

Water-Data Report 2012

**323136092154301 Local number Ou-5225Z**

Mississippi embayment aquifer system  
Sparta Aquifer

Ouachita Parish, LA

LOCATION.--Lat 32°31'36", long 92°15'43" referenced to North American Datum of 1983, in sec.21, T.18 N., R.2 E., Ouachita Parish, LA, Hydrologic Unit 08040207.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 380 ft. Upper casing diameter 4 in; top of first opening 360 ft, bottom of last opening 380 ft.

DATUM.--Land-surface datum is 146 ft above North American Vertical Datum of 1988.

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

[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; MF, membrane filter; N, nitrogen; P, phosphorus; SiO<sub>2</sub>, 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)
07-26-2012	1100	0.4	8.6	497	22.4	277	0.681	0.145	0.90	118

Date	Sample start time	ANC, water, unfiltered, inflection-point, incremental titration method, field, mg/L as CaCO <sub>3</sub> (00419)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as CaCO <sub>3</sub> (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)
07-26-2012	1100	223	218	249	0.136	0.9	8.2	22.2	0.32

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

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Date	Sample start time	Hydrogen sulfide, water, unfiltered, mg/L (71875)	Hydroxide, water, unfiltered, inflection-point titration method (incremental titration method), field, milligrams per liter (71832)	Silica, water, filtered, mg/L as SiO <sub>2</sub> (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as NH <sub>4</sub> (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)
07-26-2012	1100	0.0	0.1	10.5	3.07	0.575	0.447	0.125	0.115	0.034

Date	Sample start time	Nitrite, water, filtered, mg/L as N (00613)	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)
07-26-2012	1100	0.010	0.04	1.38	0.451	0.61	< 1	< 1	8.9

Date	Sample start time	Barium, water, filtered, μg/L (01005)	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)
07-26-2012	1100	8.03	0.012	< .016	< .07	0.054	< .80	4.8	0.276	4.55

Date	Sample start time	Manganese, water, filtered, μg/L (01056)	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)
07-26-2012	1100	1.31	0.134	< .09	< .005	30.0	< .010	0.19	3.1	< .027

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Date	Sample start time	Arsenic, water, filtered, μg/L (01000)	Boron, water, filtered, μg/L (01020)	Selenium, water, filtered, μg/L (01145)	1,2,3-Tri-chloro-propane, water, unfiltered, recoverable, μg/L (77443)	1,2-Dibromo-3-chloro-propane, water, unfiltered, recoverable, μg/L (82625)	1,2-Dibromo-ethane, water, unfiltered, recoverable, μg/L (77651)	1,2-Dichloro-ethane, water, unfiltered, recoverable, μg/L (32103)	1,2-Dichloro-propane, water, unfiltered, recoverable, μg/L (34541)	1,3-Di-chloro-propane, water, unfiltered, recoverable, μg/L (77173)
					< .120	< .400	< .028	< .08	< .0260	< .06
07-26-2012	1100	0.04	297	< .03	< .120	< .400	< .028	< .08	< .0260	< .06

  

Date	Sample start time	1,4-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34571)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49295)	2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82660)	2-Chloro-2',6'-diethyl-acetanilide, water, filtered, recoverable, μg/L (61618)	2-Chloro-4-isopropyl-amino-6-amino-s-triazine, water, filtered, recoverable, μg/L (04040)	2-Ethyl-6-methyl-aniline, water, filtered, recoverable, μg/L (61620)	3,4-Dichloro-aniline, water, filtered, recoverable, μg/L (61625)	3,5-Di-chloro-aniline, water, filtered, recoverable, μg/L (61627)	3-Chloro-propene, water, unfiltered, recoverable, μg/L (78109)
		< .026	< .0360	< .0060	< .010	< .006	< .010	< .0060	< .006	< .08
07-26-2012	1100	< .026	< .0360	< .0060	< .010	< .006	< .010	< .0060	< .006	< .08

  

