Table 1. Groundwater sampling results for Mill Street Plant, Wayne County, Michigan. (All values in ppb. Bold values indicate exceedances of groundwater criteria.)

Chemical	No. detects/ No. samples'	Concentration Range	Field Blank	Pump Blank	GSI (no. ex-ceedances)
Acenaphthene	0/6	-			19
Antimony	3/6	0.956 - 4.28			2(2)
Arsenic	3/6	2.17-8.64			50
Barium	6/6	58.6 - 134	6.8	3.87	670
Benzo(a)anthracene	0/6	-			ID
Benzo(b)fluoranthene	0/6	-			ID
Benzo(a)pyrene	0/6	_			ID
Cadmium	2/6	0.1S6 -0.572			2.5
Calcium	6/6	76,200-164,000	6480	6650	
Carbazole	0/6	—			10
Chromium2	6/6	5.17-129	8.93	8.95	11(4)
Cobalt	6/6	0.368-3.17			100
Copper	6/6	4.12-95.9	11.1	2.83	13(3)
Cyanide	1/6	0.0423	0.0177		5.2
Dibenzo(a,h)anthracene	0/6	_			ID
Dibenzofuran	0/6	_			5
Endrin aldehyde	0/6	—			
Endrin ketone	0/6	—			
Fluoranthene	0/6	—			5
Fluorene	0/6	—			12
iodomethane	0/6	„			
iron	6/6	600 - 7,960	690	45.3	NA
Lead	6/6	0.608 - 55.6	0.846	0.622	14(3)
Lindane	0/6	—			0.03
Manganese	6/6	72.3 - 691	2.76	5.1	2,800
Mercury (Total)	0/6	—			0.0013
Naphthalene	0/6	—			13
Nickel	6/6	2.56 - 10.8	1.56	0.301	73
4-Nitroaniline	0/6	—			
Phenanthrene	0/6	—			5
Potassium	6/6	3,300-14,000	807	796	
Selenium	3/6	0.657 - 7.31			5.0 (1)
Silver	4/6	0.0794-2.16	0.488	0.072	0.2 (2)
trans-1 ,4-Dichloro-2-butene	0/6	—			
Vanadium	6/6	0.389-84.4	0.167	1.12	12(4)
Xylenes	0/6	-			35
Zinc	6/6	12.8-260	6.98	3.34	170(2)
Acronyms:					
GSI	Groundwater Surface Water Interface criteria				
ID	insufficent data to calculate criterion				
ppb	parts per billion				
Notes:					

1. One sample location had duplicate samples taken. The duplicates are counted as one sample. Only the higher concentration detected is shown.

2. Laboratory analysis did not speciate chromium. Therefore, the more health-protective values listed for chromium (VI) are used.

Table 2. Surface soil sampling results for Mill Street Plant, Wayne County, Michigan. (All values in ppm. Bold values indicate exceedances of soil criteria.)

Chemical	No. detects/ No. samples	Concentration Range	Mich Bkgd'	GSIPC (no. excee dances)	Res PS 1C (no. excee-dances)	Res/C1 DCC (no. excee-dances)	I/C PSIC (no. excee-dances)	I/C2 DCC (no. excee-dances)	C3 DCC (no. excee-dances}	C4 DCC (no. excee-dances)
Aceriaphthene	9/30	0.0394 - 2.08	NA	4.4	14,000,000	41,000	6,200,000	130,000	180,000	150,000
Antimony	13/30	0.128-2.27	NA	94	13,000	180	5.9	670	730	700
Arsenic	29/30	0.031 - 19.5	5.8	23	720	7.6 (4)	910	37	46	41
Barium	30/30	35,5- 1,560	75	440(5)	330	37,000	150,000	130,000	150,000	140,000
Benzojajan-thracene	30/30	0.0466-46.3	NA	NLL	ID	20(1)	ID	80	160	110
Benzo(b)-fluoranthene	30/30	0.0992 - 38.5	NA	NIL	ID	20(1)	ID	80	160	110
Benzo(a)pyrene	30/30	0.0699-35.9	NA	NLL	1,500	2(8}	1,900	8(4)	16(1)	11(2)
Cadmium	30/30	0.105-87.7	1.2	3(8)	1,700	550	2,200	2,100	2,100	2,100
Calcium	30/30	6,770- 194,000								
Carfaazole	22/30	0.0397-3.53	NA	1.1 (3)	ID	530	ID	2,400	3,400	2,900
Chromium[2]	30/30	13.1 - 1,450	1 8 (total)	3.3 (30)	260 (14)	2,500	^ 240(14)	9,200	10,000	9,600
Cobalt	30/30	1.43-22.2	6.8	2(8)	13,000	2,600	5,900	9,000	10,000	10,000
Copper	30/30	9.43 - 5,650	32	75(10}	130,000	20,000	59,000	73,000	79,000	76,000
Cyanide	28/30	0.24-5.4	0.39	0.2 (28)	250	12	250	250	250	250
Dibenzo(a.h)-afithracene	26/30	0.0433-3.35	NA	NLL	ID	2(2)	ID	8	16	11
Dlbenzofuran	10/30	0.0421 -3.7	NA	1.7(3)	ID	ID	ID	ID	ID	ID
Endrin aldehyde	1/30	1.19								
Endrin ketone	3/30	0.0133-1.42								
Fluoranthene	30/30	0.131 -90.0	NA	5.5 (6)	9,300,000	46,000	4,100,000	130,000	240,000	170,000
Fluorene	10/30	0.0391 -5.36	NA	5.3(1)	9.300,000	27,000	4,100.00	87,000	120,000	100,000
lodomefhane	5/30	0.0487-0.0767								
Iron	30/30	7,130-408,000	12,000	NA	ID	160,000 (8)	ID	580,000	620,000	600,000
Lead	30/30	10.9-3,110	21	2,500(1)	100,000	400 (5}	44,000	900 (3)	400 (5)	400 (5)
Lindane	2/30	0.0809 - 0.328	NA	0.02 (2)	ID	8.3	ID	42	49	45
Manganese	30/30	242 - 30,500	440	56 (29)	3,300(19)	25,000 (4)	1,500 (25)	90,000	98,000	94,000
Mercury (Total)	23/30	0.00852-4.34	0.13	0.1 (4)	20,000	160	8,800	580	620	600
Naphthalene	16/30	0.0402-5.67	NA	0.87 (3)	200,000	16,000	88,000	52,000	72,000	61,000
Nickel	30/30	11.4-78.1	20	76(1)	13,000	40,000	16,000	1 50.000	160,000	150,000
4-Niiroaniline	5/30	0.0422 -7.3B								

