



Water-Data Report 2012

322134092070601 Local number Ou-5821Z

Mississippi embayment aquifer system
Sparta Aquifer

Ouachita Parish, LA

LOCATION.--Lat 32°21'34", long 92°07'06" referenced to North American Datum of 1983, in sec.24, T.16 N., R.3 E., Ouachita Parish, LA, Hydrologic Unit 08050001.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 340 ft. Upper casing diameter 5 in; top of first opening 320 ft, bottom of last opening 340 ft.

DATUM.--Land-surface datum is 74 ft above North American Vertical Datum of 1988.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; col/100 mL, colonies per 100 milliliters; mg/L, milligrams per liter; per mil, parts per thousand; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, μS/cm at 25°C (00095)	Temperature, water, °C (00010)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)
05-22-2012	1300	0.2	8.5	1,180	22.3	673	3.40	1.03	1.68	257

Date	Sample start time	ANC, water, unfiltered, inflection-point, incremental titration method, field, mg/L as CaCO ₃ (00419)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as CaCO ₃ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Bromide, water, filtered, mg/L (71870)	Carbon dioxide, water, unfiltered, mg/L (00405)	Carbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)
05-22-2012	1300	306	306	351	1.09	1.7	10.5	195	0.48

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Date	Sample start time	Hydroxide, water, unfiltered, inflection-point titration method (incremental titration method), field, milligrams per liter (71832)	Silica, water, filtered, mg/L as SiO ₂ (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as NH ₄ (71846)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrate, water, filtered, mg/L as N (00618)	Nitrite, water, filtered, mg/L (71856)	Nitrite, water, filtered, mg/L as N (00613)
05-22-2012	1300	< .1	10.5	0.18	1.00	0.779	0.040	0.040	< .003	< .001

Date	Sample start time	Organic nitrogen, water, filtered, mg/L (00607)	Orthophosphate, water, filtered, mg/L (00660)	Orthophosphate, water, filtered, mg/L as P (00671)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)	Escherichia coli, MI MF method, water, col/100 mL (90901)	Total coliform, MI MF method, water, col/100 mL (90900)	Aluminum, water, filtered, μg/L (01106)	Barium, water, filtered, μg/L (01005)
05-22-2012	1300	0.06	1.53	0.499	0.87	< 1	< 1	4.5	67.2

Date	Sample start time	Beryllium, water, filtered, μg/L (01010)	Cadmium, water, filtered, μg/L (01025)	Chromium, water, filtered, μg/L (01030)	Cobalt, water, filtered, μg/L (01035)	Copper, water, filtered, μg/L (01040)	Iron, water, filtered, μg/L (01046)	Lead, water, filtered, μg/L (01049)	Lithium, water, filtered, μg/L (01130)	Manganese, water, filtered, μg/L (01056)
05-22-2012	1300	0.019	< .016	< .07	0.061	< .80	10.7	0.262	8.00	1.49

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Date	Sample start time	Molybdenum, water, filtered, µg/L (01060)	Nickel, water, filtered, µg/L (01065)	Silver, water, filtered, µg/L (01075)	Strontium, water, filtered, µg/L (01080)	Thallium, water, filtered, µg/L (01057)	Vanadium, water, filtered, µg/L (01085)	Zinc, water, filtered, µg/L (01090)	Antimony, water, filtered, µg/L (01095)	Arsenic, water, filtered, µg/L (01000)
05-22-2012	1300	0.293	< .09	< .005	260	< .010	0.39	7.4	0.040	0.04

Date	Sample start time	Boron, water, filtered, µg/L (01020)	Selenium, water, filtered, µg/L (01145)	1,2,3-Trichloropropane, water, unfiltered, recoverable, µg/L (77443)	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, µg/L (82625)	1,2-Dibromoethane, water, unfiltered, recoverable, µg/L (77651)	1,2-Dichloroethane, water, unfiltered, recoverable, µg/L (32103)	1,2-Dichloropropane, water, unfiltered, recoverable, µg/L (34541)	1,3-Dichloropropane, water, unfiltered, recoverable, µg/L (77173)	1,4-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34571)
05-22-2012	1300	628	0.05	< .120	< .400	< .028	< .08	< .0260	< .06	0.015