Date	Sample start time	4-Chloro-2-methyl-phenol, water, filtered, recoverable, μg/L (61633)	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)
		< .0080	< .010	< .48	< .008	< .006	< .008	< .042	< .120	< .014
07-26-2012	1100	< .0080	< .010	< .48	< .008	< .006	< .008	< .042	< .120	< .014

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Date	Sample start time	Bromo-methane, water, unfiltered, recoverable, µg/L (34413)	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-Dichloro-propene, water, unfiltered, recoverable, µg/L (34704)	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)
07-26-2012	1100	< .2	< .060	< .060	E .2	< .08	< .0036	< .10	< .010

Date	Sample start time	cis-Propiconazole, water, filtered, recoverable, µg/L (79846)	Cyanazine, water, filtered, recoverable, µg/L (04041)	Cyfluthrin, water, filtered, recoverable, µg/L (61585)	Cypermethrin, 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)	Dichlorvos, water, filtered, recoverable, µg/L (38775)
07-26-2012	1100	< .008	< .022	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04

Date	Sample start time	Dicrotophos, water, filtered, recoverable, µg/L (38454)	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)
07-26-2012	1100	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010

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Date	Sample start time	Ethoprop, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82672)	Fenami-phos sulfone, water, filtered, recoverable, μg/L (61645)	Fenami-phos sulfoxide, water, filtered, recoverable, μg/L (61646)	Fenami-phos, 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)
07-26-2012	1100	< .016	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	< .012

Date	Sample start time	Iodo-methane, water, unfiltered, recoverable, μg/L (77424)	Iprodione, water, filtered, recoverable, μg/L (61593)	Isofen-phos, 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)
07-26-2012	1100	< .26	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014

Date	Sample start time	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82667)	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)	Myclobutanol, water, filtered, recoverable, μg/L (61599)	Oxy-fluorfen, water, filtered, recoverable, μg/L (61600)	Pendi-methalin, 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)
07-26-2012	1100	< .008	< .020	< .012	< .0040	< .010	< .010	< .012	< .027	< .020

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Date	Sample start time	Phosmet oxygen analog, water, filtered, recoverable, μg/L (61668)	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)
07-26-2012	1100	< .0511	< .080	< .012	< .010	< .010	< .020	< .0036	< .006	< .028

Date	Sample start time	Tefluthrin, water, filtered, recoverable, μg/L (61606)	Terbufos oxygen analog sulfone, water, filtered, recoverable, μg/L (61674)	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82675)	Terbuthyl-azine, water, filtered, recoverable, μg/L (04022)	Thioben-carb, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82681)	trans-1,3-Dichloro-propene, water, unfiltered, recoverable, μg/L (34699)	trans-Propicon-azole, 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)
07-26-2012	1100	< .014	< .045	< .018	< .008	< .016	< .14	< .018	< .018	< .018

Date	Sample start time	1,1,1,2-Tetra-chloro-ethane, water, unfiltered, recoverable, μg/L (77562)	1,1,1-Tri-chloro-ethane, water, unfiltered, recoverable, μg/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfiltered, recoverable, μg/L (34516)	1,1,2-Tri-chloro-1,2,2-trifluoro-ethane, water, unfiltered, recoverable, μg/L (77652)	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, μg/L (34511)	1,1-Di-chloro-ethane, water, unfiltered, recoverable, μg/L (34496)	1,1-Di-chloro-ethene, water, unfiltered, recoverable, μg/L (34501)	1,1-Di-chloro-propene, water, unfiltered, recoverable, μg/L (77168)	1,2,3,4-Tetra-methyl-benzene, water, unfiltered, recoverable, μg/L (49999)
07-26-2012	1100	< .040	< .030	< .14	< .022	< .046	< .044	< .022	< .040	< .10

