

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Statewide Pesticide Monitoring Project

In June, 1997, the New York State Department of Environmental Conservation and the U.S. Geological Survey (USGS) began a cooperative effort to monitor pesticides in order to assess the presence and distribution of pesticides and their residues in the waters of the State. The initial monitoring effort included a statewide survey of pesticide concentrations in surface water, particularly in areas where pesticides are used and areas where surface water provides water supply. In the 2004 water year, water samples were collected from 6 public-water-supply intake sites and 2 community-water-system well sites in western New York State and analyzed for as many as 180 pesticides or pesticide degradates. Samples were analyzed for pesticide compounds using the USGS National Water Quality Laboratory (NWQL) SH2001/2010 method (Zaugg and others, 1995), NWQL SH2060 method (Furlong and others, 2001), and the Kansas District Organic Geochemistry Laboratory LCAA method (Lee and others, 2001). The pesticide schedules include selected pesticides and metabolites that are efficiently partitioned from a water sample by solid-phase extraction and are sufficiently volatile and thermally stable for analysis by gas and liquid chromatography. Results are also reported for the determination of caffeine, although not a pesticide, as part of the SH2060 analyses. Samples were filtered through a glass-fiber membrane filter with openings that are 0.7 microns in size to remove sediment and microorganisms. Therefore, all results are for compounds dissolved in water.

The sites shown in figures 9-10 were sampled as part of the state-wide monitoring project for pesticides. The sampling network included sites in eastern New York excluding Long Island (vol. 1) and Long Island (vol. 2), as well as those reported herein for western New York (vol. 3). Pesticide data from other sites located in eastern New York and Long Island are published in their respective volumes.

Laboratory Reporting Levels

The data tables list the pesticides analyzed for, the unit of measure (micrograms per liter, ug/L), the USGS National Water Information System parameter code, and the reported values for concentration or Laboratory Reporting Levels (LRL). The LRL may vary for particular pesticide compounds; it provides a quantitative index that indicates uncertainty in the measurement of low concentrations. When an analyte is detected and all criteria for a positive result are met, the concentration is reported. If the concentration is quantified but is less than the LRL, an 'E' code will be reported with the value. If the analyte is qualitatively identified as present, but the quantitative determination is substantially more uncertain, the NWQL will identify the result with an 'E' code even though the measured value is greater than the LRL. A value reported with an 'E' code should be used with caution. When no analyte is detected in a sample, the default reporting value is the LRL preceded by a less-than sign (<).

References Cited

- Furlong, E.T., Anderson, B.D., Werner, S.L., Soliven, P.P., Coffey, L.J., and Burkhardt, M.R., 2001, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory-Determination of pesticides in water by graphitized carbon-based solid-phase extraction and high-performance liquid chromatography/mass spectrometry: U.S. Geological Survey Water-Resources Investigations Report 01-4134, 73 p.
- Lee, E.A., Kish, J.L., Zimmerman, L.R., and Thurman, E.M., 2001, Methods of analysis by the U.S. Geological Survey Organic Geochemistry Research Group- Update and additions to the determination of chloroacetanilide herbicide degradation compounds in water using high-performance liquid chromatography/mass spectrometry: U.S. Geological Survey Open File Report 01-10, 17 p.
- Zaugg, S.D., Sandstrom, M.W., Smith, S.G., and Fehlberg, K.M., 1995, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory - Determination of pesticides in water by C-18 solid-phase extraction and capillary-column gas chromatography with selective-ion monitoring: U.S. Geological Survey Open-File Report 95-181, 49 p.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Statewide Pesticide Monitoring Project
 Monitoring at Water-Supply Intake Sites at Lakes and Reservoirs in Western New York

Raw, untreated water from 6 surface-water intake sites (fig. 9) was sampled as part of the Statewide Pesticide Monitoring Project in cooperation with New York State Department of Environmental Conservation. All samples were analyzed by the USGS for the SH2001/2010 and LCAA pesticide schedules and selected samples were also analyzed for the SH2060 schedule. Additional samples of raw water and finished water at the Leroy Reservoir intake were sampled as part of the USGS National Water Quality Assessment Program; results for the finished-water samples are not included herein. Concentrations in all samples did not exceed Federal or State maximum contaminant levels (MCLs) for drinking water for any compound.

