Ground-Water Quality in Kings, Queens, and Western Nassau Counties, Long Island, New York, 1992-96, with Geophysical Logs from Selected Wells

By Richard A. Cartwright, Anthony Chu, Jennifer L. Candela, Valerie-ann K. Eagen, Jack Monti, Jr., and Christopher E. Schubert

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CONVERSION FACTORS, VERTICAL DATUM, AND ABBREVIATIONS

Multiply	By	To Obtain
	Length	
inch (in)	25.40	millimeter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
	Area	
square mile (mi^2)	2.59	square kilometer
	Flow	
million gallons per day (Mgal/d)	0.0438	cubic meters per second
	Hydraulic conductivity	
foot per day (ft/d)	0.3048	meter per day
	Other abbreviations used in this report	
	milligrams per liter (mg/L)	
	million gallons (Mgal)	
	millisiemens per meter (mS/m)	
	minute (min)	

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

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Abstract

This report presents 1992-96 water-quality data from 116 wells, and geophysical well logs of 11 wells, in Kings, Queens, and western Nassau Counties, N.Y. It also (1) summarizes the hydrogeologic framework of Kings and Queens Counties, (2) describes the monitoring-well network, including 37 wells that were added to the U.S. Geological Survey data base during 1992-95, and (3) summarizes the methods of data collection, analysis, and quality control.

A total of 29 new wells were installed in Kings and Queens Counties from November 1992 through October 1995. Of the 29 wells, 4 are screened in the Lloyd aquifer, 3 are screened in the Magothy aquifer, 4 are screened in the Jameco aquifer, and 18 are screened in the upper glacial aquifer.

Ground-water sampling and analyses were done during three periods—August 1992 through January 1993, July through September 1995, and March through July 1996. The U.S. Geological Survey National Water Quality Laboratory performed the analyses for organic and inorganic compounds and nutrients for the first two periods and the analysis for inorganic compounds and nutrients in the third period. Veritech Laboratories, of Butler, N.J., performed the analyses for organic compounds during the third period. (Results of the organic compound analyses are available from the New York City Department of Environmental Protection.) Results of U.S. Geological Survey analyses from all three sampling periods are presented here in two tables—inorganic compounds, including nutrients, and organic compounds.

Borehole-geophysical logs were obtained from 11 of the 29 new wells. Borehole-logging techniques used in this study included natural gamma (G), spontaneous potential (SP), single-point resistance (SPR), normal resistivity (R), and electromagnetic induction (EM). Wells were logged with at least one, and as many as five, of these techniques.

INTRODUCTION

Kings and Queens Counties, on western Long Island, N.Y. (fig. 1), obtain nearly all drinking water (about 700 Mgal/d; Buxton and others, in press) from an extensive upstate reservoir-and-water-tunnel system owned and operated by the New York City Department of Environmental Protection (NYCDEP), which provides water to the City's five boroughs and to several upstate counties. A small amount (about 20 Mgal/d) of ground water is pumped for public supply in Queens County. Emergency supplies are obtained from the Hudson River when the city's system is unable to meet water demands during some periods of drought. Concern that the present system will be inadequate during future droughts or other emergencies has prompted consideration of using ground water from Kings and Queens Counties as a supplemental source.

The aquifer system underlying Kings and Queens Counties served as the sole source of water supply for the two counties until 1917, when the first water tunnel from the upstate reservoir system to Kings and Queens Counties was built. Ground-water pumping continued to increase as the island's population increased, and, by the 1940's, overpumping had caused extreme water-table declines and saltwater encroachment, which necessitated the shutdown of many supply wells. Overpumping also caused the downward migration of sur-

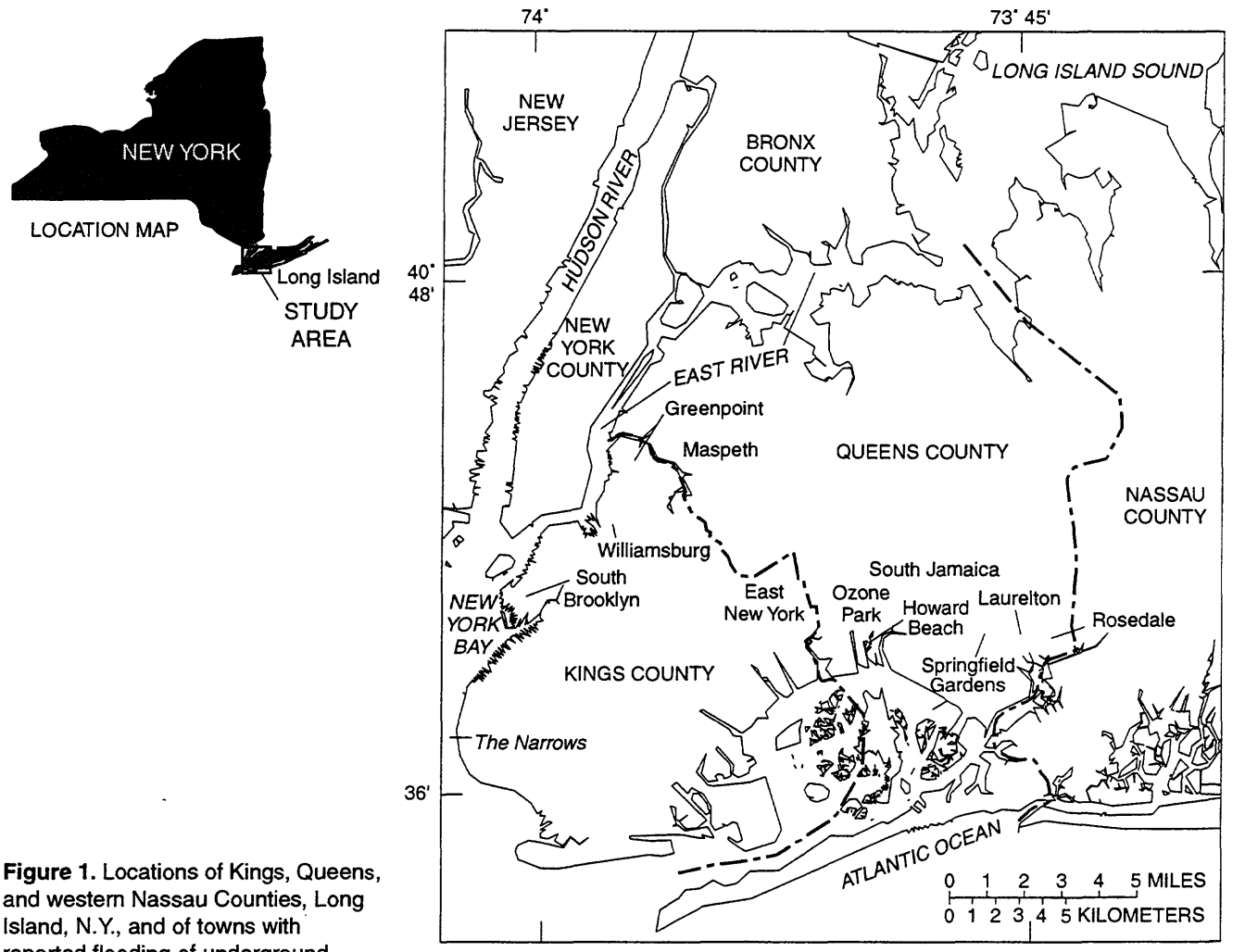

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Figure 1. Locations of Kings, Queens, and western Nassau Counties, Long Island, N.Y., and of towns with reported flooding of underground structures.

face contaminants, such as nitrate from cesspools, and chloride from road salt, from the shallow aquifer to deeper aquifers in several areas. All pumping for public supply was stopped in Kings County by 1947 and in western Queens by 1974 as a result of deteriorating water quality (mostly from saltwater encroachment). As a result, increasing amounts of water from the upstate reservoirs were needed. In March 1997, the reservoir system supplied about 328 Mgal/d to Kings County and about 132 Mgal/d to Queens County (Odd Larson, New York City Department of Environmental Protection, oral commun., 1997). The cessation of most public-supply pumping has allowed water levels to recover, but this has resulted in the flooding of underground structures in some areas. The most severe cases (basement and subway-tunnel flooding) are in parts of Greenpoint, Williamsburg, South Brooklyn, and East New York in Kings County (fig. 1), and in Maspeth, Ozone Park, Howard Beach, South Jamaica, Springfield Gardens, Laurelton, and Rosedale in Queens County (O'Brien and Gere, 1986). Continuous dewatering is needed to protect these underground structures; the estimated pumping rate in 1986 was about 18 Mgal/d (O'Brien and Gere, 1986).

