

Table 1
Summary of Soil Analytical Results '89-'95 7
 IB Property, Bay City, Mi
 AKT Peerless Project Number 3522F-2-20

Sample Identification and Date		MWR-SB-1 (3-5)	MWR-SB-2 (0-2)	MWR-SB-2 (4-6)	MWR-SB-3 (0-2)	MWR-SB-3 (4-6)	MWR-SB-4 (0-2)	MWR-SB-4 (4-6)	MWR-SB-5 (0-2)	MWR-SB-5 (4-6)	MWR-SB-6 (4-6)	MWR-SB-7 (0-2)	MWR-SB-7 (4-6)	MWR-SB-8 (0-2)	MWR-SB-8 (4-6)	MWR-SB-9 (0-2)	MDEQ Generic Residential Drinking Water Protection Criteria α	MDEQ Generic Residential Groundwater Surface Water Interface Protection Criteria	MDEQ Generic Residential Soil Direct Contact Criteria α	MDEQ Generic Residential Soil Volatilization to Ambient Air Inhalation Criteria α	MDEQ Generic Residential Soil Volatilization to Indoor Air Inhalation Criteria α
Gasoline Parameters ($\mu\text{g}/\text{kg}$)	CAS#																				
Benzene	71432	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	4,000	180,000	13,000	1,600
Ethylbenzene	100414	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500	360	140,000	9,500,000	140,000
Methylene chloride	75092	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	19,000	1,300,000	210,000	45,000
Xylenes	1330207	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,600	700	150,000	46,000,000	150,000
Other VOCs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Michigan Metals ($\mu\text{g}/\text{kg}$)	CAS#																				
Arsenic	7440382	ND	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23,000	70,000	7,600	NLV	NLV
Barium	7440393	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1,300,000	1,900	37,000,000	NLV	NLV
Cadmium	7440439	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,000	G	550,000	NLV	NLV
Chromium (total)	18540229	ND	ND	ND	ND	ND	ND	ND	ND	ND	61,500	178,000	23,500	39,400	ND	ND	30,000	G	2,500,000	NLV	NLV
Copper	7440508	ND	49600	145,000	39,700	40,600	42,800	ND	80000	ND	39,800	438,000	930,000	109,000	32,400	55,400	5,800,000	G	20,000,000	NLV	NLV
Lead	7439921	56200	60600	35,500	58,400	54,100	53,200	ND	80500	38,900	27,000	110,000	368,000	38,300	ND	ND	700,000	G	400,000	NLV	NLV
Nickel	7440020	ND	ND	ND	ND	ND	ND	ND	ND	ND	27,500	126,000	56,500	24,600	ND	NA	100,000	G	40,000,000	NLV	NLV
Mercury (inorganic)	7439976	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,700	100	160,000	NLV	NLV
Selenium	7782492	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,000	400	2,600,000	NLV	NLV
Silver	7440224	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,200	ND	ND	ND	ND	ND	4,500	500	2,500,000	NLV	NLV
Zinc	7440666	54700	74400	57,000	89,000	90,700	88,600	53000	79200	145,000	109,000	219,000	482,000	76,200	ND	ND	2,400,000	G	170,000,000	NLV	NLV
PNAs and PCBs ($\mu\text{g}/\text{kg}$)	CAS#																				
Phenanthrene	85018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	56,000	2,300	1,600,000	9,300	1,800,000
Acenaphthylene	208968	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,900	ID	1,600,000	2,200,000	1,600,000
Naphthalene	91203	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35,000	870	16,000,000	300,000	250,000
Fluoranthene	206440	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	730,000	5,500	46,000,000	740,000,000	1,000,000,000
Pyrene	206440	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	480,000	ID	29,000,000	650,000,000	1,000,000,000
Benzo(a)pyrene	50328	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NLL	NLL	2,000	1,500,000	NLV
Dibenzo(a,h)anthracene	53703	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NLL	NLL	2,000	NLV	NLV
Other PNAs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note:

($\mu\text{g}/\text{kg}$) - Micrograms per kilogram

"<" - Less than the laboratory method detection limit

NA - Not analyzed

ND - Not detected above laboratory method detection limits

NLV - Not likely to volatilize

ID - Inadequate data to develop criteria

IP - Development in process

NLL - Not likely to leach

NA - Not available

α - MDEQ Operational Memorandum #18: Part 201 Generic Cleanup Criteria and Screening Levels, June 7, 2000

β - MDEQ Operational Memorandum #4: Part 213 Tier I Risk-Based Screening Levels (RBSLs), June 2000

bold - concentration exceeds MDEQ Criteria