TABLE 3-4
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR 3 TO 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil											B-814	B-816	B-818	B-822	B-822
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*	UNITS/	B814 (7.0-8.0') 4/1/2008	B816 (9.0-10.0') 4/1/2008	B818 (7.0-9.0') 4/1/2008	B822 (7.0-8.0') 4/1/2008	B822 (6.0-8.0') 4/1/2008
CONSTITUENT	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**(Class I)**	**Metropolitan Areas**	**DEPTH**	**7.0-8.0'**	**9.0-10.0'**	**7.0-9.0'**	**7.0-8.0'**	**6.0-8.0'**
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	0.0012	0.0015	<0.0401	<0.0064	<0.0159
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	<0.0061	<0.0061	7.54	<0.0321	<0.0795
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.0018	<0.0061	<0.201	<0.0321	<0.0795
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	0.0013	<0.0061	3.95	<0.0321	0.025
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	<0.004	0.013	0.943	<0.005	<0.004
Acenaphthylene	2,300[(1)]	61,000 [(1)]	61,000 [(1)]	-----	-----	-----	-----	-----	24.0[(1)]	0.070	(mg/kg)	<0.004	0.009	0.613	0.213	0.037
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	<0.004	<0.004	1.14	0.010	0.007
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	<0.004	<0.004	0.858	0.018	0.012
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	<0.004	<0.004	0.921	0.029	0.014
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	<0.004	<0.004	0.713	0.053	0.015
Benzo(ghi)perylene	2,300[(1)]	61,000 [(1)]	61,000 [(1)]	-----	-----	-----	-----	-----	32,000[(1)]	1.700	(mg/kg)	<0.004	<0.004	0.338	0.054	0.016
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	<0.004	<0.004	0.227	0.018	0.006
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	<0.004	<0.004	0.820	0.017	0.008
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	<0.004	<0.004	0.099	0.015	<0.004
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	<0.004	<0.004	1.82	0.019	0.010
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	<0.004	<0.004	0.815	0.007	0.004
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	<0.004	<0.004	0.293	0.045	0.013
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	<0.004	<0.004	0.082	0.012	0.010
Phenanthrene	2,300[(1)]	61,000 [(1)]	61,000 [(1)]	-----	-----	-----	-----	-----	220[(1)]	2.500	(mg/kg)	<0.004	<0.004	3.77	0.008	0.013
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	<0.004	0.005	2.64	0.030	0.029

Notes:	mg/kg	Milligrams per kilogram
	(1)	Provisional remediation objective provided by IEPA
	-----	No remediation objective has been established by the IEPA for this constitiuent for this exposure route
	<12	Not detected at the level identified
		Analytical result exceeds one or more Tier 1 RO

TABLE 3-4
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR 3 TO 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil														
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*		B-823	B-823	B-827	B-829	B-833
												B823 (3.0-4.0')	B823 (9.0-10.0')	B827 (7.0-8.0')	B829 (6.0-7.0')	B833 (9.0-10.0')
												4/1/2008	4/1/2008	4/2/2008	4/2/2008	4/2/2008
CONSTITUENT	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**(Class I)**	**Metropolitan Areas**	**UNITS/ DEPTH**	**3.0-4.0'**	**9.0-10.0'**	**7.0-8.0'**	**6.0-7.0'**	**9.0-10.0'**
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	<0.0014	0.0029	<0.0227	0.253	13.20
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	<0.0068	0.0108	<0.113	0.066	5.50
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.0014	0.0058	<0.113	<0.132	34.90
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	0.0026	0.0326	<0.113	0.061	54.0
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	<0.005	<0.022	0.031	2.0	3.09
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	0.045	0.372	0.072	0.240	11.70
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	0.010	0.060	0.016	0.975	11.0
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	0.057	0.484	0.019	0.673	6.26
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	0.067	0.732	0.059	0.545	4.38
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	0.065	0.350	0.082	0.513	4.86
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	0.059	0.337	0.053	0.227	1.30
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	0.060	0.368	0.019	0.179	1.93
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	0.058	0.494	0.018	0.625	5.35
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	0.018	0.085	0.015	0.071	0.517
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	0.063	0.467	0.019	1.68	17.0
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	<0.005	0.022	0.043	1.38	14.2
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	0.057	0.259	0.047	0.194	1.43
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	0.008	<0.022	<0.008	0.063	52.2
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	0.032	<0.022	0.008	4.10	36.5
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	0.072	1.08	0.099	2.03	14.3