In April 1992, the U.S Geological Survey (USGS), in cooperation with the NYCDEP and their consultant, Malcolm Pirnie, Inc., began a 4-year project as a followup to previous USGS studies (Buxton and Shernoff, 1995 and Buxton and others, in press) to evaluate the feasibility of using ground water in Kings and Queens Counties as a supplement to the upstate reservoir supply during droughts. The consult-

ant's responsibilities included engineering investigations, facility plans, and environmental assessments for the study. The USGS responsibilities included hydrologic investigations—specifically, a data-collection and monitoring component, and development of a ground-water-flow model.

The data-collection and monitoring component entailed (1) compilation of past and present water levels, water-quality data, and streamflow data; and (2) installation, sampling, and geophysical logging of new monitoring wells. All water samples were analyzed for 186 chemical constituents and physical characteristics, including selected suites of inorganic and organic compounds. Results of the inorganic-compound and nutrient analyses are presented in table 3; results of the organic-compound analyses are presented in table 4 (both at the end of report).

The modeling component of the USGS study entailed construction of a three-dimensional ground-water-flow model of western Long Island to simulate the effects of several pumping scenarios on ground-water levels and flow patterns (Misut and Monti, in press). A two-dimensional, cross-sectional model was used to validate the assumption of stationary lateral zero-flow boundaries of freshwater-saltwater interfaces (Kontis, in press). The results will be useful in the selection of optimal locations and withdrawal rates for new water-supply wells that will cause minimal saltwater encroachment and contaminant migration. Other considerations during the site-selection process are (1) proximity to active and inactive well fields, (2) proximity to present distribution mains, (3) availability of City-owned property, and (4) the proposed well-field area's susceptibility to flooding.

Approach

The network of 106 observation and industrial-supply wells from which ground water was sampled during the 1980's (Buxton and Shernoff, 1995) was inspected to identify wells from which samples could still be obtained. Wells from the USGS monitoring network were substituted for those that could no longer be sampled. Locations from which additional hydrologic information was needed were then selected, and new wells were installed at these locations. A total of 37 wells were added to the USGS data base—29 were installed for this project, and 8 had been installed earlier by Brooklyn Union Gas Co. (BUG), New York City Department of Sanitation (NYCDS), or NYCDEP. Ground-water sampling and chemical analyses were done during three periods: the initial period (1992-93) entailed sampling 87 of the original 106 wells, the second period (1995) entailed sampling 21 of the 29 new wells, and the third period (1996) entailed sampling 101 wells from the first two sampling periods. Geophysical logs were obtained from 11 of the new wells, as described in the "Geophysical Logging" section, further on. Some western Nassau County wells were included in the sampling because ground water flows from parts of western Nassau County into eastern Queens County and, thus, affects the water quality and flow patterns in the study area.

Purpose and Scope

This report is one in a series resulting from the cooperative project with the NYCDEP. This report presents water-quality data from 116 wells in Kings, Queens, and western Nassau Counties and the geophysical logs of 11 wells in Kings and Queens Counties; it also (1) summarizes the hydrogeologic framework of Kings and Queens Counties, (2) describes the monitoring-well network, and (3) summarizes the methods of data collection, chemical analysis, and quality control. All water-quality data were collected during the three sampling periods from August 1992 through July 1996.

Location and Setting

The study area (Kings, Queens, and western Nassau Counties, fig. 1) encompasses an area of about 264 mi^2; Kings County occupies about 76 mi^2, Queens County about 113 mi^2, and the western Nassau County area 75 mi^2. The study area is bounded on three sides by saltwater—to the west by The Narrows, New York Bay, and the East River, to the north by the East River and Long Island Sound, and to the south by Jamaica Bay and the Atlantic Ocean. The eastern boundary is within western Nassau County.

Previous Studies

Many hydrogeologic investigations have been done on Long Island during the last century. Previous studies most used for background information during

this investigation are mentioned here. Some of the earliest studies (Veatch and others, 1906; Fuller, 1914; and Suter and others 1949) addressed the geology and ground-water resources of the entire Island. Subsequent studies investigated problems resulting from human activities. Lusczynski (1952), Perlmutter and Soren (1962), Soren (1976), Buxton and others (1981), O'Brien and Gere (1986), and Buxton and Shernoff (1995) addressed water-table fluctuations resulting from pumping in Kings and Queens Counties. Lusczynski (1966), Soren (1971), Kimmel (1972), Buxton and others (1981), Buxton and Shernoff (1995), and Chu and Stumm (1995) addressed ground-water contamination in Kings and Queens Counties by nitrate and (or) chloride. Most recently, Buxton and others (in press) constructed a ground-water-flow model for Kings, Queens, and Nassau Counties to investigate the feasibility of using ground water for public supply.

Acknowledgments

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HYDROGEOLOGIC FRAMEWORK

The water-bearing units of western Long Island consist of a wedge-shaped accumulation of unconsolidated sediments that range in age from Pleistocene to Upper Cretaceous and lie unconformably on crystalline bedrock (table 1). Bedrock crops out in northwestern Queens County and dips southeastward at about 80 ft/mi; the several overlying units also dip and thicken southeastward. These units consist of clay, silt, sand, gravel, and boulders. Together they attain a maximum thickness of more than 1,110 ft in southeastern Queens, and of about 800 ft in southeastern Kings County. The northwestern limits of these units differ, depending on the altitude of sea level at the time of deposition, the depositional environment, and on the degree of post-depositional erosion. The Cretaceous deposits are severely eroded in at least one north-south-trending channel in Queens County; this channel is speculated to be an ancestral channel of the Hudson River (Soren, 1978, pl. 2) and is filled with Pleistocene deposits. Detailed discussions of the stratigraphy of Kings and Queens County can be found in Veach and others (1906), Fuller (1914), de Laguna (1948), and Suter and others (1949). Much of the information presented below is derived from Soren (1978), and Buxton and Shernoff (1995).

Pleistocene Deposits

The Pleistocene deposits comprise three hydrogeologic units—upper glacial aquifer, Gardiners Clay, and Jameco aquifer. Each of these units are present in Kings and Queens Counties.

Upper Glacial Aquifer

The upper glacial aquifer lies at the surface throughout most of Kings and Queens Counties and ranges from 0 to 300 ft in thickness. It consists mainly of Wisconsin-aged sediments that include (1) glacial moraine deposits of clay, silt, sand, gravel, and boulders, and (2) outwash deposits of sand and gravel. The upper glacial aquifer unconformably overlies the Cretaceous units. Horizontal hydraulic conductivity is high but variable—270 ft/d in outwash deposits (Franke and Cohen, 1972), and probably half that in poorly sorted moraine deposits (Buxton and Shernoff, 1995).

Gardiners Clay

The Gardiners Clay is present throughout most of Kings and southern Queens County and ranges from 0 to more than 100 ft in thickness. It consists of greenish-gray clay and silt, and some interbedded sand, and was probably deposited in lagoonal and marine environments during an interglacial period (Soren, 1978).

Table 1. Stratigraphic column for western Long Island with geologic and hydrogeologic interpretation

[From Buxton and Shernoff, 1995, table 1]

System	Series	Geologic unit		Hydrogeologic unit	Range of thickness, in feet	Range of altitude of upper surface, in feet above sea level
QUATERNARY	Holocene	Shore, beach salt-marsh deposits, and alluvium				
	Pleistocene	Wisconsin Glaciation (Harbor Hill, interstadial marine and Ronkonkoma? Drift)	Till (ground and terminal moraine) Outwash "20-foot" clay (marine)	Upper glacial aquifer	0 to 300	Land surface
			—unconformity?—			
		Sangamon Interglaciation	Gardiners Clay (marine)	Gardiners Clay	0 to 150	-40 to -200
			—unconformity?—			
		Pre-Wisconsin Glaciation (Illinoian?)	Jameco Gravel	Jameco aquifer	0 to 200	-90 to -240
			—unconformity?—			
CRETACEOUS	Upper Cretaceous	Matawan Group-Magothy Formation, undifferentiated		Magothy aquifer	0 to 500	40 to -400
			—unconformity?—			
		Raritan Formation	Clay member	Raritan confining unit	0 to 200	30 to -650
			Lloyd Sand Member	Lloyd aquifer	0 to 300	-90 to -825
			—unconformity?—			
Precambrian		Crystalline bedrock		Bedrock	—	15 to -1,100

The Gardiners Clay has a vertical hydraulic conductivity of about 0.001 ft/d (Franke and Cohen, 1972) and restricts vertical flow between the upper glacial aquifer and the underlying Jameco and Magothy aquifers.