Date	Sample start time	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49295)	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, µg/L (61618)	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, µg/L (04040)	2-Ethyl-6-methylaniline, water, filtered, recoverable, µg/L (61620)	3,4-Dichloroaniline, water, filtered, recoverable, µg/L (61625)	3,5-Dichloroaniline, water, filtered, recoverable, µg/L (61627)	3-Chloropropene, water, unfiltered, recoverable, µg/L (78109)	4-Chloro-2-methylphenol, water, filtered, recoverable, µg/L (61633)
05-22-2012	1300	< .0360	< .0060	< .010	< .006	< .010	< .0060	< .006	< .08	< .0080

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Date	Sample start time	Aceto-chlor, water, filtered, recoverable, µg/L (49260)	Acrylo-nitrile, water, unfiltered, recoverable, µg/L (34215)	Alachlor, water, filtered, recoverable, µg/L (46342)	alpha-Endo-sulfan, water, filtered, recoverable, µg/L (34362)	Atrazine, water, filtered, recoverable, µg/L (39632)	Azinphos-methyl oxygen analog, water, filtered, recoverable, µg/L (61635)	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)	Bromo-methane, water, unfiltered, recoverable, µg/L (34413)
05-22-2012	1300	< .010	< .48	< .008	< .006	< .008	< .042	< .120	< .014	< .2

Date	Sample start time	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)	Carbofuran, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82674)	Carbon disulfide, water, unfiltered, recoverable, µg/L (77041)	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636)	Chlorpyrifos, water, filtered, recoverable, µg/L (38933)	cis-1,3-Di-chloro-propene, water, unfiltered, recoverable, µg/L (34704)	cis-Permeth-rin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)	cis-Propicon-azole, water, filtered, recoverable, µg/L (79846)
05-22-2012	1300	< .060	< .060	E .4	< .08	< .0036	< .10	< .010	< .008

Date	Sample start time	Cyanazine, water, filtered, recoverable, µg/L (04041)	Cyfluthrin, water, filtered, recoverable, µg/L (61585)	Cyper-methrin, water, filtered, recoverable, µg/L (61586)	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682)	Desulfinyl-fipronil amide, water, filtered, recoverable, µg/L (62169)	Desulfinyl-fipronil, water, filtered, recoverable, µg/L (62170)	Diazinon, water, filtered, recoverable, µg/L (39572)	Dichlor-vos, water, filtered, recoverable, µg/L (38775)	Dicroto-phos, water, filtered, recoverable, µg/L (38454)
05-22-2012	1300	< .022	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04	< .08

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Date	Sample start time	Dieldrin, water, filtered, recoverable, μg/L (39381)	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82662)	Disulfoton sulfone, water, filtered, recoverable, μg/L (61640)	Disulfoton, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82677)	Endosulfan sulfate, water, filtered, recoverable, μg/L (61590)	EPTC, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82668)	Ethion monoxon, water, filtered, recoverable, μg/L (61644)	Ethion, water, filtered, recoverable, μg/L (82346)	Ethoprop, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82672)
05-22-2012	1300	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010	< .016

Date	Sample start time	Fenamiphos sulfone, water, filtered, recoverable, μg/L (61645)	Fenamiphos sulfoxide, water, filtered, recoverable, μg/L (61646)	Fenamiphos, water, filtered, recoverable, μg/L (61591)	Fipronil sulfide, water, filtered, recoverable, μg/L (62167)	Fipronil sulfone, water, filtered, recoverable, μg/L (62168)	Fipronil, water, filtered, recoverable, μg/L (62166)	Fonofos, water, filtered, recoverable, μg/L (04095)	Hexazinone, water, filtered, recoverable, μg/L (04025)	Iodomethane, water, unfiltered, recoverable, μg/L (77424)
05-22-2012	1300	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	< .012	< .26

Date	Sample start time	Iprodione, water, filtered, recoverable, μg/L (61593)	Isofenphos, water, filtered, recoverable, μg/L (61594)	lambda-Cyhalothrin, water, filtered, recoverable, μg/L (61595)	Malaoxon, water, filtered, recoverable, μg/L (61652)	Malathion, water, filtered, recoverable, μg/L (39532)	Metalaxyl, water, filtered, recoverable, μg/L (61596)	Methidathion, water, filtered, recoverable, μg/L (61598)	Methyl paraoxon, water, filtered, recoverable, μg/L (61664)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82667)
05-22-2012	1300	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008

