



Water-Data Report 2008

**404257073493701 Local number Q 273.1**

Northern Atlantic Coastal Plain aquifer system  
Lloyd Aquifer  
Queens County, NY

LOCATION.--Lat 40°42'57.7", long 73°49'34.1" referenced to North American Datum of 1983, Queens County, NY, Hydrologic Unit 02030201.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 438 ft. Upper casing diameter 6 in; top of first opening 308 ft, bottom of last opening 438 ft.

DATUM.--Land-surface datum is 26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.81 ft above land-surface datum.

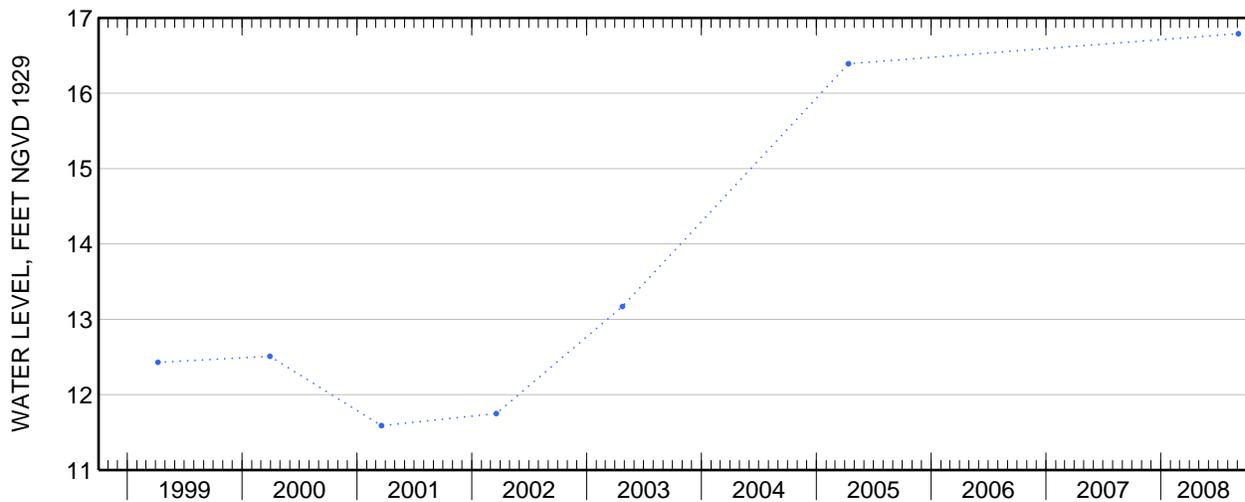
PERIOD OF RECORD.--June 1952 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.79 ft above sea level, September 3, 2008; lowest measured, 12.10 ft below sea level, August 30, 1968.

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

Date	Water level
Sep 3	16.79



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## WATER-QUALITY RECORDS

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 20

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

Date	Time	Depth to water level, feet below LSD (72019)	Water level, depth below MP, feet (61055)	Turbidity white light, det ang 90+/-30 degrees NTU (63675)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conduc-tance, wat unfltrd μS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Calcium water unfltrd recover -able, mg/L (00916)	Magnes-ium, water, unfltrd recover -able, mg/L (00927)	Potas-sium, water, unfltrd recover -able, mg/L (00937)	Sodium, water, unfltrd recover -able, mg/L (00929)	Chlor-ide, water, fltrd, mg/L (00940)
Sep 03...	1300	9.41	10.02	3.7	<1.0	7.4	170	14.2	13.2	6.04	1.17	4.3	4.39

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 20

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Date	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	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)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Arsenic water, unfltrd μg/L (01002)	Barium, water, unfltrd recover -able, μg/L (01007)	Cadmium water, unfltrd μg/L (01027)	Chrom-ium, water, unfltrd recover -able, μg/L (01034)	Copper, water, unfltrd recover -able, μg/L (01042)
Sep 03...	E.10n	8.6	E.09n	96	.024	<.04	.002	<.030d	.73	8.1	<.01	<.40	<1.2

