



Water-Data Report 2010

391950078032900 Ber-0039

Potomac Basin
Conococheague-Opequon Subbasin

LOCATION.--Lat 39°19'53.6", long 78°03'28.7" referenced to North American Datum of 1983, Berkeley County, WV, Hydrologic Unit 02070004.

WATER-QUALITY RECORDS

REMARKS.--During the period of May 4 to June 21, 2010, nineteen groundwater wells and six springs were sampled as part of a cooperative program with the West Virginia Department of Environmental Protection-Division of Water and Waste Management in an effort to characterize groundwater quality in the state of West Virginia. These sample sites represent aquifers in a variety of environmental, topographic, and geologic settings across the state and will constitute a sentinel well network that will be sampled on a five year cycle for trend analysis of groundwater quality in West Virginia. Sample analyses may include field determinations, major ions, metals, nutrients, microbiological indicators, radon, volatile organic compounds, semi-volatile compounds, and pesticides.

Sample data for all sites in the sentinel well network are available at <http://ww.usgs.gov/projects/AmbientGW> in a Microsoft Excel spreadsheet and as individual Site Data Sheets.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 1 of 21

[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram 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]

Sample date-time	Barometric pressure, mm Hg (00025)	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), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	Non-carbonate hardness, water, unfiltered, lab, mg/L as CaCO ₃ (00903)
05-06-2010 1020	747	6.1	59	6.8	661	12.5	.2	392	13

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	Total solids dried at 105 °C, unfiltered, mg/L (00500)	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)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as CaCO ₃ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Bromide, water, filtered, mg/L (71870)
05-06-2010 1020	343	101	17.9	1.97	8.8	314	304	371	E .02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	Carbon dioxide, water, unfiltered, mg/L (00405)	Carbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Hydrogen ion, water, unfiltered, calculated, mg/L (00191)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as NH ₄ (71846)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)
05-06-2010 1020	95	< 1	19.0	.18	.00016	20.2	< .026	< .020	2.60

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L (00660)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, unfiltered, analytically determined, mg/L (62855)	Escherichia coli, Defined Substrate Technology, water, MPN/100 mL (50468)	Total coliform, Defined Substrate Technology, water, MPN/100 mL (50569)	Aluminum, water, unfiltered, recoverable, µg/L (01105)	Barium, water, unfiltered, recoverable, µg/L (01007)
05-06-2010 1020	< .002	.026	.008	< .008	2.48	2	36	< 6	60.5

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	Beryllium, water, unfiltered, recoverable, µg/L (01012)	Cadmium, water, unfiltered, µg/L (01027)	Chromium, water, unfiltered, recoverable, µg/L (01034)	Iron, water, unfiltered, recoverable, µg/L (01045)	Lead, water, unfiltered, recoverable, µg/L (01051)	Manganese, water, unfiltered, recoverable, µg/L (01055)	Mercury, water, unfiltered, recoverable, µg/L (71900)	Nickel, water, unfiltered, recoverable, µg/L (01067)	Thallium, water, unfiltered, µg/L (01059)
05-06-2010 1020	< .04	< .04	E .37	< 9	E .04	< .8	< .010	E .19	< .12

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 6 of 21

[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	Zinc, water, unfiltered, recoverable, µg/L (01092)	Antimony, water, unfiltered, µg/L (01097)	Arsenic, water, unfiltered, µg/L (01002)	Selenium, water, unfiltered, µg/L (01147)	1,2-Dichloroethane, water, unfiltered, recoverable, µg/L (32103)	1,2-Dichloropropane, water, unfiltered, recoverable, µg/L (34541)	1,4-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34571)	2,4,6-Trichlorophenol, water, unfiltered, recoverable, µg/L (34621)	2,4-Dichlorophenol, water, unfiltered, recoverable, µg/L (34601)
05-06-2010 1020	2.7	< .4	.26	.11	< .2	< .1	< .1	< 0.34	< 0.36

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram 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]

Sample date-time	2,4-Dimethyl-phenol, water, unfiltered, recoverable, µg/L (34606)	2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)	2-Chloro-4-amino-6-isopropyl-triazine, water, filtered, recoverable, µg/L (04040)	4-Chloro-3-methyl-phenol, water, filtered, recoverable, µg/L (34452)	4-Nitro-phenol, water, unfiltered, recoverable, µg/L (34646)	Aceto-chlor, water, filtered, recoverable, µg/L (49260)	Alachlor, water, filtered, recoverable, µg/L (46342)	alpha-HCH, water, filtered, recoverable, µg/L (34253)	Atrazine, water, filtered, recoverable, µg/L (39632)
	05-06-2010 1020	< .8	< .006	E .057	< 0.55	< 0.51	< .010	< .008	< .004

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram 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]