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Date	Sample start time	Metolachlor, water, filtered, recoverable, µg/L (39415)	Metribuzin, water, filtered, recoverable, µg/L (82630)	Molinate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82671)	Myclobutanil, water, filtered, recoverable, µg/L (61599)	Oxyfluorfen, water, filtered, recoverable, µg/L (61600)	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82683)	Phorate oxygen analog, water, filtered, recoverable, µg/L (61666)	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82664)	Phosmet oxygen analog, water, filtered, recoverable, µg/L (61668)
05-22-2012	1300	< .020	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511

Date	Sample start time	Phosmet, water, filtered, recoverable, µg/L (61601)	Prometon, water, filtered, recoverable, µg/L (04037)	Prometryn, water, filtered, recoverable, µg/L (04036)	Propanil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82679)	Propargite, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82685)	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82676)	Simazine, water, filtered, recoverable, µg/L (04035)	Tebu-thiuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82670)	Tefluthrin, water, filtered, recoverable, µg/L (61606)
05-22-2012	1300	< .080	< .012	< .010	< .010	< .020	< .0036	< .006	< .028	< .014

Date	Sample start time	Terbufos oxygen analog sulfone, water, filtered, recoverable, µg/L (61674)	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82675)	Terbutylazine, water, filtered, recoverable, µg/L (04022)	Thiobencarb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82681)	trans-1,3-Dichloropropene, water, unfiltered, recoverable, µg/L (34699)	trans-Propiconazole, water, filtered, recoverable, µg/L (79847)	Tribuphos, water, filtered, recoverable, µg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82661)	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, µg/L (77562)
05-22-2012	1300	< .045	< .018	< .008	< .016	< .14	< .018	< .018	< .018	< .040

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Date	Sample start time	1,1,1-Trichloroethane, water, unfiltered, recoverable, μg/L (34506)	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, μg/L (34516)	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, μg/L (77652)	1,1,2-Trichloroethane, water, unfiltered, recoverable, μg/L (34511)	1,1-Dichloroethane, water, unfiltered, recoverable, μg/L (34496)	1,1-Dichloroethene, water, unfiltered, recoverable, μg/L (34501)	1,1-Dichloropropene, water, unfiltered, recoverable, μg/L (77168)	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, μg/L (49999)	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, μg/L (50000)
05-22-2012	1300	< .030	< .14	< .022	< .046	< .044	< .022	< .040	< .10	< .080

Date	Sample start time	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, μg/L (77613)	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, μg/L (77221)	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, μg/L (34551)	1,2,4-Dimethylbenzene, water, unfiltered, recoverable, μg/L (77222)	1,2-Dichlorobenzene, water, unfiltered, recoverable, μg/L (34536)	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, μg/L (77226)	1,3-Dichlorobenzene, water, unfiltered, recoverable, μg/L (34566)	2,2-Dichloropropane, water, unfiltered, recoverable, μg/L (77170)	2-Chlorotoluene, water, unfiltered, recoverable, μg/L (77275)
05-22-2012	1300	< .06	< .060	< .08	0.062	< .028	< .032	< .024	< .06	< .028

Date	Sample start time	2-Ethyltoluene, water, unfiltered, recoverable, μg/L (77220)	4-Chlorotoluene, water, unfiltered, recoverable, μg/L (77277)	4-Iso-propyltoluene, water, unfiltered, recoverable, μg/L (77356)	Acetone, water, unfiltered, recoverable, μg/L (81552)	Benzene, water, unfiltered, recoverable, μg/L (34030)	Bromobenzene, water, unfiltered, recoverable, μg/L (81555)	Bromochloromethane, water, unfiltered, recoverable, μg/L (77297)	Bromodichloromethane, water, unfiltered, recoverable, μg/L (32101)	Bromoethene, water, unfiltered, recoverable, μg/L (50002)
05-22-2012	1300	< .032	< .042	< .06	< 3.4	< .026	< .022	< .06	< .034	< .12

