TABLE 3-3
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR 0 TO 3 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil														
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to GW	*MSA Background* Metropolitan		B-814	B-816	B-818	B-822	B-823
												B814 (0.0-2.0')	B816 (1.0-2.0')	B818 (2.0-3.0')	B822 (1.0-3.0')	B823 (3.0-4.0')
												4/1/2008	4/1/2008	4/1/2008	4/1/2008	4/1/2008
CONSTITUENT	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**(Class I)**	**Areas**	**UNITS**	**0.0-2.0'**	**1.0-2.0'**	**2.0-3.0'**	**1.0-3.0'**	**3.0-4.0'**
Benzene	12	100	2,300	0.80	1.6	2.2	0.069	0.51	0.03	--	(mg/kg)	<0.0019	<0.0015	0.0183	<0.0012	0.0014
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	<0.0093	0.0027	<0.0063	<0.0058	0.0068
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	<0.0093	0.0034	0.0025	<0.0058	0.0014
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	<0.0093	0.0022	<0.0063	<0.0058	0.0026
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570	0.130	(mg/kg)	<0.063	<0.009	<0.422	<0.004	<0.005
Acenaphthylene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	0.823	0.086	6.48	0.188	0.045
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.40	(mg/kg)	0.188	0.031	0.711	0.011	0.01
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.80	(mg/kg)	0.770	0.086	4.13	0.016	0.057
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.1	(mg/kg)	1.09	0.108	11.2	0.026	0.067
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.1	(mg/kg)	1.55	0.157	9.29	0.052	0.065
Benzo(ghi)perylene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	32,000(1)	1.7	(mg/kg)	1.04	0.124	8.03	0.051	0.059
Benzo(k)fluoranthene	9.0	78	1,700	-----	-----	-----	-----	-----	49	1.7	(mg/kg)	0.491	0.051	2.70	0.015	0.06
Chrysene	88.0	780	17,000	-----	-----	-----	-----	-----	160	2.7	(mg/kg)	1.08	0.121	4.95	0.016	0.058
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	0.244	0.028	1.83	0.014	0.018
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.10	(mg/kg)	1.15	0.139	3.18	0.017	0.063
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560	0.180	(mg/kg)	0.081	0.009	0.39	0.007	<0.005
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.60	(mg/kg)	0.828	0.098	5.95	0.043	0.057
Naphthalene	1,600	41,000	4,100	170	270	1.8	34.0	34.0	12.0	0.20	(mg/kg)	0.077	0.014	0.815	0.010	0.008
Phenanthrene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	220(1)	2.5	(mg/kg)	0.549	0.088	0.881	0.011	0.032
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.0	(mg/kg)	1.57	0.175	6.85	0.027	0.072

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 3-3
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR 0 TO 3 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil														
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to GW	*MSA Background* Metropolitan		B-827 B827 (2.0-3.0') 4/2/2008	B-829 B829 (2.0-3.0') 4/2/2008	B-833 B833 (2.0-3.0') 4/2/2008	B-501 B-501-2 7/13/2004	B-502 B-502-3 7/13/2004
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	(Class I)	Areas	UNITS	2.0-3.0'	2.0-3.0'	2.0-3.0'	1'-2'	2'-3'
Benzene	12	100	2,300	0.80	1.6	2.2	0.069	0.51	0.03	--	(mg/kg)	<0.0016	0.0533	0.017	0.0019	0.0034
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	<0.008	0.0013	<0.006	<0.0053	0.0021
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	<0.008	0.0028	0.0025	<0.0053	0.0055
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	<0.008	0.006	0.0021	<0.0053	0.0065
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570	0.130	(mg/kg)	<0.004	0.189	<0.402	<0.124	<0.290
Acenaphthylene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	0.010	0.318	4.15	0.078	0.034
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.40	(mg/kg)	0.009	0.331	1.59	0.041	<0.290
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.80	(mg/kg)	0.033	2.16	5.10	0.272	0.11
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.1	(mg/kg)	0.026	2.25	8.10	0.365	0.16
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.1	(mg/kg)	0.026	2.80	9.26	0.491	0.23
Benzo(ghi)perylene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	32,000(1)	1.7	(mg/kg)	0.016	1.29	7.21	0.210	0.12
Benzo(k)fluoranthene	9.0	78	1,700	-----	-----	-----	-----	-----	49	1.7	(mg/kg)	0.028	1.11	2.63	0.189	0.084
Chrysene	88.0	780	17,000	-----	-----	-----	-----	-----	160	2.7	(mg/kg)	0.034	2.12	6.02	0.323	0.12
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	0.007	0.422	1.39	0.061	<0.290
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.10	(mg/kg)	0.054	2.92	7.53	0.445	0.11
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560	0.180	(mg/kg)	<0.004	0.172	0.528	<0.124	<0.290
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.60	(mg/kg)	0.016	1.28	5.23	0.238	0.084
Naphthalene	1,600	41,000	4,100	170	270	1.8	34.0	34.0	12.0	0.20	(mg/kg)	<0.004	0.074	0.37	0.033	0.12
Phenanthrene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	220(1)	2.5	(mg/kg)	0.035	1.16	3.80	0.172	0.078
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.0	(mg/kg)	0.049	2.69	12.3	0.439	0.14

