

**Table 1**  
**Summary of Soil Analytical Results '89-'95 8**  
 IB Property, Bay City, Mi  
 AKT Peerless Project Number 3522F-2-20

Sample Identification and Date		MWR-SB-9 (4-6)	MWR-SB-10 (4-6)	MWR-SB-12 (0-2)	MWR-SB-12 (4-6)	MWR-SB-13 (0-2)	MWR-SB-13 (4-6)	MWR-SB-14 (4-6)	MWR-SB-15 (0-2)	MWR-SB-15 (4-6)	MWR-SB-16 (0-2)	Subsurface IS	Subsurface IN	ETG-SB-4 (5-7)	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	<b>470</b>	<b>100</b>	4,000	180,000	13,000	1,600
Ethylbenzene	100414	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1,500	360	140,000	9,500,000	140,000
Methylene chloride	75092	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	100	19,000	1,300,000	210,000	45,000
Xylenes	1330207	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	23,000	70,000	7,600	NLV	NLV
Barium	7440393	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,300,000	1,900	37,000,000	NLV	NLV
Cadmium	7440439	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	6,000	G	550,000	NLV	NLV
Chromium (total)	18540229	ND	ND	<b>70100</b>	ND	ND	ND	<b>146,000</b>	24,200	ND	ND	ND	<b>41,700</b>	NA	<b>30,000</b>	G	2,500,000	NLV	NLV
Copper	7440508	166000	62200	176,000	37,700	<b>22,300,000</b>	102,000	226000	ND	46,900	314,000	ND	78,200	NA	<b>5,800,000</b>	G	<b>20,000,000</b>	NLV	NLV
Lead	7439921	38100	38800	30,600	ND	<b>1,580,000</b>	ND	29000	57000	22,800	61,000	39,200	270,000	NA	<b>700,000</b>	G	<b>400,000</b>	NLV	NLV
Nickel	7440020	31600	ND	<b>106,000</b>	ND	26,300	62,900	<b>136000</b>	ND	20,400	ND	ND	ND	NA	<b>100,000</b>	G	40,000,000	NLV	NLV
Mercury (inorganic)	7439976	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	1,700	100	160,000	NLV	NLV
Selenium	7782492	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	4,000	400	2,600,000	NLV	NLV
Silver	7440224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	4,500	500	2,500,000	NLV	NLV
Zinc	7440666	58500	ND	ND	ND	ND	ND	52700	336000	ND	ND	221,000	696,000	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	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	ND	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	ND	35,000	870	16,000,000	300,000	250,000
Fluoranthene	206440	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	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	ND	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	ND	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	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