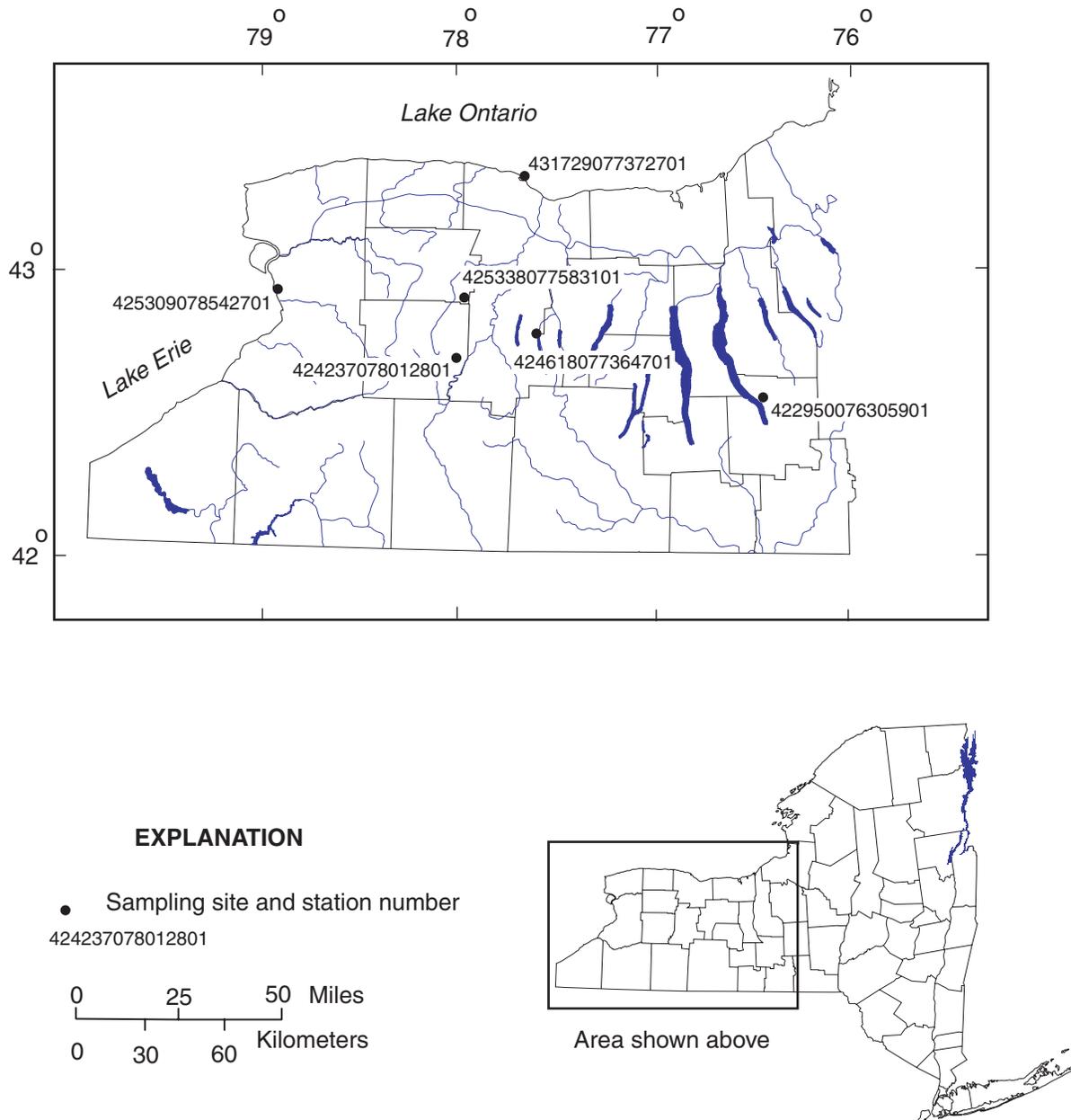


Figure 9. -- Location of public-water-supply intake sites that were sampled in western New York for pesticide analysis in water year 2004.

