

Water-Data Report 2011

403326074091801 Local number R 141.1

Northern Atlantic Coastal Plain aquifer system
Raritan Formation

Richmond County, NY

LOCATION.--Lat 40°33'25.8", long 74°09'17.9" referenced to North American Datum of 1983, Richmond County, NY, Hydrologic Unit 02030104, at northeast corner of Everton Avenue and Leverett Avenue, northernmost well, Great Kills, Staten Island.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 66 ft. Upper casing diameter 4 in; top of first opening 61 ft, bottom of last opening 66 ft.

DATUM.--Land-surface datum is 44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.20 ft below land-surface datum.

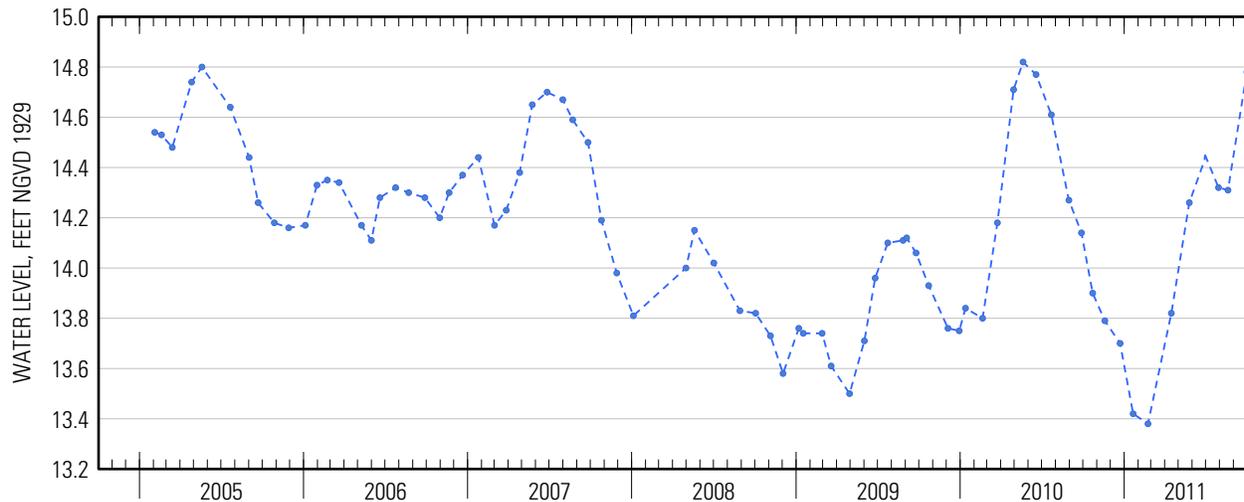
PERIOD OF RECORD.--February 2005 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.82 ft above sea level, May 20, 2010; lowest measured, 13.38 ft above sea level, February 22, 2011.

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

Date	Water level	Date	Water level
Oct 22	13.90	May 25	14.26
Nov 18	13.79	Jun 28	14.43
Dec 22	13.70	29	14.45
Jan 20	13.42	Jul 29	14.32
Feb 22	13.38	Aug 19	14.31
Apr 15	13.82	Sep 30	14.78



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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; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Dissolved oxygen, unfiltered, water, 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, unfiltered, recoverable, mg/L (00916)	Magnesium, water, unfiltered, recoverable, mg/L (00927)	Potassium, water, unfiltered, recoverable, mg/L (00937)	Sodium, water, unfiltered, recoverable, mg/L (00929)
06-29-2011	1600	< 1.0	5.3	162	15.9	92	5.70	2.99	1.23	14.5

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as CaCO ₃ (90410)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO ₂ (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)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)
06-29-2011	1600	20.7	26.1	< .04	14.5	4.40	< .010	0.02	< .001	0.014