Jameco Aquifer

The Jameco aquifer is present in most of Kings and southern Queens County and ranges from 0 to more than 200 ft in thickness. This unit is of fluvial origin and is thickest in ancient buried valleys. It is considered to be a channel-fill deposit associated with the ancestral Hudson River. The Jameco gravel consists primarily of coarse sand and gravel with small amounts of silt and clay; boulders are also present. It has a horizontal hydraulic conductivity greater than 270 ft/d (Soren, 1971) and is a productive aquifer. It is confined by the Gardiners Clay (where present) and

unconformably overlies the Magothy aquifer. Although the Jameco aquifer and the underlying Magothy aquifer are separate hydrogeologic units, they can be considered as a single aquifer (Jameco and Magothy aquifer) because they are hydraulically connected.

Upper Cretaceous Deposits

Upper Cretaceous sediments make up the bulk of the deposits on Long Island. They are divided into the Magothy aquifer, the Raritan confining unit (hereinafter called the Raritan clay), and the Lloyd aquifer, as described below.

Magothy Aquifer

The Magothy aquifer is present in the southern part of Kings and Queens Counties and ranges from 0 to 500 ft in thickness. A prominent feature of this unit in Queens County is the deep, north-south channel (ancestral Hudson River system) that was eroded through the aquifer and penetrates the underlying units. The channel is filled with Pleistocene deposits. Similar smaller features formed by distributary river systems are in Kings County. Sediments in this formation are of continental origin and consist mainly of very fine to coarse deltaic sand and silty sand with lesser amounts of interbedded clay. This aquifer commonly is characterized by a basal part consisting of coarse sand and gravel ranging from 25 to 50 ft thick. The Magothy aquifer is a productive aquifer with horizontal hydraulic conductivity of 60 to 90 ft/d (McClymonds and Franke, 1972). It is semiconfined at its northern limit in Queens County and is confined by the Gardiners Clay in Kings County and southern Queens County. As previously mentioned, the Magothy and Jameco aquifers are considered as one aquifer in this report and are termed the Jameco and Magothy aquifer.

Raritan Confining Unit

The Raritan confining unit (Raritan clay) is the younger of two members that form the Raritan Formation. The older member is the Lloyd Sand (Lloyd aquifer), described further on. The Raritan clay is present throughout Kings and Queens Counties except along the northern shores and in the ancestral Hudson channel, where it was removed by erosion. It is a deltaic deposit ranging from 0 to about 250 ft thick and consists mostly of clay, silty clay, and clayey and silty fine sand. It lies conformably on the Lloyd Sand Member, except in the northwest, where the Lloyd Sand is missing. There, the Raritan clay member lies unconformably on bedrock. This unit is referred to as the Raritan confining unit because it confines the underlying Lloyd aquifer. Vertical hydraulic conductivity is estimated to be 0.001 ft/d (Franke and Cohen, 1972).

Lloyd Aquifer

The Lloyd aquifer is the Sand Member of the Raritan Formation and, like all overlying deposits, dips and generally thins to the southeast. Its extent is similar to that of the overlying clay member, and it has the same erosional channel as the other Cretaceous units in the area, although it underwent the least amount of channel erosion. Thickness of the Lloyd aquifer ranges from 0 to about 300 ft. The deposits are of fluvial-deltaic origin and consist of very fine to very coarse sand, gravel, and interbedded clay and clayey and silty sand. Horizontal hydraulic conductivity ranges from 50 to 70 ft/d (McClymonds and Franke, 1972). The Lloyd aquifer lies unconformably on crystalline bedrock and is confined by the overlying clay member.

METHODS

An extensive network of wells in Kings, Queens, and western Nassau Counties provided the data for this study. Water samples from wells were analyzed, and geophysical logs were obtained by down-hole logging equipment. The following sections describe the well network, water-quality data collection, and geophysical logging.

Well Network

In this report, all network wells are classified either as "previously sampled" or as "new"; new wells are those that were installed or added to the USGS data base after 1992. The well network consists of (1) public-supply wells, (2) industrial-supply wells, and (3) monitoring wells.

Previously Sampled Wells

The first comprehensive study of ground-water quality on western Long Island (Buxton and others,

1981) obtained chemical analyses of water samples from a set of 144 wells in Kings, Queens, and western Nassau Counties, of which, 77 were either monitoring wells or industrial-supply wells (interchangeably called observation wells) sampled by the USGS; the remaining 67 wells were pubic-supply wells sampled by the Jamaica Water Supply Company (now owned and operated by NYCDEP). Of these 144 wells, 93 are screened in the upper glacial aquifer, 38 are screened in the Magothy-Jameco aquifer, and 13 are screened in the Lloyd aquifer. Henceforth, these wells are termed upper glacial, Magothy-Jameco, and Lloyd wells, respectively.

A followup study in 1983 (Buxton and Shernoff, 1995) obtained water-quality data from 190 wells; 106 of these were observation wells, and 84 were public-supply wells. Of the 106 observation wells, 53 had been sampled in the 1981 study, and 53 had not. Of the 106 observation wells, 64 were screened in the upper glacial aquifer, 17 in the Jameco, 14 in the Magothy, 1 in the Raritan clay, and 10 in the Lloyd aquifer. Of the 84 public-supply wells, 30 were screened in the upper glacial aquifer, 4 in the Jameco, 45 in the Magothy, and 5 in the Lloyd. Results of the inorganic-compound analyses for the 106 observation wells, and the inorganic-compound analyses for the 84 public-supply wells, are given in tables 10 and 11 of Buxton and Shernoff (1995), respectively.

New Wells

The number of wells available for ground-water sampling has decreased over the years because well screens become clogged with silt, or the wells become filled with sediment, rendering them useless for sampling. Road construction and repairs also have caused the destruction of many wells. The 29 new USGS wells were installed from November 1992 through October 1995 to replace some of the old wells and to provide additional hydrogeologic information in areas where data were lacking. Four of these wells are screened in the Lloyd aquifer, 3 in the Magothy aquifer, 4 in the Jameco aquifer, and 18 in the upper glacial aquifer.

Three drilling techniques were used to install the new wells—augering, reverse mud rotary, and air rotary. In addition to the 29 new USGS wells, 8 other wells were added to the well network; these wells were installed by BUG, NYCDS, or NYCDEP and were assigned New York State Department of Environmental Conservation well-identification numbers and added to the USGS data base. The drilling techniques used for their installation are unknown.

Of the 29 newly installed wells, 22 are constructed of either 2-in or 4-in polyvinyl chloride (PVC) pipe and 5-ft slotted screen with a 5-ft or 10-ft sump at the bottom. These wells have a bentonite seal above the screen. Five wells required air-rotary drilling; they have an outside casing of 8-in steel from land surface to a 75- to 100-ft depth and are constructed with cement seals above the screen. Two of the new wells consist of 1.25-in PVC pipe and 5-ft slotted screen, which was placed in the annular space between the borehole and a 2- or 4-in PVC casing. The wells that were installed by mud- or air-rotary techniques were developed by air-lifting for as long as 6 hours to remove fines from the sump, screen, and gravel pack.

Water-Data Collection

Two types of hydrogeologic data are presented in this report: (1) water-quality data (tables 3, 4), and (2) geophysical logs (fig. 3). The methods of ground-water sampling and geophysical logging are described below.

Ground-Water Sampling

Sampling devices and techniques used for collection of water samples from public-supply, industrial-supply, and monitoring wells differed because of differences in well construction and wellhead design.