Table 2. Surface soil sampling results for Mill Street Plant, Wayne County, Michigan. {All values in ppm. Bold values indicate exceedances of soil criteria.)

Chemical	No. detects/ No. samples	Concentration Range	Mien Bkgd[1]	GSIPC (no. excee dances)	Res PSIC (no. excee-dances)	Res/d DCC (no. excee-dances)	I/C PSIC (no. excee-dances)	I/C2 DCC (no. excee-dances)	C3 DCC (no. excee-dances)	C4 DCC (no. excee-dances)
Phenanthrene	30/30	0.0554-69.5	NA	5.3 (4)	6,700	1,600	2,900	5,200	7,200	6,100
Potassium	30/30	85.8 - 3,330								
Selenium	19/30	0.046 -2.11	0.41	0.4 (17)	130,000	2,600	59,000	9,600	10,000	10
Silver	30/30	0.0293-1.51	1	0.5 (2)	6,700	2,500	2,900	9,000	9,800	9,400
trans-1,4-Dichlora 2-bulene	1/30	0.051								
Vanadium	30/30	7.76 - 435.0	NA	190 (6)	ID	750	ID	5,500	6,200	5,900
Xylenes	8/30	0.1295-1.776	NA	0-7(1)	290,000,000	150	130,000,000	150	150	150
Zinc	30/30	27.8-44.000	47	170(22)	ID	170,000	ID	630,000	690,000	660,000

Acronyms:

C3DCC	Commercial 3 Direct Contact Criteria
C4DCC	Commercial 4 Direct Contact Criteria
GSIPC	Groundwater Surface Water Interface Protection Criteria
I/C PS 1C	Industrial/Commercial Particulate Soil Inhalation Criteria
I/C2 DCC	Industrial/Commercial 2 Direct Contact Criteria
ID	insufficient data to calculate criterion
NA	not applicable
NLL	not likely to leach
ppm	parts per million
Res PSIC	Residential Particulate Soil Inhalation Criteria
Res/C1 DCC	Residential/Commercial 1 Direct Contact Criteria

Notes:

1 . If Michigan Background exceeds the generic criterion, Michigan Background is used for the comparison.

2. Laboratory analysis did not speciate chromium. Therefore, the more health-protective values listed from chromium (VI) are used.

Table 3. Subsurface soil sampling results for Mill Street Plant, Wayne County, Michigan. (All values in ppm. Bold values indicate exceedances of soil criteria.)

