

**Table 1**  
**Summary of Soil Analytical Results '89-'95 5**  
 IB Property, Bay City, Mi  
 AKT Peerless Project Number 3522F-2-20

Sample Identification and Date		IB-SB-43 (4-6)	IB-SB-44 (20-22)	IB-SB-44 (22-24)	IB-SB-45 (10-12)	IB-SB-45 (12-14)	IB-SB-46 (4-6)	IB-SB-46 (8-10)	IB-SB-47 (4-8)	IB-SB-47 (8-10)	IB-SB-48 (0-1)	CS-SB-04 (8-14)	CS-SB-06 (6-12)	CS-SB-07 (10-16)	CS-SB-07 (21-22)	CS-SB-13 (3-7)	MDEQ Generic Residential Drinking Water Protection Criteria $\alpha$	MDEQ Generic Residential Groundwater Surface Water Interface Protection Criteria	MDEQ Generic Residential Soil Direct Contact Criteria $\alpha$	MDEQ Generic Residential Soil Volatilization to Ambient Air Inhalation Criteria $\alpha$	MDEQ Generic Residential Soil Volatilization to Indoor Air Inhalation Criteria $\alpha$
<b>Gasoline Parameters (<math>\mu\text{g}/\text{kg}</math>)</b>	<b>CAS#</b>																				
Benzene	71432	ND	<b>2000</b>	<b>5,800</b>	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	<b>14000</b>	ND	<b>100</b>	<b>4,000</b>	180,000	<b>13,000</b>	<b>1,600</b>
Ethylbenzene	100414	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	ND	ND	1,500	360	140,000	9,500,000	140,000
Methylene chloride	75092	ND	ND	ND	ND	NA	ND	ND	<b>290</b>	ND	NA	<b>110</b>	ND	NA	ND	ND	<b>100</b>	19,000	1,300,000	210,000	45,000
Xylenes	1330207	ND	<b>7000</b>	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	ND	ND	<b>5,600</b>	<b>700</b>	150,000	46,000,000	150,000
Other VOCs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Michigan Metals (<math>\mu\text{g}/\text{kg}</math>)</b>	<b>CAS#</b>																				
Arsenic	7440382	ND	NA	ND	ND	ND	NA	NA	ND	ND	NA	<b>12,000</b>	<b>11,000</b>	NA	NA	NA	23,000	70,000	<b>7,600</b>	NLV	NLV
Barium	7440393	ND	NA	ND	ND	ND	NA	NA	190	ND	NA	ND	ND	NA	NA	NA	1,300,000	1,900	37,000,000	NLV	NLV
Cadmium	7440439	2900	NA	3300	<b>14000</b>	<b>6,700</b>	NA	NA	3900	ND	NA	ND	ND	NA	NA	NA	<b>6,000</b>	G	550,000	NLV	NLV
Chromium (total)	18540229	ND	NA	ND	<b>81,000</b>	<b>36,000</b>	NA	NA	ND	ND	NA	<b>51,000</b>	ND	NA	NA	NA	<b>30,000</b>	G	2,500,000	NLV	NLV
Copper	7440508	ND	NA	ND	170,000	1,800,000	NA	NA	720000	ND	NA	140,000	140,000	NA	NA	NA	5,800,000	G	20,000,000	NLV	NLV
Lead	7439921	88000	NA	ND	85,000	230	NA	NA	230000	ND	NA	65,000	89,000	NA	NA	NA	700,000	G	400,000	NLV	NLV
Nickel	7440020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100,000	G	40,000,000	NLV	NLV
Mercury (inorganic)	7439976	ND	NA	ND	<b>200</b>	<b>6,200</b>	NA	NA	<b>200</b>	ND	NA	ND	ND	NA	NA	NA	<b>1,700</b>	<b>100</b>	160,000	NLV	NLV
Selenium	7782492	ND	NA	ND	ND	ND	NA	NA	<b>3100</b>	ND	NA	<b>1,800</b>	ND	NA	NA	NA	4,000	<b>400</b>	2,600,000	NLV	NLV
Silver	7440224	ND	NA	ND	<b>1,800</b>	ND	NA	NA	ND	ND	NA	<b>1,300</b>	ND	NA	NA	NA	4,500	<b>500</b>	2,500,000	NLV	NLV
Zinc	7440666	ND	NA	ND	ND	57,000	NA	NA	140000	ND	NA	140,000	54,000	NA	NA	NA	2,400,000	G	170,000,000	NLV	NLV
<b>PNAs and PCBs (<math>\mu\text{g}/\text{kg}</math>)</b>	<b>CAS#</b>																				
Phenanthrene	85018	1,000	NA	ND	<b>4200</b>	<b>13,000</b>	1,000	600	<b>3,900</b>	<b>2,700</b>	1,800	ND	ND	<b>2,800</b>	ND	ND	56,000	<b>2,300</b>	1,600,000	<b>9,300</b>	1,800,000
Acenaphthylene	208968	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,900	ID	1,600,000	2,200,000	1,600,000
Naphthalene	91203	ND	NA	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	NA	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	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	480,000	ID	29,000,000	650,000,000	1,000,000,000
Benzo(a)pyrene	50328	ND	NA	ND	<b>2800</b>	<b>4,800</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NLL	NLL	<b>2,000</b>	1,500,000	NLV
Dibenzo(a,h)anthracene	53703	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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

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

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

**bold** - concentration exceeds MDEQ Criteria