

Water-Data Report 2009

01302050 ALLEY CREEK NEAR OAKLAND GARDENS, NY

Long Island Basin
Northern Long Island Subbasin

LOCATION.--Lat 40°45'21", long 73°44'47" referenced to North American Datum of 1927, Queens County, NY, Hydrologic Unit 02030201, on right bank just upstream from Cross Island Parkway entrance ramp, at upstream side of culvert in Alley Pond Park, about 4.0 mi northeast of Oakland Gardens.

DRAINAGE AREA.--0.68 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1993 to September 2006, August 2007 to current year.

REVISED RECORDS.--WDR NY-08-02: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5.26 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 354 ft³/s, Oct. 19, 1996, gage height, 5.09 ft, from rating curve extended above 60 ft³/s; maximum gage height, 6.17 ft, Oct. 19, 1996, backwater from high tide; minimum discharge, 0.66 ft³/s, part or all of many days 1995-97, Mar. 27, 2003, June 17-19, 21-24, 2004, all result of regulation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 89 ft³/s, June 12, gage height, 2.61 ft; maximum gage height, 2.98 ft, Oct. 28, backwater from high tide; minimum discharge, 1.7 ft³/s, part or all of each day May 20-23, Aug. 21; minimum gage height, 0.26 ft, Aug. 21.

01302050 ALLEY CREEK NEAR OAKLAND GARDENS, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e3.5	2.7	e3.4	2.5	2.5	2.4	2.4	2.6	2.0	3.2	3.5	3.0
2	2.8	2.7	2.6	2.5	2.5	e3.1	2.4	2.3	2.0	e4.2	4.0	3.0
3	2.8	2.5	2.5	2.5	2.5	2.2	4.0	2.4	2.0	3.7	3.4	3.0
4	2.8	2.4	2.5	2.4	2.4	2.2	2.7	2.4	3.2	3.6	3.3	3.0
5	2.8	2.6	2.5	2.4	2.3	2.2	2.5	2.5	e2.6	3.4	3.3	3.0
6	2.8	3.0	2.5	2.4	2.2	2.2	e3.5	3.4	2.2	3.4	3.3	3.0
7	2.8	2.8	2.5	e5.2	2.2	2.1	2.9	4.1	1.9	e3.4	3.3	3.0
8	2.8	3.4	2.5	3.1	2.2	2.0	2.5	2.4	2.0	e3.7	3.3	3.0
9	2.8	2.7	2.5	2.6	2.2	e2.2	2.4	e4.0	4.7	3.1	3.3	2.8
10	2.8	2.5	2.6	2.3	2.2	2.2	2.4	2.1	3.1	2.5	3.1	2.6
11	2.8	2.5	e7.0	e2.6	e2.6	2.6	e3.6	2.0	3.0	2.6	2.7	e4.6
12	2.8	2.6	e7.9	2.5	3.0	2.8	2.5	1.9	7.5	3.5	2.7	3.2
13	2.8	e2.9	3.2	2.5	3.0	2.8	2.4	e1.9	3.5	3.3	2.7	3.1
14	2.8	e2.9	3.2	2.6	2.8	2.8	2.4	e2.0	3.3	3.3	2.7	3.0
15	2.9	e3.6	3.0	2.4	2.8	2.8	2.7	2.0	3.9	3.3	2.7	2.8
16	2.8	3.1	3.0	2.4	2.8	2.7	2.4	2.0	3.4	3.3	2.7	2.7
17	2.8	2.7	3.6	2.4	2.9	2.7	2.2	2.0	3.3	3.2	2.7	2.8
18	2.9	2.7	3.2	2.4	3.3	2.7	2.2	1.9	9.4	3.0	e2.8	2.8
19	3.0	2.7	3.1	2.3	3.1	2.7	2.2	1.9	3.8	2.7	e3.8	2.6
20	2.9	2.7	3.1	2.3	2.5	2.7	e5.2	1.9	3.6	2.8	e3.0	2.6
21	2.8	2.7	e4.1	2.3	2.5	2.7	3.6	1.7	e5.1	e4.0	e3.5	2.6
22	2.8	2.7	2.6	2.3	2.5	2.7	2.5	1.7	3.7	3.3	e4.8	2.5
23	2.8	2.7	2.5	2.3	2.5	2.7	2.3	e1.8	3.3	3.1	3.0	2.6
24	2.8	2.7	3.4	2.3	2.5	2.7	2.2	e2.8	3.5	3.4	3.0	2.6
25	e3.7	e3.6	3.4	2.3	2.4	2.7	2.2	2.7	3.5	2.9	3.0	2.5
26	3.4	2.7	2.7	2.3	2.4	e3.0	2.2	2.3	4.0	e4.1	3.0	2.5
27	3.0	2.7	2.7	2.3	2.4	e3.0	2.1	2.4	3.4	e3.8	2.9	4.5
28	e6.9	2.7	2.7	e3.7	2.4	2.7	2.1	2.5	3.1	3.3	3.4	3.8
29	3.0	2.7	2.7	3.0	---	3.5	1.9	e3.2	3.0	3.8	3.3	3.4
30	2.7	e3.5	2.7	2.6	---	e3.3	1.9	2.4	e3.3	3.5	3.1	3.3
31	2.7	---	2.7	2.5	---	2.4	---	2.3	---	4.5	3.0	---
Total	93.8	84.4	98.6	80.2	71.6	81.5	78.5	73.5	106.3	104.9	98.3	89.9
Mean	3.03	2.81	3.18	2.59	2.56	2.63	2.62	2.37	3.54	3.38	3.17	3.00
Max	6.9	3.6	7.9	5.2	3.3	3.5	5.2	4.1	9.4	4.5	4.8	4.6
Min	2.7	2.4	2.5	2.3	2.2	2.0	1.9	1.7	1.9	2.5	2.7	2.5

