

Water-Data Report 2011

**404437073535401 Local number Q 3648. 1**

Northern Atlantic Coastal Plain aquifer system  
Glacial Aquifer, Upper

Queens County, NY

LOCATION.--Lat 40°44'38.3", long 73°53'52.3" referenced to North American Datum of 1983, Queens County, NY, Hydrologic Unit 02030201, at east side of 66th Street, 200 ft south of intersection with 67th and 41st Avenue, Woodside.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 90 ft. Upper casing diameter 2 in; top of first opening 80 ft, bottom of last opening 85 ft.

DATUM.--Land-surface datum is 78.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.59 ft below land-surface datum.

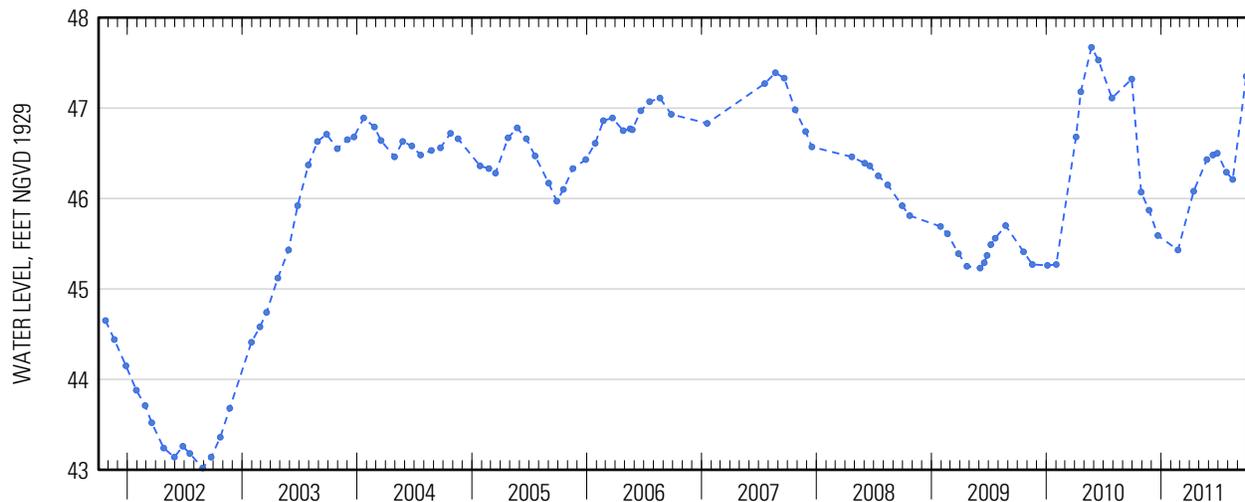
PERIOD OF RECORD.--April 1993 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.67 ft above sea level, May 24, 2010; lowest measured, 43.02 ft above sea level, August 28, 2002.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level	Date	Water level
Oct 29	46.07	Jun 14	46.48
Nov 23	45.87	28	46.50
Dec 21	45.59	Jul 27	46.29
Feb 23	45.43	Aug 16	46.21
Apr 14	46.08	Sep 28	47.35
May 26	46.43		



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## WATER-QUALITY RECORDS

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 28

[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °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)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Calcium, water, unfiltered, recoverable, mg/L (00916)	Magnesium, water, unfiltered, recoverable, mg/L (00927)
06-14-2011	0930	6.7	6.7	1,110	17.3	13	585	89.1	33.6

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Potassium, water, unfiltered, recoverable, mg/L (00937)	Sodium, water, unfiltered, recoverable, mg/L (00929)	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as CaCO <sub>3</sub> (90410)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO <sub>2</sub> (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)
06-14-2011	0930	2.45	74.5	184	157	0.08	27.0	71.7	< .010	9.64

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**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Barium, water, unfiltered, recoverable, µg/L (01007)	Cadmium, water, unfiltered, recoverable, µg/L (01027)	Chromium, water, unfiltered, recoverable, µg/L (01034)	Copper, water, unfiltered, recoverable, µg/L (01042)	Iron, water, filtered, µg/L (01046)	Iron, water, unfiltered, recoverable, µg/L (01045)	Lead, water, unfiltered, recoverable, µg/L (01051)
06-14-2011	0930	< .001	0.018	90.0	0.052	7.1	6.5	19.9	4,230	3.36

