350320089502901 Local number SH:UR-22

Mississippi embayment aquifer system
Memphis Sand

Shelby County, TN

LOCATION.--Lat 35°03'20.03", long 89°50'29.2" referenced to North American Datum of 1983, Shelby County, TN, Hydrologic Unit 08010211.

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	Depth of well, feet below LSD (72008)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Noncarb hard-ness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)
Apr													
12...	1545	97.7	.9	769	3.3	36	5.2	125	20.2	38	5	9.09	3.61

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium frac-tion of cations percent (00932)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicar-bonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)
Apr													
12...	.61	.7	35	9.38	33	40	.04	4.83	E.07	21.9	9.49	86	.12

350320089502901 Local number SH:UR-22—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 3 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Alum-inum, water, fltrd, ug/L (01106)	Anti-mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll-ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)
Apr													
12...	90	<.04	1.68	<.008	E.005	.4	<1.6	<.20	E.06	14	<.06	E5	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 4 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Chrom-ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan-ese, water, fltrd, ug/L (01056)	Molyb-denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen-ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront-ium, water, fltrd, ug/L (01080)	Vanad-ium, water, fltrd, ug/L (01085)
Apr													
12...	1.3	.069	E.3	E3	<.08	E.5	.7	<.4	1.49	1.1	<.2	30.3	E.06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 5 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Zinc, water, fltrd, ug/L (01090)	1-Naph-thol, water, fltrd 0.7u GF ug/L (49295)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D, water, fltrd, ug/L (39732)	2,4-DB, water, fltrd 0.7u GF ug/L (38746)	2,6-Di-ethyl-aniline water, fltrd 0.7u GF ug/L (82660)	2Chloro -2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl -6-methyl-aniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	3,4-Di-chloro-aniline water, fltrd, ug/L (61625)	3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308)
Apr													
12...	.6	<.09	<.016	.09	<.02	<.006	<.006	E.052	.25	<.010	E.010	<.004	<.008

350320089502901 Local number SH:UR-22—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 6 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	4-Chloro-2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Aci-fluor-fen, water, fltrd 0.7u GF ug/L (49315)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Bendio-carb, water, fltrd, ug/L (50299)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)
Apr 12...	<.005	<.006	<.028	<.005	<.02	<.022	<.04	.168	<.04	<.050	<.02	<.010	<.022

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 7 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Bensul-furon-methyl, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd 0.7u GF ug/L (38711)	Broma-cil, water, fltrd, ug/L (04029)	Brom-oxynil, water, fltrd 0.7u GF ug/L (49311)	Caf-feine, water, fltrd, ug/L (50305)	Car-baryl, water, fltrd 0.7u GF ug/L (49310)	Carbo-furan, water, fltrd 0.7u GF ug/L (49309)	Chlor-amben methyl ester, water, fltrd, ug/L (61188)	Chlori-muron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-tri-azine, wat flt ug/L (04039)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)
Apr 12...	<.02	<.01	<.02	<.03	E.006	<.02	<.016	<.02	<.032	E.03	<.06	<.005	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 8 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Clopyr-alid, water, fltrd 0.7u GF ug/L (49305)	Cyclo-ate, water, fltrd, ug/L (04031)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyper-methrin water, fltrd, ug/L (61586)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water, fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	Dicamba water, fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Dicro-tophos, water, fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)
Apr 12...	<.02	<.01	<.053	<.046	<.03	<.003	<.012	<.005	<.04	<.03	<.08	<.009	<.006

350320089502901 Local number SH:UR-22—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 9 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)
Apr 12...	<.04	<.01	E.01	<.02	<.016	<.053	<.04	<.03	M	<.029	<.013	<.024	<.016

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 10 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water, fltrd 0.7u GF ug/L (38811)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Imazaquin, water, fltrd, ug/L (50356)	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid water, fltrd, ug/L (61695)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Linuron water, fltrd 0.7u GF ug/L (38478)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)
Apr 12...	<.04	<.02	<.005	<.026	M	<.04	<.020	<.026	<.011	<.01	<.039	<.027	<.03

