98	B-20	trans-1,2-DCE	470		160		2.9
TV-F&S 2000a	Oct-98	B-44	trans-1,2-DCE	440		160		2.8
TV-F&S 2000a	Nov-98	B-12	trans-1,2-DCE	420		160		2.6
TV-F&S 2000a	Oct-99	B-65	trans-1,2-DCE	360	J	160		2.3
TV-F&S 2000a	Jul-99	B-65	trans-1,2-DCE	340		160		2.1
TV-F&S 2000a	Oct-99	B-58 (DUP)	trans-1,2-DCE	320		160		2.0
TV-F&S 2000a	Oct-98	B-33A	trans-1,2-DCE	300		160		1.9
TV-F&S 2000a	Jul-99	B-58	trans-1,2-DCE	290		160		1.8
TV-F&S 2000a	Nov-98	B-45	trans-1,2-DCE	270		160		1.7
TV-F&S 2000a	Nov-98	B-49	trans-1,2-DCE	270		160		1.7
TV-F&S 2000a	Nov-98	B-45 BAL	trans-1,2-DCE	220		160		1.4
TV-F&S 2000a	Jul-99	B-61	trans-1,2-DCE	180		160		1.1
TV-F&S 2000a	Oct-99	B-45 (DUP)	trans-1,2-DCE	170		160		1.1
TV-F&S 2000a	**Oct-99**	**B-33A (DUP)**	**Vinyl Chloride**	**25,000**		**0.029**		**862,069**
Hart Crowser 1992b	**May-92**	**B-21**	**Vinyl Chloride**	**25,000**		**0.029**		**862,069**
TV-F&S 2000a	**Oct-99**	**B-33A**	**Vinyl Chloride**	**23,000**		**0.029**		**793,103**
Hart Crowser 1993a	**Sep-92**	**B-35**	**Vinyl Chloride**	**19,000**		**0.029**		**655,172**
Hart Crowser 1997	**Oct-95**	**B-21**	**Vinyl Chloride**	**19,000**		**0.029**		**655,172**
Hart Crowser 1997	**Dec-96**	**B-21**	**Vinyl Chloride**	**18,000**		**0.029**		**620,690**
TV-F&S 2000a	**Oct-98**	**B-20**	**Vinyl Chloride**	**18,000**		**0.029**		**620,690**

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	Oct-99	B-21	Vinyl Chloride	18,000		0.029		620,690
Hart Crowser 1992b	May-92	B-21	Vinyl Chloride	18,000		0.029		620,690
TV-F&S 2000a	Oct-99	B-65	Vinyl Chloride	15,000	J	0.029		517,241
Hart Crowser 1993a	Sep-92	B-20	Vinyl Chloride	14,000		0.029		482,759
Hart Crowser 1993a	Aug-93	B-21	Vinyl Chloride	14,000		0.029		482,759
Hart Crowser 1993a	Sep-92	B-21	Vinyl Chloride	13,000		0.029		448,276
TV-F&S 2000a	Oct-98	B-21	Vinyl Chloride	11,000		0.029		379,310
TV-F&S 2000a	Jul-99	B-65	Vinyl Chloride	11,000		0.029		379,310
Hart Crowser 1997	Dec-96	B-35	Vinyl Chloride	8,100		0.029		279,310
Hart Crowser 1997	Dec-96	B-33A	Vinyl Chloride	7,700		0.029		265,517
Hart Crowser 1993a	Sep-92	B-36	Vinyl Chloride	7,300		0.029		251,724
TV-F&S 2000a	Oct-98	B-33A	Vinyl Chloride	7,300		0.029		251,724
Hart Crowser 1992b	May-92	B-29	Vinyl Chloride	7,100		0.029		244,828
Hart Crowser 1997	Oct-95	B-20	Vinyl Chloride	6,800	J	0.029		234,483
TV-F&S 2000a	Oct-99	B-18	Vinyl Chloride	6,100		0.029		210,345
TV-F&S 2000a	Oct-99	B-63	Vinyl Chloride	5,800		0.029		200,000
TV-F&S 2000a	Nov-98	B-12	Vinyl Chloride	5,500		0.029		189,655
Hart Crowser 1992b	May-92	B-29	Vinyl Chloride	5,200		0.029		179,310
Hart Crowser 1997	Dec-96	B-20	Vinyl Chloride	3,700		0.029		127,586
Hart Crowser 1997	Oct-95	B-33A	Vinyl Chloride	3,400		0.029		117,241
TV-F&S 2000a	Oct-98	B-35	Vinyl Chloride	3,300		0.029		113,793
TV-F&S 2000a	Oct-99	B-52	Vinyl Chloride	3,100		0.029		106,897
TV-F&S 2000a	Oct-99	B-58	Vinyl Chloride	3,100		0.029		106,897
TV-F&S 2000a	Oct-98	B-44	Vinyl Chloride	3,000		0.029		103,448
TV-F&S 2000a	Oct-99	B-58 (DUP)	Vinyl Chloride	2,900		0.029		100,000
TV-F&S 2000a	Nov-98	B-52	Vinyl Chloride	2,800		0.029		96,552
Hart Crowser 1993a	Sep-92	B-33A	Vinyl Chloride	2,700		0.029		93,103
TV-F&S 2000a	Oct-99	B-61	Vinyl Chloride	2,700		0.029		93,103
TV-F&S 2000a	Nov-98	B-46 BAL	Vinyl Chloride	2,600		0.029		89,655
TV-F&S 2000a	Jul-99	B-63	Vinyl Chloride	2,500		0.029		86,207
TV-F&S 2000a	Jul-99	B-63 (DUP)	Vinyl Chloride	2,400		0.029		82,759
TV-F&S 2000a	Nov-98	B-52 (DUP)	Vinyl Chloride	2,300		0.029		79,310
TV-F&S 2000a	Oct-99	B-35	Vinyl Chloride	2,300		0.029		79,310
Hart Crowser 1993a	Jul-93	B-50	Vinyl Chloride	2,100		0.029		72,414
TV-F&S 2000a	Oct-99	B-39	Vinyl Chloride	1,900	J	0.029		65,517