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 20

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Date	Iron, water, fltrd, μg/L (01046)	Iron, water, unfltrd recover -able, μg/L (01045)	Lead, water, unfltrd recover -able, μg/L (01051)	Mangan-ese, water, fltrd, μg/L (01056)	Mangan-ese, water, unfltrd recover -able, μg/L (01055)	Mercury water, unfltrd recover -able, μg/L (71900)	Selen-ium, water, unfltrd μg/L (01147)	Silver, water, unfltrd recover -able, μg/L (01077)	Zinc, water, unfltrd recover -able, μg/L (01092)	1,2-Di-phenyl-hydra-zine, water, unfltrd μg/L (82626)	1-Naph-thol, water, fltrd 0.7u GF μg/L (49295)	2,4,6-Tri-chloro-phenol, water, unfltrd μg/L (34621)	2,4-Di-chloro-phenol, water, unfltrd μg/L (34601)
Sep 03...	8,780d	9,320d	.09	366	424	<.010	<.08	<.02	E1.6n	<.30	<.04mc	<.6	<.39

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

Part 4 of 20

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Date	2,4-Di-methyl-phenol, water, unfltrd µg/L (34606)	2,4-Di-nitro-phenol, water, unfltrd µg/L (34616)	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, water, fltrd 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, water, unfltrd µg/L (34657)	2-nitro-phenol, water, unfltrd µg/L (34591)	3,3'-Di-chloro-benzidine, water, unfltrd µg/L (34631)
Sep 03...	<.6	<.80mc	<.43	<.006	<.43	<.010	<.014mc	<.2	<.42	<.010mc	<.77mc	<.6	<.4mc

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

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Date	3,4-Di-chloro-aniline, water, fltrd µg/L (61625)	4-Bromo-phenyl ether, water, unfltrd µg/L (34636)	4-Chloro-2methyl-phenol, water, fltrd µg/L (61633)	4-Chloro-3-methyl-phenol, water, unfltrd µg/L (34452)	4-Chloro-phenyl ether, water, unfltrd µg/L (34641)	4-Nitro-phenol, water, unfltrd µg/L (34646)	9H-Fluorene, water, unfltrd µg/L (34381)	Ace-naphthene, water, unfltrd µg/L (34205)	Ace-naphthylene, 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)
Sep 03...	<.006mc	<.36	<.005mc	<.55	<.34	<.51mc	Mt	<.28	<.30	<.006	<.006	<.01	<.01

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

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Date	Anthra-cene, water, unfltrd µg/L (34220)	Atra-zine, water, fltrd µg/L (39632)	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)	Benzy-l 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)
Sep 03...	<.39	<.007	<.04mc	<.120mc	<.010	<.26	<.33	<.40	<.4	<.4	<.4	<.35	<.30

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

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Date	Bis(2-chloro-iso-propyl) ether, wat unf µg/L (34283)	Bis(2-ethyl-hexyl) phthalate, wat unf µg/L (39100)	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-nyl-fipro-nil, water, fltrd µg/L (62170)	Diazi-non, water, fltrd µg/L (39572)
Sep 03...	<.38	<2	<.060mc	<.1	<.06mc	<.005	<.33	<.010	<.016mc	<.014mc	<.003	<.012	<.005

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

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Date	Di-benzo-[a,h]-anthracene, wat unf µg/L (34556)	Dicro-tophos, water, fltrd µg/L (38454)	Diel-drin, water, fltrd µg/L (39381)	Diel-drin, water, unfltrd µg/L (39380)	Di-ethyl phthalate, water, unfltrd µg/L (34336)	Dimeth-oate, water, fltrd 0.7u GF µg/L (82662)	Di-methyl phthalate, water, unfltrd µg/L (34341)	Di-n-butyl phthalate, water, unfltrd µg/L (39110)	Di-n-octyl phthalate, 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)
Sep 03...	<.4	<.08mc	<.009	<.008	<.61	<.006mc	<.59	<.4	<.4	<.01	<.02mc	<.006	<.053

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**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

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Date	Fenami-phos sulf-oxide, water, fltrd µg/L (61646)	Fenami-phos, water, fltrd µg/L (61591)	Desulf-nyl-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)
Sep 03...	<.20mc	<.03	<.029mc	<.013	<.024	<.020mc	Mt	<.010	<.009	<.01	<.30	<.4mc	<.008

