

**TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
FORMER STUDEBAKER FOUNDRY
SOUTH BEND, IN**

Sample I.D.:	HA-1	HA-2	HMW-1D	SB-5	TP-1	TP-1	TP-2	TP-2	TP-3	TP-3	TP-4	TP-4	TP-5	TP-5	TP-6	TP-6	1996 Tier II Nonresidential Cleanup Criteria	RISC Industrial Default Closure Level		
	Depth (ft):	0-0.5	0-1.0	0-2.0	0-1.5	0-2.0	4.0-5.0	0-2.0	4.0-5.0	0-2.0	4.0-5.0	0-2.0	4.0-5.0	0-2.0	4.0-5.0	0-2.0			4.0-5.0	
Date Collected:	7/31/2001	7/31/2001	7/31/2001	8/8/2001	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010	2/4/2010				
Parameter	Units																Surface Soils	Subsurface Soils		
METALS																				
Arsenic	mg/kg-dry	13.4	18	7.4	57.1	14	2.7	2	9.9	11	7.2	19	3.6	2.7	8.5	12	612	438	5.8	
Lead	mg/kg-dry	599	449	68	122	480	3.2	11	79	250	410	420	9.7	5	240	150	1000	1000	230	
TCLP Arsenic	mg/l											<RL								
TCLP Lead	mg/l					0.09														
PNAS																				
Acenaphthene	mg/kg-dry	<RL	---	---	<RL	0.26	<RL	<RL	<RL	0.63	0.32	0.21	0.33	<RL	<RL	<RL	<RL	10000	10000	1800
Acenaphthylene	mg/kg-dry	<RL	---	---	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	0.35	NA	NA	180
Anthracene	mg/kg-dry	<RL	---	---	<RL	0.58	<RL	<RL	<RL	1.7	0.79	0.58	0.85	<RL	<RL	<RL	0.53	10000	10000	2000
Benzo[a]anthracene	mg/kg-dry	<RL	0.84	---	<RL	2.9	<RL	<RL	<RL	8.1	3.1	2.4	2.6	<RL	<RL	0.26	2.7	79.45	103.88	15
Benzo[a]pyrene	mg/kg-dry	<RL	0.75	0.28	<RL	2	<RL	<RL	<RL	5.8	2.6	1.5	1.9	<RL	<RL	0.16	2.2	7.94	69.85	1.5
Benzo[b]fluoranthene	mg/kg-dry	<RL	1.69	0.56	<RL	3.9	<RL	<RL	<RL	9.5	4	2	2.5	<RL	<RL	0.21	3.3	79.45	354.98	15
Benzo[k]fluoranthene	mg/kg-dry	<RL	0.36	---	<RL	0.78	<RL	<RL	<RL	2.3	1.3	0.89	1.4	<RL	<RL	<RL	1.3	794.52	3759.12	150
Benzo(g,h,i) perylene	mg/kg-dry	---	---	---	---	1.6	<RL	<RL	<RL	4.2	1.6	0.91	1.2	<RL	<RL	<RL	1.6	NA	NA	NA
Chrysene	mg/kg-dry	<RL	1.58	---	<RL	3.2	<RL	<RL	<RL	7.4	3.2	2	2.7	<RL	<RL	0.34	2.8	7945.21	10000	1500
Dibenz[a,h]anthracene	mg/kg-dry	<RL	---	---	<RL	0.31	<RL	<RL	<RL	0.8	0.34	0.18	0.16	<RL	<RL	<RL	0.34	7.95	69.86	1.5
Fluoranthene	mg/kg-dry	<RL	0.64	0.59	<RL	6.4	<RL	<RL	<RL	17	8.8	4.9	6.4	<RL	<RL	0.28	4.9	10000	10000	2000
Fluorene	mg/kg-dry	<RL	---	---	<RL	0.22	<RL	<RL	<RL	0.71	0.35	0.2	0.29	<RL	<RL	<RL	0.26	10000	10000	2000
Indeno[1,2,3-cd]pyrene	mg/kg-dry	<RL	---	---	<RL	1.3	<RL	<RL	<RL	3.5	1.3	0.72	0.97	<RL	<RL	<RL	1.4	79.45	629.17	15
Naphthalene	mg/kg-dry	<RL	0.93	---	<RL	0.19	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	10000	10000	170
Phenanthrene	mg/kg-dry	<RL	1.17	0.36	<RL	3.2	<RL	<RL	<RL	8	4	2.7	3.9	<RL	<RL	0.2	2.6	NA	NA	170
Pyrene	mg/kg-dry	<RL	1.54	0.54	<RL	5.2	<RL	<RL	<RL	14	6.3	4	4.9	<RL	<RL	0.32	5.1	1000	10000	2000
DRY WEIGHT																				
DRY WEIGHT	wt%	90.8	95	93.2	98.6	85	94.7	95.3	94.8	90.9	89	90	94.4	86	93.4	91.2	91.2	---	---	---

Source: Results from samples collected in 2001 were obtained from Table 2, Initial Phase II for the Studebaker Area A Properties by Hull and Associates dated December 2001

Notes: NA - Data Not Available

RL - Reporting Limit

Surface Soil - Defined as the upper two feet of the soil column.

Subsurface Soil - Defined as the soil below a depth of two feet.

1996 Cleanup Criteria from 1996 VRP Resource Guide Tables 9, 10, and 14

RISC Cleanup Criteria from RISC Technical Guide Appendix 1 (Updated September 9, 2009)

RCRA hazardous waste criteria for lead and arsenic is 5 mg/l.

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Sample concentration exceeding 1996 Tier II Nonresidential Criteria

Sample concentration exceeding RISC Industrial Default Cleanup Criteria