PESTICIDE ANALYSES

METHOD SH2010

WATER QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	2,6-Diethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor ESA, water, fltrd, ug/L (61029)	Aceto-chlor OA, water, fltrd, ug/L (61030)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor ESA, water, fltrd, ug/L (50009)	Ala-chlor OA, water, fltrd, ug/L (61031)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd, ug/L (82686)	Ben-flur-alin, water, fltrd, ug/L (82673)
431729077372701 MONROE COUNTY WATER AUTH. LAKE ONTARIO INTAKE, NY (LAT 43 17 29N LONG 077 37 27W)													
OCT 2003 23...	1500	<.006	E.053	.04	<.02	<.006	<.02	<.02	<.004	<.005	.082	<.050	<.010
FEB 2004 02...	1030	<.006	E.053	.02	.02	.006	<.02	<.02	<.004	<.005	.128	<.050	<.010
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY (LAT 42 53 38N LONG 077 58 31W)													
DEC 2003 09...	1300	<.006	E.084	<.02	<.02	<.006	.99	.27	.009	<.005	.191	<.050	<.010
422950076305901 CAYUGA LAKE, BOLTON PT., WATER-SUPPLY INTAKE, NY (LAT 42 29 50N LONG 076 30 59W)													
OCT 2003 22...	0900	<.006	E.095	<.02	<.02	<.006	<.02	.02	<.004	<.005	.123	<.050	<.010
JAN 2004 27...	1300	<.006	E.080	<.02	<.02	<.006	.02	<.02	<.004	<.005	.129	<.050	<.010
425309078542701 CITY OF BUFFALO, LAKE ERIE INTAKE, NY (LAT 42 53 09N LONG 078 54 27W)													
OCT 2003 23...	1200	<.006	E.046	<.02	<.02	.007	<.02	<.02	<.004	<.005	.090	<.050	<.010
FEB 2004 02...	0900	<.006	E.048	.02	.03	.007	<.02	<.02	<.004	<.005	.120	<.050	<.010
424618077364701 HEMLOCK LAKE WATER-SUPPLY INTAKE, NY (LAT 42 46 18N LONG 077 36 47W)													
FEB 2004 02...	1400	<.006	E.010	<.02	<.02	<.006	<.02	<.02	<.004	<.005	.017	<.050	<.010
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY (LAT 42 42 37N LONG 078 01 28W)													
OCT 2003 23...	1400	<.006	E.061	<.02	<.02	<.006	.18	.04	<.004	<.005	.153	<.050	<.010
FEB 2004 02...	1300	<.006	E.051	<.02	<.02	<.006	.21	.06	<.004	<.005	.144	<.050	<.010

< Less than.
E Estimated.

WATER QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Butyl- ate, water, fltrd, ug/L (04028)	Car- baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Dimeth- enamid ESA, water, fltrd, ug/L (61951)	Dimeth- enamid OA, water, fltrd, ug/L (62482)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)
431729077372701 MONROE COUNTY WATER AUTH. LAKE ONTARIO INTAKE, NY (LAT 43 17 29N LONG 077 37 27W)													
OCT 2003 23...	<.002	<.041	<.020	<.005	<.006	E.018	E.003	<.005	<.005	<.02	<.02	<.02	<.002
FEB 2004 02...	<.002	<.041	<.020	<.005	<.006	E.012	<.003	<.005	<.005	<.02	<.02	<.02	<.002
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY (LAT 42 53 38N LONG 077 58 31W)													
DEC 2003 09...	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.005	<.02	<.02	<.02	<.002
422950076305901 CAYUGA LAKE, BOLTON PT., WATER-SUPPLY INTAKE, NY (LAT 42 29 50N LONG 076 30 59W)													
OCT 2003 22...	<.002	<.041	<.020	<.005	<.006	E.013	E.003	<.005	<.005	<.02	<.02	<.02	<.002
JAN 2004 27...	<.002	<.041	<.020	<.005	<.006	E.010	<.003	<.005	<.005	<.02	<.02	<.02	<.002
425309078542701 CITY OF BUFFALO, LAKE ERIE INTAKE, NY (LAT 42 53 09N LONG 078 54 27W)													
OCT 2003 23...	<.002	<.041	<.020	<.005	<.006	E.011	<.003	<.005	<.005	<.02	<.02	<.02	<.002
FEB 2004 02...	<.002	<.041	<.020	<.005	<.006	E.008	<.003	<.005	<.005	<.02	<.02	<.02	<.002
424618077364701 HEMLOCK LAKE WATER-SUPPLY INTAKE, NY (LAT 42 46 18N LONG 077 36 47W)													
FEB 2004 02...	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.005	<.02	<.02	<.02	<.002
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY (LAT 42 42 37N LONG 078 01 28W)													
OCT 2003 23...	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.005	.02	<.02	<.02	<.002
FEB 2004 02...	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.005	<.02	<.02	<.02	<.002