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	Nov-99	B-11	Vinyl Chloride	1,900		0.029		65,517
Hart Crowser 1993a	Aug-93	B-10A	Vinyl Chloride	1,600		0.029		55,172
TV-F&S 2000a	Nov-98	B-46	Vinyl Chloride	1,600		0.029		55,172
Ecology 1993b	Jun-93	278092	Vinyl Chloride	1,500		0.029		51,724
TV-F&S 2000a	Nov-98	B-39	Vinyl Chloride	1,400		0.029		48,276
TV-F&S 2000a	Oct-99	B-46	Vinyl Chloride	1,400		0.029		48,276
Hart Crowser 1993a	Sep-92	B-10A	Vinyl Chloride	1,300		0.029		44,828
Hart Crowser 1993a	Jul-93	B-47	Vinyl Chloride	1,300		0.029		44,828
Hart Crowser 1997	Oct-95	B-44	Vinyl Chloride	1,300		0.029		44,828
Hart Crowser 1993a	Jul-93	B-47 (DUP)	Vinyl Chloride	1,200		0.029		41,379
Hart Crowser 1997	Dec-96	B-44	Vinyl Chloride	1,200		0.029		41,379
TV-F&S 2000a	Nov-98	B-49	Vinyl Chloride	1,200		0.029		41,379
Hart Crowser 1992b	May-92	B-18	Vinyl Chloride	1,200		0.029		41,379
Hart Crowser 1993a	Jul-93	B-48	Vinyl Chloride	1,100		0.029		37,931
Hart Crowser 1992b	May-92	B-20	Vinyl Chloride	1,100		0.029		37,931
Hart Crowser 1993a	Aug-93	B-52 (DUP)	Vinyl Chloride	1,000		0.029		34,483
TV-F&S 2000a	Oct-99	B-62	Vinyl Chloride	1,000		0.029		34,483
TV-F&S 2000a	Oct-99	B-10A	Vinyl Chloride	1,000		0.029		34,483
TV-F&S 2000a	Jul-99	B-61	Vinyl Chloride	970		0.029		33,448
Hart Crowser 1993a	Aug-93	B-52	Vinyl Chloride	960		0.029		33,103
Hart Crowser 1992b	May-92	B-16	Vinyl Chloride	920		0.029		31,724
ATI 1991b	Sep-91	B-16	Vinyl Chloride	880		0.029		30,345
Hart Crowser 1997	Dec-96	B-39	Vinyl Chloride	810		0.029		27,931
Hart Crowser 1993a	Aug-93	B-35	Vinyl Chloride	790		0.029		27,241
Hart Crowser 1993a	Aug-93	B-51	Vinyl Chloride	780		0.029		26,897
Hart Crowser 1992b	May-92	B-20	Vinyl Chloride	760		0.029		26,207
TV-F&S 2000a	Nov-99	B-12	Vinyl Chloride	750		0.029		25,862
Hart Crowser 1992b	May-92	B-18	Vinyl Chloride	700		0.029		24,138
TV-F&S 2000a	Nov-98	B-42	Vinyl Chloride	690		0.029		23,793
Hart Crowser 1992b	May-92	B-16	Vinyl Chloride	690		0.029		23,793
Hart Crowser 1997	Dec-96	B-10A	Vinyl Chloride	630		0.029		21,724
Hart Crowser 1992b	May-92	B-10A (DUP)	Vinyl Chloride	620	J	0.029		21,379
Hart Crowser 1993a	Aug-93	B-36	Vinyl Chloride	590		0.029		20,345
Hart Crowser 1992b	May-92	B-10A	Vinyl Chloride	540		0.029		18,621
Hart Crowser 1992b	May-92	B-10A	Vinyl Chloride	510	J	0.029		17,586

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2000a	Oct-99	B-44	Vinyl Chloride	490		0.029		16,897
Hart Crowser 1993a	Sep-92	B-15	Vinyl Chloride	450		0.029		15,517
TV-F&S 2000a	Nov-98	B-10A	Vinyl Chloride	440		0.029		15,172
TV-F&S 2000a	Nov-98	B-18	Vinyl Chloride	430		0.029		14,828
Ecology 1993b	Jun-93	278091	Vinyl Chloride	400	J	0.029		13,793
Hart Crowser 1993a	Aug-93	B-20	Vinyl Chloride	340		0.029		11,724
TV-F&S 2000a	Nov-98	B-45 BAL	Vinyl Chloride	340		0.029		11,724
TV-F&S 2000a	Oct-99	B-16	Vinyl Chloride	340		0.029		11,724
Hart Crowser 1992b	May-92	B-1	Vinyl Chloride	340		0.029		11,724
Hart Crowser 1993a	Aug-93	B-34	Vinyl Chloride	320		0.029		11,034
Hart Crowser 1993a	Sep-92	B-31	Vinyl Chloride	300		0.029		10,345
TV-F&S 2000a	Nov-98	B-45	Vinyl Chloride	290		0.029		10,000
Hart Crowser 1992b	May-92	B-15	Vinyl Chloride	280		0.029		9,655
TV-F&S 2000a	Oct-99	B-45	Vinyl Chloride	270		0.029		9,310
Hart Crowser 1993a	Sep-92	B-30	Vinyl Chloride	260		0.029		8,966
Hart Crowser 1993a	Aug-93	B-30	Vinyl Chloride	260		0.029		8,966
TV-F&S 2000a	Oct-99	B-45 (DUP)	Vinyl Chloride	230		0.029		7,931
Hart Crowser 1992b	May-92	B-30	Vinyl Chloride	230		0.029		7,931
Hart Crowser 1997	Dec-96	B-45	Vinyl Chloride	220		0.029		7,586
TV-F&S 2000a	Jul-99	B-58	Vinyl Chloride	220		0.029		7,586
TV-F&S 2000a	Oct-99	B-36	Vinyl Chloride	210		0.029		7,241
Hart Crowser 1993a	Sep-92	B-34	Vinyl Chloride	200		0.029		6,897
TV-F&S 2000a	Jul-99	TW-2	Vinyl Chloride	200		0.029		6,897
Hart Crowser 1992b	May-92	B-30	Vinyl Chloride	200		0.029		6,897
Hart Crowser 1993a	Aug-93	B-31	Vinyl Chloride	190		0.029		6,552
Hart Crowser 1997	Dec-96	B-36	Vinyl Chloride	180		0.029		6,207
TV-F&S 2000a	Oct-99	B-59	Vinyl Chloride	180		0.029		6,207
Hart Crowser 1992b	May-92	B-31	Vinyl Chloride	150		0.029		5,172
Hart Crowser 1993a	Sep-92	B-8	Vinyl Chloride	130		0.029		4,483
Hart Crowser 1997	Oct-95	B-31	Vinyl Chloride	130		0.029		4,483
Hart Crowser 1997	Oct-95	B-10A	Vinyl Chloride	110		0.029		3,793
Hart Crowser 1997	Oct-95	B-45	Vinyl Chloride	96		0.029		3,310
TV-F&S 2000a	Jul-99	B-59	Vinyl Chloride	77		0.029		2,655
Hart Crowser 1993a	Aug-93	B-15	Vinyl Chloride	73		0.029		2,517
Hart Crowser 1992b	May-92	B-8	Vinyl Chloride	70		0.029		2,414

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1992b	May-92	B-11	Vinyl Chloride	69		0.029		2,379
Hart Crowser 1992b	May-92	B-22	Vinyl Chloride	68		0.029		2,345
Hart Crowser 1992b	May-92	B-22	Vinyl Chloride	62		0.029		2,138
Ecology 1993b	Jun-93	278093	Vinyl Chloride	48		0.029		1,655
TV-F&S 2000a	Feb-99	B-22	Vinyl Chloride	44.0		0.029		1,517
TV-F&S 2000a	Oct-98	B-36	Vinyl Chloride	37		0.029		1,276
TV-F&S 2000a	Oct-98	B-36 (DUP)	Vinyl Chloride	37		0.029		1,276
TV-F&S 2000a	Jul-99	B-62 (DUP)	Vinyl Chloride	36		0.029		1,241
TV-F&S 2000a	Jul-99	B-62	Vinyl Chloride	35		0.029		1,207
TV-F&S 2000a	Jul-99	TW-1	Vinyl Chloride	31		0.029		1,069
Hart Crowser 1997	Oct-95	B-35	Vinyl Chloride	29		0.029		1,000
TV-F&S 2000a	Jul-99	TW-5	Vinyl Chloride	18		0.029		621
TV-F&S 2000a	Dec-98	B-22	Vinyl Chloride	17.4		0.029		600
ATI 1991b	Sep-91	B-17	Vinyl Chloride	16		0.029		552
Hart Crowser 1997	Dec-96	B-9	Vinyl Chloride	16		0.029		552
TV-F&S 2000a	Oct-99	B-9	Vinyl Chloride	14		0.029		483
TV-F&S 2000a	Jul-99	TW-3	Vinyl Chloride	12		0.029		414
TV-F&S 2000a	Nov-98	B-9	Vinyl Chloride	11		0.029		379
TV-F&S 2000a	Jul-99	TW-3 (DUP)	Vinyl Chloride	9.9		0.029		341
Hart Crowser 1993a	Sep-92	B-9	Vinyl Chloride	9		0.029		310
Hart Crowser 1993a	Aug-93	B-9	Vinyl Chloride	9		0.029		310
Hart Crowser 1993a	Aug-93	B-33A	Vinyl Chloride	8		0.029		276
Hart Crowser 1993a	Sep-92	B-27	Vinyl Chloride	6		0.029		207
Hart Crowser 1997	Oct-95	B-27	Vinyl Chloride	6		0.029		207
Hart Crowser 1992b	May-92	B-9	Vinyl Chloride	5.8		0.029		200
Hart Crowser 1992b	May-92	B-19	Vinyl Chloride	5.3	J	0.029		183
Hart Crowser 1993a	Aug-93	B-26	Vinyl Chloride	5		0.029		172
TV-F&S 2000a	Oct-98	B-19	Vinyl Chloride	5		0.029		172
TV-F&S 2000a	Oct-99	B-27	Vinyl Chloride	4.3		0.029		148
Hart Crowser 1992b	May-92	B-27	Vinyl Chloride	4		0.029		138
Hart Crowser 1992b	May-92	B-72	Vinyl Chloride	4		0.029		138
TV-F&S 2000a	Oct-98	B-34	Vinyl Chloride	3.7		0.029		128
TV-F&S 2000a	Jul-99	TW-6	Vinyl Chloride	3.4		0.029		117
TV-F&S 2000a	Oct-99	B-17	Vinyl Chloride	3.3		0.029		114
TV-F&S 2000a	Oct-99	B-55	Vinyl Chloride	3.2		0.029		110

