



Water-Data Report 2008

404727073575101 Local number NY 251. 1

New York and New England crystalline-rock aquifers
 Basement Complex
 New York County, NY

LOCATION.--Lat 40°47'27", long 73°57'51" referenced to North American Datum of 1927, New York County, NY, Hydrologic Unit 02030101, at Central Park, at southwest corner of Central Park West Drive and entrance drive from West 96th Street, Manhattan.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 32.3 ft. Upper casing diameter 3 in; top of first opening 3 ft, bottom of last opening 32.3 ft. Cased to 3 ft, open hole.

DATUM.--Land-surface datum is 99.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft below land-surface datum.

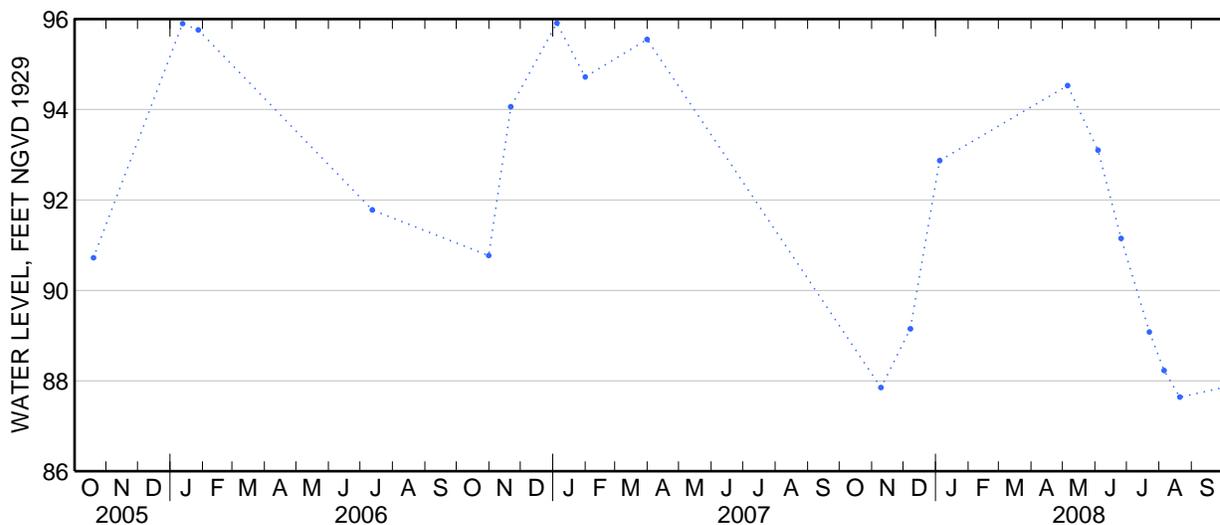
PERIOD OF RECORD.--October 2005 to current year.

GAGE.--Measurement with chalked steel tape by United States Geological Survey personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 95.91 ft above sea level, January 4, 2007; lowest measured, 87.64 ft above sea level, August 20, 2008.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Water level	Date	Water level
Nov 9	87.85	Jun 25	91.15
Dec 7	89.15	Jul 22	89.08
Jan 4	92.87	Aug 5	88.23
May 5	94.53	20	87.64
Jun 3	93.10	Sep 30	87.85



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WATER-QUALITY RECORDS

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 20

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Date	Time	Turbidity, IR LED light, 90 deg FNU (63680)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd μ S/cm 25 degC (00095)	Temperature, deg C (00010)	Calcium water unfltrd recover mg/L (00916)	Magnesium, water, unfltrd recover mg/L (00927)	Potassium, water, unfltrd recover mg/L (00937)	Sodium, water, unfltrd recover mg/L (00929)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)
Aug 05...	1030	5.1	.8	6.0	226	15.4	28.3	13.4	4.01	31.4	35.5	.17	20.6

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 20

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Date	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Arsenic water, unfltrd μ g/L (01002)	Barium, water, unfltrd recover mg/L (01007)	Cadmium water, unfltrd mg/L (01027)	Chromium, water, unfltrd recover mg/L (01034)	Copper, water, unfltrd recover mg/L (01042)	Iron, water, unfltrd recover mg/L (01046)	Iron, water, unfltrd recover mg/L (01045)
Aug 05...	66.7	289	<.020	1.20	.016	.014	<.60	51.7	.06	E.39n	7.4	19	188

