

**TABLE 2-9
GROUNDWATER BTEX AND PAH RESULTS
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP**

CONSTITUENT	Groundwater ROs (Class I)	UNITS	UMW-107	UMW-107	UMW-107	UMW-107	UMW-107	UMW-107	UMW-108	UMW-108B	UMW-108	UMW-108	UMW-109	UMW-110	UMW-111	UMW-111	UMW-111
			3/30/2006	6/22/2006	9/19/2006	12/13/2006	6/14/2007	9/21/2007	7/26/2004	7/26/2004	6/14/2007	9/21/2007	7/26/2004	7/26/2004	7/26/2004	6/14/2007	9/21/2007
Benzene	5	(ug/L)	231	289	1280	812	798	1020	<2.0	<2.0	<2.0	<2.0	<2.0	15.6	<2.0	<2.0	<2.0
Ethylbenzene	700	(ug/L)	18.6	18.2	69.1	44.1	32.0	55.7	<5.0	<5.0	<5.0	<5.0	<5.0	67.5	<5.0	<5.0	<5.0
Toluene	1,000	(ug/L)	<5.0	2.4	11.0	7.1	<50	<50	<5.0	<5.0	<5.0	<5.0	<5.0	2.3	<5.0	<5.0	<5.0
Xylene (total)	10,000	(ug/L)	28.6	30.7	81.2	55.2	43.0	71.5	<5.0	<5.0	<5.0	<5.0	<5.0	37.3	<5.0	<5.0	<5.0
Acenaphthene	420	(ug/L)	<3.00	<3.00	<3.00	<0.10	<1.0	<5.0	<3.00	<3.00	---	---	<3.00	87.6	<3.00	---	---
Acenaphthylene	210	(ug/L)	<1.50	<1.50	5.38	0.2	<1.0	0.19	<1.50	<1.50	---	---	<1.50	92.6	<1.50	---	---
Anthracene	2100	(ug/L)	<0.30	<0.30	<0.30	0.14	<1.0	0.13	<0.30	<0.30	---	---	<0.30	15.1	<0.30	---	---
Benzo(a)anthracene	0.13	(ug/L)	<0.09	<0.09	<0.09	<0.10	<0.10	<0.13	<0.09	0.19	---	---	<0.09	0.33	<0.09	---	---
Benzo(a)pyrene	0.20	(ug/L)	<0.12	<0.12	<0.12	<0.10	<0.10	<0.20	<0.12	0.29	---	---	<0.12	<0.12	<0.12	---	---
Benzo(b)fluoranthene	0.18	(ug/L)	<0.15	<0.15	<0.15	<0.10	<0.10	<0.18	<0.15	<0.15	---	---	<0.15	<0.15	<0.15	---	---
Benzo(ghi)perylene	----	(ug/L)	<0.30	<0.30	<0.30	<0.10	1.1	<0.50	<0.30	<0.30	---	---	<0.30	<0.30	<0.30	---	---
Benzo(k)fluoranthene	0.17	(ug/L)	<0.15	<0.15	<0.15	<0.10	<1.0	<0.17	<0.15	<0.15	---	---	<0.15	<0.15	<0.15	---	---
Chrysene	1.5	(ug/L)	<0.45	<0.45	<0.45	<0.10	<1.0	<0.15	<0.45	<0.45	---	---	<0.45	<0.45	<0.45	---	---
Dibenzo(a,h)anthracene	0.30	(ug/L)	<0.18	<0.18	<0.18	<0.10	<1.0	<0.30	<0.18	<0.18	---	---	<0.18	<0.18	<0.18	---	---
Fluoranthene	280	(ug/L)	<0.90	<0.90	<0.90	<0.10	<1.0	<2.0	<0.90	<0.90	---	---	<0.90	12.1	<0.90	---	---
Fluorene	280	(ug/L)	<0.30	<0.30	<0.30	<0.10	<1.0	<1.0	<0.30	<0.30	---	---	<0.30	7.66	<0.30	---	---
Indeno(1,2,3-cd)pyrene	0.43	(ug/L)	<0.30	<0.30	<0.30	<0.10	<1.0	<0.43	<0.30	<0.30	---	---	<0.30	<0.30	<0.30	---	---
Naphthalene	140	(ug/L)	57.8	----	180	47.7	170	194	<3.00	<3.00	---	---	<3.00	24.6	<3.00	---	---
Phenanthrene	210	(ug/L)	<0.60	<0.60	<0.60	<0.10	<1.0	<0.10	<0.60	<0.60	---	---	<0.60	26.7	<0.60	---	---
Pyrene	210	(ug/L)	<0.30	<0.30	<0.30	<0.10	<1.0	<2.0	<0.30	<0.30	---	---	<0.30	5.25	<0.30	---	---