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1992b	**May-92**	**B-72**	**Vinyl Chloride**	**3.1**		**0.029**		**107**
Hart Crowser 1997	**Dec-96**	**B-27**	**Vinyl Chloride**	**3**		**0.029**		**103**
TV-F&S 2000a	**Nov-98**	**B-27**	**Vinyl Chloride**	**3**		**0.029**		**103**
Hart Crowser 1992b	**May-92**	**B-6**	**Vinyl Chloride**	**3**		**0.029**		**103**
TV-F&S 2000a	**Oct-99**	**B-19**	**Vinyl Chloride**	**2.8**		**0.029**		**97**
Hart Crowser 1992b	**May-92**	**B-6**	**Vinyl Chloride**	**2.8**		**0.029**		**97**
Hart Crowser 1992b	**May-92**	**B-23**	**Vinyl Chloride**	**2.4**		**0.029**		**83**
TV-F&S 2000a	**Oct-99**	**B-6**	**Vinyl Chloride**	**2.3**		**0.029**		**79**
TV-F&S 2000a	**Oct-99**	**B-34**	**Vinyl Chloride**	**2.2**		**0.029**		**76**
Hart Crowser 1992b	**May-92**	**B-17**	**Vinyl Chloride**	**2.2**		**0.029**		**76**
Hart Crowser 1997	**Oct-95**	**B-36**	**Vinyl Chloride**	**2**		**0.029**		**69**
Hart Crowser 1997	**Dec-96**	**B-34**	**Vinyl Chloride**	**2**		**0.029**		**69**
Hart Crowser 1992b	**May-92**	**B-23 (DUP)**	**Vinyl Chloride**	**2**		**0.029**		**69**
TV-F&S 2000a	**Oct-98**	**B-8**	**Vinyl Chloride**	**1.5**		**0.029**		**52**
Hart Crowser 1992b	**May-92**	**B-24**	**Vinyl Chloride**	**0.5**		**0.029**		**17**
Hart Crowser 1992b	May-92	B-26	Vinyl Chloride	0.2		0.029		6.9
Hart Crowser 1990b	1990	B-10A	Vinyl Chloride	0.170		0.029		5.9
Hart Crowser 1990b	1990	B-9	Vinyl Chloride	0.051		0.029		1.8
TV-F&S 2000a	Nov-98	B-49	Xylenes (m&p)	4,900		1,000		4.9
TV-F&S 2000a	Oct-99	B-47 (DUP)	Xylenes (m&p)	3,800		1,000		3.8
TV-F&S 2000a	Oct-99	B-47	Xylenes (m&p)	3,600		1,000		3.6
TV-F&S 2000a	Nov-98	B-42	Xylenes (m&p)	2,100		1,000		2.1
TV-F&S 2000a	Oct-99	B-49	Xylenes (m&p)	2,000		1,000		2.0
TV-F&S 2000a	Oct-98	B-44	Xylenes (m&p)	1,300		1,000		1.3
TV-F&S 2000a	Oct-98	B-20	Xylenes (m&p)	1,100		1,000		1.1
TV-F&S 2000a	Nov-98	B-12	Xylenes (m&p)	1,100		1,000		1.1
Ecology 1993b	Jun-93	278091	Xylenes (total)	6,900		1,000		6.9
Hart Crowser 1992b	May-92	B-15	Xylenes (total)	5,300		1,000		5.3
Hart Crowser 1992b	May-92	B-10A	Xylenes (total)	5,100		1,000		5.1
Hart Crowser 1997	Dec-96	B-10A	Xylenes (total)	4,600		1,000		4.6
Ecology 1993c	Jul-93	B-49	Xylenes (total)	4,300	J	1,000		4.3
Hart Crowser 1992b	May-92	B-30	Xylenes (total)	4,200		1,000		4.2
Hart Crowser 1997	Dec-96	B-31	Xylenes (total)	4,100		1,000		4.1
Hart Crowser 1997	Dec-96	B-44	Xylenes (total)	2,400		1,000		2.4
Hart Crowser 1992b	May-92	B-16	Xylenes (total)	1,800		1,000		1.8

Table 7
Chemicals Above Screening Levels in Groundwater
Fox Avenue Building (Former Great Western Chemical)

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Hart Crowser 1997	Dec-96	B-39	Xylenes (total)	1,700		1,000		1.7
Ecology 1993b	Jun-93	278094 (DUP)	Xylenes (total)	1,300	J	1,000		1.3
Hart Crowser 1992b	May-92	B-21	Xylenes (total)	1,200		1,000		1.2
Hart Crowser 1992b	May-92	B-31	Xylenes (total)	1,100		1,000		1.1
Ecology 1993b	Jun-93	278094	Xylenes (total)	1,000	J	1,000		1.0
Hart Crowser 1992b	May-92	B-15	Zinc (dissolved)	150		4,800	76	2.0
Hart Crowser 1992b	**May-92**	**B-15**	**Zinc (total)**	**1,300**		**4,800**	**76**	**17**
Hart Crowser 1992b	May-92	B-31	Zinc (total)	320		4,800	76	4.2
Hart Crowser 1992b	May-92	B-24	Zinc (total)	280		4,800	76	3.7
Hart Crowser 1992b	May-92	B-16	Zinc (total)	260		4,800	76	3.4
Hart Crowser 1992b	May-92	B-22	Zinc (total)	250		4,800	76	3.3
Hart Crowser 1992b	May-92	B-23	Zinc (total)	250		4,800	76	3.3
Hart Crowser 1992b	May-92	B-72	Zinc (total)	250		4,800	76	3.3
Hart Crowser 1992b	May-92	B-14	Zinc (total)	210		4,800	76	2.8
Hart Crowser 1992b	May-92	B-11	Zinc (total)	190		4,800	76	2.5
Hart Crowser 1992b	May-92	B-26	Zinc (total)	180		4,800	76	2.4
Hart Crowser 1992b	May-92	B-19	Zinc (total)	140		4,800	76	1.8
Hart Crowser 1992b	May-92	B-18	Zinc (total)	120		4,800	76	1.6
Hart Crowser 1992b	May-92	B-9	Zinc (total)	120		4,800	76	1.6
Hart Crowser 1992b	May-92	B-29	Zinc (total)	96		4,800	76	1.3
Hart Crowser 1992b	May-92	B-27	Zinc (total)	79		4,800	76	1.0

a - The lower of MTCA Method A or B cleanup levels was selected, from CLARC database
b - From: SAIC 2006

DW - dry weight
CSL - Contaminant Screening Level from Washington Sediment Management Standards
NA - Not available

Notes:
(1) Table presents detected chemicals only.
(2) Exceedance factors are the ratio of the detected concentration to the MTCA Cleanup Level or Soil-to-Sediment Screening Value, whichever is lower. Only samples with exceedance factors greater than or equal to 1 are shown.
(3) Chemicals with exceedance factors greater than 10 are shown in **Bold**.