Sampling devices and techniques.—The sampling procedures used at monitoring wells were designed to obtain water that was representative of the aquifer being tapped. First, the water level was measured with a chalked steel tape. From this measurement, the depth of the water column in the casing was determined, and the casing volume calculated. A suction pump, submersible pump, or bailer (depending on the depth to water, casing diameter, and casing volume) was used to purge the well. During the purging process, water temperature, pH, and specific conductance were measured periodically. After the values for these properties had stabilized, and at least three casing volumes evacuated, the sample was collected with a stainless steel and Teflon submersible pump assembly or a Teflon bailer. Water samples were filtered and treated as required by the analyzing laboratory and

placed on ice for shipment. Samples from a public-supply or industrial-supply well were generally obtained from a spigot or faucet (near the wellhead) that tapped water from the well prior to any water-treatment procedures.

Quality-assurance techniques.—A tap-water sample and a deionized-water sample from the USGS laboratory in Coram, N.Y., were sent to the USGS National Water Quality Laboratory (NWQL) for analysis before any ground-water samples were collected to ensure that the water used for flushing the sampling devices (between samplings) was free of detectable amounts of all constituents to be analyzed. Next, deionized water was flushed through both types of sampling devices mentioned earlier, and a sample was collected and sent to the NWQL for analysis to ensure that the sampling devices and shipping techniques were not introducing detectable amounts of the constituents in question.

About 15 percent of the samples collected during each of the sampling periods were quality-assurance and quality-control (QA/QC) samples. About half of the QA/QC samples for the 1992-93 and 1995 sampling periods were flush blanks and (or) duplicate samples; the other half were spiked with a suite of organic constituents provided by the NWQL. About half of the QA/QC samples for the 1996 sampling period were flush blanks; the other half were duplicates. Results of QA/QC analyses are available from the USGS office in Coram, N.Y. Samples were not spiked during the 1996 sampling period because the organic-compound analyses were performed by a contract laboratory, which did not require spiking.

After a sample was collected, the sampling device was filled with a dilute acid solution and left to stand for about 5 min. Then it was flushed inside and out with deionized water. If the sampler became visibly dirty upon removal from a well, it was first washed with a Liquinox and deionized-water cleaning solution, followed by the standard flushing procedure. Typically, a flush blank was collected after this cleaning procedure.

Geophysical logging

Five borehole logging techniques were used in this study—natural gamma (G), spontaneous potential (SP), single-point resistance (SPR), normal resistivity (R), and electromagnetic induction (EM). Eleven wells were logged with at least one, and as many as five, of these geophysical techniques. Three wells were logged with all five techniques, five were logged only with G and EM probes, and three were logged only with G probes. The logs are given in figure 3. The SP, SPR, and R logs were always obtained in an open borehole; the G logs were obtained through open boreholes or through a PVC casing. The EM logs were always obtained through a PVC casing.

GROUND-WATER QUALITY

The water-quality data presented in table 3 (inorganic constituents, including nutrients) and table 4 (organic compounds) constitute the most comprehensive set available for the study area. Samples from the first two sampling periods (August 1992 through January 1993, and July through September 1995) were analyzed for organic and inorganic compounds and for nutrients by the USGS NWQL; samples from the third period (March through July 1996) were analyzed for inorganic compounds and nutrients by the NWQL and for organic compounds by a contract laboratory. (Organic-compound data from the contract laboratory are not included here but are available from NYCDEP.) The first sampling period entailed resampling 87 of the 106 wells that were sampled in 1981 and 1983 (Buxton and Shernoff, 1995); the remaining 19 wells could not be resampled for various reasons. The second sampling period was designed to sample the newly installed wells (21 of which were installed and available for sampling by the end of this sampling period). The third sampling period entailed sampling 101 wells (both new and old) to indicate water quality throughout the study area. Results of the inorganic-compound and nutrient analyses are given in table 3, and results of the organic-compound analyses in table 4. The large number of chemical constituents necessitated dividing each table into several groups of analyses—3 groups of inorganic compounds (tables 3A-3C), and 12 groups of organic compounds (tables 4A-4L). Locations of wells sampled are shown in figure 2. Identification numbers of sampled wells, and the hydrogeologic unit in which they are screened, are listed in table 2.

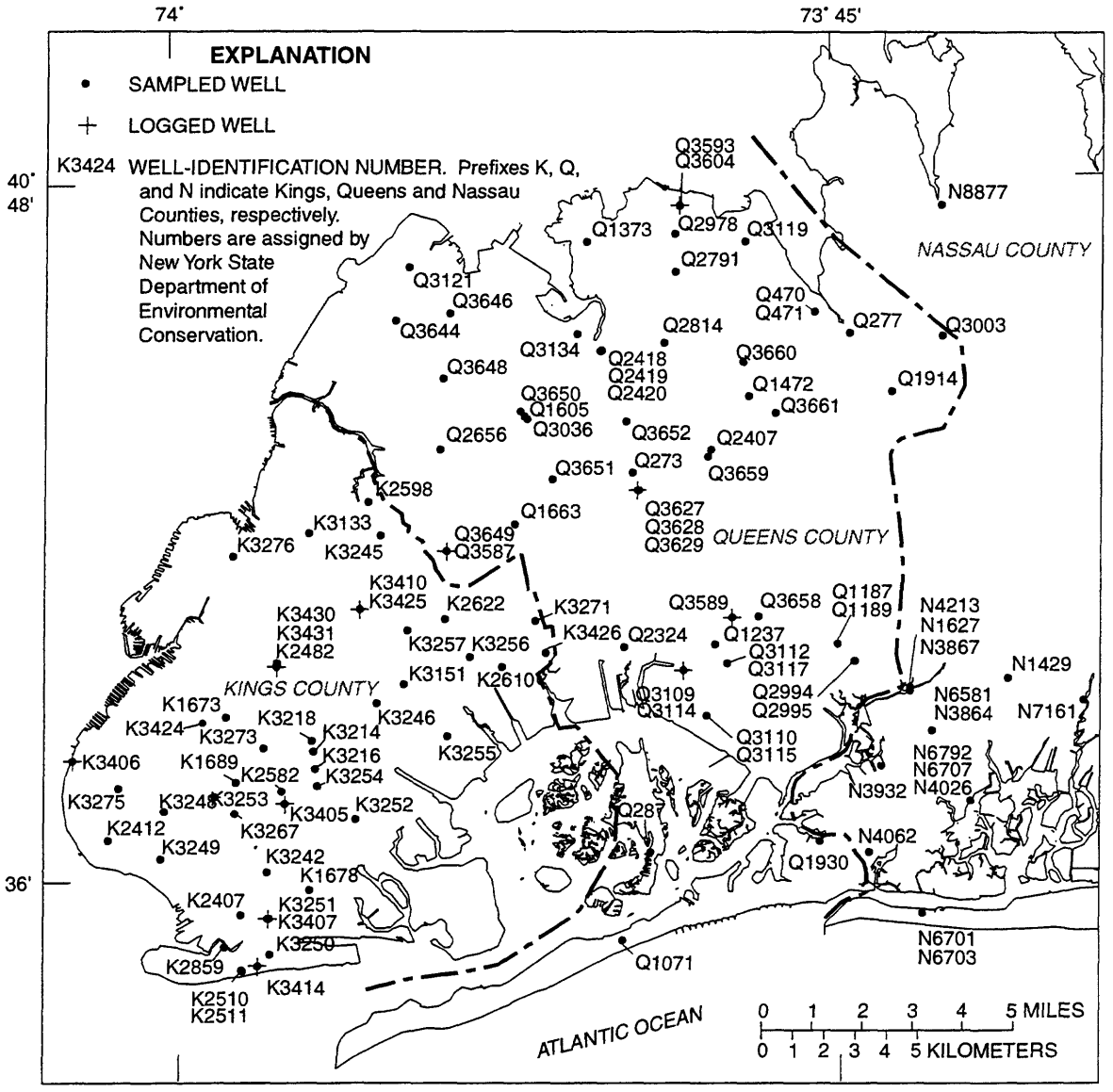

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Figure 2. Locations of 116 wells sampled during the three sampling periods (August 1992 through July 1996), in Kings, Queens, and Nassau Counties, N.Y., and of the 11 wells logged in Kings and Queens Counties. (Well logs are shown in fig. 3.)