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Manganese, water, filtered, µg/L (01056)	Manganese, water, unfiltered, recoverable, µg/L (01055)	Mercury, water, unfiltered, recoverable, µg/L (71900)	Silver, water, unfiltered, recoverable, µg/L (01077)	Zinc, water, unfiltered, recoverable, µg/L (01092)	Arsenic, water, unfiltered, µg/L (01002)	Selenium, water, unfiltered, µg/L (01147)	1,2,3-Trichloropropane, water, unfiltered, recoverable, µg/L (77443)	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, µg/L (82625)
06-14-2011	0930	26.7	188	< .005	0.059	9.5	1.7	3.64	< .120	< .400

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	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)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49295)	2,4,6-Trichlorophenol, water, unfiltered, recoverable, µg/L (34621)	2,4-Dichlorophenol, water, unfiltered, recoverable, µg/L (34601)	2,4-Dimethylphenol, water, unfiltered, recoverable, µg/L (34606)
06-14-2011	0930	< .028	< .08	< .0260	< .06	< .026	< .0360	< .34	< .36	< .8

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**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	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-triazine, water, filtered, recoverable, µg/L (04040)	2-Ethyl-6-methyl-aniline, water, filtered, recoverable, µg/L (61620)	2-Methyl-4,6-dinitro-phenol, water, unfiltered, recoverable, µg/L (34657)	3,4-Dichloro-aniline, water, filtered, recoverable, µg/L (61625)	3-Chloro-propene, water, unfiltered, recoverable, µg/L (78109)	4-Chloro-2-methyl-phenol, water, filtered, recoverable, µg/L (61633)	4-Chloro-3-methyl-phenol, water, filtered, recoverable, µg/L (34452)
06-14-2011	0930	< .0060	< .010	< .006	< .010	< 2	< .0042	< .08	< .0046	< .54

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	4-Nitro-phenol, water, unfiltered, recoverable, µg/L (34646)	Aceto-chlor, water, filtered, recoverable, µg/L (49260)	Acrylo-nitrile, water, unfiltered, recoverable, µg/L (34215)	Alachlor, water, filtered, recoverable, µg/L (46342)	Aldrin, water, unfiltered, recoverable, µg/L (39330)	alpha-Endo-sulfan, water, unfiltered, recoverable, µg/L (39388)	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)
06-14-2011	0930	< .52	< .010	< .80	< .008	< .013	< .012	< .008	< .042	< .120

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**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Benfluralin,	Bromo-	Carbaryl,	Carbon	Chlordane	Chlorpyrifos	Chlor-	cis-1,3-Di-
		water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)	methane, water, unfiltered, recover- able, µg/L (34413)	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82680)	disulfide, water, unfiltered, µg/L (77041)	(techni- cal), water, unfiltered, recover- able, µg/L (39350)	oxygen analog, water, filtered, recoverable, µg/L (61636)	pyrifos, water, filtered, recover- able, µg/L (38933)	chloro- propene, water, unfiltered, recover- able, µg/L (34704)
06-14-2011	0930	< .014	< .2	< .060	< .1	< .1	< .06	< .0036	< .10

**WATER-QUALITY DATA**  
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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	cis-		DCPA,	Desulfinyl-	Desulfinyl-	Diazinon,	Dichlor-	Dicroto-	
		Permeth- rin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82687)	Cyfluthrin, water, filtered, recover- able, µg/L (61585)	water, filtered, recover- able, µg/L (61586)	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82682)	fipronil amide, water, filtered, recover- able, µg/L (62169)	fipronil, water, filtered, recover- able, µg/L (62170)	water, filtered, recover- able, µg/L (39572)	vos, water, filtered, recover- able, µg/L (38775)	phos, water, filtered, recover- able, µg/L (38454)
06-14-2011	0930	< .010	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04	< .08

**WATER-QUALITY DATA**  
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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Dieldrin,	Dieldrin,	Dimetho-	Endrin,	Ethion	Ethion,	Fenami-	Fenami-	Fenami-
		water, filtered, recover- able, µg/L (39381)	water, unfiltered, recover- able, µg/L (39380)	ate, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82662)	water, unfiltered, recover- able, µg/L (39390)	monoxon, water, filtered, recover- able, µg/L (61644)	water, filtered, recover- able, µg/L (82346)	sulfone, water, filtered, recover- able, µg/L (61645)	sulfoxide, water, filtered, recover- able, µg/L (61646)	phos, water, filtered, recover- able, µg/L (61591)
06-14-2011	0930	< .008	< .008	< .0060	< .012	< .021	< .008	< .054	< .08	< .030