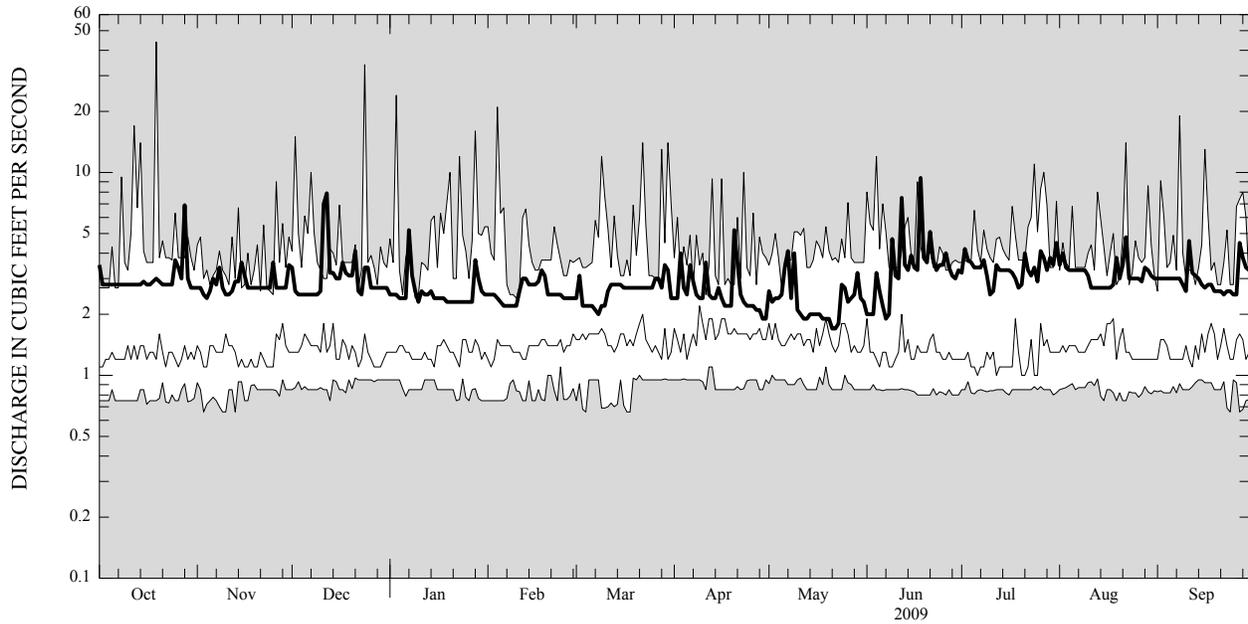
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.84	1.69	1.90	1.89	1.79	1.97	1.89	1.85	1.87	1.85	1.80	1.86
Max	4.02	3.02	3.40	3.14	3.56	3.42	3.13	3.80	3.68	4.21	3.28	3.06
(WY)	(2006)	(2008)	(2008)	(2006)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)
Min	0.93	0.96	1.02	1.18	0.93	1.07	1.04	0.98	0.94	0.93	0.95	1.10
(WY)	(2002)	(2002)	(1996)	(1997)	(1996)	(1995)	(1995)	(1995)	(1995)	(1993)	(1995)	(1995)