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

Part 10 of 20

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Date	Indeno- [1,2,3- cd]- pyrene, water, unfltrd µg/L (34403)	Ipro- dione, water, fltrd µg/L (61593)	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)
Sep 03...	<.4	<.01mc	<.006	<.4	<.014	<.020	<.016	<.007	<.004	<.4	<.01mc	<.008	<.10

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

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Date	Metola- chlor, water, fltrd µg/L (39415)	Metri- buzin, water, fltrd µg/L (82630)	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)
Sep 03...	<.010	<.012	<.006	<.010	<.21	<.33	<.4	<.4	<.016	<.014	<.010	<.002	<.1

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

Part 12 of 20

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Date	Pendi- meth- alin, water, fltrd 0.7u GF µg/L (82683)	Penta- chloro- phenol, water, unfltrd µg/L (39032)	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)
Sep 03...	<.012	<.4mc	Mt	<.4	<.03mc	<.040	<.05mc	<.008mc	<.01	<.006	<.004	Mt	<.006

404257073493701 Local number Q 273. 1—Continued

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

Part 13 of 20

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Date	Tebu- thiuron water, fltrd 0.7u GF µg/L (82670)	Ter- bufos sulfone water, fltrd, (61674)	Terbu- fos, water, fltrd 0.7u GF µg/L (82675)	Ter- buthyl- azine, water, fltrd, (04022)	tert- Amyl alcohol water, unfltrd µg/L (77073)	tert- Butyl- alcohol water, unfltrd µg/L (77035)	Toxa- phene, water, unfltrd µg/L (39400)	Tribu- phos, water, fltrd, (61610)	Tri- flur- alin, water, fltrd 0.7u GF µg/L (82661)	1,1,1,2- Tetra- chloro- ethane, water, unfltrd µg/L (77562)	1,1,1- Tri- chloro- ethane, water, unfltrd µg/L (34506)	1,1,2,2- Tetra- chloro- ethane, water, unfltrd µg/L (34516)	CFC-113 water, unfltrd µg/L (77652)
Sep 03...	<.02	<.04	<.02	<.01	<.6	<2.00	<1	<.035mc	<.009	<.04	<.02	<.10	<.04

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

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Date	1,1,2- Tri- chloro- ethane, water, unfltrd µg/L (34511)	1,1-Di- chloro- ethane, water, unfltrd µg/L (34496)	1,1-Di- chloro- ethene, water, unfltrd µg/L (34501)	1,1-Di- chloro- propene water, unfltrd µg/L (77168)	1,2,3,4- -Tetra- methyl- benzene water, unfltrd µg/L (49999)	1,2,3,5- -Tetra- methyl- benzene water, unfltrd µg/L (50000)	1,2,3- Tri- chloro- benzene water, unfltrd µg/L (77613)	1,2,3- Tri- chloro- propane water, unfltrd µg/L (77443)	1,2,3- Tri- methyl- benzene water, unfltrd µg/L (77221)	1,2,4- Tri- chloro- benzene water, unfltrd µg/L (34551)	1,2,4- Tri- methyl- benzene water, unfltrd µg/L (77222)	Dibromo chloro- propane water, unfltrd µg/L (82625)	1,2-Di- bromo- ethane, water, unfltrd µg/L (77651)
Sep 03...	<.06	<.04	<.02	<.04	<.1	<.1	<.1	<.12	<.1	<.1	<.04	<.5	<.04

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Date	1,2-Di- chloro- benzene water, unfltrd µg/L (34536)	1,2-Di- chloro- ethane, water, unfltrd µg/L (32103)	1,2-Di- chloro- propane water, unfltrd µg/L (34541)	1,3,5- Tri- methyl- benzene water, unfltrd µg/L (77226)	1,3-Di- chloro- benzene water, unfltrd µg/L (34566)	1,3-Di- chloro- propane water, unfltrd µg/L (77173)	1,4-Di- chloro- benzene water, unfltrd µg/L (34571)	2,2-Di- chloro- propane water, unfltrd µg/L (77170)	2- Chloro- toluene water, unfltrd µg/L (77275)	2- Ethyl- toluene water, unfltrd µg/L (77220)	3- Chloro- propene water, unfltrd µg/L (78109)	4- Chloro- toluene water, unfltrd µg/L (77277)	4-Iso- propyl- toluene water, unfltrd µg/L (77356)
Sep 03...	<.02	<.1	<.02	<.04	<.04	<.1	<.02	<.06	<.04	<.04	<.08mc	<.04	<.08

