

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

Sample Identification and Date		IB-HA-06 (1.5-3.5)	IB-HA-07 (1.5-4.5)	IB-HA-08 (1.5-3)	IB-HA-09 (1.5-4.5)	IB-HA-10 (1.5-4.5)	IB-HA-11 (1.5-2)	IB-HA-12 (1.5-4.5)	IB-HA-13 (1.5-4.5)	IB-HA-14 (1.5-4.5)	IB-HA-15 (1.5-4.5)	IB-HA-16 (1.5-3.5)	IB-HA-17 (1.5-2)	IS-BS-01 (6-8)	IS-BS-01 (8-10)	IS-BS-02 (8-10)	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	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	100	4,000	180,000	13,000	1,600
Ethylbenzene	100414	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	1,500	360	140,000	9,500,000	140,000
Methylene chloride	75092	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	100	19,000	1,300,000	210,000	45,000
Xylenes	1330207	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	5,600	700	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	ND	<b>9,600</b>	ND	ND	ND	ND	ND	ND	ND	<b>9,200</b>	<b>34,000</b>	ND	ND	ND	23,000	70,000	<b>7,600</b>	NLV	NLV
Barium	7440393	ND	ND	ND	ND	<b>180,000</b>	<b>96,000</b>	ND	ND	ND	<b>78,000</b>	ND	ND	ND	ND	ND	1,300,000	<b>1,900</b>	37,000,000	NLV	NLV
Cadmium	7440439	2700	<b>8000</b>	<b>14000</b>	5200	<b>13,000</b>	<b>18,000</b>	3600	3500	3300	5300	<b>8200</b>	<b>11000</b>	2700	3400	4000	<b>6,000</b>	G	550,000	NLV	NLV
Chromium (total)	18540229	ND	ND	ND	ND	<b>37,000</b>	<b>49,000</b>	ND	ND	ND	ND	24,000	<b>75,000</b>	ND	ND	ND	<b>30,000</b>	G	2,500,000	NLV	NLV
Copper	7440508	ND	70000	70,000	ND	380,000	270,000	ND	ND	ND	180,000	82,000	170,000	ND	ND	ND	5,800,000	G	20,000,000	NLV	NLV
Lead	7439921	33000	66000	130,000	ND	82,000	150,000	ND	ND	ND	96,000	70,000	290,000	ND	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	ND	ND	ND	1,600	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	1500	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,500	500	2,500,000	NLV	NLV
Zinc	7440666	ND	86000	99,000	ND	91,000	160,000	ND	ND	ND	150,000	200,000	<b>4,400,000</b>	ND	ND	ND	<b>2,400,000</b>	G	170,000,000	NLV	NLV
<b>PNAs and PCBs (<math>\mu\text{g}/\text{kg}</math>)</b>	<b>CAS#</b>																				
Phenanthrene	85018	<b>3,300</b>	1500	1700	1000	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	<b>4,900</b>	56,000	<b>2,300</b>	1,600,000	9,300	1,800,000
Acenaphthylene	208968	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	900	ID	1,600,000	2,200,000	1,600,000
Naphthalene	91203	ND	ND	ND	ND	NA	NA	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	NA	NA	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	NA	NA	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	<b>2300</b>	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	<b>2,600</b>	NLL	NLL	<b>2,000</b>	1,500,000	NLV
Dibenzo(a,h)anthracene	53703	ND	ND	ND	ND	NA	NA	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