Table 8
Chemicals Above Screening Levels in Soil
Former Tyee Industries

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
TV-F&S 2001b	**Aug-00**	**WH-2**	**11.0**	**PCE**	**4.4**		**0.05**		**88**
TV-F&S 2001b	**Aug-00**	**WH-11**	**11.0**	**PCE**	**0.59**		**0.05**		**12**
TV-F&S 2001b	**Aug-00**	**WH-10**	**11.0**	**PCE**	**0.57**		**0.05**		**11**
TV-F&S 2001b	Aug-00	WH-9	11.0	PCE	0.39		0.05		7.8
TV-F&S 2001b	Aug-00	WH-5	15.5	PCE	0.25		0.05		5.0
TV-F&S 2001b	Aug-00	WH-9	12.5	PCE	0.23		0.05		4.6
TV-F&S 2001b	Aug-00	WH-11	12.5	PCE	0.22		0.05		4.4
TV-F&S 2001b	Aug-00	WH-3	11.0	PCE	0.2		0.05		4.0
TV-F&S 2001b	Aug-00	WH-3	12.5	PCE	0.19		0.05		3.8
TV-F&S 2001b	Aug-00	WH-8	11.0	PCE	0.14		0.05		2.8
TV-F&S 2001b	Aug-00	WH-10	16.5	PCE	0.14		0.05		2.8
TV-F&S 2001b	Aug-00	WH-1	10.5	PCE	0.11		0.05		2.2
TV-F&S 2001b	Aug-00	WH-2	12.5	PCE	0.11		0.05		2.2
TV-F&S 2001b	Aug-00	WH-4	14.0	PCE	0.11		0.05		2.2
TV-F&S 2001b	Aug-00	WH-10	12.5	PCE	0.1		0.05		2.0
TV-F&S 2001b	Aug-00	WH-5	12.5	PCE	0.092		0.05		1.8
TV-F&S 2001b	Aug-00	WH-4	11.0	PCE	0.081		0.05		1.6
TV-F&S 2001b	**Aug-00**	**WH-2**	**12.5**	**Pentachlorophenol**	**3.3**		**8.3**	**0.037**	**89**
TV-F&S 2001b	**Aug-00**	**WH-7**	**16.5**	**Pentachlorophenol**	**1.4**		**8.3**	**0.037**	**38**
TV-F&S 2001b	**Aug-00**	**WH-3**	**12.5**	**Pentachlorophenol**	**0.74**		**8.3**	**0.037**	**20**
TV-F&S 2001b	**Aug-00**	**WH-4**	**14.0**	**TCE**	**0.57**		**0.03**		**19**
TV-F&S 2001b	**Aug-00**	**WH-2**	**11.0**	**TCE**	**0.45**		**0.03**		**15**
TV-F&S 2001b	Aug-00	WH-9	12.5	TCE	0.26		0.03		8.7
TV-F&S 2001b	Aug-00	WH-3	12.5	TCE	0.2		0.03		6.7
TV-F&S 2001b	Aug-00	WH-1	11.5	Vinyl Chloride	3.3		0.67		4.9
TV-F&S 2001b	Aug-00	WH-5	16.5	Vinyl Chloride	1.2		0.67		1.8
TV-F&S 2001b	Aug-00	WH-3	12.5	Vinyl Chloride	0.7		0.67		1.0

a - The lower of MTCA Method A or B cleanup levels was selected, from CLARC database
b - From: SAIC 2006. Where two screening levels are listed for a single chemical, the higher screening levels are for soil samples collected from the vadose zone and the lower screening levels are for soil samples collected from the saturated zone.

DW - dry weight
CSL - Contaminant Screening Level from Washington Sediment Management Standards
NA - Not available

Notes:
(1) Table presents detected chemicals only.
(2) Exceedance factors are the ratio of the detected concentration to the MTCA Cleanup Level or Soil-to-Sediment Screening Value, whichever is lower. Only samples with exceedance factors greater than or equal to 1 are shown.
(3) Chemicals with exceedance factors greater than 10 are shown in **Bold**.

Table 9
Chemicals Above Screening Levels in Groundwater
Former Tyee Industries

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2001b	**Aug-00**	**B-31**	**Gasoline-Range Hydrocarbons**	**66,000**		**800**		**83**
TV-F&S 2001b	**Aug-00**	**WH-7**	**Gasoline-Range Hydrocarbons**	**66,000**		**800**		**83**
TV-F&S 2001b	**Aug-00**	**WH-6**	**Gasoline-Range Hydrocarbons**	**18,000**		**800**		**23**
TV-F&S 2001b	**Aug-00**	**WH-8**	**Gasoline-Range Hydrocarbons**	**10,000**		**800**		**13**
TV-F&S 2001b	Aug-00	WH-4	Gasoline-Range Hydrocarbons	6,500		800		8.1
TV-F&S 2001b	Aug-00	WH-5	Gasoline-Range Hydrocarbons	6,500		800		8.1
TV-F&S 2001b	Aug-00	WH-2	Gasoline-Range Hydrocarbons	4,300		800		5.4
TV-F&S 2001b	Aug-00	B-60	Gasoline-Range Hydrocarbons	4,000		800		5.0
TV-F&S 2001b	Aug-00	WH-10	Gasoline-Range Hydrocarbons	3,400		800		4.3
TV-F&S 2001b	Aug-00	B-11	Gasoline-Range Hydrocarbons	3,100		800		3.9
TV-F&S 2001b	Aug-00	WH-1	Gasoline-Range Hydrocarbons	1,800		800		2.3
TV-F&S 2001b	Aug-00	WH-11	Gasoline-Range Hydrocarbons	1,300		800		1.6
TV-F&S 2001b	**Aug-00**	**B-31**	**PCE**	**63,000**		**5**		**12,600**
TV-F&S 2001b	**Aug-00**	**B-11**	**PCE**	**21,000**		**5**		**4,200**
TV-F&S 2001b	**Aug-00**	**WH-4**	**PCE**	**13,000**		**5**		**2,600**
TV-F&S 2001b	**Aug-00**	**WH-5**	**PCE**	**9,400**		**5**		**1,880**
TV-F&S 2001b	**Aug-00**	**B-60**	**PCE**	**5,900**		**5**		**1,180**
TV-F&S 2001b	**Aug-00**	**WH-2**	**PCE**	**5,900**		**5**		**1,180**
TV-F&S 2001b	**Aug-00**	**WH-10**	**PCE**	**5,000**		**5**		**1,000**
TV-F&S 2001b	**Aug-00**	**WH-7**	**PCE**	**2,200**		**5**		**440**
TV-F&S 2001b	**Aug-00**	**WH-1**	**PCE**	**1,700**		**5**		**340**
TV-F&S 2001b	**Aug-00**	**WH-6**	**PCE**	**1,600**		**5**		**320**
TV-F&S 2001b	**Aug-00**	**WH-11**	**PCE**	**1,400**		**5**		**280**
TV-F&S 2001b	**Aug-00**	**WH-8**	**PCE**	**110**		**5**		**22**
TV-F&S 2001b	**Aug-00**	**B-18**	**PCE**	**100**		**5**		**20**
TV-F&S 2001b	**Aug-00**	**WH-7**	**Pentachlorophenol**	**1,500**		**0.73**	**10**	**2,055**
TV-F&S 2001b	**Aug-00**	**WH-2**	**Pentachlorophenol**	**170**		**0.73**	**10**	**233**
TV-F&S 2001b	**Aug-00**	**B-31**	**Pentachlorophenol**	**140**		**0.73**	**10**	**192**
TV-F&S 2001b	**Aug-00**	**B-11**	**Pentachlorophenol**	**110**		**0.73**	**10**	**151**
TV-F&S 2001b	**Aug-00**	**WH-6**	**Pentachlorophenol**	**46**		**0.73**	**10**	**63**
TV-F&S 2001b	**Aug-00**	**WH-4**	**Pentachlorophenol**	**39**		**0.73**	**10**	**53**
TV-F&S 2001b	**Aug-00**	**WH-10**	**Pentachlorophenol**	**37**		**0.73**	**10**	**51**
TV-F&S 2001b	**Aug-00**	**WH-11**	**Pentachlorophenol**	**21**		**0.73**	**10**	**29**
TV-F&S 2001b	**Aug-00**	**WH-1**	**Pentachlorophenol**	**16**		**0.73**	**10**	**22**
TV-F&S 2001b	**Aug-00**	**WH-5**	**Pentachlorophenol**	**12**		**0.73**	**10**	**16**
TV-F&S 2001b	Aug-00	B-60	Pentachlorophenol	5.1		0.73	10	7.0

