TABLE 3-8
TIER 1 COMPARISON VOC RESULTS FOR GREATER THAN 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remediation Objectives - Soil										B-501	B-505	B-506	B-507
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater		B-501-24	B-505-11	B-506-28	B-507-19
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	(Class I)	UNITS	7/13/2004 23'-24'	7/14/2004 10'-11'	7/22/2004 27'-28'	7/21/2004 18'-19'
1,1,1-Trichloroethane	---	---	---	1,200	1,200	1,200	560	560	2	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
1,1,2,2-Tetrachloroethane	2,300	61,000	61,000	1,000	1,000	1,000	---	---	2	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
1,1,2-Trichloroethane	310	8,200	8,200	1,800	1,800	1,800	900	900	0.02	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
1,1-Dichloroethane	7,800	200,000	200,000	1,300	1,700	130	110	670	23	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
1,1-Dichloroethylene	700	18,000	18,000	15,000	15,000	300	13	77	0.06	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
1,2-Dichloroethane	7	63	1,400	0.4	0.7	0.99	0.066	0.48	0.2	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
1,2-Dichloropropane	9	84	1,800	15	23	0.5	0.023	0.17	0.03	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
2-Hexanone	3100(1)	82000(1)	8200(1)	70(1)	110(1)	0.72(1)	---	---	1.3(1)	(mg/kg)	<0.0074	<2.11	<0.0092	<10.4
Acetone	7,800	200,000	200,000	100,000	100,000	10,000	100,000	100,000	16	(mg/kg)	0.0083	<2.11	0.0575	20
Bromodichloromethane	10	92	2,000	3,000	3,000	3,000	1,400	1,400	0.6	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
Bromoform	81	720	16,000	53	100	140	49	360	0.8	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
Carbon Disulfide	7,800	200,000	20,000	720	720	9	38	230	32	(mg/kg)	<0.0022	<0.633	<0.0009	<3.13
Carbon tetrachloride	5	44	410	0.3	0.64	0.9	0.021	0.15	0.07	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
Chlorobenzene	1,600	41,000	4,100	130	210	1.3	54.0	330.0	1	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
Chloroethane	31,000(1)	820,000(1)	82,000(1)	1500(1)	1,500(1)	94(1)	---	---	15(1)	(mg/kg)	<0.0015	<0.422	<0.0018	<2.09
Chloroform	100	940	2,000	0.3	0.54	0.76	0.028	0.2	0.6	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
cis-1,2-Dichloroethylene	780	20,000	20,000	1,200	1,200	1,200	700	700	0.4	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
cis-1,3-Dichloropropene	6.40	57	1,200	1.1	2.10	0.39	---	---	0.004	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
Dibromochloromethane	1,600	41,000	41,000	1,300	1,300	1,300	---	---	0.4	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
Ethene, 1,2-dichloro-, (E)-	1,600	41,000	41,000	3,100	3,100	3,100	---	---	0.7	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
Methyl bromide	110	2,900	1,000	10	15	3.9	0.71	4.3	0.2	(mg/kg)	<0.0015	<0.422	<0.0018	<2.09
Methyl chloride	310(1)	8,200(1)	820(1)	110(1)	170(1)	1.1(1)	---	---	0.14(1)	(mg/kg)	<0.0015	<0.422	<0.0018	<2.09
Methyl ethyl ketone	47,000	1,000,000	410,000	140,000	22,000	140	---	---	17	(mg/kg)	<0.0074	<2.11	<0.0092	<10.4
Methyl isobutyl ketone (MIBK)	---	---	---	3,100(1)	3,100(1)	340(1)	---	---	---	(mg/kg)	<0.0074	<2.11	<0.0092	<10.4
Methyl tert-butyl ether	780	20,000	140	8,800	8,800	140	2,900	6,300	0.32	(mg/kg)	<0.0004	<0.105	<0.0005	<0.522
Methylene chloride	85	760	12,000	13	24	34	1.4	10	0.02	(mg/kg)	<0.0007	<0.211	0.0016	1.3