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Barium, water, unfiltered, recoverable, µg/L (01007)	Cadmium, water, unfiltered, 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)	Manganese, water, filtered, µg/L (01056)	Manganese, water, unfiltered, recoverable, µg/L (01055)
06-29-2011	1600	95.5	< .050	0.60	< .70	1,040	1,140	0.13	628	624

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Mercury,	Silver,	Zinc,	Arsenic,	Selenium,	1,2,3-Tri-	1,2-	1,2-	1,2-
		water,	water,	water,		water,	chloro-	chloro-	Dibromo-	Dichloro-
		unfiltered,								
		recover-								
		able,								
		µg/L								
		(71900)	(01077)	(01092)	(01002)	(01147)	(77443)	(82625)	(77651)	(32103)
06-29-2011	1600	< .005	< .015	18.4	0.24	< .050	< .120	< .400	< .028	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	1,2-	1,3-Di-	1,4-	1-	2,4,6-	2,4-	2,4-	2,6-	2-Chloro-
		Dichloro-	chloro-	Dichloro-	Naphthol,	Trichloro-	Dichloro-	Dimethyl-	Diethyl-	2'-6'-
		propane,	propane,	benzene,	water,	phenol,	phenol,	phenol,	water,	diethyl-
		unfiltered,	unfiltered,	unfiltered,	(0.7 micron	unfiltered,	unfiltered,	unfiltered,	(0.7 micron	acetanil-
		recover-	recover-	recover-	glass fiber	recover-	recover-	recover-	glass fiber	ide, water,
		able,	able,	able,	filter),	able,	able,	able,	filter),	filtered,
		µg/L	µg/L	µg/L	recover-	µg/L	µg/L	µg/L	recover-	recover-
		(34541)	(77173)	(34571)	able,	(34621)	(34601)	(34606)	able,	able,
					(49295)			(82660)	(82660)	(61618)
06-29-2011	1600	< .0260	< .06	7.18	< .0360	< .34	0.02	< .8	< .0060	< .010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	2-Chloro-4-	2-Ethyl-6-	2-Methyl-	3,4-	3-Chloro-	4-Chloro-2-	4-Chloro-3-	4-Nitro-	Aceto-
		isopropyl-	methyl-	phenol,	Dichloro-	propene,	methyl-	methyl-	phenol,	chlor-
		amino-6-	amino-	4,6-dinitro-	aniline,	water,	phenol,	phenol,	water,	water,
		triazine,	aniline,	phenol,	water,	unfiltered,	water,	water,	unfiltered,	filtered,
		filtered,	filtered,	unfiltered,	filtered,	recover-	filtered,	filtered,	unfiltered,	filtered,
		recover-	recover-	recover-	recover-	able,	recover-	recover-	recover-	recover-
		able,	able,	able,	able,	able,	able,	able,	able,	able,
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		(04040)	(61620)	(34657)	(61625)	(78109)	(61633)	(34452)	(34646)	(49260)
06-29-2011	1600	< .006	< .010	< 2	< .0042	< .08	E .0037	< .54	< .52	< .010

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WATER-QUALITY DATA
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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Acrylonitrile, water, unfiltered, recoverable, µg/L (34215)	Alachlor, water, filtered, recoverable, µg/L (46342)	Aldrin, water, unfiltered, recoverable, µg/L (39330)	alpha-Endosulfan, 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)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)	Bromomethane, water, unfiltered, recoverable, µg/L (34413)
06-29-2011	1600	< .80	< .008	< .013	< .012	< .008	< .042	< .120	< .014	< .2

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)	Carbon disulfide, water, unfiltered, recoverable, µg/L (77041)	Chlordane (technical), water, unfiltered, recoverable, µg/L (39350)	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636)	Chlorpyrifos, water, filtered, recoverable, µg/L (38933)	cis-1,3-Dichloropropene, water, unfiltered, recoverable, µg/L (34704)	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)	Cyfluthrin, water, filtered, recoverable, µg/L (61585)	Cypermethrin, water, filtered, recoverable, µg/L (61586)
06-29-2011	1600	< .060	< .1	< .1	< .06	< .0036	< .10	< .010	< .016	< .020