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SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1993 - 2009	
Annual total	1,228.1		1,061.5			
Annual mean	3.36		2.91		1.86	
Highest annual mean					3.42	2008
Lowest annual mean					1.19	2002
Highest daily mean	11	Jul 24	9.4	Jun 18	44	Oct 19, 1996
Lowest daily mean	2.4	Jan 7	1.7	May 21	0.66	Sep 24, 1995
Annual seven-day minimum	2.5	Dec 3	1.8	May 17	0.73	Sep 27, 1995
10 percent exceeds	4.1		3.6		3.3	
50 percent exceeds	3.3		2.7		1.4	
90 percent exceeds	2.7		2.2		0.95	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01302050 ALLEY CREEK NEAR OAKLAND GARDENS, NY—Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 26

[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Barometric pressure, mm Hg (00025)	Discharge, instantaneous, ft ³ /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	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), detection angle 90 +/- 30 degrees to incident light, NTU (63675)	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)
06-08-2009	1200	761	2.0	10.1	101	7.1	688	15.2	3.3	441

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	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)
06-08-2009	36.2	16.9	1.90	66.3	89	130	E .08	19.6	36.6	.036

01302050 ALLEY CREEK NEAR OAKLAND GARDENS, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	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)
06-08-2009	3.03	.011	.011	45.5	< .06	.83	< 4.0	204	541	1.31

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	1,2-Dibromoethane, water, unfiltered, recoverable, µg/L (77651)
06-08-2009	79.1	89.5	< .010	< .06	5.1	.30	.37	< .12	< 1.0	< .04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, µg/L (61618)
06-08-2009	< .1	< .02	< .1	< .02	< .04	< 0.6	< 0.39	< .8	< .006	< .010

01302050 ALLEY CREEK NEAR OAKLAND GARDENS, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	2-Chloro-4-isopropyl-amino-6-amino-s-triazine, water, filtered, recoverable, µg/L (04040)	2-Ethyl-6-methyl-aniline, water, filtered, recoverable, µg/L (61620)	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)	4-Nitro-phenol, water, unfiltered, recoverable, µg/L (34646)	Acetochlor, water, filtered, recoverable, µg/L (49260)	Acrylo-nitrile, water, unfiltered, recoverable, µg/L (34215)
06-08-2009	E .007	< .010	< 0.77	< .004	< .08	< .005	< 0.55	< 0.51	< .010	< 0.4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	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)	Bromo-methane, water, unfiltered, recoverable, µg/L (34413)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)	Carbon disulfide, water, unfiltered, µg/L (77041)
06-08-2009	< .008	< .01	< .01	.013	< .04	< .120	< .014	< .4	< .200	< .04

01302050 ALLEY CREEK NEAR OAKLAND GARDENS, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Chlordane (technical), water, unfiltered, recover- able, µg/L (39350)	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636)	Chlor- pyrifos, water, filtered, recover- able, µg/L (38933)	cis-1,3-Di- chloro- propene, water, unfiltered, recover- able, µg/L (34704)	cis- Permethrin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82687)	Cyfluthrin, water, filtered, recover- able, µg/L (61585)	Cyper- methrin, water, filtered, recover- able, µg/L (61586)	DCPA, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82682)	Desulfinyl- fipronil amide, water, filtered, recover- able, µg/L (62169)	Desulfinyl- fipronil, water, filtered, recover- able, µg/L (62170)
06-08-2009	< .1	< .05	< .010	< .10	< .014	< .016	< .020	< .006	< .029	< .012

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Diazinon, water, filtered, recover- able, µg/L (39572)	Dichlorvos, water, filtered, recover- able, µg/L (38775)	Dicroto- phos, water, filtered, recover- able, µg/L (38454)	Dieldrin, water, filtered, recover- able, µg/L (39381)	Dieldrin, water, unfiltered, recover- able, µg/L (39380)	Dimetho- ate, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82662)	Endrin, water, unfiltered, recover- able, µg/L (39390)	Ethion monoxon, water, filtered, recover- able, µg/L (61644)	Ethion, water, filtered, recover- able, µg/L (82346)	Fenami- phos sulfone, water, filtered, recover- able, µg/L (61645)
06-08-2009	< .005	< .02	< .08	< .009	< .008	< .006	< .01	< .02	< .012	< .053