Notes:
 ug/l - micrograms per liter
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 Exceeds the Class 1
 Groundwater Standard

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GROUNDWATER BTEX AND PAH RESULTS
CHAMPAIGN MGP SITE
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AMERENIP**

CONSTITUENT	Groundwater ROs (Class I)	UNITS	UMW-112	UMW-112	UMW-112	UMW-113	UMW-114	UMW-114	UMW-114	UMW-114	UMW-114	UMW-114	UMW-114	UMW-114	UMW-114	UMW-114	UMW-114	UMW-114
			7/26/2004	6/14/2007	9/21/2007	7/26/2004	3/2/2004	5/25/2004	7/26/2004	12/7/2004	3/15/2005	3/15/2005	6/9/2005	9/27/2005	12/27/2005	3/30/2006	6/22/2006	9/19/2006
Benzene	5	(ug/L)	<2.0	<2.0	<2.0	5.7	754	760	628	796	736	726	867	1130	939	875	936	938
Ethylbenzene	700	(ug/L)	<5.0	<5.0	<5.0	1.0	1040	1230	868	1130	1250	1240	1260	1370	1150	1220	1140	1220
Toluene	1,000	(ug/L)	<5.0	<5.0	<5.0	<5.0	<250	153	120	164	164	163	152	190	133	123	131	150
Xylene (total)	10,000	(ug/L)	<5.0	<5.0	<5.0	4.8	481	861	425	848	899	920	932	1010	891	958	1020	924
Acenaphthene	420	(ug/L)	<3.00	---	---	33.9	260	167	214	43.6	115	101	222	208	236	99.1	159	111
Acenaphthylene	210	(ug/L)	<1.50	---	---	70.7	840	737	552	432	<1.50	<1.50	<7.5	<1.50	<150	<1.50	868	<15.0
Anthracene	2100	(ug/L)	<0.30	---	---	<0.30	<50.6	<5.0	1.04	0.62	<0.30	<0.30	<0.30	0.82	<0.30	<0.30	1.8	<0.30
Benzo(a)anthracene	0.13	(ug/L)	<0.09	---	---	<0.09	0.77	0.33	<0.09	0.17	<0.09	0.2	<0.09	<0.09	1.11	0.41	0.91	0.2
Benzo(a)pyrene	0.20	(ug/L)	<0.12	---	---	<0.12	0.68	0.34	<0.12	<0.12	<0.12	0.14	<0.12	<0.12	1.07	0.27	0.97	<0.12
Benzo(b)fluoranthene	0.18	(ug/L)	<0.15	---	---	<0.15	<0.18	0.17	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.49	<0.15	0.3	<0.15
Benzo(ghi)perylene	---	(ug/L)	<0.30	---	---	<0.30	<0.51	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.44	<0.30	0.68	<0.30
Benzo(k)fluoranthene	0.17	(ug/L)	<0.15	---	---	<0.15	<0.17	<0.17	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Chrysene	1.5	(ug/L)	<0.45	---	---	<0.45	<0.81	<0.80	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	1.22	<0.45	0.93	<0.45
Dibenzo(a,h)anthracene	0.30	(ug/L)	<0.18	---	---	<0.18	<0.30	<0.30	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Fluoranthene	280	(ug/L)	<0.90	---	---	<0.90	<20.2	<2.0	0.99	1.22	<0.90	0.94	1.07	1.09	4.66	1.81	3.38	<0.90
Fluorene	280	(ug/L)	<0.30	---	---	2.36	43.1	41.5	20.6	29.9	62.8	48.4	64.1	44.4	68.6	49.4	42.8	<0.30
Indeno(1,2,3-cd)pyrene	0.43	(ug/L)	<0.30	---	---	<0.30	<0.40	<0.40	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.31	<0.30	0.3	<0.30
Naphthalene	140	(ug/L)	<3.00	---	---	580	4480	3660	3650	3510	5580	4550	5120	11500	5980	6000	-----	7880
Phenanthrene	210	(ug/L)	<0.60	---	---	5990	<50.6	8.98	7.48	9.68	11.6	11	10.2	9.87	12.8	11.3	14	11.1
Pyrene	210	(ug/L)	<0.30	---	---	6020	<20.2	<2.0	0.64	0.69	0.4	0.66	0.65	0.4	2.29	1.36	2.74	0.55