< Less than.

E Estimated.

WATER QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ethal-flur- alin, water, fltrd 0.7u GF (82663) ug/L	Etho- prop, water, fltrd 0.7u GF (82672) ug/L	Flufen- acet ESA, water, fltrd, (61952) ug/L	Flufe- nacet OA, water, fltrd, (62483) ug/L	Fonofos water, fltrd, (04095) ug/L	Lindane water, fltrd, (39341) ug/L	Linuron water fltrd 0.7u GF (82666) ug/L	Mala- thion, water, fltrd, (39532) ug/L	Methyl para- thion, water, fltrd 0.7u GF (82667) ug/L	Metola- chlor ESA, water, fltrd 0.7u GF (61043) ug/L	Metola- chlor OA, water, fltrd 0.7u GF (61044) ug/L	Metola- chlor, water, fltrd, (39415) ug/L	Metri- buzin, water, fltrd, (82630) ug/L
431729077372701 MONROE COUNTY WATER AUTH. LAKE ONTARIO INTAKE, NY (LAT 43 17 29N LONG 077 37 27W)													
OCT 2003 23...	<.009	<.005	<.02	<.02	<.003	<.004	<.035	<.027	<.006	.05	.04	.017	<.006
FEB 2004 02...	<.009	<.005	<.02	<.02	<.003	<.004	<.035	<.027	<.006	.08	.06	.022	<.006
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY (LAT 42 53 38N LONG 077 58 31W)													
DEC 2003 09...	<.009	<.005	<.02	<.02	<.003	<.004	<.035	<.027	<.006	2.16	.85	.062	<.006
422950076305901 CAYUGA LAKE, BOLTON PT., WATER-SUPPLY INTAKE, NY (LAT 42 29 50N LONG 076 30 59W)													
OCT 2003 22...	<.009	<.005	<.02	<.02	<.003	<.004	<.035	<.027	<.006	.29	.14	.040	<.006
JAN 2004 27...	<.009	<.005	<.02	<.02	<.003	<.004	<.035	<.027	<.006	.28	.14	.039	<.006
425309078542701 CITY OF BUFFALO, LAKE ERIE INTAKE, NY (LAT 42 53 09N LONG 078 54 27W)													
OCT 2003 23...	<.009	<.005	<.02	<.02	<.003	<.004	<.035	<.027	<.006	.04	.03	.019	<.006
FEB 2004 02...	<.009	<.005	<.02	<.02	<.003	<.004	<.035	<.027	<.006	.08	.05	.021	<.006
424618077364701 HEMLOCK LAKE WATER-SUPPLY INTAKE, NY (LAT 42 46 18N LONG 077 36 47W)													
FEB 2004 02...	<.009	<.005	<.02	<.02	<.003	<.004	<.035	<.027	<.006	.06	.04	E.010	<.006
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY (LAT 42 42 37N LONG 078 01 28W)													
OCT 2003 23...	<.009	<.005	<.02	<.02	<.003	<.004	<.035	<.027	<.006	.78	.35	.052	<.006
FEB 2004 02...	<.009	<.005	<.02	<.02	<.003	<.004	<.035	<.027	<.006	1.08	.38	.052	<.006

< Less than.

E Estimated.