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682)	Desulfinylfipronil amide, water, filtered, recoverable, µg/L (62169)	Desulfinylfipronil, water, filtered, recoverable, µg/L (62170)	Diazinon, water, filtered, recoverable, µg/L (39572)	Dichlorvos, water, filtered, recoverable, µg/L (38775)	Dicrotophos, water, filtered, recoverable, µg/L (38454)	Dieldrin, water, filtered, recoverable, µg/L (39381)	Dieldrin, water, unfiltered, recoverable, µg/L (39380)	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82662)
06-29-2011	1600	< .0076	< .029	< .012	< .0060	< .04	< .08	< .008	< .008	< .0060

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WATER-QUALITY DATA
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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Endrin, water, unfiltered, recoverable, µg/L (39390)	Ethion monoxon, water, filtered, recoverable, µg/L (61644)	Ethion, water, filtered, recoverable, µg/L (82346)	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)
06-29-2011	1600	< .012	< .021	< .008	< .054	< .08	< .030	< .012	< .024	< .018

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	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)	Iprodione, water, filtered, recoverable, µg/L (61593)	Isofenphos, water, filtered, recoverable, µg/L (61594)	Lindane, water, unfiltered, recoverable, µg/L (39340)
06-29-2011	1600	< .0048	< .009	< .008	< .30	< .008	< .26	< .014	< .006	< .014

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	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)	Metolachlor, water, filtered, recoverable, µg/L (39415)	Metribuzin, water, filtered, recoverable, µg/L (82630)	Mirex, water, unfiltered, recoverable, µg/L (39755)
06-29-2011	1600	< .022	< .016	< .014	< .012	< .014	< .008	< .020	< .012	< .0060

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WATER-QUALITY DATA
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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Myclobutanol, 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)	Pentachlorophenol, 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)
06-29-2011	1600	< .010	< .016	< .014	< .010	< .002	< .012	< .6	< .027	< .020

WATER-QUALITY DATA
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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

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)	Propylamide, 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)	Terbufos oxygen analog sulfone, water, filtered, recoverable, µg/L (61674)	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82675)
06-29-2011	1600	< .0511	< .140	< .012	< .006	< .0036	< .006	< .028	< .045	< .018

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Terbutylazine, water, filtered, recoverable, µg/L (04022)	Toxaphene, water, unfiltered, recoverable, µg/L (39400)	trans-1,3-Dichloropropene, 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)	1,1,1,2-Tetrachloroethane, 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)
06-29-2011	1600	< .006	< 1	< .14	< .018	< .018	< .1	< .040	< .030	< .14

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WATER-QUALITY DATA
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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	1,1,2-Tri-chloro-1,2-trifluoroethane, water, unfiltered, recoverable, µg/L (77652)	1,1,2-Tri-chloroethane, water, unfiltered, recoverable, µg/L (34511)	1,1-Di-chloroethane, water, unfiltered, recoverable, µg/L (34496)	1,1-Di-chloroethene, 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)	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)
06-29-2011	1600	< .034	< .028	0.866	0.021	< .040	< .10	< .080	0.13	< .060

WATER-QUALITY DATA
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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	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)	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)
06-29-2011	1600	0.75	< .032	9.62	< .30	< .032	7.98	< .06	< 2	< .56

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	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)	3,3'-Dichloro-benzidine, water, unfiltered, recoverable, µg/L (34631)	4-Bromo-phenyl ether, water, unfiltered, recoverable, µg/L (34636)	4-Chloro-phenyl ether, water, unfiltered, recoverable, µg/L (34641)
06-29-2011	1600	< .4	< .16	< .26	< .028	< .032	< .4	< .42	< .24	< .34