GEOPHYSICAL LOGS

Geophysical logs can be used in conjunction with driller's logs, cores, and water-quality analyses to help delineate stratigraphic boundaries and locate freshwater/saltwater interfaces. As described earlier, borehole geophysical logs were obtained from 11 of the new wells. (Locations of the logged wells are shown in fig. 2.) Geophysical logs of the 11 wells are given in figure 3 with lithologic logs from drillers' notes. Chloride concentrations in water samples from selected well-screen zones are also presented. Interpretations of logs from wells K3406, K3407, K3410, K3414, Q3109, Q3589, and Q3593 are given in Chu and Stumm (1995). Regularly spaced, negative-trending spikes that appear about every 20 ft in gamma logs for

Table 2. Identification numbers of wells sampled in Kings, Queens, and Nassau Counties, N.Y., August 1992 through July 1996, and hydrogeologic unit in which wells are screened

[Well numbers assigned by New York State Department of Environmental Conservation. Locations are shown in fig. 2]

Well Number	Aquifer or hydrogeologic unit screened	Well Number	Aquifer or hydrogeologic unit screened	Well Number	Aquifer or hydrogeologic unit screened
K1673	Upper glacial	K3410	Lloyd	Q3115	Upper glacial
K1678	Upper glacial	K3414	Magothy	Q3117	Upper glacial
K1689	Upper glacial	K3424	Upper glacial	Q3119	Upper glacial
K2407	Upper glacial	K3425	Upper glacial	Q3121	Upper glacial
K2412	Upper glacial	K3426	Lloyd	Q3134	Upper glacial
K2482	Upper glacial	K3430	Upper glacial	Q3587	Upper glacial
K2510	Jameco	K3431	Magothy	Q3589	Magothy
K2511	Jameco	Q273	Lloyd	Q3593	Lloyd
K2582	Jameco	Q277	Magothy	Q3604	Upper glacial
K2598	Upper glacial	Q287	Lloyd	Q3627	Lloyd
K2610	Upper glacial	Q470	Lloyd	Q3628	Lloyd
K2622	Upper glacial	Q471	Magothy	Q3629	Upper glacial
K2859	Lloyd	Q1071	Lloyd	Q3644	Upper glacial
K3133	Jameco	Q1187	Jameco	Q3646	Upper glacial
K3151	Upper glacial	Q1189	Upper glacial	Q3648	Upper glacial
K3214	Upper glacial	Q1237	Jameco	Q3649	Upper glacial
K3216	Upper glacial	Q1373	Lloyd	Q3650	Upper glacial
K3218	Upper glacial	Q1472	Magothy	Q3651	Upper glacial
K3242	Upper glacial	Q1605	Upper glacial	Q3652	Upper glacial
K3245	Upper glacial	Q1663	Upper glacial	Q3658	Upper glacial
K3246	Upper glacial	Q1914	Magothy	Q3659	Upper glacial
K3248	Upper glacial	Q1930	Upper glacial	Q3660	Upper glacial
K3249	Upper glacial	Q2324	Upper glacial	Q3661	Upper glacial
K3250	Upper glacial	Q2407	Upper glacial	N1429	Upper glacial
K3251	Upper glacial	Q2418	Upper glacial	N1627	Upper glacial
K3252	Upper glacial	Q2419	Lloyd	N3864	Magothy
K3253	Upper glacial	Q2420	Lloyd	N3867	Magothy
K3254	Upper glacial	Q2656	Upper glacial	N3932	Jameco
K3255	Upper glacial	Q2791	Upper glacial	N4026	Jameco
K3256	Upper glacial	Q2814	Upper glacial	N4062	Jameco
K3257	Upper glacial	Q2978	Upper glacial	N4213	Jameco
K3267	Upper glacial	Q2994	Upper glacial	N6581	Magothy
K3271	Upper glacial	Q2995	Upper glacial	N6701	Raritan confining unit
K3273	Upper glacial	Q3003	Magothy	N6703	Magothy
K3275	Upper glacial	Q3036	Lloyd	N6707	Magothy
K3276	Upper glacial	Q3109	Magothy	N6792	Upper glacial
K3405	Upper glacial	Q3110	Jameco	N7161	Magothy
K3406	Upper glacial	Q3112	Jameco	N8877	Upper glacial
K3407	Jameco	Q3114	Upper glacial		

wells K3405, K3410, K3414, K3431, Q3587, and Q3627 are artificial and do not indicate lithologic or water-quality changes.

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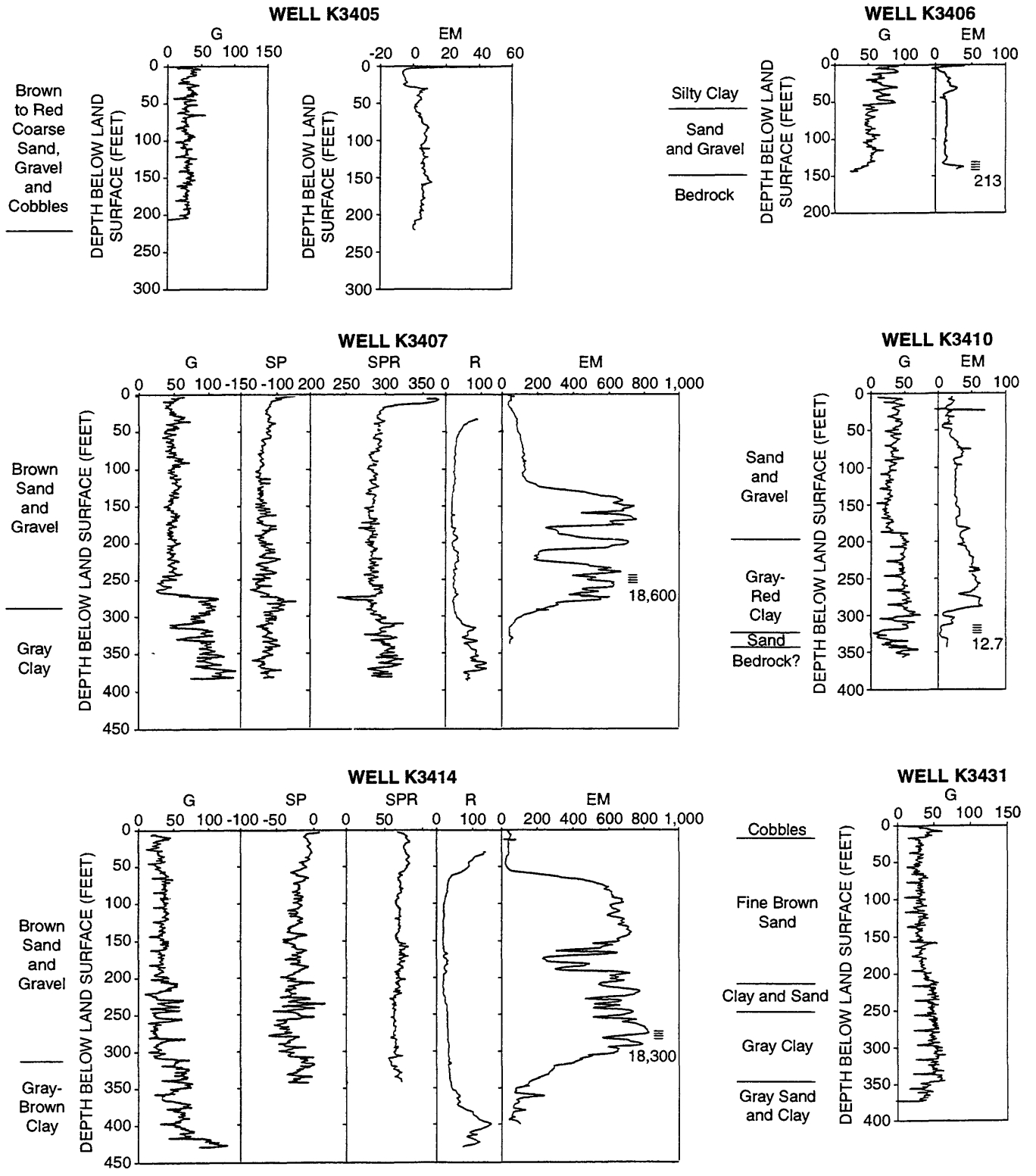
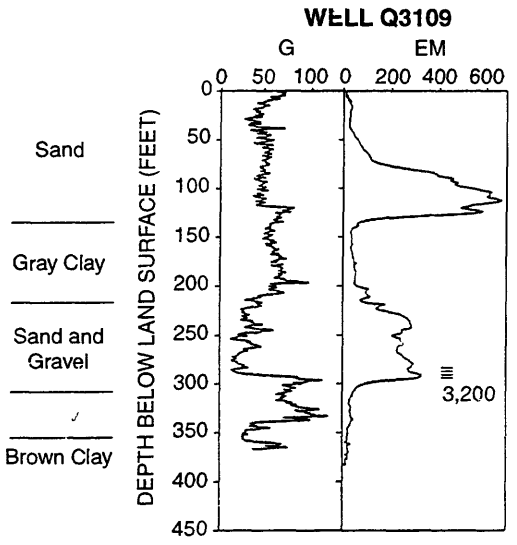
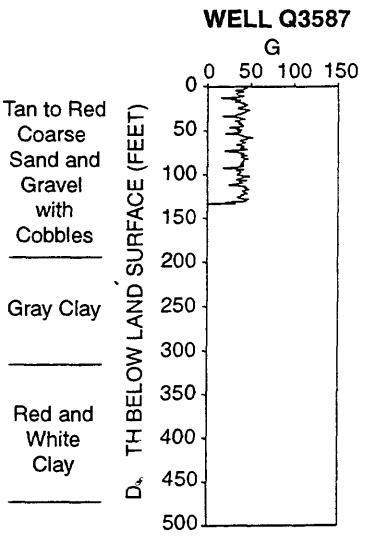
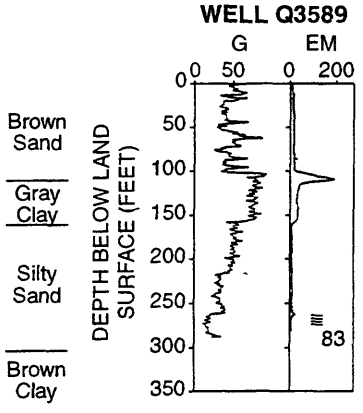
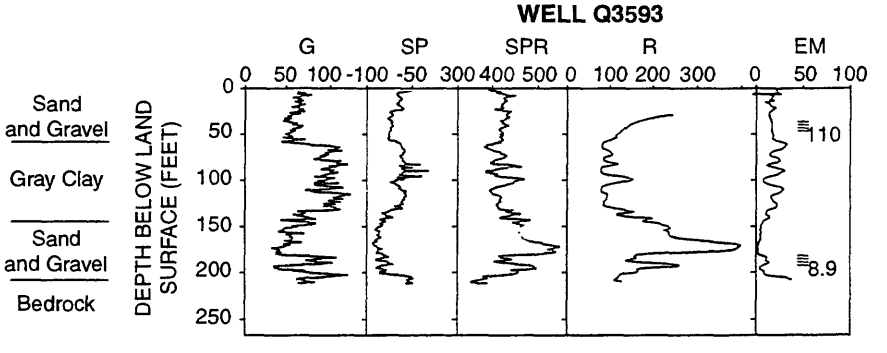