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Fenami- phos sulfoxide, water, filtered, recover- able, µg/L (61646)	Fenami- phos, water, filtered, recover- able, µg/L (61591)	Fipronil sulfone, water, filtered, recover- able, µg/L (62168)	Fipronil, water, filtered, recover- able, µg/L (62166)	Fonofos, water, filtered, recover- able, µg/L (04095)	Heptachlor epoxide, water, unfiltered, recover- able, µg/L (39420)	Heptachlor, water, unfiltered, recover- able, µg/L (39410)	Hexa- chloro- benzene, water, unfiltered, recover- able, µg/L (39700)	Hexa- zinone, water, filtered, recover- able, µg/L (04025)	Iodo- methane, water, unfiltered, recover- able, µg/L (77424)
06-08-2009	< .08	< .03	< .024	< .040	< .010	< .009	< .01	< 0.30	< .008	< .80

01302050 ALLEY CREEK NEAR OAKLAND GARDENS, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Iprodione, water, filtered, recover- able, μg/L (61593)	Isofenphos, water, filtered, recover- able, μg/L (61594)	Lindane, water, unfiltered, recover- able, μg/L (39340)	Malaoxon, water, filtered, recover- able, μg/L (61652)	Malathion, water, filtered, recover- able, μg/L (39532)	Metalaxyl, water, filtered, recover- able, μg/L (61596)	Methida- thion, water, filtered, recover- able, μg/L (61598)	Methyl paraoxon, water, filtered, recover- able, μg/L (61664)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82667)	Metola- chlor, water, filtered, recover- able, μg/L (39415)
06-08-2009	< .014	< .006	< .014	< .080	< .020	< .007	< .006	< .01	< .008	< .014

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Metribuzin, water, filtered, recover- able, μg/L (82630)	Mirex, water, unfiltered, recover- able, μg/L (39755)	Myclo- butanil, water, filtered, recover- able, μg/L (61599)	p,p'-DDD, water, unfiltered, recover- able, μg/L (39360)	p,p'-DDE, water, unfiltered, recover- able, μg/L (39365)	p,p'-DDT, water, unfiltered, recover- able, μg/L (39370)	p,p'- Methoxy- chlor, water, unfiltered, recover- able, μg/L (39480)	Pendi- methalin, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82683)	Penta- chloro- phenol, water, unfiltered, recover- able, μg/L (39032)	Phorate oxygen analog, water, filtered, recover- able, μg/L (61666)
06-08-2009	< .016	< .006	< .010	< .016	< .014	< .010	< .002	< .012	< 1	< .03

01302050 ALLEY CREEK NEAR OAKLAND GARDENS, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Phorate, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82664)	Phosmet oxygen analog, water, filtered, recover- able, μg/L (61668)	Phosmet, water, filtered, recover- able, μg/L (61601)	Prometon, water, filtered, recover- able, μg/L (04037)	Prometryn, water, filtered, recover- able, μg/L (04036)	Propyz- amide, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82676)	Simazine, water, filtered, recover- able, μg/L (04035)	Tebu- thiuron, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82670)	Terbufos oxygen analog sulfone, water, filtered, recover- able, μg/L (61674)	Terbufos, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82675)
06-08-2009	< .020	< .05	< .200	< .01	< .006	< .004	E .010	< .02	< .04	< .02

WATER-QUALITY DATA
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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Terbuthyl- azine, water, filtered, recover- able, μg/L (04022)	Toxaphene, water, unfiltered, recover- able, μg/L (39400)	trans-1,3- Dichloro- propene, water, unfiltered, recover- able, μg/L (34699)	Tribuphos, water, filtered, recover- able, μg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82661)	PCBs, water, unfiltered, recover- able, μg/L (39516)	1,1,1,2- Tetra- chloro- ethane, water, unfiltered, recover- able, μg/L (77562)	1,1,1-Tri- chloro- ethane, water, unfiltered, recover- able, μg/L (34506)	1,1,2,2- Tetra- chloro- ethane, water, unfiltered, recover- able, μg/L (34516)	1,1,2-Tri- chloro- 1,2,2- trifluoro- ethane, water, unfiltered, recover- able, μg/L (77652)
06-08-2009	< .01	< 1	< .10	< .035	< .012	< .1	< .04	E .03	< .10	E .04