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**WATER-QUALITY DATA**  
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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	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)	Heptachlor epoxide, water, unfiltered, recoverable, µg/L (39420)	Heptachlor, water, unfiltered, recoverable, µg/L (39410)	Hexachlorobenzene, water, unfiltered, recoverable, µg/L (39700)	Hexazinone, water, filtered, recoverable, µg/L (04025)	Iodomethane, water, unfiltered, recoverable, µg/L (77424)
06-14-2011	0930	< .012	< .024	< .018	< .0048	< .009	< .008	< .30	< .008	< .26

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Iprodione, water, filtered, recoverable, µg/L (61593)	Isofenphos, water, filtered, recoverable, µg/L (61594)	Lindane, water, unfiltered, recoverable, µg/L (39340)	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 parathion, water, filtered, recoverable, µg/L (61664)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82667)
06-14-2011	0930	< .014	< .006	< .014	< .022	< .016	< .014	< .012	< .014	< .008

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Metolachlor, water, filtered, recoverable, µg/L (39415)	Metribuzin, water, filtered, recoverable, µg/L (82630)	Mirex, water, unfiltered, recoverable, µg/L (39755)	Myclobutanil, water, filtered, recoverable, µg/L (61599)	p,p'-DDD, water, unfiltered, recoverable, µg/L (39360)	p,p'-DDE, water, unfiltered, recoverable, µg/L (39365)	p,p'-DDT, water, unfiltered, recoverable, µg/L (39370)	p,p'-Methoxychlor, water, unfiltered, recoverable, µg/L (39480)	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82683)
06-14-2011	0930	< .020	< .012	< .0060	< .010	< .016	< .014	< .010	< .002	< .012

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**WATER-QUALITY DATA**  
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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Penta-chloro-phenol, water, unfiltered, recoverable, µg/L (39032)	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)	Phosmet, water, filtered, recoverable, µg/L (61601)	Prometon, water, filtered, recoverable, µg/L (04037)	Prometryn, water, filtered, recoverable, µg/L (04036)	Propyz-amide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82676)	Simazine, water, filtered, recoverable, µg/L (04035)
06-14-2011	0930	< .6	< .027	< .020	< .0511	< .140	< .012	< .006	< .0036	< .006

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Tebu-thiuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82670)	Terbufos oxygen 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)	Toxa-phene, water, unfiltered, recoverable, µg/L (39400)	trans-1,3-Dichloro-propene, water, unfiltered, recoverable, µg/L (34699)	Tribuphos, water, filtered, recoverable, µg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82661)	PCBs, water, unfiltered, recoverable, µg/L (39516)
06-14-2011	0930	< .028	< .045	< .018	< .006	< 1	< .14	< .018	< .018	< .1

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**WATER-QUALITY DATA**  
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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

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-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)
06-14-2011	0930	< .040	< .030	< .14	< .034	< .028	< .044	< .022	< .040	< .10

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**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

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)	1,2-Diphenyl-hydrazine, water, unfiltered, recoverable, µg/L (82626)	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77226)	1,3-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34566)
06-14-2011	0930	< .080	< .06	< .060	< .08	< .032	< .028	< .30	< .032	< .024

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	2,2-Di-chloro-propane, water, unfiltered, recoverable, µg/L (77170)	2,4-Dinitro-phenol, water, unfiltered, recoverable, µg/L (34616)	2,4-Dinitro-toluene, water, unfiltered, recoverable, µg/L (34611)	2,6-Dinitro-toluene, water, unfiltered, recoverable, µg/L (34626)	2-Chloro-naphthalene, water, unfiltered, recoverable, µg/L (34581)	2-Chloro-phenol, water, unfiltered, recoverable, µg/L (34586)	2-Chloro-toluene, water, unfiltered, recoverable, µg/L (77275)	2-Ethyl-toluene, water, unfiltered, recoverable, µg/L (77220)	2-Nitro-phenol, water, unfiltered, recoverable, µg/L (34591)
06-14-2011	0930	< .06	< 2	< .56	< .4	< .16	< .26	< .028	< .032	< .4