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	4-Chloro-toluene, water, unfiltered, recoverable, µg/L (77277)	4-Iso-propyl-toluene, water, unfiltered, recoverable, µg/L (77356)	9H-Fluorene, water, unfiltered, recoverable, µg/L (34381)	Acenaph-thene, water, unfiltered, recoverable, µg/L (34205)	Acenaph-thylene, water, unfiltered, recoverable, µg/L (34200)	Acetone, water, unfiltered, recoverable, µg/L (81552)	Anthra-cene, water, unfiltered, recoverable, µg/L (34220)	Benzene, water, unfiltered, recoverable, µg/L (34030)	Benzo[a]-anthra-cene, water, unfiltered, recoverable, µg/L (34526)
06-29-2011	1600	< .042	< .06	< .34	< .28	< .30	< 3.4	< .38	0.027	< .26

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Benzo[a]-pyrene, water, unfiltered, recoverable, µg/L (34247)	Benzo[a]-fluor-anthene, water, unfiltered, recoverable, µg/L (34230)	Benzo-[ghi]-perylene, water, unfiltered, recoverable, µg/L (34521)	Benzo[k]-fluoran-thene, water, unfiltered, recoverable, µg/L (34242)	Benzyl n-butyl phthalate, water, unfiltered, recoverable, µg/L (34292)	Bis(2-chloro-ethoxy)-methane, water, unfiltered, recoverable, µg/L (34278)	Bis(2-chloro-ethyl) ether, water, unfiltered, recoverable, µg/L (34273)	Bis(2-chloro-isopropyl) ether, water, unfiltered, recoverable, µg/L (34283)	Bis(2-ethylhexyl) phthalate, water, unfiltered, recoverable, µg/L (39100)
06-29-2011	1600	< .32	< .30	< .38	< .30	< 1.8	< .24	< .30	< .14	< 2.6

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	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)	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)	Chrysene, water, unfiltered, recoverable, µg/L (34320)	cis-1,2-Di-chloro-ethene, water, unfiltered, recoverable, µg/L (77093)
06-29-2011	1600	0.045	< .06	< .034	< .12	3.12	< .06	< .1	< .32	0.057

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Dibenzo- [a,h]- anthra- cene, water, unfiltered, recover- able, µg/L (34556)	Dibromo- chloro- methane, water, unfiltered, recover- able, µg/L (32105)	Dibromo- methane, water, unfiltered, recover- able, µg/L (30217)	Dichloro- difluoro- methane, water, unfiltered, recover- able, µg/L (34668)	Dichloro- methane, water, unfiltered, recover- able, µg/L (34423)	Diethyl ether, water, unfiltered, recover- able, µg/L (81576)	Diethyl phthalate, water, unfiltered, recover- able, µg/L (34336)	Diiso- propyl ether, water, unfiltered, recover- able, µg/L (81577)	Dimethyl phthalate, water, unfiltered, recover- able, µg/L (34341)
06-29-2011	1600	< .42	< .12	< .050	< .10	< .04	< .1	< .62	< .06	< .36

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Di-n-butyl phthalate, water, unfiltered, recover- able, µg/L (39110)	Di-n-octyl phthalate, water, unfiltered, recover- able, µg/L (34596)	Ethyl metha- crylate, water, unfiltered, recover- able, µg/L (73570)	Ethyl methyl ketone, water, unfiltered, recover- able, µg/L (81595)	Ethyl- benzene, water, unfiltered, recover- able, µg/L (34371)	Fluoran- thene, water, unfiltered, recover- able, µg/L (34376)	Hexa- chloro- butadiene, water, unfiltered, recover- able, µg/L (39702)	Hexa- chloro- cyclo- penta- diene, water, unfiltered, recover- able, µg/L (34386)	Hexa- chloro- ethane, water, unfiltered, recover- able, µg/L (34396)
06-29-2011	1600	< 2.00	< .6	< .20	< 1.6	< .036	< .30	< .08	< .50	< .22