Notes:

mg/kg	Milligrams per kilogram
(1)	Provisional remediation objective provided by IEPA
-----	No remediation objective has been established by the IEPA for this constitiuent for this exposure route
<12	Not detected at the level identified
	Analytical result exceeds one or more Tier 1 RO

TABLE 3-4
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR 3 TO 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil											B-501	B-502	B-503	B-504	B-505	B-506
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*	UNITS/	B-501-8	B-502-7	B-503-10	B-504-7	B-505-6	B-506-7
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	(Class I)	Metropolitan Areas	DEPTH	7/13/2004 7'-8'	7/13/2004 6'-7'	7/13/2004 9'-10'	7/13/2004 6'-7'	7/14/2004 5'-6'	7/22/2004 6'-7'
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	0.183	10.9	0.534	20.8	14.5	11.2
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	0.041	5.66	0.523	145.0	79.8	46.2
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	<0.123	0.22	0.30	10.9	3.8	0.74
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	0.041	11.0	0.837	140.0	69.9	33.7
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	0.05	15.5	1.58	594.0	540.0	169.0
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	0.24	2.70	0.316	71.0	81.4	12.30
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	0.18	11.70	1.38	303.0	279.0	71.20
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	0.18	8.70	0.63	169.0	137.0	32.60
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	0.27	4.10	0.515	130.0	141.0	35.20
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	0.25	17.60	0.633	110.0	130.0	29.0
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	0.063	4.0	0.11	<160	31.0	7.19
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	0.097	5.60	0.24	<160	45.10	7.42
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	0.17	18.60	0.651	150.0	143.0	33.0
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	<0.301	1.90	0.045	<160	10.0	2.3
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	0.336	16.9	1.85	317.0	294.0	78.4
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	0.328	20.10	1.23	406.0	404.0	90.5
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	0.064	4.7	0.13	<160.0	35.0	6.0
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	<0.301	59.40	16.0	2000	2340	794.0
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	0.038	49.60	3.48	1120	923.0	247.0
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	0.502	24.90	1.52	436	405.0	114.0

Notes:

mg/kg	Milligrams per kilogram
(1)	Provisional remediation objective provided by IEPA
-----	No remediation objective has been established by the IEPA for this constitiuent for this exposure route
<12	Not detected at the level identified
	Analytical result exceeds one or more Tier 1 RO

TABLE 3-4
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR 3 TO 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil											B-507	B-508	B-509	B-510	B-512	B-513
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*	UNITS/	B-507-8	B-508-9	B-509-8	B-510-5	B-512-8	B-513-8
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	(Class I)	Metropolitan Areas	DEPTH	7/21/2004 7'-8'	7/19/2004 8'-9'	7/21/2004 7'-8'	7/12/2004 4'-5'	7/12/2004 7'-8'	7/12/2004 7'-8'
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	3.51	2.08	0.0046	0.0043	<0.0244	<0.0202
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	22.2	33.1	0.0038	<0.0049	<0.0122	0.036
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.28	0.575	0.0014	0.0017	<0.0122	<0.101
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	16.6	24.3	0.012	0.0013	<0.0122	0.044
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	52.90	50.90	9.76	<0.313	0.30	1.58
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	3.58	5.80	4.69	0.150	<0.442	2.04
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	24.20	22.30	7.21	0.067	0.15	2.78
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	9.46	11.80	9.37	0.498	<0.442	1.15
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	11.6	10.00	8.67	0.509	<0.442	0.954
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	7.86	7.90	6.81	0.707	<0.442	0.822
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	2.41	4.5	2.85	0.28	<0.442	0.42
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	2.32	3.1	2.54	0.22	<0.442	0.28
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	8.79	<11.1	9.0	0.589	<0.442	1.09
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	0.72	<11.1	<2.25	0.074	<0.442	0.11
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	26.50	23.10	17.80	0.652	<0.442	2.07
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	34.60	29.5	12.70	0.048	0.31	4.23
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	2.31	3.5	2.36	0.23	<0.442	0.43
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	171.0	143.0	<2.25	0.033	<0.442	<0.660
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	77.20	63.60	37.40	0.21	0.644	9.26
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	37.0	32.90	25.20	1.04	0.15	3.17