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 20

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Date	Lead, water, unfltrd recover mg/L (01051)	Manganese, water, fltrd, mg/L (01056)	Manganese, water, unfltrd recover mg/L (01055)	Mercury, water, unfltrd recover mg/L (71900)	Selenium, water, unfltrd mg/L (01147)	Silver, water, unfltrd recover mg/L (01077)	Zinc, water, unfltrd recover mg/L (01092)	1,2-Di-phenyl-hydrazine, water, unfltrd mg/L (82626)	1-Naph-thol, water, fltrd 0.7u GF mg/L (49295)	2,4,6-Tri-chloro-phenol, water, unfltrd mg/L (34621)	2,4-Di-chloro-phenol, water, unfltrd mg/L (34601)	2,4-Di-methyl-phenol, water, unfltrd mg/L (34606)	2,4-Di-nitro-phenol, water, unfltrd mg/L (34616)
Aug 05...	.20	218	236	<.010	1.1	<.02	9.6	<.30	<.04mc	<.6	<.39	<.6	<.80mc

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WATER-QUALITY DATA
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Part 4 of 20

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Date	2,4-Di-nitro-toluene water, unfltrd µg/L (34611)	2,6-Di-ethyl-aniline water, fltrd 0.7u GF µg/L (82660)	2,6-Di-nitro-toluene water, unfltrd µg/L (34626)	2Chloro-2',6'-diethyl acet-anilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Chloro-naphthalene, water, unfltrd µg/L (34581)	2-Chloro-phenol, water, unfltrd µg/L (34586)	2-Ethyl-6-methyl-aniline water, fltrd, µg/L (61620)	2-Methyl-4,6-dinitro-phenol, wat unf µg/L (34657)	2-nitro-phenol, water, unfltrd µg/L (34591)	3,3'-Dichloro-benzidine, water, unfltrd µg/L (34631)	3,4-Di-chloro-aniline water, fltrd, µg/L (61625)	4-Bromo-phenyl phenyl ether, wat unf µg/L (34636)
Aug 05...	<.43	<.006	<.43	<.010	<.014mc	<.2	<.42	<.010mc	<.77mc	<.6	<.4mc	<.006mc	<.36

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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Date	4-Chloro-2methyl-phenol, water, fltrd, µg/L (61633)	4-Chloro-3-methyl-phenol, wat unf µg/L (34452)	4-Chloro-phenyl-ether, wat unf µg/L (34641)	4-Nitro-phenol, water, unfltrd µg/L (34646)	9H-Fluorene, water, unfltrd µg/L (34381)	Ace-naphthalene, water, unfltrd µg/L (34205)	Ace-naphthalene, water, unfltrd µg/L (34200)	Aceto-chlor, water, fltrd, µg/L (49260)	Ala-chlor, water, fltrd, µg/L (46342)	Aldrin, water, unfltrd µg/L (39330)	alpha-Endo-sulfan, water, unfltrd µg/L (39388)	Anthra-cene, water, unfltrd µg/L (34220)	Atra-zine, water, fltrd, µg/L (39632)
Aug 05...	<.005mc	<.55	<.34	<.51mc	<.33	<.28	<.30	<.006	<.006	<.01	<.01	<.39	<.007

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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Date	Azin-phos-methyl oxon, water, fltrd, µg/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Benzo-[a]-anthra-cene, water, unfltrd µg/L (34526)	Benzo-[a]-pyrene, water, unfltrd µg/L (34247)	Benzo-[b]-fluor-anthene, water, unfltrd µg/L (34230)	Benzo-[ghi]-per-ylene, water, unfltrd µg/L (34521)	Benzo-[k]-fluor-anthene, water, unfltrd µg/L (34242)	Benzyl-n-butyl-phthal-ate, water, unfltrd µg/L (34292)	Bis(2-chloro-ethoxy) methane, water, unfltrd µg/L (34278)	Bis(2-chloro-ethyl) ether, water, unfltrd µg/L (34273)	Bis(2-chloro-iso-propyl) ether, wat unf µg/L (34283)	Bis(2-ethyl-hexyl) phthal-ate, wat unf µg/L (39100)
Aug 05...	<.04mc	<.120mc	<.010	<.26	<.33	<.40	<.4	<.4	<.4	<.35	<.30	<.38	Mtc