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CONSTITUENT	Groundwater ROs (Class I)	UNITS	UMW-114	UMW-114B	UMW-114	UMW-114	UMW-115	UMW-115	UMW-115	UMW-116	UMW-116	UMW-116	UMW-116
			12/13/2006	12/13/2006	6/14/2007	9/21/2007	7/26/2004	6/14/2007	9/21/2007	7/26/2004	6/14/2007	6/14/2007	9/21/2007
Benzene	5	(ug/L)	1080	1130	1150	1120	12.9	9	12.3	<2.0	<2.0	<2.0	<2.0
Ethylbenzene	700	(ug/L)	1110	1170	1160	1060	1.2	<5.0	1.8	<5.0	<5.0	<5.0	<5.0
Toluene	1,000	(ug/L)	170	150	170	130	<5.0	<5.0	1.2	<5.0	<5.0	<5.0	<5.0
Xylene (total)	10,000	(ug/L)	1020	984	963	861	<5.0	<5.0	1.3	<5.0	<5.0	<5.0	<5.0
Acenaphthene	420	(ug/L)	122	140	85.9	86	13.5	----	----	<3.00	----	----	----
Acenaphthylene	210	(ug/L)	20.9	22	21.3	19.7	26.4	----	----	<1.50	----	----	----
Anthracene	2100	(ug/L)	1.4	1.17	1.6	1.3	<0.30	----	----	<0.30	----	----	----
Benzo(a)anthracene	0.13	(ug/L)	0.23	0.16	<0.50	0.25	<0.09	----	----	<0.09	----	----	----
Benzo(a)pyrene	0.20	(ug/L)	0.11	<0.10	<0.50	0.13	<0.12	----	----	<0.12	----	----	----
Benzo(b)fluoranthene	0.18	(ug/L)	<0.10	<0.10	<0.50	<0.18	<0.15	----	----	<0.15	----	----	----
Benzo(ghi)perylene	----	(ug/L)	<0.10	<0.10	<0.50	<0.50	<0.30	----	----	<0.30	----	----	----
Benzo(k)fluoranthene	0.17	(ug/L)	<0.10	<0.10	<0.50	<0.17	<0.15	----	----	<0.15	----	----	----
Chrysene	1.5	(ug/L)	0.12	<0.10	<0.50	0.17	<0.45	----	----	<0.45	----	----	----
Dibenzo(a,h)anthracene	0.30	(ug/L)	<0.140	<0.10	<0.50	<0.30	<0.18	----	----	<0.18	----	----	----
Fluoranthene	280	(ug/L)	0.76	0.56	0.7	0.85	<0.90	----	----	<0.90	----	----	----
Fluorene	280	(ug/L)	15.6	17.4	18.1	17.8	8.46	----	----	<0.30	----	----	----
Indeno(1,2,3-cd)pyrene	0.43	(ug/L)	<0.10	<0.10	<0.50	<0.43	<0.30	----	----	<0.30	----	----	----
Naphthalene	140	(ug/L)	5260	5980	6440	5560	<3.00	----	----	<3.00	----	----	----
Phenanthrene	210	(ug/L)	5.51	5.84	6	6.18	<0.60	----	----	<0.60	----	----	----
Pyrene	210	(ug/L)	1.03	0.83	0.95	1.4	<0.30	----	----	<0.30	----	----	----

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