Notes:

mg/kg	Milligrams per kilogram
(1)	Provisional remediation objective provided by IEPA
-----	No remediation objective has been established by the IEPA for this constitiuent for this exposure route
<12	Not detected at the level identified
	Analytical result exceeds one or more Tier 1 RO

TABLE 3-4
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR 3 TO 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil											B-514	B-515	B-516	B-550	B-551	B-553
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*	UNITS/	B-514-8	B-515-7	B-516-5	B-550-9	B-551-10	B-553-6
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	(Class I)	Metropolitan Areas	DEPTH	7/22/2004 7'-8'	7/16/2004 6'-7'	7/22/2004 4'-5'	7/20/2004 8'-9'	7/15/2004 9'-10'	7/14/2004 5'-6'
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	3.10	9.03	0.656	0.61	1.26	4.05
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	23.5	59.1	4.72	1.26	13.6	20.8
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.446	2.45	0.289	0.055	0.069	0.811
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	19.8	40.7	1.48	0.623	5.72	19.3
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	48.10	268.0	7.5	5.33	23.30	280.0
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	8.83	34.20	4.97	0.791	3.00	27.0
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	19.30	103.0	3.75	2.63	13.30	166.0
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	10.80	64.70	7.19	1.57	9.62	119.0
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	12.90	88.20	15.50	1.83	12.30	125.0
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	8.94	66.30	13.30	1.39	11.0	131.0
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	2.75	25.90	4.98	0.41	3.50	29.0
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	2.59	24.90	4.25	0.41	4.20	50.5
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	10.20	73.50	8.45	1.58	10.10	116.0
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	0.85	11.0	1.30	0.16	1.0	9.7
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	23.60	148.0	7.63	2.60	20.50	302.0
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	36.30	146.0	5.51	4.35	15.20	179.0
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	2.69	26.70	4.47	0.37	3.70	34.0
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	105.0	509.0	23.90	2.70	46.30	877.0
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	71.5	341.0	11.60	9.57	40.80	535.0
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	33.0	192.0	14.50	3.85	21.40	335.0

Notes:

mg/kg	Milligrams per kilogram
(1)	Provisional remediation objective provided by IEPA
-----	No remediation objective has been established by the IEPA for this constitiuent for this exposure route
<12	Not detected at the level identified
	Analytical result exceeds one or more Tier 1 RO

TABLE 3-4
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR 3 TO 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil											B-554	B-556	B-557	TP-501	TP-503A	TP-507
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*		B-554-10	B-556-6	B-557-10	TP-501-7	TP-503A-3.5	TP-507-3.5
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	(Class I)	Metropolitan Areas	UNITS/ DEPTH	7/15/2004 9'-10'	7/20/2004 5'-6'	7/20/2004 9'-10'	7/8/2004 7'	7/8/2004 3.5'	7/7/2004 3.5'
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	0.765	2.77	0.0071	0.438	12.8	13.2
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	3.91	19.9	0.0074	30.6	14.6	64.1
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	2.7	<1.03	0.002	<0.220	2.56	3.75
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	6.12	12.2	0.0134	16.6	14.9	92.6
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	77.40	63.90	0.319	18.0	3.0	55.0
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	7.30	4.20	0.130	6.80	0.78	57.0
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	29.40	27.70	0.183	8.10	0.87	30.0
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	12.80	12.10	0.141	4.70	1.50	23.0
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	14.50	12.30	0.163	5.20	2.90	21.0
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	12.80	8.70	0.133	2.30	1.50	12.0
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	2.20	5.0	0.054	1.30	1.30	7.90
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	4.70	2.40	0.039	1.60	0.75	6.90
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	13.80	13.0	0.142	5.70	1.70	27.0
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	0.79	1.30	0.02	1.20	<0.110	<0.093
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	31.90	27.30	0.334	20.0	2.90	89.0
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	41.70	26.40	0.199	13.0	0.75	49.0
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	1.90	4.30	0.048	1.50	1.40	7.20
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	1.80	205.0	0.014	18.0	9.20	240.0
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	90.70	90.0	1.11	32.0	2.90	140.0
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	42.40	40.40	0.499	14.0	2.70	63.0