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WATER-QUALITY DATA
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Date	Carbaryl, water, fltrd, 0.7u GF µg/L (82680)	Chlor-dane, technical, water, unfltrd µg/L (39350)	Chlor-pyrifos, water, fltrd, µg/L (61636)	Chlor-pyrifos, water, fltrd, µg/L (38933)	Chrys-ene, water, unfltrd, µg/L (34320)	cis-Per-methrin, water, fltrd, 0.7u GF µg/L (82687)	Cyflu-thrin, water, fltrd, µg/L (61585)	Cyper-methrin, water, fltrd, µg/L (61586)	DCPA, water, fltrd, 0.7u GF µg/L (82682)	Desulf-inyl-fipro-nil, water, fltrd, µg/L (62170)	Diazi-non, water, fltrd, µg/L (39572)	Di-benzo-[a,h]-anthra-cene, wat unf µg/L (34556)	Dicro-tophos, water, fltrd, µg/L (38454)
Aug 05...	<.060mc	<.1	<.06mc	<.005	<.33	<.010	<.016mc	<.014mc	<.003	<.012	<.005	<.4	<.08mc

WATER-QUALITY DATA
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Date	Diel-drin, water, fltrd, µg/L (39381)	Diel-drin, water, unfltrd, µg/L (39380)	Di-ethyl phthal-ate, water, unfltrd, µg/L (34336)	Dimeth-oate, water, fltrd, 0.7u GF µg/L (82662)	Di-methyl phthal-ate, water, unfltrd, µg/L (34341)	Di-n-butyl phthal-ate, water, unfltrd, µg/L (39110)	Di-n-octyl phthal-ate, water, unfltrd, µg/L (34596)	Endrin, water, unfltrd, µg/L (39390)	Ethion monoxon, water, fltrd, µg/L (61644)	Ethion, water, fltrd, µg/L (82346)	Fenami-phos sulfone, water, fltrd, µg/L (61645)	Fenami-phos sulf-oxide, water, fltrd, µg/L (61646)	Fenami-phos, water, fltrd, µg/L (61591)
Aug 05...	<.009	<.008	<.61	<.006mc	<.59	Mc	<.4	<.01	<.02mc	<.006	<.053	<.20mc	<.03

WATER-QUALITY DATA
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Date	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Fipro-nil sulfide, water, fltrd, µg/L (62167)	Fipro-nil sulfone, water, fltrd, µg/L (62168)	Fipro-nil, water, fltrd, µg/L (62166)	Fluor-anthene, water, unfltrd, µg/L (34376)	Fonofos, water, fltrd, µg/L (04095)	Hepta-chlor epoxide, water, unfltrd, µg/L (39420)	Hepta-chlor, water, unfltrd, µg/L (39410)	Hexa-chloro-benzene, water, unfltrd, µg/L (39700)	Hexa-chloro-cyclo-penta-diene, wat unf µg/L (34386)	Hexa-zinone, water, fltrd, µg/L (04025)	Indeno-[1,2,3-cd]-pyrene, water, unfltrd, µg/L (34403)	Ipro-dione, water, fltrd, µg/L (61593)
Aug 05...	<.029mc	<.013	<.024	<.020mc	<.30	<.010	<.009	<.01	<.30	<.4mc	<.008	<.4	<.01mc

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 20

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Date	Isofen- phos, water, fltrd, µg/L (61594)	Iso- phorone water, unfltrd µg/L (34408)	Lindane water, unfltrd µg/L (39340)	Mala- oxon, water, fltrd, µg/L (61652)	Mala- thion, water, fltrd, µg/L (39532)	Meta- laxyl, water, fltrd, µg/L (61596)	Methid- athion, water, fltrd, µg/L (61598)	Methyl acetate water, unfltrd µg/L (77032)	Methyl para- oxon, water, fltrd, µg/L (61664)	Methyl para- thion, water, fltrd 0.7u GF µg/L (82667)	MBAS, water, unfltrd mg/L (38260)	Metola- chlor, water, fltrd, µg/L (39415)	Metri- buzin, water, fltrd, µg/L (82630)
Aug 05...	<.006	<.4	<.014	<.020	<.016	<.007	<.004	<.4	<.01mc	<.008	<.10	<.010	<.012