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 11 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	MCPB, water, fltrd 0.7u GF ug/L (38487)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)	Methomyl, water, fltrd 0.7u GF ug/L (49296)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Metsulfuron, water, fltrd, ug/L (61697)	Myclobutanil water, fltrd, ug/L (61599)	N-(4-Chlorophenyl)-N'-methylurea, ug/L (61692)	Neburon water, fltrd 0.7u GF ug/L (49294)
Apr 12...	<.01	<.007	<.009	<.010	<.020	<.02	<.015	.018	<.028	<.07	<.033	<.04	<.01

350320089502901 Local number SH:UR-22—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 12 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water, fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)
Apr													
12...	<.04	<.02	<.01	<.03	<.022	<.03	<.055	<.05	<.008	<.03	.02	<.006	<.004

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 13 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Propham water, fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)	Tebuthiuron water, fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd, ug/L (04032)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
Apr													
12...	<.030	<.01	<.008	<.02	.496	<.091	<.02	<.050	<.04	<.02	<.01	<.03	<.009

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 14 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water, unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water, unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water, unfltrd ug/L (77168)	1,2,3,4-Tetramethylbenzene water, unfltrd ug/L (49999)	1,2,3,5-Tetramethylbenzene water, unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water, unfltrd ug/L (77613)	1,2,3-Trichloropropane water, unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water, unfltrd ug/L (77221)
Apr													
12...	<.03	<.03	<.08	<.04	<.04	<.04	<.02	<.03	<.1	<.2	<.2	<.18	<.1

350320089502901 Local number SH:UR-22—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 15 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	1,2,4-Tri-chloro-benzene water, unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water, unfltrd ug/L (77222)	Dibromo chloro-propane water, unfltrd ug/L (82625)	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water, unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water, unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water, unfltrd ug/L (77226)	1,3-Di-chloro-benzene water, unfltrd ug/L (34566)	1,3-Di-chloro-propane water, unfltrd ug/L (77173)	1,4-Di-chloro-benzene water, unfltrd ug/L (34571)	2,2-Di-chloro-propane water, unfltrd ug/L (77170)	2-Chloro-toluene water, unfltrd ug/L (77275)
Apr													
12...	<.1	<.06	<.5	<.04	<.05	<.1	<.03	<.04	<.03	<.1	<.03	<.05	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 16 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	2-Ethyl-toluene water, unfltrd ug/L (77220)	3-Chloro-propene water, unfltrd ug/L (78109)	4-Chloro-toluene water, unfltrd ug/L (77277)	4-Iso-propyl-toluene water, unfltrd ug/L (77356)	Acetone water, unfltrd ug/L (81552)	Acrylo-nitrile water, unfltrd ug/L (34215)	Benzene water, unfltrd ug/L (34030)	Bromo-benzene water, unfltrd ug/L (81555)	Bromo-chloro-methane water, unfltrd ug/L (77297)	Bromo-di-chloro-methane water, unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water, unfltrd ug/L (34413)	Carbon di-sulfide water, unfltrd ug/L (77041)
Apr													
12...	<.06	<.50	<.05	<.08	<6	<.8	<.02	<.03	<.12	<.03	<.1	<.3	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 17 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Chloro-benzene water, unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water, unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water, unfltrd ug/L (34704)	Di-bromo-chloro-methane water, unfltrd ug/L (32105)	Di-bromo-methane water, unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water, unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)
Apr													
12...	<.03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<2.0

350320089502901 Local number SH:UR-22—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 18 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Ethyl-benzene water, unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water, unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water, unfltrd ug/L (77223)	Methyl acrylo-nitrile water, unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)
Apr													
12...	<.03	<.1	<.1	<.50	<.4	<.04	<.4	<1.0	<.2	<.04	<.06	<.5	<.4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 19 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	n-Butyl benzene water, unfltrd ug/L (77342)	n-propyl-benzene water, unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water, unfltrd ug/L (77350)	Styrene water, unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water, unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water, unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water, unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)
Apr													
12...	<.1	<.04	<.04	<.06	<.04	<.03	<.1	<.08	E.09	<.06	<1	<.02	<.03

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 20 of 20
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	trans-1,3-Di-chloro-propene water, unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water, unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water, unfltrd ug/L (34488)	Tri-chloro-methane water, unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Di-chlor-vos, water, fltrd, ug/L (38775)
Apr								
12...	<.09	<.7	<.10	<.04	<.08	E.02	<.1	<.01