WATER QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Molin- ate, water, fltrd 0.7u GF (82671) ug/L	Naprop- amide, water, fltrd 0.7u GF (82684) ug/L	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF (82669) ug/L	Pendi- meth- alin, water, fltrd 0.7u GF (82683) ug/L	Phorate water fltrd 0.7u GF (82664) ug/L	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF (82676) ug/L	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF (82679) ug/L	Propar- gite, water, fltrd 0.7u GF (82685) ug/L	Simaz- ine, water, fltrd, ug/L (04035)
431729077372701 MONROE COUNTY WATER AUTH. LAKE ONTARIO INTAKE, NY (LAT 43 17 29N LONG 077 37 27W)													
OCT 2003 23...	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01	<.004	<.010	<.011	<.02	.013
FEB 2004 02...	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01	<.004	<.010	<.011	<.02	.016
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY (LAT 42 53 38N LONG 077 58 31W)													
DEC 2003 09...	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	.015
422950076305901 CAYUGA LAKE, BOLTON PT., WATER-SUPPLY INTAKE, NY (LAT 42 29 50N LONG 076 30 59W)													
OCT 2003 22...	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01	<.004	<.010	<.011	<.02	.013
JAN 2004 27...	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01	<.004	<.010	<.011	<.02	.010
425309078542701 CITY OF BUFFALO, LAKE ERIE INTAKE, NY (LAT 42 53 09N LONG 078 54 27W)													
OCT 2003 23...	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01	<.004	<.010	<.011	<.02	.017
FEB 2004 02...	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01	<.004	<.010	<.011	<.02	.016
424618077364701 HEMLOCK LAKE WATER-SUPPLY INTAKE, NY (LAT 42 46 18N LONG 077 36 47W)													
FEB 2004 02...	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.010
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY (LAT 42 42 37N LONG 078 01 28W)													
OCT 2003 23...	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01	<.004	<.010	<.011	<.02	.024
FEB 2004 02...	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01	<.004	<.010	<.011	<.02	.018

< Less than.

E Estimated.

WATER QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)
431729077372701 MONROE COUNTY WATER AUTH. LAKE ONTARIO INTAKE, NY (LAT 43 17 29N LONG 077 37 27W)						
OCT 2003 23...	<.02	<.034	<.02	<.005	<.002	<.009
FEB 2004 02...	<.02	<.034	<.02	<.005	<.002	<.009
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY (LAT 42 53 38N LONG 077 58 31W)						
DEC 2003 09...	<.02	<.034	<.02	<.005	<.002	<.009
422950076305901 CAYUGA LAKE, BOLTON PT., WATER-SUPPLY INTAKE, NY (LAT 42 29 50N LONG 076 30 59W)						
OCT 2003 22...	<.02	<.034	<.02	<.005	<.002	<.009
JAN 2004 27...	<.02	<.034	<.02	<.005	<.002	<.009
425309078542701 CITY OF BUFFALO, LAKE ERIE INTAKE, NY (LAT 42 53 09N LONG 078 54 27W)						
OCT 2003 23...	<.02	<.034	<.02	<.005	<.002	<.009
FEB 2004 02...	<.02	<.034	<.02	<.005	<.002	<.009
424618077364701 HEMLOCK LAKE WATER-SUPPLY INTAKE, NY (LAT 42 46 18N LONG 077 36 47W)						
FEB 2004 02...	<.02	<.034	<.02	<.005	<.002	<.009
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY (LAT 42 42 37N LONG 078 01 28W)						
OCT 2003 23...	<.02	<.034	<.02	<.005	<.002	<.009
FEB 2004 02...	<.02	<.034	<.02	<.005	<.002	<.009

< Less than.
E Estimated.