Sample date-time	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)	Butylate, water, filtered, recoverable, µg/L (04028)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)	Carbofuran, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82674)	Chlor-pyrifos, water, filtered, recoverable, µg/L (38933)	cis-Permeth-rin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)	Cyanazine, water, filtered, recoverable, µg/L (04041)	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682)
	05-06-2010 1020	< .120	< .014	< .004	< .060	< .060	< .010	< .014	< .022

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	Desulfinyl- fipronil amide, water, filtered, recover- able, µg/L (62169)	Desulfinyl- fipronil, water, filtered, recover- able, µg/L (62170)	Diazinon, water, filtered, recover- able, µg/L (39572)	Dieldrin, water, filtered, recover- able, µg/L (39381)	Disulfoton, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82677)	EPTC, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82668)	Ethal- fluralin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82663)	Ethoprop, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82672)	Fipronil sulfide, water, filtered, recover- able, µg/L (62167)
	05-06-2010 1020	< .029	< .012	< .005	< .009	< .04	< .002	< .006	< .016

WATER-QUALITY DATA
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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	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)	Hexa- chloro- benzene, water, unfiltered, recover- able, µg/L (39700)	Lindane, water, filtered, recover- able, µg/L (39341)	Linuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82666)	Malathion, water, filtered, recover- able, µg/L (39532)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82667)	Metola- chlor, water, filtered, recover- able, µg/L (39415)
	05-06-2010 1020	< .024	< .018	< .004	< 0.30	< .004	< .060	< .016	< .008

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WATER-QUALITY DATA
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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; µg/L, micrograms 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]

Sample date-time	Metribuzin	Molinate,	Naprop-	p,p'-DDE,	Parathion,	Pebulate,	Pendi-	Penta-	Phorate,
	, water,	water,	amide,			water,	methalin,		chloro-
	filtered,	filtered (0.7	filtered (0.7	water,	water,	filtered (0.7	filtered (0.7	phenol,	filtered (0.7
	recover-	glass fiber	glass fiber	filtered,	filtered,	glass fiber	glass fiber	water,	glass fiber
	able,	filter),	filter),	recover-	recover-	recover-	recover-	unfiltered,	filter),
	µg/L	recover-	recover-	able,	able,	able,	able,	recover-	recover-
	(82630)	able,	able,	µg/L	µg/L	µg/L	µg/L	able,	able,
		µg/L	µg/L	(34653)	(39542)	(82669)	(82683)	µg/L	µg/L
		(82671)	(82684)					(39032)	(82664)
05-06-2010 1020	< .012	< .003	< .008	< .002	< .020	< .016	< .012	< 0.6	< .020

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; µg/L, micrograms 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]

Sample date-time	Prometon,	Propa-	Propanil,	Propargite,	Propyz-	Simazine,	Tebu-	Terbacil,	Terbufos,
			water,	water,	amide,		thiuron,	water,	water,
	water,	chlor,	filtered (0.7	filtered (0.7	filtered (0.7	water,	filtered (0.7	filtered (0.7	filtered (0.7
	filtered,	water,	micron	micron	micron	filtered,	micron	micron	micron
	recover-	filtered,	glass fiber	glass fiber	glass fiber	water,	glass fiber	glass fiber	glass fiber
	able,	recover-	filter),	filter),	filter),	recover-	filter),	filter),	filter),
	µg/L	able,	recover-	recover-	recover-	able,	recover-	recover-	recover-
	(04037)	µg/L	able,	able,	able,	µg/L	µg/L	µg/L	µg/L
		(04024)	µg/L	µg/L	µg/L	(04035)	(82670)	(82665)	(82675)
		(82679)	(82685)	(82676)					
05-06-2010 1020	M	< .006	< .010	< .02	< .004	.010	< .03	< .024	< .02

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	Thioben- carb, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82681)	Triallate, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82678)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82661)	1,1,1-Tri- chloro- ethane, water, unfiltered, recover- able, µg/L (34506)	1,1,2-Tri- chloro- trifluoro- ethane, water, unfiltered, recover- able, µg/L (77652)	1,1-Di- chloro- ethane, water, unfiltered, recover- able, µg/L (34496)	1,1-Di- chloro- ethene, water, unfiltered, recover- able, µg/L (34501)	1,2,4-Tri- chloro- benzene, water, unfiltered, recover- able, µg/L (34551)	1,2- Dichloro- benzene, water, unfiltered, recover- able, µg/L (34536)
	05-06-2010 1020	<.016	<.006	<.018	<.1	<.1	<.1	<.1	<0.26