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Indeno- [1,2,3-cd]- pyrene, water, unfiltered, recover- able, µg/L (34403)	Isobutyl methyl ketone, water, unfiltered, recover- able, µg/L (78133)	Iso- phorone, water, unfiltered, recover- able, µg/L (34408)	Isopropyl- benzene, water, unfiltered, recover- able, µg/L (77223)	Methyl acetate, water, unfiltered, recover- able, µg/L (77032)	Methyl acrylate, water, unfiltered, recover- able, µg/L (49991)	Methyl acrylo- nitrile, water, unfiltered, recover- able, µg/L (81593)	Methyl metha- crylate, water, unfiltered, recover- able, µg/L (81597)	Methyl tert-butyl ether, water, unfiltered, recover- able, µg/L (78032)
06-29-2011	1600	< .38	< .32	< .26	< .042	< .46	< .8	< .26	< .22	< .10

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Methylene	Methyl	m-Xylene	Naphtha-	n-Butyl	n-Butyl-	Nitro-	N-Nitro-	N-Nitro-
		blue active	tert-pentyl	plus p-	lene,	methyl	benzene,	benzene,	sodi-	sodi-n-
		water,	ether,	water,						
		unfiltered,	water,	unfiltered,						
		recover-								
		able,								
		µg/L								
		(50005)	(38260)	(85795)	(34696)	(77103)	(77342)	(34447)	(34438)	(34428)
06-29-2011	1600	< .06	0.075	< .08	< .18	< .4	< .08	< 0.26	< .24	< .4

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	N-Nitro-	n-Propyl-	Phenan-	Phenol,	Pyrene,	sec-Butyl-	Styrene,	tert-Amyl	
		sodi-	benzene,	threne,	water,	water,	benzene,	water,	alcohol,	
		phenyl-	water,	water,	unfiltered,	unfiltered,	unfiltered,	unfiltered,	water,	
		amine,	unfiltered,	unfiltered,	recover-	recover-	recover-	recover-	unfiltered,	
		water,	recover-	recover-	able,	able,	able,	able,	recover-	
		unfiltered,	able,	able,	µg/L	µg/L	µg/L	µg/L	µg/L	
		recover-	(77224)	(77135)	(34461)	(34694)	(34469)	(77350)	(77128)	
		able,							(77073)	
		µg/L								
		(34433)								
06-29-2011	1600	< .28	< .036	< .032	< .32	< .28	< .36	< .034	< .042	< .6

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	tert-Butyl	tert-Butyl	tert-Butyl-	Tetra-	Tetra-	Tetra-	trans-1,2-	trans-1,4-	
		alcohol,	ethyl ether,	benzene,	chloro-	chloro-	hydro-	Dichloro-	Dichloro-	
		water,	water,	water,	ethene,	methane,	furan,	ethene,	2-butene,	
		unfiltered,	unfiltered,	unfiltered,	water,	water,	water,	water,	water,	
		recover-	recover-	recover-	unfiltered,	unfiltered,	unfiltered,	unfiltered,	unfiltered,	
		able,	able,	able,	recover-	recover-	recover-	recover-	recover-	
		µg/L	µg/L	µg/L	able,	able,	able,	able,	able,	
		(77035)	(50004)	(77353)	µg/L	µg/L	µg/L	µg/L	µg/L	
					(34475)	(32102)	(81607)	(34010)	(34546)	
									(73547)	
06-29-2011	1600	< .80	< .032	< .060	0.151	< .06	< 1.4	< .02	< .018	< .4

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Tribromo-	Trichloro-	Trichloro-	Trichloro-	Vinyl
		methane, water, unfiltered, recover- able, μg/L (32104)	ethene, water, unfiltered, recover- able, μg/L (39180)	fluoro- methane, water, unfiltered, recover- able, μg/L (34488)	methane, water, unfiltered, recover- able, μg/L (32106)	chloride, water, unfiltered, recover- able, μg/L (39175)
06-29-2011	1600	< .10	0.102	< .06	0.01	< .06