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	1,1,2-Trichloroethane, water, unfiltered, recoverable, µg/L (34511)	1,1-Dichloroethane, water, unfiltered, recoverable, µg/L (34496)	1,1-Dichloroethene, water, unfiltered, recoverable, µg/L (34501)	1,1-Dichloropropene, water, unfiltered, recoverable, µg/L (77168)	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, µg/L (49999)	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, µg/L (50000)	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, µg/L (77613)	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, µg/L (77221)	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, µg/L (34551)	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, µg/L (77222)
06-08-2009	< .06	E .03	< .02	< .04	< .1	< .1	< .1	< .1	< 0.04	< .04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	1,2-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34536)	1,2-Diphenylhydrazine, water, unfiltered, recoverable, µg/L (82626)	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, µg/L (77226)	1,3-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34566)	2,2-Dichloropropane, water, unfiltered, recoverable, µg/L (77170)	2,4-Dinitrophenol, water, unfiltered, recoverable, µg/L (34616)	2,4-Dinitrotoluene, water, unfiltered, recoverable, µg/L (34611)	2,6-Dinitrotoluene, water, unfiltered, recoverable, µg/L (34626)	2-Chloronaphthalene, water, unfiltered, recoverable, µg/L (34581)	2-Chlorophenol, water, unfiltered, recoverable, µg/L (34586)
06-08-2009	< .02	< 0.30	< .04	< .02	< .06	< 1	< 0.6	< 0.43	< 0.2	< 0.42

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	2-Chlorotoluene, water, unfiltered, recoverable, µg/L (77275)	2-Ethyltoluene, water, unfiltered, recoverable, µg/L (77220)	2-Nitrophenol, water, unfiltered, recoverable, µg/L (34591)	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)
06-08-2009	< .02	< .02	< 0.4	< 0.4	< 0.36	< 0.34	< .02	< .06	M	M

01302050 ALLEY CREEK NEAR OAKLAND GARDENS, NY—Continued

WATER-QUALITY DATA
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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Acenaphthylene, water, unfiltered, recoverable, µg/L (34200)	Acetone, water, unfiltered, recoverable, µg/L (81552)	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)
06-08-2009	< 0.30	< 4	< 0.39	< .02	< 0.26	< 0.33	< 0.40	< 0.4	< 0.4	< 2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Bis(2-chloroethoxy)methane, water, unfiltered, recoverable, µg/L (34278)	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)	Bromochloromethane, water, unfiltered, recoverable, µg/L (77297)	Bromodichloromethane, 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)
06-08-2009	< 0.2	< 0.30	< 0.38	< 2	< .02	< .06	< .04	< .1	< .02	< .1

WATER-QUALITY DATA
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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Chloromethane, water, unfiltered, recoverable, µg/L (34418)	Chrysene, water, unfiltered, recoverable, µg/L (34320)	cis-1,2-Dichloroethene, water, unfiltered, recoverable, µg/L (77093)	Dibenzo[a,h]anthracene, water, unfiltered, recoverable, µg/L (34556)	Dibromochloromethane, water, unfiltered, recoverable, µg/L (32105)	Dibromomethane, water, unfiltered, recoverable, µg/L (30217)	Dichlorodifluoromethane, water, unfiltered, recoverable, µg/L (34668)	Dichloromethane, water, unfiltered, recoverable, µg/L (34423)	Diethyl ether, water, unfiltered, recoverable, µg/L (81576)	Diethyl phthalate, water, unfiltered, recoverable, µg/L (34336)
06-08-2009	< .1	< 0.33	E .01	< 0.4	< .1	< .04	< .10	< 0.04	< .1	< 0.61

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WATER-QUALITY DATA
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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Diisopropyl ether, water, unfiltered, recoverable, µg/L (81577)	Dimethyl phthalate, water, unfiltered, recoverable, µg/L (34341)	Di-n-butyl phthalate, water, unfiltered, recoverable, µg/L (39110)	Di-n-octyl phthalate, water, unfiltered, recoverable, µg/L (34596)	Ethyl methacrylate, water, unfiltered, recoverable, µg/L (73570)	Ethyl methyl ketone, water, unfiltered, recoverable, µg/L (81595)	Ethyl-benzene, water, unfiltered, recoverable, µg/L (34371)	Fluoranthene, water, unfiltered, recoverable, µg/L (34376)	Hexachlorobutadiene, water, unfiltered, recoverable, µg/L (39702)	Hexachlorocyclopentadiene, water, unfiltered, recoverable, µg/L (34386)
06-08-2009	< .06	< 0.4	< 1	< 0.6	< .1	< 1.6	< .04	M	< .1	< 0.4