## 404437073535401 Local number Q 3648. 1—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	3,3'-Dichlorobenzidine, water, unfiltered, recoverable, µg/L (34631)	4-Bromophenyl ether, water, unfiltered, recoverable, µg/L (34636)	4-Chlorophenyl ether, water, unfiltered, recoverable, µg/L (34641)	4-Chlorotoluene, water, unfiltered, recoverable, µg/L (77277)	4-Iso-propyltoluene, water, unfiltered, recoverable, µg/L (77356)	9H-Fluorene, water, unfiltered, recoverable, µg/L (34381)	Acenaphthene, water, unfiltered, recoverable, µg/L (34205)	Acenaphthylene, water, unfiltered, recoverable, µg/L (34200)	Acetone, water, unfiltered, recoverable, µg/L (81552)
06-14-2011	0930	< .42	< .24	< .34	< .042	< .06	< .34	< .28	< .30	< 3.4

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Anthracene, water, unfiltered, recoverable, µg/L (34220)	Benzene, water, unfiltered, recoverable, µg/L (34030)	Benzo[a]anthracene, water, unfiltered, recoverable, µg/L (34526)	Benzo[a]pyrene, water, unfiltered, recoverable, µg/L (34247)	Benzo[a]fluoranthene, water, unfiltered, recoverable, µg/L (34230)	Benzo[ghi]perylene, water, unfiltered, recoverable, µg/L (34521)	Benzo[k]fluoranthene, water, unfiltered, recoverable, µg/L (34242)	Benzyl n-butyl phthalate, water, unfiltered, recoverable, µg/L (34292)	Bis(2-chloroethoxy)methane, water, unfiltered, recoverable, µg/L (34278)
06-14-2011	0930	0.01	< .026	< .26	< .32	< .30	< .38	< .30	< 1.8	< .24

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Bis(2-chloroethyl) ether, water, unfiltered, recoverable, µg/L (34273)	Bis(2-chloroisopropyl) ether, water, unfiltered, recoverable, µg/L (34283)	Bis(2-ethylhexyl) phthalate, water, unfiltered, recoverable, µg/L (39100)	Bromobenzene, water, unfiltered, recoverable, µg/L (81555)	Bromo-chloromethane, water, unfiltered, recoverable, µg/L (77297)	Bromo-dichloromethane, water, unfiltered, recoverable, µg/L (32101)	Bromoethene, water, unfiltered, recoverable, µg/L (50002)	Chlorobenzene, water, unfiltered, recoverable, µg/L (34301)	Chloroethane, water, unfiltered, recoverable, µg/L (34311)
06-14-2011	0930	< .30	< .14	< 2.6	< .022	< .06	< .034	< .12	< .026	< .06

## 404437073535401 Local number Q 3648. 1—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 22 of 28

[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Chloro-	Chrysene,	Dibenzo-	Dibromo-	Dibromo-	Dichloro-	Dichloro-	Diethyl	
		methane,	water,	cis-1,2-Di-	chloro-	chloro-	methane,	methane,	methane,	ether,
		water,	water,	chloro-	methane,	methane,	methane,	methane,	water,	
		unfiltered,	unfiltered,	ethene,	water,	water,	water,	water,	unfiltered,	
		recover-	recover-	water,	unfiltered,	unfiltered,	unfiltered,	unfiltered,	recover-	
		able,	able,	recover-	recover-	recover-	recover-	recover-	able,	
		µg/L	µg/L	able,	able,	able,	able,	able,	µg/L	
		(34418)	(34320)	µg/L	µg/L	µg/L	µg/L	µg/L	(81576)	
		(77093)	(34556)	(32105)	(30217)	(34668)	(34423)	(81576)		
06-14-2011	0930	< .1	< .32	< .022	< .42	< .12	< .050	< .10	< .04	< .1

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 23 of 28

[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Diethyl	Diiso-	Dimethyl	Di-n-butyl	Di-n-octyl	Ethyl	Ethyl	Ethyl-	Fluoran-
		phthalate,	propyl	phthalate,	phthalate,	phthalate,	metha-	methyl	benzene,	thene,
		water,	ether,	water,	water,	water,	crylate,	ketone,	water,	water,
		unfiltered,	water,	unfiltered,	unfiltered,	unfiltered,	water,	water,	unfiltered,	unfiltered,
		recover-	unfiltered,	recover-	recover-	recover-	recover-	recover-	recover-	recover-
		able,	recover-	able,	able,	able,	able,	able,	able,	able,
		µg/L	able,	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		(34336)	(81577)	(34341)	(39110)	(34596)	(73570)	(81595)	(34371)	(34376)
06-14-2011	0930	E .11	< .06	< .36	< 2.00	< .6	< .20	< 1.6	< .036	< .30