WATER-QUALITY DATA
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Date	Mirex, water, unfltrd µg/L (39755)	Myclo- butanil water, fltrd, µg/L (61599)	Nitro- benzene water, unfltrd µg/L (34447)	N- Nitroso -di- methyl- amine, wat unf µg/L (34438)	N- Nitroso -di-n- propyl- amine, wat unf µg/L (34428)	N- Nitroso -di- phenyl- amine, wat unf µg/L (34433)	p,p'- DDD, water, unfltrd µg/L (39360)	p,p'- DDE, water, unfltrd µg/L (39365)	p,p'- DDT, water, unfltrd µg/L (39370)	p,p'- Meth- oxy- chlor, water, unfltrd µg/L (39480)	PCBs, water, unfltrd µg/L (39516)	Pendi- meth- alin, water, fltrd 0.7u GF µg/L (82683)	Penta- chloro- phenol, water, unfltrd µg/L (39032)
Aug 05...	<.006	<.010	<.21	<.33	<.4	<.4	<.016	<.014	<.010	<.002	<.1	<.012	<.4mc

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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Date	Phenan- threne, water, unfltrd µg/L (34461)	Phenol, water, unfltrd µg/L (34694)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prome- ton, water, fltrd, µg/L (04037)	Prome- tryn, water, fltrd, µg/L (04036)	Propy- zamide, water, fltrd 0.7u GF µg/L (82676)	Pyrene, water, unfltrd µg/L (34469)	Sima- zine, water, fltrd, µg/L (04035)	Tebu- thiuron water, fltrd 0.7u GF µg/L (82670)	Ter- bufos oxon sulfone water, fltrd, µg/L (61674)
Aug 05...	<.32	<.4	<.03mc	<.040	<.05mc	<.008mc	<.01	<.006	<.004	<.35	<.006	<.02	<.04

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WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 20

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Date	Terbu- fos, water, fltrd 0.7u GF µg/L (82675)	Ter- butyl- azine, water, fltrd (04022)	tert- Amyl alcohol water, unfltrd (77073)	tert- Butyl- alcohol water, unfltrd (77035)	Toxa- phene, water, unfltrd (39400)	Tribu- phos, water, fltrd (61610)	Tri- flur- alin, water, fltrd 0.7u GF (82661)	1,1,1,2- Tetra- chloro- ethane, water, unfltrd (77562)	1,1,1- Tri- chloro- ethane, water, unfltrd (34506)	1,1,2,2- Tetra- chloro- ethane, water, unfltrd (34516)	CFC-113 water, unfltrd (77652)	1,1,2- Tri- chloro- ethane, water, unfltrd (34511)	1,1-Di- chloro- ethane, water, unfltrd (34496)
Aug 05...	<.02	<.01	<.6	<2.00	<1	<.035mc	<.009	<.04	<.02	<.10	<.04	<.06	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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Date	1,1-Di- chloro- ethene, water, unfltrd (34501)	1,1-Di- chloro- propene water, unfltrd (77168)	1,2,3,4- Tetra- methyl- benzene water, unfltrd (49999)	1,2,3,5- Tetra- methyl- benzene water, unfltrd (50000)	1,2,3- Tri- chloro- benzene water, unfltrd (77613)	1,2,3- Tri- chloro- propane water, unfltrd (77443)	1,2,3- Tri- methyl- benzene water, unfltrd (77221)	1,2,4- Tri- chloro- benzene water, unfltrd (34551)	1,2,4- Tri- methyl- benzene water, unfltrd (77222)	Dibromo chloro- propane water, unfltrd (82625)	1,2-Di- bromo- ethane, water, unfltrd (77651)	1,2-Di- chloro- benzene water, unfltrd (34536)	1,2-Di- chloro- ethane, water, unfltrd (32103)
Aug 05...	<.02	<.04	<.1	<.1	<.1	<.12	<.1	<.1	<.04	<.5	<.04	<.02	<.1

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Date	1,2-Di- chloro- propane water, unfltrd (34541)	1,3,5- Tri- methyl- benzene water, unfltrd (77226)	1,3-Di- chloro- benzene water, unfltrd (34566)	1,3-Di- chloro- propane water, unfltrd (77173)	1,4-Di- chloro- benzene water, unfltrd (34571)	2,2-Di- chloro- propane water, unfltrd (77170)	2- Chloro- toluene water, unfltrd (77275)	2- Ethyl- toluene water, unfltrd (77220)	3- Chloro- propene water, unfltrd (78109)	4- Chloro- toluene water, unfltrd (77277)	4-Iso- propyl- toluene water, unfltrd (77356)	Acetone water, unfltrd (81552)	Acrylo- nitrile water, unfltrd (34215)
Aug 05...	<.02	<.04	<.04	<.1	<.02	<.06	<.04	<.04	<.08mc	<.04	<.08	<4	<.4