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 3-3
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR 0 TO 3 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil								Soil Component to GW (Class I)	*MSA Background* Metropolitan Areas	UNITS	B-503 B-503-3 7/13/2004 2'-3'	B-504 B-504-3 7/13/2004 2'-3'	B-505 B-505-3 7/14/2004 2'-3'	B-506 B-506-3 7/22/2004 2'-3'	B-507 B-507-1 7/21/2004 0-1'	B-508 B-508-3 7/19/2004 2'-3'
		Ingestion			*Inhalation*		*Indoor Inhalation*										
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial									
Benzene	12	100	2,300	0.80	1.6	2.2	0.069	0.51	0.03	--	(mg/kg)	13.9	0.0877	0.0477	3.82	0.005	0.0282
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	4.24	0.0321	0.149	1.39	0.0011	0.0018
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	6.28	0.0383	0.0313	3.32	0.0039	0.0071
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	9.92	0.0653	0.139	5.48	0.0032	0.0063
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570	0.130	(mg/kg)	<132.0	0.613	6.9	1.3	0.11	0.39
Acenaphthylene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	<132.0	0.152	70.0	18.3	1.05	5.39
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.40	(mg/kg)	51.0	0.458	15.0	4.54	0.512	1.7
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.80	(mg/kg)	69.0	0.251	44.9	17.6	0.951	5.92
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.1	(mg/kg)	67.0	0.193	137.0	49.10	1.97	23.0
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.1	(mg/kg)	76.0	0.21	123.0	55.5	1.73	18.6
Benzo(ghi)perylene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	32,000(1)	1.7	(mg/kg)	<132.0	0.064	38.4	17.1	0.651	7.35
Benzo(k)fluoranthene	9.0	78	1,700	-----	-----	-----	-----	-----	49	1.7	(mg/kg)	<132.0	0.086	33.0	16.50	0.528	4.47
Chrysene	88.0	780	17,000	-----	-----	-----	-----	-----	160	2.7	(mg/kg)	62.0	0.242	46.8	23.1	1.09	8.09
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	<132.0	0.025	13.0	5.15	0.17	1.8
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.10	(mg/kg)	120.0	0.678	37.2	18.0	1.49	8.15
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560	0.180	(mg/kg)	<132.0	0.428	9.9	2.80	0.25	0.75
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.60	(mg/kg)	<132.0	0.081	41.2	16.7	0.611	6.28
Naphthalene	1,600	41,000	4,100	170	270	1.8	34.0	34.0	12.0	0.20	(mg/kg)	71.0	6.79	21.0	11.40	0.599	1.2
Phenanthrene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	220(1)	2.5	(mg/kg)	130	1.14	18.0	10.2	1.76	2.9
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.0	(mg/kg)	110	0.524	96.2	30.2	2.33	16.3