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	1,2- Diphenyl- hydrazine, water, unfiltered, recover- able, µg/L (82626)	1,3- Dichloro- benzene, water, unfiltered, recover- able, µg/L (34566)	2,4-Dinitro- phenol, water, unfiltered, recover- able, µg/L (34616)	2,4-Dinitro- toluene, water, unfiltered, recover- able, µg/L (34611)	2,6-Dinitro- toluene, water, unfiltered, recover- able, µg/L (34626)	2-Chloro- naph- thalene, water, unfiltered, recover- able, µg/L (34581)	2-Chloro- phenol, water, unfiltered, recover- able, µg/L (34586)	2-Nitro- phenol, water, unfiltered, recover- able, µg/L (34591)	3,3'- Dichloro- benzidine, water, unfiltered, recover- able, µg/L (34631)
	05-06-2010 1020	<0.30	<.1	<1	<0.56	<0.4	<0.16	<0.26	<0.40

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WATER-QUALITY DATA
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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	4-Bromo-phenyl phenyl ether, water, unfiltered, recoverable, µg/L (34636)	4-Chloro-phenyl phenyl ether, water, unfiltered, recoverable, µg/L (34641)	9H-Fluorene, water, unfiltered, recoverable, µg/L (34381)	Acenaph-thene, water, unfiltered, recoverable, µg/L (34205)	Acenaph-thylene, water, unfiltered, recoverable, µg/L (34200)	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)	Benzo[a]-pyrene, water, unfiltered, recoverable, µg/L (34247)
05-06-2010 1020	< 0.24	< 0.34	< 0.33	< 0.28	< 0.30	< 0.39	< .1	< 0.26	< 0.33

WATER-QUALITY DATA
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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	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)	Benzy l 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)	Bromo-dichloro-methane, water, unfiltered, recoverable, µg/L (32101)
05-06-2010 1020	< 0.30	< 0.38	< 0.30	< 2	< 0.24	< 0.30	< 0.14	< 2	< .1

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	Chloro-benzene, water, unfiltered, recover-able, µg/L (34301)	Chrysene, water, unfiltered, recover-able, µg/L (34320)	cis-1,2-Di-chloro-ethene, water, unfiltered, recover-able, µg/L (77093)	Dibenzo-[a,h]-anthra-cene, water, unfiltered, recover-able, µg/L (34556)	Dibromo-chloro-methane, water, unfiltered, recover-able, µg/L (32105)	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)
	05-06-2010 1020	< .1	< 0.33	< .1	< 0.42	< .2	< .2	< .2	< .2

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	Diiso-propyl ether, water, unfiltered, recover-able, µg/L (81577)	Dimethyl phthalate, water, unfiltered, recover-able, µg/L (34341)	Di-n-butyl phthalate, water, unfiltered, recover-able, µg/L (39110)	Di-n-octyl phthalate, water, unfiltered, recover-able, µg/L (34596)	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)
	05-06-2010 1020	< .2	< 0.36	< 2	< 0.6	< .1	< 0.30	< 0.24	< 0.50

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	Indeno- [1,2,3-cd]- pyrene, water, unfiltered, recover- able, µg/L (34403)	Iso- phorone, water, unfiltered, recover- able, µg/L (34408)	Methyl tert-butyl ether, water, unfiltered, recover- able, µg/L (78032)	Methyl tert-pentyl ether, water, unfiltered, recover- able, µg/L (50005)	m-Xylene plus p- xylene, water, unfiltered, recover- able, µg/L (85795)	Naphtha- lene, water, unfiltered, recover- able, µg/L (34696)	Nitro- benzene, water, unfiltered, recover- able, µg/L (34447)	N-Nitro- sodi- methyl- amine, water, unfiltered, recover- able, µg/L (34438)	N-Nitro- sodi-n- propyl- amine, water, unfiltered, recover- able, µg/L (34428)
05-06-2010 1020	< 0.38	< 0.26	< .2	< .2	< .2	< 0.22	< 0.26	< 0.24	< 0.4

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	N-Nitro- sodi- phenyl- amine, water, unfiltered, recover- able, µg/L (34433)	Organic carbon, water, unfiltered, recover- able, mg/L (00680)	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)	Styrene, water, unfiltered, recover- able, µg/L (77128)	tert-Butyl ethyl ether, water, unfiltered, recover- able, µg/L (50004)	Tetra- chloro- ethene, water, unfiltered, recover- able, µg/L (34475)
05-06-2010 1020	< 0.28	< .6	< .1	< 0.32	< .3	< 0.35	< .1	< .1	< .1

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[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; L, milligrams per liter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligram per liter; 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]

Sample date-time	Tetra- chloro- methane, water, unfiltered, recover- able, µg/L (32102)	Toluene, water, unfiltered, recover- able, µg/L (34010)	trans-1,2- Dichloro- ethene, water, unfiltered, recover- able, µg/L (34546)	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)	Trichloro- methane, water, unfiltered, recover- able, µg/L (32106)	Vinyl chloride, water, unfiltered, recover- able, µg/L (39175)
05-06-2010 1020	< .2	< .1	< .1	< .2	< .1	< .2	< .1	< .2