Notes:

mg/kg	Milligrams per kilogram
(1)	Provisional remediation objective provided by IEPA
-----	No remediation objective has been established by the IEPA for this constitiuent for this exposure route
<12	Not detected at the level identified
	Analytical result exceeds one or more Tier 1 RO

TABLE 3-4
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR 3 TO 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil											TP-508	UTB-14	UTB-15	UTB-20	UTB-21	UTB-22
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*	UNITS/	TP-508-4	UTB-14-01	UTB-15-S01	UTB-20-S01	UTB-21-S01	UTB-22-S01
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	(Class I)	Metropolitan Areas	DEPTH	7/8/2004 4'	12/5/1990 4'-5'	12/13/1991 9'-11'	12/11/1991 7'-8'	12/12/1991 3'-8'	12/12/1991 6'-8'
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	6.4	<0.310	0.36	<0.310	<3.100	<0.310
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	57.0	<0.310	1.80	<0.310	20.0	<0.310
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	7.34	<0.310	<0.310	<0.310	8.8	<0.310
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	76.0	0.33	1.70	<0.310	<3.100	<0.310
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	330.0	38.0	32.0	0.12	46.0	<1.3
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	240.0	<19.0	<16.0	0.16	1.30	<1.3
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	110.0	34.0	15.0	<0007	29.0	<1.3
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	64.0	24.0	8.70	0.066	17.0	<1.3
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	50.0	20.0	<16.0	<0.0077	12.0	<1.3
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	56.0	22.0	<16.0	<0.001	12.0	<1.3
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	13.0	<19.0	<16.0	<0.0047	10.0	<1.3
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	13.0	<19.0	<16.0	<0.0004	<0.660	<1.3
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	66.0	26.0	<16.0	<0.001	11.0	<1.3
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	9.10	<19.0	<16.0	<0.0028	<0.660	<1.3
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	300.0	46.0	16.0	0.10	26.0	<1.3
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	210.0	38.0	18.0	<0.0006	27.0	0.69
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	14.0	<19.0	5.10	<0.001	8.50	<1.3
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	710.0	22.0	120.0	<0.005	320.0	<1.3
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	500.0	96.0	54.0	<0.005	120.0	1.50
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	180.0	48.0	23.0	0.14	58.0	<1.3

Notes:

mg/kg	Milligrams per kilogram
(1)	Provisional remediation objective provided by IEPA
-----	No remediation objective has been established by the IEPA for this constituent for this exposure route
<12	Not detected at the level identified
	Analytical result exceeds one or more Tier 1 RO

TABLE 3-4
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR 3 TO 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil														
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*		UTB-23 UTB-23-S01 12/14/1991	UTB-24 UTB-24-S01 12/15/1991	UTB-25 UTB-25-S01 12/14/1991	UTB-26 UTB-26-S01 12/15/1991	UTB-27 UTB-27-S01 12/16/1991
CONSTITUENT	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**(Class I)**	**Metropolitan Areas**	**UNITS/ DEPTH**	**6'-8'**	**6'-8'**	**9'-11'**	**6'-8'**	**6'-8**
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	56.0	<3.100	2.70	0.58	12.0
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	82.0	8.20	9.50	22.0	7.4
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	54.0	<3.100	4.0	<0.310	22.0
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	100.0	5.60	12.0	2.30	35.0
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	390.0	100.0	53.0	17.0	37.0
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	<160	<82	13.0	<3.3	12.0
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	230.0	<82	37.0	8.10	45.0
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	160.0	<82	13.0	4.30	36.0
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	<160	<82	6.80	4.30	14.0
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	<160	<82	5.20	<3.3	13.0
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	<160	<82	5.60	<3.3	11.0
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	<160	<82	2.0	<3.3	4.80
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	160.0	<82	8.10	4.10	22.0
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	<160	<82	1.30	<3.3	2.30
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	360.0	68.0	51.0	9.50	49.0
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	370.0	57.0	38.0	8.80	35.0
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	<160	<82	5.40	<3.3	15.0
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	2600.0	490.0	380.0	45.0	120.0
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	1000.0	56.0	68.0	27.0	180.0
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	630.0	110.0	34.0	17.0	103.0

Notes:

mg/kg	Milligrams per kilogram
(1)	Provisional remediation objective provided by IEPA
-----	No remediation objective has been established by the IEPA for this constitiuent for this exposure route
<12	Not detected at the level identified
	Analytical result exceeds one or more Tier 1 RO