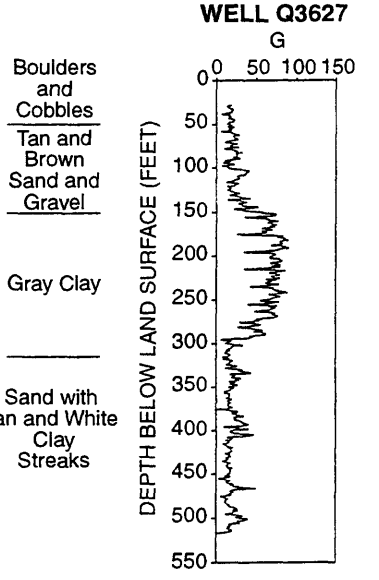
Figure 3. Geophysical and lithologic logs of 11 selected wells in Kings and Queens Counties, Long Island, N.Y. (Modified from Chu and Stumm, 1995, figs. 3, 4, 5. Locations are shown in fig. 2.)











EXPLANATION

G	GAMMA LOG (counts per second)
SP	SPONTANEOUS-POTENTIAL LOG (millivolts)
SPR	SINGLE-PONT-RESISTANCE LOG (ohms)
R	SHORT-NORMAL-RESISTIVITY LOG (ohm-meters)
EM	ELECTROMAGNETIC INDUCTION LOG (millisiemens per meter)
18,300	WELL-SCREEN ZONE-number is chloride concentration, in milligrams per liter

Table 3A. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; deg C, degrees Celsius; mg/L, milligrams per liter; --, no data available. Well locations are shown in fig. 2]

Well number	Date	Sampling time	Specific conductance, field (µS/cm) (00094)	pH, field (standard units) (00400)	Temperature, water (deg C) (00010)	Calcium, total recoverable (mg/L as Ca) (00916)	Magnesium, total recoverable (mg/L as Mg) (00927)	Sodium, total recoverable (mg/L as Na) (00929)	Potassium, total recoverable (mg/L as K) (00937)	Alkalinity, lab (mg/L as $CaCO_3$) (90410)	Sulfate, dissolved (mg/L as SO_4) (00945)	Chloride, dissolved (mg/L as Cl) (00940)
K1673	10-26-92	1035	819	7.1	14.5	69	35	31	<0.1	207	58	83
	04-08-96	1045	495	7.7	14.0	45	24	24	2.0	164	29	48
K1678	10-26-92	1145	2,340	7.5	14.0	54	48	300	<0.1	116	140	550
	04-02-96	1030	2,010	8.1	14.0	58	47	270	5.9	121	120	470
K1689	08-26-92	0955	738	7.1	21.5	81	48	32	2.7	216	--	--
	04-29-96	0950	696	7.6	21.0	51	37	28	2.6	205	44	59
K2407	09-30-92	1115	2,300	6.6	16.0	110	89	180	5.3	120	120	560
	04-29-96	1100	2,820	7.1	16.0	140	100	270	6.1	178	350	630
K2412	08-31-92	0930	728	7.7	16.0	94	21	15	2.7	211	96	44
	05-13-96	0930	821	7.3	14.5	100	26	17	2.8	251	100	41
K2482	09-03-92	0945	800	6.8	17.5	65	29	43	2.5	211	81	78
	07-09-96	0900	443	7.1	15.5	33	14	23	1.5	112	36	30
	07-09-96	0901[a]	433	7.1	15.5	34	14	23	1.5	115	36	29
K2510	09-01-92	0925	43,600	7.5	13.5	320	1,000	8,800	310	144	2,100	16,000
	04-17-96	0930	42,800	7.4	13.0	330	1,100	9,100	320	142	2,100	16,000
K2511	04-17-96	1030	44,400	7.1	11.5	290	1,100	9,200	330	128	2,200	16,000
K2582	08-31-92	1100	919	7.6	16.0	55	39	48	2.0	135	98	140
	05-01-96	0930	569	8.1	15.5	43	30	19	1.7	111	73	47
K2598	09-17-92	1115	1,020	6.6	16.5	95	37	50	3.2	221	130	110
	04-15-96	1000	968	7.1	16.0	85	36	61	3.2	215	120	98
K2610	09-02-92	0925	1,440	6.5	16.5	68	31	150	4.1	220	110	230
	04-02-96	1200	732	7.0	16.5	56	20	59	3.8	163	83	72
K2622	09-03-92	1120	318	7.0	16.0	24	11	22	1.2	91	29	41
	04-18-96	1130	168	7.5	--	12	4.9	11	0.6	41	13	14
K2859	01-19-93	1330	249	7.6	13.5	5.8	7.4	25	5.0	25	7.0	54
K3133	09-17-72	1000	1,220	7.4	16.5	84	35	96	3.4	182	110	180
	04-09-96	1015	1,590	7.5	13.0	100	46	170	3.7	185	110	300
K3151	09-02-92	1055	1,050	6.7	17.5	75	44	66	2.4	228	110	110

[a] Duplicate sample.