Table 9
Chemicals Above Screening Levels in Groundwater
Former Tyee Industries

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
TV-F&S 2001b	Aug-00	B-18	Pentachlorophenol	2.8	J	0.73	10	3.8
TV-F&S 2001b	**Aug-00**	**B-31**	**TCE**	**14,000**		**0.11**		**127,273**
TV-F&S 2001b	**Aug-00**	**B-11**	**TCE**	**8,900**		**0.11**		**80,909**
TV-F&S 2001b	**Aug-00**	**WH-4**	**TCE**	**5,300**		**0.11**		**48,182**
TV-F&S 2001b	**Aug-00**	**WH-2**	**TCE**	**3,200**		**0.11**		**29,091**
TV-F&S 2001b	**Aug-00**	**WH-5**	**TCE**	**2,600**		**0.11**		**23,636**
TV-F&S 2001b	**Aug-00**	**WH-7**	**TCE**	**2,100**		**0.11**		**19,091**
TV-F&S 2001b	**Aug-00**	**WH-10**	**TCE**	**1,600**		**0.11**		**14,545**
TV-F&S 2001b	**Aug-00**	**WH-6**	**TCE**	**1,400**		**0.11**		**12,727**
TV-F&S 2001b	**Aug-00**	**WH-1**	**TCE**	**500**		**0.11**		**4,545**
TV-F&S 2001b	**Aug-00**	**B-60**	**TCE**	**380**		**0.11**		**3,455**
TV-F&S 2001b	**Aug-00**	**WH-11**	**TCE**	**300**		**0.11**		**2,727**
TV-F&S 2001b	**Aug-00**	**WH-7**	**Toluene**	**21,000**		**640**		**33**
TV-F&S 2001b	Aug-00	WH-6	Toluene	4,200		640		6.6
TV-F&S 2001b	Aug-00	B-31	Toluene	3,700		640		5.8
TV-F&S 2001b	Aug-00	WH-8	Toluene	3,100		640		4.8
TV-F&S 2001b	**Aug-00**	**WH-7**	**Vinyl Chloride**	**18,000**		**0.029**		**620,690**
TV-F&S 2001b	**Aug-00**	**WH-8**	**Vinyl Chloride**	**14,000**		**0.029**		**482,759**
TV-F&S 2001b	**Aug-00**	**WH-6**	**Vinyl Chloride**	**3,600**		**0.029**		**124,138**
TV-F&S 2001b	**Aug-00**	**WH-5**	**Vinyl Chloride**	**3,500**		**0.029**		**120,690**
TV-F&S 2001b	**Aug-00**	**B-18**	**Vinyl Chloride**	**2,600**		**0.029**		**89,655**
TV-F&S 2001b	**Aug-00**	**B-11**	**Vinyl Chloride**	**1,200**		**0.029**		**41,379**
TV-F&S 2001b	**Aug-00**	**WH-4**	**Vinyl Chloride**	**110**		**0.029**		**3,793**

a - The lower of MTCA Method A or B cleanup levels was selected, from CLARC database
b - From: SAIC 2006

DW - dry weight
CSL - Contaminant Screening Level from Washington Sediment Management Standards
NA - Not available

Notes:
(1) Table presents detected chemicals only.
(2) Exceedance factors are the ratio of the detected concentration to the MTCA Cleanup Level or Soil-to-Sediment Screening Value, whichever is lower. Only samples with exceedance factors greater than or equal to 1 are shown.
(3) Chemicals with exceedance factors greater than 10 are shown in **Bold**.

Table 10
Chemicals Above Screening Levels in Soil
Perkins Lot

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Onsite 2006	Apr-06	1	0.5	Chromium	57		19	270	3.0
Onsite 2006	Apr-06	3	0.5	Chromium	37		19	270	1.9
Onsite 2006	Apr-06	2	0.5	Chromium	20		19	270	1.1

a - The lower of MTCA Method A or B cleanup levels was selected, from CLARC database
b - From: SAIC 2006. Where two screening levels are listed for a single chemical, the higher screening levels are for soil samples collected from the vadose zone and the lower screening levels are for soil samples collected from the saturated zone.
DW - dry weight
CSL - Contaminant Screening Level from Washington Sediment Management Standards
NA - Not available

Notes:
(1) Table presents detected chemicals only.
(2) Exceedance factors are the ratio of the detected concentration to the MTCA Cleanup Level or Soil-to-Sediment Screening Value, whichever is lower. Only samples with exceedance factors greater than or equal to 1 are shown.
(3) Chemicals with exceedance factors greater than 10 are shown in **Bold**.

Table 11
Chemicals Above Screening Levels in Soil
Former Sternoff Property

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
Terra 1987	**Apr-86**	**TP-1**	**2.0**	**Aroclor 1254**	**23**		**1.6**	**1.3**	**18**
Terra 1987	Apr-86	TP-2	0.8	Aroclor 1254	12		1.6	1.3	9.2
Terra 1987	**Apr-86**	**TP-5**	**1.0**	**Aroclor 1260**	**75**			**1.3**	**58**
Terra 1987	**Dec-86**	**TH-4**	**1.0**	**Aroclor 1260**	**42**			**1.3**	**32**
Terra 1987	Apr-86	TP-10	1.0	Aroclor 1260	3.3			1.3	2.5
Terra 1987	Dec-86	TH-3	1.0	Aroclor 1260	3.11			1.3	2.4
SEACOR 1990	1990	MW-4	2	Arsenic	26.7		20	12,000	1.3
SEACOR 1990	1990	SB-5	2	Arsenic	20.7		20	12,000	1.0
SEACOR 1990	1990	SB-4	2	Benzene	0.23		0.03		7.7
SEACOR 1990	**1990**	**SB-7**	**1.5-3.5**	**Benzo(a)anthracene**	**109.5**			**5.4**	**20**
SEACOR 1990	**1990**	**SB-4**	**2**	**Benzo(a)anthracene**	**105.8**			**5.4**	**20**
SEACOR 1990	**1990**	**SB-4**	**2**	**Benzo(a)pyrene**	**23.1**		**0.1**	**4.2**	**231**
SEACOR 1990	**1990**	**SB-4**	**2**	**Benzo(g,h,i)perylene**	**473.1**			**1.6**	**296**
SEACOR 1990	**1990**	**SB-7**	**1.5-3.5**	**Benzo(g,h,i)perylene**	**253.1**			**1.6**	**158**
SEACOR 1990	**1990**	**SB-7**	**1.5-3.5**	**Benzo(k)fluoranthene**	**158.1**			**9**	**18**
SEACOR 1990	1990	SB-4	2	Benzo(k)fluoranthene	24.0			9	2.7
Terra 1987	**Apr-86**	**TP-3**	**0.8**	**Cadmium**	**310**		**2**	**34**	**155**
SEACOR 1990	**1990**	**SB-5**	**2**	**Cadmium**	**74.9**		**2**	**34**	**37**
Terra 1987	**Apr-86**	**TP-6**	**1.0**	**Cadmium**	**74**		**2**	**34**	**37**
Terra 1987	**Apr-86**	**TP-7**	**1.0**	**Cadmium**	**53**		**2**	**34**	**27**
Terra 1987	**Apr-86**	**TP-10**	**1.0**	**Cadmium**	**45**		**2**	**34**	**23**
Terra 1987	**Apr-86**	**TP-8**	**1.3**	**Cadmium**	**42**		**2**	**34**	**21**
Terra 1987	**Apr-86**	**TP-4**	**1.0**	**Cadmium**	**39**		**2**	**34**	**20**
Terra 1987	**Apr-86**	**TP-1**	**2.0**	**Cadmium**	**35**		**2**	**34**	**18**
SEACOR 1990	**1990**	**MW-4**	**2**	**Cadmium**	**26.2**		**2**	**34**	**13**
SEACOR 1990	1990	SB-4	2	Cadmium	19.8		2	34	9.9
SEACOR 1990	1990	MW-3	2.5	Cadmium	16.5		2	34	8.3
SEACOR 1990	1990	SB-2	3	Cadmium	13.5		2	34	6.8
SEACOR 1990	1990	SB-7	9-9.4	Cadmium	13.2		2	34	6.6
Terra 1987	Apr-86	TP-2	0.8	Cadmium	8.2		2	34	4.1
SEACOR 1990	1990	MW-3	6	Cadmium	7.3		2	34	3.7
SEACOR 1990	1990	MW-4	2	Chromium	154.0		19	270	8.1