Chemical	No. detects/ No.	Concentration Range	Mlch Bkgd[1]	GSIPC (no. excea-	Res PSIC (no. ex cee -	Res/C1 DCC (no. excee-	I/C PSIC (no. exceedances}	I/C2 DCC (no. excee-dances)	C3 DCC (no. excee-dances)	C4 DCC (no. excee-dances)
Acenaphthene	6/25	0.0466 - 5.75	NA	4.4 (1)	14,000,000	41,000	6,200,000	130,000	180,000	150,000
Anlimony	13/25	0.0107-7.49	NA	94	13,000	180	5,900	670	730	700
Arsenic	25/25	1.19-22.3	5.8	23	720	7.6 (4)	910	37	46	41
Barium	25/25	26.8 - 363.0	75	440	330,000	37,000	150,000	130,000	1 50,000	140,000
Benzo(a]anthra-cene	22/25	0.0456-10.8	NA	NLL	ID	20	ID	80	160	110
Benzo(b)flLio-ranlhene	21/25	0.0424 - 6.53	NA	NLL	ID	20	ID	80	160	110
Benzo(a)pyrene	20/25	0.0517-6.09	NA	NLL	1,500	2(1)	1.9	8	16	11
Cadmium	25/25	0.139-6.68	1.2	3(3)	1,700	550	2,200	2,100	2,100	2,100
Calcium	25/25	2,360-138,000								
Carbazole	12/25	0.0427 - 3.66	NA	1.1 (1)	ID	530	ID	2,400	3,400	2,900
Chromium [2]	25/25	7.17-1,980	10 (total)	3.3 (25)	2EO (3)	2.5	240 (3)	9,200	10,000	9,600
Cobalt	25/25	1.51 - 13,4	6.8	2(11)	13,000	2,600	5,900	9,000	10,000	10
Copper	25/25	8.56-924,0	32	75(4)	130,000	20,000	59,000	73,000	79,000	76,000
Cyanide	5/25	0.25 - 0.55	0.39	0.2 (5)	250	12	250	250	250	250
Dibenzo(a,h)-anltiracene	15/25	0.0620 - 1.01	NA	NLL	ID	2	ID	8	16	11
Dlbenzofuran	9/25	0.0426-2.72	NA	1.7(1}	ID	ID	ID	ID	ID	ID
Endrin aldehyde	1/25	0,0357								
Endrin heione	11/25	0,0303								
Fluoranthene	24/25	0.0431 -19.8	NA	5.5(1)	9,300,000	46,000	4,100,000	130,000	240,000	170,000
Fluorene	10/25	0.0451 -3.71	NA	5.3	9,300,000	27,000	4,100,000	87,000	120,000	100,000
Iodomethane	11/25	0.0429 - 0.0753								
Iron	25/25	7,880-139,000	12,000	NA	ID	160,000	ID	580,000	620,000	600,000
Lead	25/25	7.08 - 422	21	2,500	100,000	400(1)	44,000	900	400 (1)	400 (1)
Llndane	11/25	0,256	NA	0.02(1}	ID	8.3	ID	42	49	45
Manganese	25/25	83.7-27.500	440	56 (16)	3,300 (4}	23,000 (1}	1,500(6)	90,000	98	94,000
Mercury (Total)	22/25	0.00432 - 3.62	0.13	0.1 (3)	20,000	160	6,800	580	620	600
Napltlhalene	12/25	0.0492 - 0.445	NA	0.07	200,000	16,000	88,000	52,000	72,000	61,000
Nickel	25/25	9.01 -128.0	20	76(1}	13,000	40,000	16,000	150,000	160,000	150,000
4-Nitroanilirie	11/25	2.29								

Table 3. Subsurface soil sampling results for Mill Street Plant, Wayne County, Michigan. (All values in ppm. Bold values indicate exceedances of soil criteria.)

Chemical	No. detects/ No. samples	Concentration Range	Mich Bkgd[1]	GSIPC (no. excee-dances)	Res PSIC (no. excee-dances)	Res/C1 DCC (no. excee-dances)	I/C PSIC (no. exceedances)	I/C2 DCC (no. excee-dances)	C3 DCC (no. excee-dances)	C4 DCC (no. excee-dances)
Phenanthrene	22 / 25	0.0833 - 18.1	NA	**5.3 (3)**	6,700	1,600	2,900	5,200	7,200	6,100
Potassium	25 / 25	156.0 - 3,430								
Selenium	9 / 25	0.052 - 2.37	0.41	**0.4 (6)**	130,000	2,600	59,000	9,600	10,000	10,000
Silver	23 / 25	0.0182 - 0.514	1	0.5	6,700	2,500	2,900	9,000	9,800	9,400
trans-1,4-Dichloro 2-butene	0 / 25	---								
Vanadium	25 / 25	4.58 - 316.0	NA	**190 (1)**	ID	750	ID	5,500	6,200	5,900
Xylenes	2 / 25	0.1103 - 0.2566	NA	0.7	290,000,000	150	130,000,000	150	150	150
Zinc	25 / 25	24.3 - 409.0	47	**170 (6)**	ID	170,000	ID	630,000	690,000	660,000

Acronyms:

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ppm	parts per million
Res PSIC	Residential Particulate Soil Inhalation Criteria
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Notes:

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