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Date	Sample start time	1,2,3,5-Tetra-methyl-benzene, water, unfiltered, recoverable, μg/L (50000)	1,2,3-Tri-chloro-benzene, water, unfiltered, recoverable, μg/L (77613)	1,2,3-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77221)	1,2,4-Tri-chloro-benzene, water, unfiltered, recoverable, μg/L (34551)	1,2,4-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77222)	1,2-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34536)	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, μg/L (77226)	1,3-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34566)	2,2-Di-chloro-propane, water, unfiltered, recoverable, μg/L (77170)
07-26-2012	1100	< .080	< .06	< .060	< .08	< .032	< .028	< .032	< .024	< .06

  

Date	Sample start time	2-Chloro-toluene, water, unfiltered, recoverable, μg/L (77275)	2-Ethyl-toluene, water, unfiltered, recoverable, μg/L (77220)	4-Chloro-toluene, water, unfiltered, recoverable, μg/L (77277)	4-Iso-propyl-toluene, water, unfiltered, recoverable, μg/L (77356)	Acetone, water, unfiltered, recoverable, μg/L (81552)	Benzene, water, unfiltered, recoverable, μg/L (34030)	Bromo-benzene, water, unfiltered, recoverable, μg/L (81555)	Bromo-chloro-methane, water, unfiltered, recoverable, μg/L (77297)	Bromo-dichloro-methane, water, unfiltered, recoverable, μg/L (32101)
07-26-2012	1100	< .028	< .032	< .042	< .06	< 3.4	< .026	< .022	< .06	< .034

  

Date	Sample start time	Bromo-ethene, water, unfiltered, recoverable, μg/L (50002)	Chloro-benzene, water, unfiltered, recoverable, μg/L (34301)	Chloro-ethane, water, unfiltered, recoverable, μg/L (34311)	Chloro-methane, water, unfiltered, recoverable, μg/L (34418)	cis-1,2-Di-chloro-ethene, water, unfiltered, recoverable, μg/L (77093)	Dibromo-chloro-methane, water, unfiltered, recoverable, μg/L (32105)	Dibromo-methane, water, unfiltered, recoverable, μg/L (30217)	Dichloro-difluoro-methane, water, unfiltered, recoverable, μg/L (34668)	Dichloro-methane, water, unfiltered, recoverable, μg/L (34423)
07-26-2012	1100	< .12	< .026	< .06	< .1	< .022	< .12	< .050	< .10	< .04

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Date	Sample start time	Diethyl ether, water, unfiltered, recoverable, μg/L (81576)	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)
07-26-2012	1100	< .1	< .06	< .20	< 1.6	< .036	< .08	< .10	< .32	< .042

Date	Sample start time	Methyl acrylate, water, unfiltered, recoverable, μg/L (49991)	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)
07-26-2012	1100	< .8	< .26	< .22	< .10	< .06	< .08	< .18	< .4	< .08

Date	Sample start time	n-Propylbenzene, water, unfiltered, recoverable, μg/L (77224)	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)	Tetrachloroethene, water, unfiltered, recoverable, μg/L (34475)	Tetrachloromethane, water, unfiltered, recoverable, μg/L (32102)
07-26-2012	1100	< .036	1.51	< .032	< .034	< .042	< .032	< .060	< .026	< .06

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Date	Sample start time	Tetrahydrofuran, water, unfiltered, recoverable, µg/L (81607)	Toluene, water, unfiltered, recoverable, µg/L (34010)	trans-1,2-Dichloroethene, water, unfiltered, recoverable, µg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, µg/L (73547)	Tribromomethane, water, unfiltered, recoverable, µg/L (32104)	Trichloroethene, water, unfiltered, recoverable, µg/L (39180)	Trichlorofluoromethane, water, unfiltered, recoverable, µg/L (34488)	Trichloromethane, water, unfiltered, recoverable, µg/L (32106)	Trihalomethanes, water, unfiltered, maximum summation, µg/L (90867)
07-26-2012	1100	< 1.4	0.07	< .018	< 2.0	< .10	< .022	< .06	< .03	< .3

Date	Sample start time	Vinyl chloride, water, unfiltered, recoverable, µg/L (39175)	Radon-222, water, unfiltered, picocuries per liter (82303)	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)
07-26-2012	1100	< .06	71	0.015	-10.27	-4.84