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 3-3
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR 0 TO 3 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil											B-509	B-510	B-512	B-513	B-514	B-515
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to GW	*MSA Background* Metropolitan		B-509-3	B-510-2	B-512-3	B-513-2	B-514-3	B-515-2
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	(Class I)	Areas	UNITS	7/21/2004 2'-3'	7/12/2004 1'-2'	7/12/2004 2'-3'	7/12/2004 1'-2'	7/22/2004 2'-3'	7/16/2004 1'-2'
Benzene	12	100	2,300	0.80	1.6	2.2	0.069	0.51	0.03	--	(mg/kg)	0.0142	0.0312	0.0083	0.0076	0.0326	0.0043
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	0.004	0.0022	0.0013	<0.0054	0.0174	0.0213
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.0112	0.0076	0.0049	0.0032	0.0103	0.003
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	0.0112	0.0081	0.0038	0.0018	0.0254	0.0264
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570	0.130	(mg/kg)	<1.18	<6.89	0.33	0.052	<5.59	1.14
Acenaphthylene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	1.18	<6.89	1.23	0.10	2.6	1.93
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.40	(mg/kg)	0.33	<6.89	1.74	0.221	2.4	1.03
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.80	(mg/kg)	1.47	2.9	2.87	0.803	4.6	2.2
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.1	(mg/kg)	3.31	3.2	2.94	0.821	5.86	4.01
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.1	(mg/kg)	3.46	4.5	4.31	1.33	7.59	4.45
Benzo(ghi)perylene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	32,000(1)	1.7	(mg/kg)	1.65	<6.89	1.34	0.307	3.8	1.28
Benzo(k)fluoranthene	9.0	78	1,700	-----	-----	-----	-----	-----	49	1.7	(mg/kg)	1.0	<6.89	1.50	0.492	2.7	1.31
Chrysene	88.0	780	17,000	-----	-----	-----	-----	-----	160	2.7	(mg/kg)	2.02	3.6	3.23	0.934	4.9	2.75
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	0.41	<6.89	0.43	0.12	<5.59	0.35
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.10	(mg/kg)	2.03	3.7	7.83	1.70	6.3	3.29
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560	0.180	(mg/kg)	0.12	<6.89	1.07	0.051	1.9	0.717
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.60	(mg/kg)	1.40	<6.89	1.62	0.404	3.4	1.23
Naphthalene	1,600	41,000	4,100	170	270	1.8	34.0	34.0	12.0	0.20	(mg/kg)	0.29	<6.89	0.58	0.052	<5.59	1.82
Phenanthrene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	220(1)	2.5	(mg/kg)	0.82	2.0	5.99	0.837	6.52	3.32
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.0	(mg/kg)	3.12	5.8	6.02	1.34	8.53	5.74

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 3-3
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR 0 TO 3 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil								Soil Component to GW (Class I)	*MSA Background* Metropolitan Areas	UNITS	B-516 B-516-3 7/22/2004 2'-3'	B-550 B-550-3 7/20/2004 2'-3'	B-551 B-551-3 7/15/2004 2'-3'	B-553 B-553-3 7/14/2004 2'-3'	B-554 B-554-3 7/15/2004 2'-3'	B-556 B-556-3 7/20/2004 2'-3'
		Ingestion			*Inhalation*		*Indoor Inhalation*										
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial									
Benzene	12	100	2,300	0.80	1.6	2.2	0.069	0.51	0.03	--	(mg/kg)	0.0051	0.0058	0.972	0.195	0.180	0.0103
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	0.0054	0.0136	0.282	0.200	0.256	0.0115
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.0045	0.0038	0.244	0.370	0.211	0.0262
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	0.0065	0.0259	0.276	0.456	0.624	0.0416
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570	0.130	(mg/kg)	<18.10	<34.5	3.7	8.53	<9.02	1.4
Acenaphthylene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	40.1	<34.5	14.2	26.4	9.15	5.9
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.40	(mg/kg)	9.7	<34.5	20.2	8.45	<9.02	4.44
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.80	(mg/kg)	42.2	<34.5	51.70	10.30	<9.02	6.39
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.1	(mg/kg)	119.0	<34.5	67.50	54.90	8.5	17.7
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.1	(mg/kg)	130.0	<34.5	83.20	50.30	8.2	13.4
Benzo(ghi)perylene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	32,000(1)	1.7	(mg/kg)	50.40	<34.5	28.0	25.60	8.5	6.11
Benzo(k)fluoranthene	9.0	78	1,700	-----	-----	-----	-----	-----	49	1.7	(mg/kg)	36.40	<34.5	25.0	11.60	<9.02	3.67
Chrysene	88.0	780	17,000	-----	-----	-----	-----	-----	160	2.7	(mg/kg)	62.3	<34.5	51.2	18.20	4.3	7.88
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	14.0	<34.5	9.0	5.0	<9.02	1.5
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.10	(mg/kg)	27.2	19.0	93.0	17.40	4.6	9.16
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560	0.180	(mg/kg)	4.0	12.0	7.06	7.8	<9.02	3.91
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.60	(mg/kg)	46.9	<34.5	32.80	21.10	4.4	5.29
Naphthalene	1,600	41,000	4,100	170	270	1.8	34.0	34.0	12.0	0.20	(mg/kg)	10.0	<34.5	8.45	2.20	<9.02	5.27
Phenanthrene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	220(1)	2.5	(mg/kg)	8.7	14.0	46.8	9.37	3.3	9.93
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.0	(mg/kg)	66.70	21.0	76.4	26.8	8.5	18.30