Table 11
Chemicals Above Screening Levels in Soil
Former Sternoff Property

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
SEACOR 1990	1990	SB-5	2	Chromium	121.0		19	270	6.4
SEACOR 1990	1990	SB-4	2	Chromium	87.3		19	270	4.6
SEACOR 1990	1990	SB-7	9-9.4	Chromium	56.8		19	270	3.0
SEACOR 1990	1990	MW-3	2.5	Chromium	56.6		19	270	3.0
SEACOR 1990	1990	SB-2	3	Chromium	53.7		19	270	2.8
SEACOR 1990	1990	MW-3	6	Chromium	36.8		19	270	1.9
SEACOR 1990	1990	SB-9	2	Chromium	31.5		19	270	1.7
SEACOR 1990	1990	SB-1	6	Chromium	21.1		19	270	1.1
SEACOR 1990	**1990**	**SB-4**	**2**	**Chyrsene**	**104.2**			**9.2**	**11**
SEACOR 1990	**1990**	**SB-7**	**1.5-3.5**	**Chyrsene**	**102.9**			**9.2**	**11**
Terra 1987	**Apr-86**	**TP-7**	**1.0**	**Copper**	**8,300**		**3,000**	**780**	**11**
Terra 1987	Apr-86	TP-10	1.0	Copper	5,800		3,000	780	7.4
Terra 1987	Apr-86	TP-1	2.0	Copper	5,500		3,000	780	7.1
Terra 1987	Apr-86	TP-6	1.0	Copper	5,500		3,000	780	7.1
SEACOR 1990	1990	SB-4	2	Copper	4,787		3,000	780	6.1
SEACOR 1990	1990	SB-5	2	Copper	3,829		3,000	780	4.9
SEACOR 1990	1990	MW-4	2	Copper	2,508		3,000	780	3.2
SEACOR 1990	1990	SB-6	4.5-6.0	Copper	1,837		3,000	780	2.4
Terra 1987	Apr-86	TP-2	0.8	Copper	1,600		3,000	780	2.1
Terra 1987	Apr-86	TP-4	1.0	Copper	1,100		3,000	780	1.4
Terra 1987	Apr-86	TP-8	1.3	Copper	870		3,000	780	1.1
SEACOR 1990	1990	SB-7	1.5-3.5	Di-n-butylphthalate	121.0		8,000	39	3.1
SEACOR 1990	**1990**	**SB-4**	**2**	**Fluorene**	**45.8**		**3,200**	**0.081**	**565**
Terra 1987	**Apr-86**	**TP-6**	**1.0**	**Lead**	**19,800**		**250**	**1,300**	**79**
Terra 1987	**Apr-86**	**TP-3**	**0.8**	**Lead**	**9,800**		**250**	**1,300**	**39**
Terra 1987	**Apr-86**	**TP-4**	**1.0**	**Lead**	**8,800**		**250**	**1,300**	**35**
Terra 1987	**Apr-86**	**TP-1**	**2.0**	**Lead**	**7,100**		**250**	**1,300**	**28**
Terra 1987	**Apr-86**	**TP-10**	**1.0**	**Lead**	**6,700**		**250**	**1,300**	**27**
Terra 1987	**Apr-86**	**TP-2**	**0.8**	**Lead**	**6,500**		**250**	**1,300**	**26**
Terra 1987	**Apr-86**	**TP-7**	**1.0**	**Lead**	**5,800**		**250**	**1,300**	**23**
SEACOR 1990	**1990**	**SB-5**	**2**	**Lead**	**4,336**		**250**	**1,300**	**17**
SEACOR 1990	**1990**	**MW-4**	**2**	**Lead**	**2,845**		**250**	**1,300**	**11**

Table 11
Chemicals Above Screening Levels in Soil
Former Sternoff Property

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
SEACOR 1990	1990	SB-6	4.5-6.0	Lead	1,999		250	1,300	8.0
SEACOR 1990	1990	SB-4	2	Lead	1,980		250	1,300	7.9
Terra 1987	Apr-86	TP-8	1.3	Lead	1,600		250	1,300	6.4
SEACOR 1990	1990	SB-2	3	Lead	1,441		250	1,300	5.8
SEACOR 1990	1990	MW-3	2.5	Lead	1,159		250	1,300	4.6
SEACOR 1990	1990	SB-7	9-9.4	Lead	1,064		250	67	4.3
SEACOR 1990	1990	MW-3	6	Lead	344.0		250	1,300	1.4
SEACOR 1990	**1990**	**SB-4**	**2**	**Mercury**	**5.9**		**2**	**0.59**	**10**
SEACOR 1990	1990	SB-5	2	Mercury	4.2		2	0.59	7.1
SEACOR 1990	1990	MW-4	2	Mercury	3.53		2	0.59	6.0
SEACOR 1990	1990	SB-2	3	Mercury	3.12		2	0.59	5.3
SEACOR 1990	1990	MW-3	2.5	Mercury	0.67		2	0.59	1.1
SEACOR 1990	1990	SB-7	9-9.4	Mercury	0.52		2	0.030	17
SEACOR 1990	**1990**	**SB-7**	**1.5-3.5**	**Naphthalene**	**22.8**		**5**	**0.20**	**114**
SEACOR 1990	**1990**	**SB-5**	**2**	**PCBs**	**26.6**		**1**	**1.3**	**27**
SEACOR 1990	**1990**	**SB-4**	**2**	**PCBs**	**18.3**		**1**	**1.3**	**18**
SEACOR 1990	1990	SB-6	4.5-6.0	PCBs	6.5		1	1.3	6.5
SEACOR 1990	1990	MW-4	2	PCBs	5.2		1	1.3	5.2
SEACOR 1990	1990	SB-2	3	PCBs	5.1		1	1.3	5.1
SEACOR 1990	1990	MW-3	2.5	PCBs	5.0		1	1.3	5.0
SEACOR 1990	**1990**	**SB-6**	**9-9.5**	**PCBs**	**2.2**		**1**	**0.065**	**34**
SEACOR 1990	**1990**	**SB-7**	**9-9.4**	**PCBs**	**1.8**		**1**	**0.065**	**28**
SEACOR 1990	1990	MW-3	6	PCBs	1.1		1	1.3	1.1
SEACOR 1990	**1990**	**SB-7**	**11-12.5**	**PCBs**	**0.9**		**1**	**0.065**	**14**
SEACOR 1990	1990	SB-7	1.5-3.5	Phenanthrene	21.6			9.7	2.2
SEACOR 1990	1990	SB-4	2	Phenanthrene	18.8			9.7	1.9
Terra 1987	**Apr-86**	**TP-1**	**2.0**	**Total Hydrocarbons**	**25,000**		**2,000**		**13**
SEACOR 1990	**1990**	**SB-5**	**2**	**Total Petroleum Hydrocarbons**	**43,771**		**2,000**		**22**
SEACOR 1990	**1990**	**MW-4**	**2**	**Total Petroleum Hydrocarbons**	**28,550**		**2,000**		**14**
SEACOR 1990	**1990**	**SB-7**	**9-9.4**	**Total Petroleum Hydrocarbons**	**22,450**		**2,000**		**11**
SEACOR 1990	1990	MW-4	5	Total Petroleum Hydrocarbons	8,942		2,000		4.5
SEACOR 1990	1990	SB-2	15	Total Petroleum Hydrocarbons	7,662		2,000		3.8