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WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Hexachloroethane, water, unfiltered, recoverable, µg/L (34396)	Indeno[1,2,3-cd]pyrene, water, unfiltered, recoverable, µg/L (34403)	Isobutyl methyl ketone, water, unfiltered, recoverable, µg/L (78133)	Isophorone, water, unfiltered, recoverable, µg/L (34408)	Isopropylbenzene, water, unfiltered, recoverable, µg/L (77223)	Methyl acetate, water, unfiltered, recoverable, µg/L (77032)	Methyl acrylate, water, unfiltered, recoverable, µg/L (49991)	Methyl acrylonitrile, water, unfiltered, recoverable, µg/L (81593)	Methyl methacrylate, water, unfiltered, recoverable, µg/L (81597)	Methyl tert-butyl ether, water, unfiltered, recoverable, µg/L (78032)
06-08-2009	< .1	< 0.4	< .4	< 0.4	< .04	< .4	< .6	< .2	< .2	< .10

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Methyl tert-pentyl ether, water, unfiltered, recoverable, µg/L (50005)	Methylene blue active substances, water, unfiltered, recoverable, mg/L (38260)	m-Xylene plus p-xylene, water, unfiltered, recoverable, µg/L (85795)	Naphthalene, water, unfiltered, recoverable, µg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recoverable, µg/L (77103)	n-Butylbenzene, water, unfiltered, recoverable, µg/L (77342)	Nitrobenzene, water, unfiltered, recoverable, µg/L (34447)	N-Nitrosodimethylamine, water, unfiltered, recoverable, µg/L (34438)	N-Nitrosodipropylamine, water, unfiltered, recoverable, µg/L (34428)	N-Nitrosodiphenylamine, water, unfiltered, recoverable, µg/L (34433)
06-08-2009	< .06	< .10	< .08	< .2	< .6	< .1	< 0.2	< 0.2	< 0.4	< 0.4

01302050 ALLEY CREEK NEAR OAKLAND GARDENS, NY—Continued

WATER-QUALITY DATA
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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	n-Propyl- benzene, water, unfiltered, recover- able, μg/L (77224)	o-Xylene, water, unfiltered, recover- able, μg/L (77135)	Phenan- threne, water, unfiltered, recover- able, μg/L (34461)	Phenol, water, unfiltered, recover- able, μg/L (34694)	Pyrene, water, unfiltered, recover- able, μg/L (34469)	sec-Butyl- benzene, water, unfiltered, recover- able, μg/L (77350)	Styrene, water, unfiltered, recover- able, μg/L (77128)	tert-Amyl alcohol, water, unfiltered, recover- able, μg/L (77073)	tert-Butyl alcohol, water, unfiltered, recover- able, μg/L (77035)	tert-Butyl ethyl ether, water, unfiltered, recover- able, μg/L (50004)
06-08-2009	< .04	< .04	< 0.32	< .4	M	< .02	< .04	< .6	< 1.00	< .04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	tert-Butyl- benzene, water, unfiltered, recover- able, μg/L (77353)	Tetra- chloro- ethene, water, unfiltered, recover- able, μg/L (34475)	Tetra- chloro- methane, water, unfiltered, recover- able, μg/L (32102)	Tetrahydro- furan, water, unfiltered, recover- able, μg/L (81607)	Toluene, water, unfiltered, recover- able, μg/L (34010)	trans-1,2- Dichloro- ethene, water, unfiltered, recover- able, μg/L (34546)	trans-1,4- Dichloro-2- butene, water, unfiltered, recover- able, μg/L (73547)	Tribromo- methane, water, unfiltered, recover- able, μg/L (32104)	Trichloro- ethene, water, unfiltered, recover- able, μg/L (39180)	Trichloro- fluoro- methane, water, unfiltered, recover- able, μg/L (34488)
06-08-2009	< .06	.22	.15	< 1	< .02	< .02	< .4	< .10	1.14	< .08

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; PCBs, polychlorinated biphenyls; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Trichloro- methane, water, unfiltered, recover- able, μg/L (32106)	Vinyl chloride, water, unfiltered, recover- able, μg/L (39175)
06-08-2009	.40	< .1