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Hexa-	Hexa-	Hexa-	Indeno-	Isobutyl	Iso-	Isopropyl-	Methyl	Methyl
		chloro-	chloro-	chloro-	[1,2,3-cd]-	methyl	phorone,	benzene,	acetate,	acrylate,
		butadiene,	cyclo-	ethane,	pyrene,	ketone,	water,	water,	water,	water,
		unfiltered,	penta-	unfiltered,	water,	unfiltered,	unfiltered,	unfiltered,	unfiltered,	unfiltered,
		recover-	diene,	recover-	unfiltered,	recover-	recover-	recover-	recover-	recover-
		able,	water,	able,	recover-	able,	able,	able,	able,	able,
		µg/L	unfiltered,	µg/L	able,	µg/L	µg/L	µg/L	µg/L	µg/L
		(39702)	recover-	(34386)	(34403)	(78133)	(34408)	(77223)	(77032)	(49991)
		(34386)	able,	(34396)	(34403)	(78133)	(34408)	(77223)	(77032)	(49991)
06-14-2011	0930	< .08	< .50	< .22	< .38	< .32	< .26	< .042	< .46	< .8

## 404437073535401 Local number Q 3648. 1—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Methyl acrylonitrile, water, unfiltered, recoverable,	Methyl methacrylate, water, unfiltered, recoverable,	Methyl tert-butyl ether, water, unfiltered, recoverable,	Methyl tert-pentyl ether, water, unfiltered, recoverable,	Methylene blue active substances, water, unfiltered, recoverable,	m-Xylene plus p-xylene, water, unfiltered, recoverable,	Naphthalene, water, unfiltered, recoverable,	n-Butyl methyl ketone, water, unfiltered, recoverable,	n-Butylbenzene, water, unfiltered, recoverable,
		(81593) µg/L	(81597) µg/L	(78032) µg/L	(50005) µg/L	(38260) mg/L	(85795) µg/L	(34696) µg/L	(77103) µg/L	(77342) µg/L
06-14-2011	0930	< .26	< .22	0.04	< .06	< .050	< .08	< .18	< .4	< .08

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Nitrobenzene, water, unfiltered, recoverable,	N-Nitrosodimethylamine, water, unfiltered, recoverable,	N-Nitrosodipropylamine, water, unfiltered, recoverable,	N-Nitrosodiphenylamine, water, unfiltered, recoverable,	n-Propylbenzene, water, unfiltered, recoverable,	o-Xylene, water, unfiltered, recoverable,	Phenanthrene, water, unfiltered, recoverable,	Phenol, water, unfiltered, recoverable,	Pyrene, water, unfiltered, recoverable,
		(34447) µg/L	(34438) µg/L	(34428) µg/L	(34433) µg/L	(77224) µg/L	(77135) µg/L	(34461) µg/L	(34694) µg/L	(34469) µg/L
06-14-2011	0930	< 0.26	< .24	< .4	< .28	< .036	< .032	< .32	< .28	< .36

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 27 of 28

[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	sec-Butylbenzene, water, unfiltered, recoverable,	Styrene, water, unfiltered, recoverable,	tert-Amyl alcohol, water, unfiltered, recoverable,	tert-Butyl alcohol, water, unfiltered, recoverable,	tert-Butyl ethyl ether, water, unfiltered, recoverable,	tert-Butylbenzene, water, unfiltered, recoverable,	Tetra-chloroethene, water, unfiltered, recoverable,	Tetra-chloromethane, water, unfiltered, recoverable,	Tetrahydrofuran, water, unfiltered, recoverable,
		(77350) µg/L	(77128) µg/L	(77073) µg/L	(77035) µg/L	(50004) µg/L	(77353) µg/L	(34475) µg/L	(32102) µg/L	(81607) µg/L
06-14-2011	0930	< .034	< .042	< .6	< .80	< .032	< .060	0.017	0.18	< 1.4

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**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 28 of 28

[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

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)	Vinyl chloride, water, unfiltered, recoverable, µg/L (39175)
06-14-2011	0930	< .02	< .018	< .4	< .10	< .022	< .06	0.48	< .06