PESTICIDE ANALYSES

METHOD SH2060

WATER QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd, 0.7u GF ug/L (38746)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3-Hydroxy carbo-furan, wat flt, 0.7u GF ug/L (49308)	3-Keto-carbo-furan, water, fltrd, ug/L (50295)	Aci-fluor-fen, water, fltrd, 0.7u GF ug/L (49315)	Aldi-carb sulfone water, fltrd, 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt, 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd, 0.7u GF ug/L (49312)	
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY (LAT 42 53 38N LONG 077 58 31W)														
DEC 2003	09...	1310	<.009	<.02	<.02	E.06	E.02	E.180	<.006	<1.50	<.007	<.02	<.008	<.04
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY (LAT 42 42 37N LONG 078 01 28W)														
FEB 2004	02...	1310	<.009	.02	<.02	E.01	E.02	E.174	<.006	<1.50	<.007	<.02	<.008	<.04
Date	Time	Atra-zine, water, fltrd, ug/L (39632)	Bendio-carb, water, fltrd, ug/L (50299)	Benomyl water, fltrd, ug/L (50300)	Bensul-furon, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd, 0.7u GF (38711)	Broma-cil, water, fltrd, ug/L (04029)	Brom-oxynil, water, fltrd, 0.7u GF (49311)	Caf-feine, water, fltrd, ug/L (50305)	Car-baryl, water, fltrd, 0.7u GF (49310)	Carbo-furan, water, fltrd, 0.7u GF (49309)	Chlor-amben methyl ester, water, fltrd, ug/L (61188)	Chlori-muron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-tri-azine, wat flt, ug/L (04039)
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY (LAT 42 53 38N LONG 077 58 31W)														
DEC 2003	09...	E.139	<.03	<.004	<.02	E.02	<.03	<.02	.025	<.03	<.006	<.02	<.010	M
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY (LAT 42 42 37N LONG 078 01 28W)														
FEB 2004	02...	.042	<.03	<.008	<.02	<.01	<.03	<.02	<.010	<.03	<.006	<.02	<.010	<.01
Date	Time	Chloro-thalo-nil, water, fltrd, 0.7u GF ug/L (49306)	Clopyr-alid, water, fltrd, 0.7u GF ug/L (49305)	Cyclo-ate, water, fltrd, ug/L (04031)	Dacthal mono-acid, water, fltrd, 0.7u GF ug/L (49304)	Dicamba water, fltrd, 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd, 0.7u GF ug/L (49302)	Dinoseb water, fltrd, 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Diuron, water, fltrd, 0.7u GF ug/L (49300)	Fenuron water, fltrd, 0.7u GF ug/L (49297)	Flumet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water, fltrd, 0.7u GF ug/L (38811)	Imaza-quin, water, fltrd, ug/L (50356)
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY (LAT 42 53 38N LONG 077 58 31W)														
DEC 2003	09...	<.04	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.02	<.03	<.02
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY (LAT 42 42 37N LONG 078 01 28W)														
FEB 2004	02...	<.04	<.01	<.01	<.01	<.01	<.01	<.01	<.03	<.01	<.03	<.01	<.03	<.02
Date	Time	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Linuron water, fltrd, 0.7u GF ug/L (38478)	MCPA, water, fltrd, 0.7u GF ug/L (38482)	MCPB, water, fltrd, 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)	Methio-carb, water, fltrd, 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd, 0.7u GF ug/L (49296)	Metsul-furon, water, fltrd, ug/L (61697)	N-(4-Chloro-phenyl)-N'-methyl-urea, ug/L (61692)	Neburon water, fltrd, 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)	Norflur-azon, water, fltrd, 0.7u GF ug/L (49293)
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY (LAT 42 53 38N LONG 077 58 31W)														
DEC 2003	09...	<.02	<.007	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01	E.03	<.02
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY (LAT 42 42 37N LONG 078 01 28W)														
FEB 2004	02...	<.02	<.023	<.01	<.02	<.01	<.02	<.008	<.004	<.03	<.02	<.01	<.01	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ory- zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Pic- loram, water, fltrd 0.7u GF ug/L (49291)	Propham water fltrd 0.7u GF ug/L (49236)	Propi- cona- zole, water, fltrd, ug/L (50471)	Pro- poxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Sulfo- met- ruron, water, fltrd, ug/L (50337)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd, ug/L (04032)	Tri- clopyr, water, fltrd 0.7u GF ug/L (49235)
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY (LAT 42 53 38N LONG 077 58 31W)											
DEC 2003 09...	<.02	<.01	<.02	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY (LAT 42 42 37N LONG 078 01 28W)											
FEB 2004 02...	<.49	<.01	<.03	<.010	<.02	<.008	<.02	<.009	<.006	<.010	<.02

< Less than.

E Estimated.

M Presence verified, not quantified.