

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

Sample Identification and Date		IB-SB-06 (7-17)	IB-SB-07 (2-12)	IB-SB-08 (8-10)	IB-SB-09 (4-6)	IB-SB-10 (8-10)	IB-SB-11 (4-6)	IB-SB-11 (12-14)	IB-SB-12 (12-14)	IB-SB-13 (4-6)	IB-SB-13 (12-14)	IB-SB-14 (8-10)	IB-SB-15 (2-4)	IB-SB-15 (8-10)	IB-SB-16 (2-4)	IB-SB-16 (4-6)	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	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	4,000	180,000	13,000	1,600
Ethylbenzene	100414	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	4100	ND	ND	ND	1,500	360	140,000	9,500,000	140,000
Methylene chloride	75092	NA	NA	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	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	11000	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	ND	ND	ND	11,000	9,500	ND	9700	ND	ND	ND	ND	8,100	ND	ND	23,000	70,000	7,600	NLV	NLV
Barium	7440393	ND	ND	ND	ND	ND	ND	ND	180000	ND	ND	ND	ND	94,000	ND	ND	1,300,000	1,900	37,000,000	NLV	NLV
Cadmium	7440439	16000	7800	12000	10000	11,000	13,000	ND	12000	4000	4800	5200	2900	3200	3600	3500	6,000	G	550,000	NLV	NLV
Chromium (total)	18540229	32,000	22,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	G	2,500,000	NLV	NLV
Copper	7440508	94000	110000	150,000	320,000	110,000	170,000	ND	120000	ND	ND	ND	ND	ND	ND	ND	5,800,000	G	20,000,000	NLV	NLV
Lead	7439921	45000	150000	30,000	81,000	25,000	57,000	80000	100000	ND	ND	ND	ND	140,000	ND	ND	700,000	G	400,000	NLV	NLV
Nickel	7440020	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	100,000	G	40,000,000	NLV	NLV
Mercury (inorganic)	7439976	ND	ND	ND	ND	180	ND	ND	310	ND	ND	ND	ND	150	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	ND	ND	ND	ND	ND	ND	4,500	500	2,500,000	NLV	NLV
Zinc	7440666	ND	ND	55,000	83,000	ND	56,000	ND	120000	ND	ND	ND	ND	260,000	ND	ND	2,400,000	G	170,000,000	NLV	NLV
PNAs and PCBs ($\mu\text{g}/\text{kg}$)	CAS#																				
Phenanthrene	85018	600	ND	ND	ND	600	ND	ND	ND	ND	ND	2,600	ND	7,500	ND	ND	56,000	2,300	1,600,000	9,300	1,800,000
Acenaphthylene	208968	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,200	ND	ND	5,900	ID	1,600,000	2,200,000	1,600,000
Naphthalene	91203	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35,000	870	16,000,000	300,000	250,000
Fluoranthene	206440	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	730,000	5,500	46,000,000	740,000,000	1,000,000,000
Pyrene	206440	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13,000	ND	ND	480,000	ID	29,000,000	650,000,000	1,000,000,000
Benzo(a)pyrene	50328	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,400	ND	ND	NLL	NLL	2,000	1,500,000	NLV
Dibenzo(a,h)anthracene	53703	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,800	ND	ND	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