Styrene	16,000	410,000	41,000	1,500	1,500	430	230	230	4	(mg/kg)	<0.0007	<0.211	<0.0009	938
Tetrachloroethylene	12	110	2,400	11	1,500	430	0.24	1.7	0.06	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
trans-1,3-Dichloropropene	6.40	57	1,200	1.1	2.1	0.39	0.061	0.45	0.004	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
Trichloroethylene	58	520	1,200	5	8.9	12	0.26	1.9	0.06	(mg/kg)	<0.0007	<0.211	<0.0009	<1.04
Vinyl chloride	0.3	7.9	170	0.03	1.1	1.1	0.011	0.15	0.01	(mg/kg)	<0.0004	<0.105	<0.0005	<0.522

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 3-8
TIER 1 COMPARISON VOC RESULTS FOR GREATER THAN 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remediation Objectives - Soil									B-513	B-515	B-553	B-556
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component	B-513-12	B-515-32	B-553-32	B-556-28
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	to Groundwater (Class I)	7/12/2004 11'-12'	7/16/2004 31'-32'	7/14/2004 31'-32'	7/20/2004 27'-28'
1,1,1-Trichloroethane	---	---	---	1,200	1,200	1,200	560	560	2	<0.0008	<0.0007	<0.0007	<0.0008
1,1,2,2-Tetrachloroethane	2,300	61,000	61,000	1,000	1,000	1,000	---	---	2	<0.0008	<0.0007	<0.0007	<0.0008
1,1,2-Trichloroethane	310	8,200	8,200	1,800	1,800	1,800	900	900	0.02	<0.0008	<0.0007	<0.0007	<0.0008
1,1-Dichloroethane	7,800	200,000	200,000	1,300	1,700	130	110	670	23	<0.0008	<0.0007	<0.0007	<0.0008
1,1-Dichloroethylene	700	18,000	18,000	15,000	15,000	300	13	77	0.06	<0.0008	<0.0007	<0.0007	<0.0008
1,2-Dichloroethane	7	63	1,400	0.4	0.7	0.99	0.066	0.48	0.2	<0.0008	<0.0007	<0.0007	<0.0008
1,2-Dichloropropane	9	84	1,800	15	23	0.5	0.023	0.17	0.03	<0.0008	<0.0007	<0.0007	<0.0008
2-Hexanone	3100(1)	82000(1)	8200(1)	70(1)	110(1)	0.72(1)	---	---	1.3(1)	<0.0081	<0.0072	<0.0073	<0.0078
Acetone	7,800	200,000	200,000	100,000	100,000	10,000	100,000	100,000	16	0.019	0.032	0.0371	0.031
Bromodichloromethane	10	92	2,000	3,000	3,000	3,000	1,400	1,400	0.6	<0.0008	<0.0007	<0.0007	<0.0008
Bromoform	81	720	16,000	53	100	140	49	360	0.8	<0.0008	<0.0007	<0.0007	<0.0008
Carbon Disulfide	7,800	200,000	20,000	720	720	9	38	230	32	<0.0024	<0.0022	<0.0022	<0.0023
Carbon tetrachloride	5	44	410	0.3	0.64	0.9	0.021	0.15	0.07	<0.0008	<0.0007	<0.0007	<0.0008
Chlorobenzene	1,600	41,000	4,100	130	210	1.3	54.0	330.0	1	<0.0008	<0.0007	<0.0007	<0.0008
Chloroethane	31,000(1)	820,000(1)	82,000(1)	1500(1)	1,500(1)	94(1)	---	---	15(1)	<0.0016	<0.0014	<0.0014	<0.0016
Chloroform	100	940	2,000	0.3	0.54	0.76	0.028	0.2	0.6	<0.0008	<0.0007	<0.0007	<0.0008
cis-1,2-Dichloroethylene	780	20,000	20,000	1,200	1,200	1,200	700	700	0.4	<0.0008	<0.0007	<0.0007	<0.0008
cis-1,3-Dichloropropene	6.40	57	1,200	1.1	2.10	0.39	---	---	0.004	<0.0008	<0.0007	<0.0007	<0.0008
Dibromochloromethane	1,600	41,000	41,000	1,300	1,300	1,300	---	---	0.4	<0.0008	<0.0007	<0.0007	<0.0008
Ethene, 1,2-dichloro-, (E)-	1,600	41,000	41,000	3,100	3,100	3,100	---	---	0.7	<0.0008	<0.0007	<0.0007	<0.0008
Methyl bromide	110	2,900	1,000	10	15	3.9	0.71	4.3	0.2	<0.0016	<0.0014	<0.0014	<0.0016
Methyl chloride	310(1)	8,200(1)	820(1)	110(1)	170(1)	1.1(1)	---	---	0.14(1)	<0.0016	<0.0014	<0.0014	<0.0016
Methyl ethyl ketone	47,000	1,000,000	410,000	140,000	22,000	140	---	---	17	<0.0081	<0.0072	<0.0073	<0.0078
Methyl isobutyl ketone (MIBK)	---	---	---	3,100(1)	3,100(1)	340(1)	---	---	---	<0.0081	<0.0072	<0.0073	<0.0078