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WATER-QUALITY DATA
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Date	Benzene	Bromo- benzene	Bromo- chloro- methane	Bromo- di- chloro- methane	Bromo- ethene,	Tri- bromo- methane	Bromo- methane	Carbon di- sulfide	Chloro- benzene	Chloro- ethane,	Chloro- methane	cis- 1,2-Di- chloro- ethene,	cis- 1,3-Di- chloro- propene
	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd
	µg/L (34030)	µg/L (81555)	µg/L (77297)	µg/L (32101)	µg/L (50002)	µg/L (32104)	µg/L (34413)	µg/L (77041)	µg/L (34301)	µg/L (34311)	µg/L (34418)	µg/L (77093)	µg/L (34704)
Aug 05...	<.02	<.02	<.06	<.04	<.1	<.08	<.4mc	<.06	<.02	<.1	<.1mc	<.02	<.10

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Date	Di- bromo- chloro- methane	Di- bromo- methane	Di- chloro- di- fluoro- methane	Di- chloro- methane	Di- ethyl ether,	Diiso- propyl ether,	Ethyl methac- rylate,	Ethyl methyl ketone,	Ethyl- benzene	Hexa- chloro- buta- diene,	Hexa- chloro- ethane,	Iodo- methane	Iso- butyl methyl ketone,
	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd
	µg/L (32105)	µg/L (30217)	µg/L (34668)	µg/L (34423)	µg/L (81576)	µg/L (81577)	µg/L (73570)	µg/L (81595)	µg/L (34371)	µg/L (39702)	µg/L (34396)	µg/L (77424)	µg/L (78133)
Aug 05...	<.1	<.04	<.14mc	<.04	<.1	<.06	<.1	<1.6	<.04	<.1	<.1	<.40mc	<.4

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WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	Iso- propyl- benzene	Methyl acrylo- nitrile	Methyl acryl- ate,	Methyl methac- rylate,	Methyl tert- pentyl ether,	meta- + para- Xylene,	Naphth- alene,	Methyl n-butyl ketone,	n-Butyl benzene	n- Propyl- benzene	o- Xylene,	sec- Butyl- benzene	Styrene
	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd
	µg/L (77223)	µg/L (81593)	µg/L (49991)	µg/L (81597)	µg/L (50005)	µg/L (85795)	µg/L (34696)	µg/L (77103)	µg/L (77342)	µg/L (77224)	µg/L (77135)	µg/L (77350)	µg/L (77128)
Aug 05...	<.04	<.2	<.6	<.2	<.06	<.08	<.2	<.6	<.1	<.04	<.04	<.04	<.04

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 19 of 20

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: c, see result laboratory comment; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	t-Butyl ethyl ether, water, unfltrd µg/L (50004)	Methyl t-butyl ether, water, unfltrd µg/L (78032)	tert- Butyl- benzene water, unfltrd µg/L (77353)	Tetra- chloro- ethene, water, unfltrd µg/L (34475)	Tetra- chloro- methane water, unfltrd µg/L (32102)	Tetra- hydro- furan, water, unfltrd µg/L (81607)	Toluene water, unfltrd µg/L (34010)	trans- 1,2-Di- chloro- ethene, water, unfltrd µg/L (34546)	trans- 1,3-Di- chloro- propene water, unfltrd µg/L (34699)	trans- 1,4-Di- chloro- 2- butene, wat unf µg/L (73547)	Tri- chloro- ethene, water, unfltrd µg/L (39180)	Tri- chloro- fluoro- methane water, unfltrd µg/L (34488)	Tri- chloro- methane water, unfltrd µg/L (32106)
Aug 05...	<.04	<.1	<.06	<.04	<.08	<1	<.02	<.02	<.10	<.6	<.02	<.08	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007
TO SEPTEMBER 2008

Part 20 of 20

[Remark codes: <, less than;

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Date	Vinyl chlor- ide, water, unfltrd µg/L (39175)	Di- chlor- vos, water, fltrd, µg/L (38775)
Aug 05...	<.1	<.01mc