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 3-3
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR 0 TO 3 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil																
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to GW	*MSA Background* Metropolitan		B-557 B-557-1 7/20/2004	CSS-3 12/18/1990	CSS-4 12/18/1990	CSS-5 12/19/1990	TP-503 TP-503-3 7/8/2004	TP-504 TP-504-3 7/8/2004
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	(Class I)	Areas	UNITS	0-1'	0-6"	0-6"	0-6"	3'	3'
Benzene	12	100	2,300	0.80	1.6	2.2	0.069	0.51	0.03	--	(mg/kg)	0.0053	<0.310	---	---	14.5	10.5
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	0.0021	<0.310	---	---	45.6	74.0
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.0036	<0.310	0.41	<0.310	1.43	3.87
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	0.0052	<0.310	0.66	<0.310	42.4	91.7
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570	0.130	(mg/kg)	0.17	<0.330	0.47	<0.005	150.0	15.0
Acenaphthylene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	0.876	1.9	3.3	<0.008	130.0	28.0
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.40	(mg/kg)	0.616	1.0	2.2	0.009	90.0	14.0
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.80	(mg/kg)	3.55	3.6	9.7	0.099	40.0	9.6
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.1	(mg/kg)	5.24	2.8	10.0	0.039	37.0	10.0
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.1	(mg/kg)	6.0	6.1	13.0	0.15	21.0	4.8
Benzo(ghi)perylene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	32,000(1)	1.7	(mg/kg)	2.66	3.2	9.9	0.1	11.0	2.8
Benzo(k)fluoranthene	9.0	78	1,700	-----	-----	-----	-----	-----	49	1.7	(mg/kg)	1.9	1.6	4.2	0.14	13.0	2.5
Chrysene	88.0	780	17,000	-----	-----	-----	-----	-----	160	2.7	(mg/kg)	3.82	3.2	8.1	0.16	48.0	11.0
Dibenzo(a,h)anthracene	0.09	0.8	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	0.72	0.53	2.6	0.017	8.5	2.1
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.10	(mg/kg)	6.31	3.3	9.9	0.24	220.0	50.0
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560	0.180	(mg/kg)	0.11	0.3	0.4	<0.0006	130.0	22.0
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.60	(mg/kg)	2.53	2.9	9.9	0.13	11.0	2.7
Naphthalene	1,600	41,000	4,100	170	270	1.8	34.0	34.0	12.0	0.20	(mg/kg)	0.982	0.33	0.47	<0.005	590.0	83.0
Phenanthrene	2,300(1)	61,000	61,000	-----	-----	-----	-----	-----	220(1)	2.5	(mg/kg)	2.83	2.2	3.7	0.083	340.0	72.0
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.0	(mg/kg)	6.02	5.3	15.0	0.25	120.0	32.0

Notes:

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