Table 11
Chemicals Above Screening Levels in Soil
Former Sternoff Property

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
SEACOR 1990	1990	MW-3	2.5	Total Petroleum Hydrocarbons	7,248		2,000		3.6
SEACOR 1990	1990	SB-2	3	Total Petroleum Hydrocarbons	3,692		2,000		1.8
SEACOR 1990	1990	MW-3	6	Total Petroleum Hydrocarbons	2,654		2,000		1.3
SEACOR 1990	1990	SB-4	2	Total Petroleum Hydrocarbons	2,266		2,000		1.1
SEACOR 1990	1990	SB-4	2	Xylenes (total)	13.5		9		1.5
SEACOR 1990	**1990**	**SB-5**	**2**	**Zinc**	**20,953**		**24,000**	**770**	**27**
SEACOR 1990	**1990**	**SB-4**	**2**	**Zinc**	**8,616**		**24,000**	**770**	**11**
SEACOR 1990	1990	MW-4	2	Zinc	6,966		24,000	770	9.0
SEACOR 1990	1990	SB-6	4.5-6.0	Zinc	6,655		24,000	770	8.6
SEACOR 1990	1990	MW-3	2.5	Zinc	5,508		24,000	770	7.2
SEACOR 1990	1990	SB-2	3	Zinc	3,237		24,000	770	4.2
SEACOR 1990	1990	SB-7	9-9.4	Zinc	2,803		24,000	38	74
SEACOR 1990	1990	MW-3	6	Zinc	2,089		24,000	770	2.7

a - The lower of MTCA Method A or B cleanup levels was selected, from CLARC database
b - From: SAIC 2006. Where two screening levels are listed for a single chemical, the higher screening levels are for soil samples collected from the vadose zone and the lower screening levels are for soil samples collected from the saturated zone.

DW - dry weight
CSL - Contaminant Screening Level from Washington Sediment Management Standards
NA - Not available

Notes:
(1) Table presents detected chemicals only.
(2) Exceedance factors are the ratio of the detected concentration to the MTCA Cleanup Level or Soil-to-Sediment Screening Value, whichever is lower. Only samples with exceedance factors greater than or equal to 1 are shown.
(3) Chemicals with exceedance factors greater than 10 are shown in **Bold**.

Table 12
Chemicals Above Screening Levels in Floor Drain and Storm Drain Solids Samples
Former Sternoff Property

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
SEACOR 1990	1990	SED-7	--	Antimony	49.3		32		1.5
SEACOR 1990	1990	SED-2	--	Antimony	44.7		32		1.4
SEACOR 1990	1990	SED-6	--	Antimony	33.8		32		1.1
SEACOR 1990	1990	SED-6	--	Arsenic	48.6		20	12,000	2.4
SEACOR 1990	1990	SED-2	--	Arsenic	31.6		20	12,000	1.6
SEACOR 1990	1990	SED-3	--	Arsenic	31.6		20	12,000	1.6
SEACOR 1990	1990	Comp SB-7-1C, SB-7-2B	1.5-2, 2.7-3.5	Arsenic	31.0		20	12,000	1.6
SEACOR 1990	1990	SED-4	--	Arsenic	26.5		20	12,000	1.3
SEACOR 1990	**1990**	**Comp SB-7-1C, SB-7-2B**	**1.5-2, 2.7-3.5**	**Cadmium**	**53.2**		**2**	**34**	**27**
SEACOR 1990	**1990**	**SED-7**	**--**	**Cadmium**	**35.3**		**2**	**34**	**18**
SEACOR 1990	1990	SED-6	--	Cadmium	18.8		2	34	9.4
SEACOR 1990	1990	Comp FD-1, FD-2, FD-3 & FD-4	--	Cadmium	17.2		2	34	8.6
SEACOR 1990	1990	SED-2	--	Cadmium	13.2		2	34	6.6
SEACOR 1990	1990	SED-5	--	Cadmium	12.9		2	34	6.5
SEACOR 1990	1990	SED-4	--	Cadmium	11.4		2	34	5.7
SEACOR 1990	1990	SED-3	--	Cadmium	9.10		2	34	4.6
SEACOR 1990	1990	SED-1	--	Cadmium	6.6		2	34	3.3
SEACOR 1990	**1990**	**SED-5**	**--**	**Chromium**	**193.0**		**19**	**5,400**	**10**
SEACOR 1990	1990	Comp SB-7-1C, SB-7-2B	1.5-2, 2.7-3.5	Chromium	185.0		19	5,400	9.7
SEACOR 1990	1990	SED-3	--	Chromium	154.0		19	5,400	8.1
SEACOR 1990	1990	SED-6	--	Chromium	148.0		19	5,400	7.8
SEACOR 1990	1990	SED-4	--	Chromium	122.0		19	5,400	6.4
SEACOR 1990	1990	SED-2	--	Chromium	90.4		19	5,400	4.8
SEACOR 1990	1990	SED-1	--	Chromium	85.2		19	5,400	4.5
SEACOR 1990	1990	Comp FD-1, FD-2, FD-3 & FD-4	--	Chromium	64.1		19	5,400	3.4
SEACOR 1990	1990	SED-7	--	Chromium	54.6		19	5,400	2.9
SEACOR 1990	**1990**	**Comp FD-1, FD-2, FD-3 & FD-4**	**--**	**Copper**	**340,654**		**3,000**	**780**	**437**
SEACOR 1990	**1990**	**SED-2**	**--**	**Copper**	**42,798**		**3,000**	**780**	**55**
SEACOR 1990	**1990**	**SED-7**	**--**	**Copper**	**29,896**		**3,000**	**780**	**38**
SEACOR 1990	**1990**	**SED-3**	**--**	**Copper**	**24,526**		**3,000**	**780**	**31**
SEACOR 1990	**1990**	**SED-6**	**--**	**Copper**	**13,715**		**3,000**	**780**	**18**
SEACOR 1990	**1990**	**SED-4**	**--**	**Copper**	**10,649**		**3,000**	**780**	**14**

Table 12
Chemicals Above Screening Levels in Floor Drain and Storm Drain Solids Samples
Former Sternoff Property