Table 3A. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Specific conductance, field (µS/cm) (00094)	pH, field (standard units) (00400)	Temperature, water (deg C) (00010)	Calcium, total recoverable (mg/L as Ca) (00916)	Magnesium, total recoverable (mg/L as Mg) (00927)	Sodium, total recoverable (mg/L as Na) (00929)	Potassium, total recoverable (mg/L as K) (00937)	Alkalinity, lab (mg/L as $CaCO_3$) (90410)	Sulfate, dissolved (mg/L as SO_4) (00945)	Chloride, dissolved (mg/L as Cl) (00940)
K3151	04-18-96	1000	626	7.6	16.0	50	28	28	1.6	134	64	62
K3214	10-14-92	1120	1,010	7.0	16.0	35	36	50	1.9	111	82	200
	04-16-96	1115	927	7.2	16.0	67	36	50	2.3	124	81	140
K3216	10-14-92	1200	735	6.7	16.5	73	34	62	2.3	107	76	120
K3218	10-14-92	1030	797	6.6	18.0	58	36	38	2.6	128	74	100
	04-16-96	1030	835	7.3	16.5	62	36	44	2.5	141	76	100
K3242	08-26-92	1055	609	7.0	22.5	29	31	27	2.2	119	75	52
	05-20-96	0930	606	7.0	22.0	37	34	31	2.0	113	72	55
	05-20-96	0931[a]	606	7.0	22.0	38	33	31	2.2	114	72	56
K3245	09-22-92	1100	1,080	6.2	17.5	24	23	91	6.4	<1.0	67	250
K3246	10-13-92	0955	703	6.5	17.5	53	18	53	2.9	36	62	130
	05-02-96	1100	585	6.2	19.5	40	11	45	2.0	31	74	64
K3248	10-29-92	1050	448	6.0	15.5	14	35	13	<0.1	69	100	15
	04-17-96	1230	234	6.7	15.5	8.1	17	10	1.6	64	14	16
K3249	10-29-92	1245	651	6.0	16.5	13	13	96	<0.1	109	19	82
K3250	12-21-92	1030	2,620	6.7	17.0	32	66	360	5.2	167	140	630
	05-20-96	1130	3,970	7.0	16.0	56	130	490	62	144	190	1,000
K3251	10-22-92	1105	559	6.5	19.0	85	13	10	6.7	194	62	23
	04-11-96	1045	378	7.1	11.5	49	7.4	11	4.2	109	28	18
K3252	10-21-92	0920	356	6.7	16.5	34	10	20	2.7	75	44	26
	05-06-96	0930	418	6.5	16.0	39	13	16	2.4	67	50	27
K3253	11-05-92	1130	452	6.4	15.0	27	32	9.3	2.2	190	46	9.7
	05-15-96	1000	454	7.5	17.5	41	31	12	2.4	155	43	13
K3254	10-21-92	1045	355	6.8	17.5	9.9	14	52	1.5	139	19	21
	05-06-96	1100	466	6.7	17.5	9.1	13	59	1.5	61	44	50
K3255	09-03-92	0930	908	6.7	17.0	60	11	82	5.1	95	53	60
K3256	09-03-92	1210	536	6.3	18.5	14	21	68	4.7	<1.0	61	83
K3257	11-10-92	1115	1,030	5.9	14.0	72	33	72	5.6	119	140	130
K3267	08-27-92	0915	367	7.0	16.5	15	25	7.0	2.0	82	37	10
	07-09-96	1045	436	6.3	15.5	24	32	8.9	2.1	101	45	10
K3271	09-02-92	1035	1,030	7.1	17.0	95	31	95	6.6	197	91	150

Table 3A. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Specific conductance, field (µS/cm) (00094)	pH, field (standard units) (00400)	Temperature, water (deg C) (00010)	Calcium, total recoverable (mg/L as Ca) (00916)	Magnesium, total recoverable (mg/L as Mg) (00927)	Sodium, total recoverable (mg/L as Na) (00929)	Potassium, total recoverable (mg/L as K) (00937)	Alkalinity, lab (mg/L as $CaCO_3$) (90410)	Sulfate, dissolved (mg/L as SO_4) (00945)	Chloride, dissolved (mg/L as Cl) (00940)
K3273	11-02-92	1215	609	5.9	15.5	25	34	30	3.6	120	50	62
K3275	11-04-92	1120	1,180	6.6	15.0	140	39	30	5.3	181	1,30	170
	04-17-96	1030	1,230	7.3	14.5	150	39	36	8.5	214	94	190
K3276	09-22-92	0950	773	7.3	14.0	94	18	36	3.8	307	57	34
	05-09-96	1000	814	7.3	13.5	88	31	33	3.2	284	60	41
	05-09-96	1001[a]	814	7.3	13.5	88	31	33	3.1	283	60	40
K3405	07-18-95	1145	--	--	--	37	29	36	1.7	135	82	45
	04-15-96	1130	612	8.0	15.0	43	33	27	1.9	119	84	57
K3406	07-19-95	1025	2,180	7.2	15.0	94	48	260	6.7	126	130	500
K3407	08-07-95	0945	39,600	6.5	15.0	430	970	970	260	122	2,100	16,000
	04-11-96	1015	43,800	6.7	14.5	410	1,000	8,700	250	117	2,100	16,000
K3410	08-08-95	1200	396	7.3	16.5	20	5.1	41	2.6	142	4.4	17
	04-18-96	1130	351	7.2	15.0	21	6.0	38	2.7	143	3.9	17
K3414	08-07-95	1200	40,500	6.1	15.5	440	1,000	1,000	260	38	2,100	16,000
	04-08-96	1400	44,800	6.7	14.0	370	1,100	7,700	290	41	2,100	15,000
K3424	07-24-95	0955	617	6.7	15.5	58	30	8.6	2.1	256	34	14
K3425	08-08-95	0900	1,530	6.8	17.0	76	52	80	5.1	352	400	71
	04-18-96	1200	1,570	6.4	16.5	180	53	81	5.3	339	360	91
K3426	08-28-95	1015	23,800	5.6	15.5	240	520	4,700	50	--	1,100	8,400
	07-02-96	0930	22,500	5.7	14.5	220	520	4,300	48	--	1,000	8,500
K3430	04-30-96	1200	772	6.7	14.0	65	35	34	2.3	191	53	90
K3431	04-22-96	1230	420	8.0	14.5	43	13	16	3.8	163	9.3	26
Q273	09-28-92	1300	160	--	14.0	12	6.1	4.1	1.2	69	<0.10	5.5
Q277	09-08-92	1150	300	6.5	18.0	20	14	11	1.4	50	54	21
	04-30-96	1000	300	6.5	12.0	22	13	9.3	1.3	51	47	21
Q287	11-04-92	1300	432	6.8	17.5	10	2.6	53	6.0	<1.0	8.5	120
	07-01-96	1130	446	6.6	17.5	6.8	2.4	50	3.0	6.0	8.4	96
Q470	09-08-92	1255	117	6.8	15.0	9.8	3.5	8.0	1.5	23	6.5	8.7
	07-17-96	1150	134	6.5	14.5	--	--	--	--	--	--	--

Table 3A. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Specific conductance, field (µS/cm) (00094)	pH, field (standard units) (00400)	Temperature, water (deg C) (00010)	Calcium, total recoverable (mg/L as Ca) (00916)	Magnesium, total recoverable (mg/L as Mg) (00927)	Sodium, total recoverable (mg/L as Na) (00929)	Potassium, total recoverable (mg/L as K) (00937)	Alkalinity, lab (mg/L as $CaCO_3$) (90410)	Sulfate, dissolved (mg/L as SO_4) (00945)	Chloride, dissolved (mg/L as Cl) (00940)
Q471	11-05-92	1045	63	6.3	13.0	3.1	2.3	4.3	0.7	11	1.2	5.9
	06-26-96	1030	70	6.0	13.0	3.8	2.3	5.0	0.7	13	1.0	6.2
Q1071	12-03-92	1405	295	7.0	17.0	7.4	2.4	30	5.4	23	11	56
Q1187	11-30-92	1150	187	5.9	14.0	2.7	0.60	9.1	1.5	13	0.90	12
Q1189	12-01-92	1205	407	5.6	17.0	34	11	12	4.2	58	73	32
	06-17-96	0830	477	6.1	17.0	--	--	--	--	--	--	--
Q1237	11-24-92	1330	1,440	7.7	14.5	110	33	98	5.6	95	46	370
	07-10-96	1230	1,780	7.5	15.5	150	47	110	4.3	86	26	460
Q1373	12-21-92	1300	3,670	6.4	14.5	97	39	740	9.5	12	<0.10	1,100
	07-16-96	1130	4,040	8.5	23.5	--	--	--	--	--	--	--
Q1472	08-27-92	1105	363	6.3	22.5	23	15	16	1.8	74	43	40
	04-04-96	1200	405	6.5	18.0	28	18	18	1.6	74	42	42
Q1605	09-10-92	0830	859	7.3	17.5	83	39	27	2.1	252	69	84
Q1663	09-16-92	0905	935	6.9	14.5	95	40	31	1.9	266	81	81
	04-03-96	0930	940	7.3	14.5	25	9.3	29	1.5	38	45	40
Q1914	09-14-92	1120	462	6.3	14.0	25	11	39	1.6	39	50	67
	04-03-96	1200	362	6.3	13.5	100	44	23	2.1	273	87	76
Q1930	09-29-92	0945	25	6.6	14.0	260	500	4,700	130	189	1,100	8,800
	04-23-96	0900	16,600	6.8	14.0	280	370	2,700	57	53	660	5,600
Q2324	08-26-92	1140	1,240	7.6	15.5	23	4.7	59	2.4	93	92	260
	06-24-96	0930	810	--	14.5	--	--	--	--	--	--	--
Q2407	09-14-92	1010	623	6.1	15.0	46	27	22	1.8	88	61	98
	04-22-96	0900	641	6.5	14.5	55	28	19	1.7	90	55	93
Q2418	09-15-92	1045	1,640	7.3	14.0	38	30	210	16	170	1.9	320
	06-12-96	1000	1,530	6.8	14.0	--	--	--	--	--	--	--
Q2419	09-14-92	0945	112	9.5	15.5	8.8	3.1	7.8	4.1	54	<0.10	5.8
	06-11-96	1200	168	7.6	14.0	--	--	--	--	--	--	--
Q2420	09-14-92	1000	165	7.7	17.0	13	27	7.4	1.1	78	<0.10	6.1
	06-11-96	0930	164	7.1	13.5	--	--	--	--	--	--	--
Q2656	09-16-92	1020	668	6.5	14.5	80	31	11	1.9	277	60	19
	04-04-96	1000	727	7.0	12.5	86	33	11	1.7	292	54	24
Q2791	09-15-92	0940	662	6.5	16.0	42	27	43	1.7	162	52	67

