

APPENDIX B

CUT AND PLUG IRM ANALYTICAL RESULTS

TABLE B-1
SAG HARBOR FORMER MGP SITE REMEDIAL INVESTIGATION
CUT AND PLUG PROGRAM
SOIL SAMPLE RESULTS
BTEX COMPOUNDS

PERIOD: From 01/05/1999 thru 01/06/1999 - Inclusive

SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID	NYSDEC SCG	SHCP-01 SHCP-1 01/05/1999 0.00	SHCP-02 SHCP-2 01/06/1999 0.00	SHCP-03 SHCP-3 01/06/1999 0.00	SHCP-04 SHCP-4 01/06/1999 0.00
Benzene	(mg/kg)	0.06	[0.83]	0.031	12 U	0.039
Toluene	(mg/kg)	1.5	0.92	0.029	12 U	0.018
Ethyl benzene	(mg/kg)	5.5	[41]	1.1	[52]	0.96
Xylene (total)	(mg/kg)	1.2	[51]	[1.7]	[120]	0.87
Total BTEX	(mg/kg)		93.75	2.86	172	1.887

mg/kg= milligram/kilogram
Data qualifiers defined in Glossary

[]: Exceeds SCG
---=Not analyzed

TABLE B-2
SAG HARBOR FORMER MGP SITE REMEDIAL INVESTIGATION
CUT AND PLUG PROGRAM
SOIL SAMPLE RESULTS
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

PERIOD: From 01/05/1999 thru 01/06/1999 - Inclusive

SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft)	NYSDEC SCG	SHCP-01 SHCP-1 01/05/1999 0.00	SHCP-02 SHCP-2 01/06/1999 0.00	SHCP-03 SHCP-3 01/06/1999 0.00	SHCP-04 SHCP-4 01/06/1999 0.00
Naphthalene	(mg/kg)	13	[180]	[19]	[330]	4.4
2-Methylnaphthalene	(mg/kg)	36.4	[89]	13	[98]	0.8 U
Acenaphthylene	(mg/kg)	41	5.5 J	1.4 J	4.4 J	0.69 J
Acenaphthene	(mg/kg)	50	[57]	22	[110]	0.045 J
Fluorene	(mg/kg)	50	29	8.2	[54] J	0.086 J
Phenanthrene	(mg/kg)	50	[120]	37	[210]	0.77 J
Anthracene	(mg/kg)	50	31	10	[58] J	0.24 J
Fluoranthene	(mg/kg)	50	33	11	[69] J	0.76 J
Pyrene	(mg/kg)	50	[160]	37	[130]	2.6
Benz(a)anthracene	(mg/kg)	0.224	[28]	[7.6]	[38] J	[0.73] J
Chrysene	(mg/kg)	0.4	[29]	[8]	[34] J	[1.1]
Benzo(b)fluoranthene	(mg/kg)	1.1	[12] J	[1.8] J	[14] J	[1.3]
Benzo(k)fluoranthene	(mg/kg)	1.1	[15] J	[3.6] J	[17] J	[1.2]
Benzo(a)pyrene	(mg/kg)	0.061	[29]	[4.8] J	[28] J	[0.84]
Indeno(1,2,3-cd)pyrene	(mg/kg)	3.2	[13] J	2.2 J	[11] J	1.6
Dibenz(a,h)anthracene	(mg/kg)	0.014	[8.4] J	[1] J	[3.8] J	[0.49] J
Benzo(g,h,i)perylene	(mg/kg)	50	29	3.6 J	16 J	2.1
Total CAPAHs	(mg/kg)	10	[134.4]	[29]	[145.8]	7.26
Total PAHs	(mg/kg)	500	[867.9]	191.2	[1225.2]	18.951

mg/kg= milligram/kilogram
Data qualifiers defined in Glossary

[]: Exceeds SCG
---=Not analyzed

TABLE B-3
 SAG HARBOR FORMER MGP SITE REMEDIAL INVESTIGATION
 CUT AND PLUG PROGRAM
 SOIL SAMPLE RESULTS
 RCRA METALS AND CYANIDE

PERIOD: From 01/05/1999 thru 01/06/1999 - Inclusive

SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID	NYSDEC SCG	SHCP-01 SHCP-1 01/05/1999 0.00	SHCP-02 SHCP-2 01/06/1999 0.00	SHCP-03 SHCP-3 01/06/1999 0.00	SHCP-04 SHCP-4 01/06/1999 0.00
Arsenic	(mg/kg)	7.5	2.7	1.1	1.5	3.6
Barium	(mg/kg)	300	16.3	8.5	15.1	42.8
Cadmium	(mg/kg)	10	0.22 U	0.22 U	0.18 U	0.40
Chromium	(mg/kg)	50	3.6	2.8	3.0	3.5
Lead	(mg/kg)	500	176.	13.5	34.2	166.
Mercury	(mg/kg)	0.10	0.053	0.042 U	[0.12]	[0.58]
Selenium	(mg/kg)	2	0.66 U	0.71	1.4	0.87
Silver	(mg/kg)		0.22 U	0.22 U	0.18 U	0.20 U
Cyanide, total	(mg/kg)		0.618 U	0.542 U	0.608 U	0.604 U

mg/kg= milligram/kilogram
 Data qualifiers defined in Glossary

[]: Exceeds SCG
 ---=Not analyzed