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Date	Sample start time	Chlorobenzene, water, unfiltered, recoverable, μg/L (34301)	Chloroethane, water, unfiltered, recoverable, μg/L (34311)	Chloromethane, water, unfiltered, recoverable, μg/L (34418)	cis-1,2-Dichloroethene, water, unfiltered, recoverable, μg/L (77093)	Dibromochloromethane, water, unfiltered, recoverable, μg/L (32105)	Dibromomethane, water, unfiltered, recoverable, μg/L (30217)	Dichlorodifluoromethane, water, unfiltered, recoverable, μg/L (34668)	Dichloromethane, water, unfiltered, recoverable, μg/L (34423)	Diethyl ether, water, unfiltered, recoverable, μg/L (81576)
05-22-2012	1300	< .026	< .06	< .1	< .022	< .12	< .050	< .10	< .04	< .1

Date	Sample start time	Diisopropyl ether, water, unfiltered, recoverable, μg/L (81577)	Ethyl methacrylate, water, unfiltered, recoverable, μg/L (73570)	Ethyl methyl ketone, water, unfiltered, recoverable, μg/L (81595)	Ethylbenzene, water, unfiltered, recoverable, μg/L (34371)	Hexachlorobutadiene, water, unfiltered, recoverable, μg/L (39702)	Hexachloroethane, water, unfiltered, recoverable, μg/L (34396)	Isobutyl methyl ketone, water, unfiltered, recoverable, μg/L (78133)	Isopropylbenzene, water, unfiltered, recoverable, μg/L (77223)	Methyl acrylate, water, unfiltered, recoverable, μg/L (49991)
05-22-2012	1300	< .06	< .20	< 1.6	< .036	< .08	< .10	< .32	< .042	< .8

Date	Sample start time	Methyl acrylonitrile, water, unfiltered, recoverable, μg/L (81593)	Methyl methacrylate, water, unfiltered, recoverable, μg/L (81597)	Methyl tert-butyl ether, water, unfiltered, recoverable, μg/L (78032)	Methyl tert-pentyl ether, water, unfiltered, recoverable, μg/L (50005)	m-Xylene plus p-xylene, water, unfiltered, recoverable, μg/L (85795)	Naphthalene, water, unfiltered, recoverable, μg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recoverable, μg/L (77103)	n-Butylbenzene, water, unfiltered, recoverable, μg/L (77342)	n-Propylbenzene, water, unfiltered, recoverable, μg/L (77224)
05-22-2012	1300	< .26	< .22	< .10	< .06	< .08	< .18	< .4	< .08	< .036

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Date	Sample start time	Organic carbon, water, filtered, mg/L (00681)	o-Xylene, water, unfiltered, recoverable, μg/L (77135)	sec-Butylbenzene, water, unfiltered, recoverable, μg/L (77350)	Styrene, water, unfiltered, recoverable, μg/L (77128)	tert-Butyl ethyl ether, water, unfiltered, recoverable, μg/L (50004)	tert-Butylbenzene, water, unfiltered, recoverable, μg/L (77353)	Tetra-chloro-ethene, water, unfiltered, recoverable, μg/L (34475)	Tetra-chloro-methane, water, unfiltered, recoverable, μg/L (32102)	Tetra-hydro-furan, water, unfiltered, recoverable, μg/L (81607)
05-22-2012	1300	1.92	< .032	< .034	< .042	< .032	< .060	< .026	< .06	< 1.4

Date	Sample start time	Toluene, water, unfiltered, recoverable, μg/L (34010)	trans-1,2-Dichloro-ethene, water, unfiltered, recoverable, μg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, μg/L (73547)	Tribromo-methane, water, unfiltered, recoverable, μg/L (32104)	Trichloro-ethene, water, unfiltered, recoverable, μg/L (39180)	Trichloro-fluoro-methane, water, unfiltered, recoverable, μg/L (34488)	Trichloro-methane, water, unfiltered, recoverable, μg/L (32106)	Trihalo-methanes, water, unfiltered, maximum summation, μg/L (90867)	Vinyl chloride, water, unfiltered, recoverable, μg/L (39175)
05-22-2012	1300	< .02	< .018	< 2.0	< .10	< .022	< .06	< .03	< .3	< .06

Date	Sample start time	Uranium (natural), water, filtered, μg/L (22703)	Carbon-13/Carbon-12 ratio, water, unfiltered, per mil (82081)	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil (82085)
05-22-2012	1300	0.005	-9.22	-4.84