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
SEACOR 1990	1990	SED-1	--	Copper	5,154		3,000	780	6.6
SEACOR 1990	1990	SED-5	--	Copper	3,965		3,000	780	5.1
SEACOR 1990	1990	Comp SB-7-1C, SB-7-2B	1.5-2, 2.7-3.5	Copper	1,831		3,000	780	2.3
SEACOR 1990	**1990**	**SED-7**	**--**	**Lead**	**82,893**		**250**	**1,300**	**332**
SEACOR 1990	**1990**	**SED-2**	**--**	**Lead**	**37,957**		**250**	**1,300**	**152**
SEACOR 1990	**1990**	**SED-4**	**--**	**Lead**	**36,790**		**250**	**1,300**	**147**
SEACOR 1990	**1990**	**Comp FD-1, FD-2, FD-3 & FD-4**	**--**	**Lead**	**27,853**		**250**	**1,300**	**111**
SEACOR 1990	**1990**	**SED-5**	**--**	**Lead**	**19,177**		**250**	**1,300**	**77**
SEACOR 1990	**1990**	**SED-6**	**--**	**Lead**	**16,144**		**250**	**1,300**	**65**
SEACOR 1990	**1990**	**SED-1**	**--**	**Lead**	**15,776**		**250**	**1,300**	**63**
SEACOR 1990	**1990**	**Comp SB-7-1C, SB-7-2B**	**1.5-2, 2.7-3.5**	**Lead**	**7,208**		**250**	**1,300**	**29**
SEACOR 1990	**1990**	**SED-3**	**--**	**Lead**	**6,854**		**250**	**1,300**	**27**
SEACOR 1990	1990	Comp FD-1, FD-2, FD-3 & FD-4	--	Mercury	4.41		2	0.59	7.5
SEACOR 1990	1990	SED-3	--	Mercury	4.35		2	0.59	7.4
SEACOR 1990	1990	SED-2	--	Mercury	3.35		2	0.59	5.7
SEACOR 1990	1990	SED-6	--	Mercury	2.91		2	0.59	4.9
SEACOR 1990	1990	Comp SB-7-1C, SB-7-2B	1.5-2, 2.7-3.5	Mercury	2.2		2	0.59	3.7
SEACOR 1990	1990	SED-7	--	Mercury	1.90		2	0.59	3.2
SEACOR 1990	1990	SED-5	--	Mercury	1.77		2	0.59	3.0
SEACOR 1990	1990	SED-4	--	Mercury	1.35		2	0.59	2.3
SEACOR 1990	1990	SED-1	--	Mercury	0.9		2	0.59	1.5
SEACOR 1990	**1990**	**SED-3**	**--**	**PCBs**	**163.0**		**1**	**1.3**	**163**
SEACOR 1990	**1990**	**SED-2**	**--**	**PCBs**	**73.0**		**1**	**1.3**	**73**
SEACOR 1990	**1990**	**Comp FD-1, FD-2, FD-3 & FD-4**	**--**	**PCBs**	**31.0**		**1**	**1.3**	**31**
SEACOR 1990	**1990**	**SED-6**	**--**	**PCBs**	**23.0**		**1**	**1.3**	**23**
SEACOR 1990	**1990**	**Comp SB-7-1C, SB-7-2B**	**1.5-2, 2.7-3.5**	**PCBs**	**18.8**		**1**	**1.3**	**19**
SEACOR 1990	1990	SED-4	--	PCBs	4.8		1	1.3	4.8
SEACOR 1990	1990	SED-7	--	PCBs	3.9		1	1.3	3.9
SEACOR 1990	1990	SED-1	--	PCBs	3.3		1	1.3	3.3
SEACOR 1990	1990	SED-5	--	PCBs	2.2		1	1.3	2.2
SEACOR 1990	**1990**	**SED-3**	**--**	**Total Petroleum Hydrocarbons**	**48,615.4**		**2,000**		**24**
SEACOR 1990	**1990**	**Comp SB-7-1C, SB-7-2B**	**1.5-2, 2.7-3.5**	**Total Petroleum Hydrocarbons**	**45,880**		**2,000**		**23**

Table 12
Chemicals Above Screening Levels in Floor Drain and Storm Drain Solids Samples
Former Sternoff Property

Source	Sample Date	Sample Location	Sample Depth (ft)	Chemical	Soil Conc'n (mg/kg DW)		MTCA Cleanup Level[a] (mg/kg)	Soil-to-Sediment Screening Level (Based on CSL)[b] (mg/kg)	Exceedance Factor
SEACOR 1990	**1990**	**SED-6**	**--**	**Total Petroleum Hydrocarbons**	**40,123**		**2,000**		**20**
SEACOR 1990	**1990**	**SED-7**	**--**	**Total Petroleum Hydrocarbons**	**33,042**		**2,000**		**17**
SEACOR 1990	1990	SED-4	--	Total Petroleum Hydrocarbons	17,863.01		2,000		8.9
SEACOR 1990	1990	Comp FD-1, FD-2, FD-3 & FD-4	--	Total Petroleum Hydrocarbons	17,688		2,000		8.8
SEACOR 1990	1990	SED-2	--	Total Petroleum Hydrocarbons	8,023		2,000		4.0
SEACOR 1990	1990	SED-5	--	Total Petroleum Hydrocarbons	7,516		2,000		3.8
SEACOR 1990	1990	SED-1	--	Total Petroleum Hydrocarbons	6,283		2,000		3.1
SEACOR 1990	**1990**	**Comp SB-7-1C, SB-7-2B**	**1.5-2, 2.7-3.5**	**Zinc**	**12,351**		**24,000**	**770**	**16**
SEACOR 1990	1990	Comp FD-1, FD-2, FD-3 & FD-4	--	Zinc	5,210		24,000	770	6.8
SEACOR 1990	1990	SED-2	--	Zinc	4,435		24,000	770	5.8
SEACOR 1990	1990	SED-6	--	Zinc	3,860		24,000	770	5.0
SEACOR 1990	1990	SED-7	--	Zinc	2,660		24,000	770	3.5
SEACOR 1990	1990	SED-4	--	Zinc	2,308		24,000	770	3.0
SEACOR 1990	1990	SED-5	--	Zinc	2,104		24,000	770	2.7
SEACOR 1990	1990	SED-3	--	Zinc	1,305		24,000	770	1.7
SEACOR 1990	1990	SED-1	--	Zinc	1,272		24,000	770	1.7

a - The lower of MTCA Method A or B cleanup levels was selected, from CLARC database
b - From: SAIC 2006. Where two screening levels are listed for a single chemical, the higher screening levels are for soil samples collected from the vadose zone and the lower screening levels are for soil samples collected from the saturated zone.

DW - dry weight
CSL - Contaminant Screening Level from Washington Sediment Management Standards
NA - Not available

Notes:
(1) Table presents detected chemicals only.
(2) Exceedance factors are the ratio of the detected concentration to the MTCA Cleanup Level or Soil-to-Sediment Screening Value, whichever is lower. Only samples with exceedance factors greater than or equal to 1 are shown.
(3) Chemicals with exceedance factors greater than 10 are shown in **Bold**.

Table 13
Chemicals Above Screening Levels in Groundwater
Former Sternoff Property

Source	Sample Date	Sample Location	Chemical	GW Conc'n (ug/L)		MTCA Cleanup Level[a] (ug/L)	GW-to-Sediment Screening Level (Based on CSL)[b] (ug/L)	Exceedance Factor
Terra 1987	1986	B-2	Aroclor 1260	1.52			0.31	4.9
SEACOR 1990	1990	MW-2	Copper	136		590	120	1.1
SEACOR 1990	**1990**	**MW-1**	**Mercury**	**0.3**		**2**	**0.0074**	**41**
Terra 1987	**1986**	**B-1**	**Mercury**	**0.09**		**2**	**0.0074**	**12**
Terra 1987	1986	B-2	Mercury	0.07		2	0.0074	9.5
SEACOR 1990	1990	MW-3	Total Petroleum Hydrocarbons	4,000		500		8.0
SEACOR 1990	1990	MW-2	Total Petroleum Hydrocarbons	2,400		500		4.8
SEACOR 1990	1990	MW-1	Total Petroleum Hydrocarbons	2,000		500		4.0
SEACOR 1990	1990	Sump	Total Petroleum Hydrocarbons	1,800		500		3.6

a - The lower of MTCA Method A or B cleanup levels was selected, from CLARC database
b - From: SAIC 2006

DW - dry weight
CSL - Contaminant Screening Level from Washington Sediment Management Standards
NA - Not available

Notes:
(1) Table presents detected chemicals only.
(2) Exceedance factors are the ratio of the detected concentration to the MTCA Cleanup Level or Soil-to-Sediment Screening Value, whichever is lower. Only samples with exceedance factors greater than or equal to 1 are shown.
(3) Chemicals with exceedance factors greater than 10 are shown in **Bold**.