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Date	Acetone water, unfltrd µg/L (81552)	Acrylo- nitrile water, unfltrd µg/L (34215)	Benzene water, unfltrd µg/L (34030)	Bromo- benzene water, unfltrd µg/L (81555)	Bromo- chloro- methane water, unfltrd µg/L (77297)	Bromo- di- chloro- methane water, unfltrd µg/L (32101)	Bromo- ethene, water, unfltrd µg/L (50002)	Tri- bromo- methane water, unfltrd µg/L (32104)	Bromo- methane water, unfltrd µg/L (34413)	Carbon di- sulfide water, unfltrd µg/L (77041)	Chloro- benzene water, unfltrd µg/L (34301)	Chloro- ethane, water, unfltrd µg/L (34311)	Chloro- methane water, unfltrd µg/L (34418)
Sep 03...	<4	<.4	<.02	<.02	<.06	<.04	<.1	<.08	<.4mc	<.06	<.02	<.1	<.1mc

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Date	cis- 1,2-Di- chloro- ethene, water, unfltrd µg/L (77093)	cis- 1,3-Di- chloro- propene water, unfltrd µg/L (34704)	Di- bromo- chloro- methane water, unfltrd µg/L (32105)	Di- bromo- methane water, unfltrd µg/L (30217)	Di- chloro- di- fluoro- methane wat unf µg/L (34668)	Di- chloro- methane water, unfltrd µg/L (34423)	Di- ethyl ether, water, unfltrd µg/L (81576)	Diiso- propyl ether, water, unfltrd µg/L (81577)	Ethyl methac- rylate, water, unfltrd µg/L (73570)	Ethyl methyl ketone, water, unfltrd µg/L (81595)	Ethyl- benzene water, unfltrd µg/L (34371)	Hexa- chloro- buta- diene, water, unfltrd µg/L (39702)	Hexa- chloro- ethane, water, unfltrd µg/L (34396)
Sep 03...	<.02	<.10	<.1	<.04	<.14mc	<.04	<.1	<.06	<.1	<.16	<.04	<.1	<.1

**WATER-QUALITY DATA**  
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Date	Iodo- methane water, unfltrd µg/L (77424)	Iso- butyl methyl ketone, water, unfltrd µg/L (78133)	Iso- propyl- benzene water, unfltrd µg/L (77223)	Methyl acrylo- nitrile water, unfltrd µg/L (81593)	Methyl acryl- ate, water, unfltrd µg/L (49991)	Methyl methac- rylate, water, unfltrd µg/L (81597)	Methyl tert- pentyl ether, water, unfltrd µg/L (50005)	meta- + para- Xylene, water, unfltrd µg/L (85795)	Naphth- alene, water, unfltrd µg/L (34696)	Methyl n-butyl ketone, water, unfltrd µg/L (77103)	n-Butyl benzene water, unfltrd µg/L (77342)	n- Propyl- benzene water, unfltrd µg/L (77224)	o- Xylene, water, unfltrd µg/L (77135)
Sep 03...	<.40mc	<.4	<.04	<.2	<.6	<.2	<.06	<.08	<.2	<.6	<.1	<.04	<.04

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**WATER-QUALITY DATA**  
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[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; m, value is highly variable by this method; n, below the LRL and above the LT-MDL; t, below the long-term MDL.]

Date	sec-Butyl-benzene water, unfltrd µg/L (77350)	Styrene water, unfltrd µg/L (77128)	t-Butyl 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)
Sep 03...	<.04	<.04	<.04	<.1	<.06	<.04	<.08	<1	E.02b	<.02	<.10	<.6	<.02

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

Part 20 of 20

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Date	Tri-chloro-fluoro-methane water, unfltrd µg/L (34488)	Tri-chloro-methane water, unfltrd µg/L (32106)	Vinyl chloride, water, unfltrd µg/L (39175)	Di-chloro-vos, water, fltrd, µg/L (38775)
Sep 03...	<.08	<.02	<.1	<.01mc