Methyl tert-butyl ether	780	20,000	140	8,800	8,800	140	2,900	6,300	0.32	<0.0004	<0.0004	<0.0004	<0.0004
Methylene chloride	85	760	12,000	13	24	34	1.4	10	0.02	0.0001	<0.0007	0.0008	0.0011
Styrene	16,000	410,000	41,000	1,500	1,500	430	230	230	4	<0.0008	<0.0007	<0.0007	<0.0008
Tetrachloroethylene	12	110	2,400	11	1,500	430	0.24	1.7	0.06	<0.0008	<0.0007	<0.0007	<0.0008
trans-1,3-Dichloropropene	6.40	57	1,200	1.1	2.1	0.39	0.061	0.45	0.004	<0.0008	<0.0007	<0.0007	<0.0008
Trichloroethylene	58	520	1,200	5	8.9	12	0.26	1.9	0.06	<0.0008	<0.0007	<0.0007	<0.0008
Vinyl chloride	0.3	7.9	170	0.03	1.1	1.1	0.011	0.15	0.01	<0.0004	<0.0004	<0.0004	<0.0004

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 3-8
TIER 1 COMPARISON VOC RESULTS FOR GREATER THAN 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remediation Objectives - Soil									
		Ingestion			***Inhalation***		***Indoor Inhalation***		**Soil Component to Groundwater (Class I)**	**B-557 B-557-12 7/20/2004 11'-12'**
CONSTITUENT	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**		
1,1,1-Trichloroethane	---	---	---	1,200	1,200	1,200	560	560	2	<0.0018
1,1,2,2-Tetrachloroethane	2,300	61,000	61,000	1,000	1,000	1,000	---	---	2	<0.0018
1,1,2-Trichloroethane	310	8,200	8,200	1,800	1,800	1,800	900	900	0.02	<0.0018
1,1-Dichloroethane	7,800	200,000	200,000	1,300	1,700	130	110	670	23	<0.0018
1,1-Dichloroethylene	700	18,000	18,000	15,000	15,000	300	13	77	0.06	<0.0018
1,2-Dichloroethane	7	63	1,400	0.4	0.7	0.99	0.066	0.48	0.2	<0.0018
1,2-Dichloropropane	9	84	1,800	15	23	0.5	0.023	0.17	0.03	<0.0018
2-Hexanone	3100(1)	82000(1)	8200(1)	70(1)	110(1)	0.72(1)	---	---	1.3(1)	<0.018
Acetone	7,800	200,000	200,000	100,000	100,000	10,000	100,000	100,000	16	0.067
Bromodichloromethane	10	92	2,000	3,000	3,000	3,000	1,400	1,400	0.6	<0.0018
Bromoform	81	720	16,000	53	100	140	49	360	0.8	<0.0018
Carbon Disulfide	7,800	200,000	20,000	720	720	9	38	230	32	<0.0054
Carbon tetrachloride	5	44	410	0.3	0.64	0.9	0.021	0.15	0.07	<0.0018
Chlorobenzene	1,600	41,000	4,100	130	210	1.3	54.0	330.0	1	<0.0018
Chloroethane	31,000(1)	820,000(1)	82,000(1)	1500(1)	1,500(1)	94(1)	---	---	15(1)	<0.0036
Chloroform	100	940	2,000	0.3	0.54	0.76	0.028	0.2	0.6	<0.0018
cis-1,2-Dichloroethylene	780	20,000	20,000	1,200	1,200	1,200	700	700	0.4	<0.0018
cis-1,3-Dichloropropene	6.40	57	1,200	1.1	2.10	0.39	---	---	0.004	<0.0018
Dibromochloromethane	1,600	41,000	41,000	1,300	1,300	1,300	---	---	0.4	<0.0018
Ethene, 1,2-dichloro-, (E)-	1,600	41,000	41,000	3,100	3,100	3,100	---	---	0.7	<0.0018
Methyl bromide	110	2,900	1,000	10	15	3.9	0.71	4.3	0.2	<0.0036
Methyl chloride	310(1)	8,200(1)	820(1)	110(1)	170(1)	1.1(1)	---	---	0.14(1)	<0.0036
Methyl ethyl ketone	47,000	1,000,000	410,000	140,000	22,000	140	---	---	17	<0.018
Methyl isobutyl ketone (MIBK)	---	---	---	3,100(1)	3,100(1)	340(1)	---	---	---	<0.018
Methyl tert-butyl ether	780	20,000	140	8,800	8,800	140	2,900	6,300	0.32	<0.0009
Methylene chloride	85	760	12,000	13	24	34	1.4	10	0.02	<0.0018
Styrene	16,000	410,000	41,000	1,500	1,500	430	230	230	4	<0.0018
Tetrachloroethylene	12	110	2,400	11	1,500	430	0.24	1.7	0.06	<0.0018
trans-1,3-Dichloropropene	6.40	57	1,200	1.1	2.1	0.39	0.061	0.45	0.004	<0.0018
Trichloroethylene	58	520	1,200	5	8.9	12	0.26	1.9	0.06	<0.0018
Vinyl chloride	0.3	7.9	170	0.03	1.1	1.1	0.011	0.15	0.01	<0.0009

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