Table 3A. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Specific conductance, field (µS/cm) (00094)	pH, field (standard units) (00400)	Temperature, water (deg C) (00010)	Calcium, total recoverable (mg/L as Ca) (00916)	Magnesium, total recoverable (mg/L as Mg) (00927)	Sodium, total recoverable (mg/L as Na) (00929)	Potassium, total recoverable (mg/L as K) (00937)	Alkalinity, lab (mg/L as $CaCO_3$) (90410)	Sulfate, dissolved (mg/L as SO_4) (00945)	Chloride, dissolved (mg/L as Cl) (00940)
Q2791	04-11-96	1045	554	7.0	18.5	38	23	35	1.6	162	48	36
Q2814	09-15-92	1055	641	5.9	15.5	42	24	33	2.0	65	95	74
	04-11-96	0915	553	6.0	15.0	33	19	36	1.9	54	65	76
Q2978	09-08-92	1105	565	6.5	16.0	43	28	18	1.8	137	91	42
	04-11-96	1245	473	6.2	14.0	37	24	17	1.6	106	76	32
Q2994	08-27-92	0940	737	5.9	15.0	31	19	48	2.9	10	60	170
	06-12-96	0915	7,820	6.0	13.5	--	--	--	--	--	--	--
Q2995	08-27-92	1105	788	5.9	15.0	35	19	63	3.5	11	74	190
	06-12-96	1100	806	5.9	13.5	--	--	--	--	--	--	--
Q3003	09-30-92	0950	250	5.6	22.0	12	6.8	17	1.6	24	18	42
	06-03-96	0810	272	6.0	22.5	15	7.9	21	1.7	24	17	46
Q3036	09-10-92	0730	237	6.9	15.5	8.9	2.9	27	2.3	76	8.6	15
	04-29-96	1315	229	7.2	14.0	7.6	2.6	25	2.1	79	7.3	12
Q3109	08-26-92	1010	14,400	7.0	16.0	130	200	2,300	36	23	690	3,200
	05-21-96	0920	14,400	7.0	15.5	220	320	2,300	33	18	590	4,700
Q3110	08-25-92	1115	8,720	6.9	16.5	490	190	880	14	80	270	2,600
	05-23-96	1155	9,890	6.8	15.5	--	--	--	--	--	--	--
Q3112	08-24-92	1020	490	7.7	15.5	42	16	1.9	0.7	56	17	140
	05-23-96	0910	543	7.8	14.5	42	15	28	2.6	57	12	120
Q3114	08-31-92	1030	824	6.7	15.5	97	11	42	7.0	118	66	65
	05-21-96	1030	847	6.9	15.5	120	14	35	6.3	271	78	58
Q3115	08-31-92	0920	5,040	6.6	15.5	60	62	830	49	312	110	1,400
	05-21-96	1150	5,990	6.5	16.5	87	76	1,000	40	382	68	1,700
Q3117	08-24-92	1130	1,370	6.6	16.0	140	19	4.2	1.0	175	330	210
Q3117	05-23-96	1030	1,420	6.5	15.0	130	19	120	18	194	300	160
Q3119	09-09-92	0940	781	5.8	17.5	40	25	43	0.2	26	82	160
	06-25-96	0900	918	5.3	17.0	52	30	59	3.1	25	82	190
Q3121	09-16-92	1130	1,120	7.2	16.0	21	41	55	2.5	338	51	140
Q3134	09-08-92	0930	783	6.7	16.5	16	15	110	10	140	39	150

Table 3A. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Specific conductance, field (µS/cm) (00094)	pH, field (standard units) (00400)	Temperature, water (deg C) (00010)	Calcium, total recoverable (mg/L as Ca) (00916)	Magnesium, total recoverable (mg/L as Mg) (00927)	Sodium, total recoverable (mg/L as Na) (00929)	Potassium, total recoverable (mg/L as K) (00937)	Alkalinity, lab (mg/L as $CaCO_3$) (90410)	Sulfate, dissolved (mg/L as SO_4) (00945)	Chloride, dissolved (mg/L as Cl) (00940)
Q3134	05-13-96	1200	523	8.3	13.5	15	9.5	76	5.4	129	20	69
Q3587	07-17-95	1245	--	7.2	16.0	86	36	53	4.3	255	110	75
	06-27-96	1030	973	7.1	18.0	--	--	--	--	--	--	--
Q3589	08-10-95	0755	400	7.5	15.5	27	12	15	2.3	52	14	67
	05-20-96	1100	365	7.5	14.5	32	13	14	2.3	53	15	68
	05-20-96	1101[a]	365	7.5	14.5	33	13	14	2.3	52	15	65
Q3593	07-27-95	0920	210	6.9	17.0	11	6.7	9.2	1.7	52	15	11
	06-10-96	1100	200	6.7	14.0	16	8.2	8.8	0.9	53	19	15
Q3604	07-27-95	0900	880	6.6	18.5	64	50	27	2.6	204	110	85
	06-10-96	1000	914	7.0	15.0	71	57	29	2.8	211	120	96
Q3627	08-30-95	1215	178	7.6	14.0	13	6.2	3.9	1.2	65	4.2	4.9
	06-19-96	1230	116	6.8	13.0	15	7.1	3.9	1.2	63	4.7	5.0
Q3628	09-05-95	1500	184	8.4	14.5	19	8.1	5.9	1.2	85	7.4	7.0
	06-18-96	1100	200	7.3	12.0	--	--	--	--	--	--	--
Q3629	09-05-95	1230	332	6.7	15.5	26	14	18	2.9	71	87	10
	06-18-96	1000	288	5.9	15.0	--	--	--	--	--	--	--
Q3644	08-09-95	1000	1,240	8.2	18.0	110	38	100	7.5	258	89	190
	06-26-96	0900	1,260	8.1	18.0	100	38	82	8.2	251	85	170
Q3646	08-09-95	1145	895	7.7	16.0	93	49	17	6.9	158	200	61
	06-26-96	1130	876	7.6	15.5	80	45	16	6.0	159	210	60
Q3648	07-02-96	1030	1,270	7.1	17.5	100	37	78	3.0	181	96	220
Q3649	07-24-95	1245	1,050	6.6	16.0	98	45	31	1.8	271	110	86
	07-01-96	0855	876	7.2	17.5	--	--	--	--	--	--	--
Q3650	04-01-96	1100	851	7.4	16.5	92	40	22	2.9	211	97	87
Q3651	08-29-95	1120	1,190	6.8	16.0	130	58	37	2.0	464	67	66
	07-01-96	1145	1,180	6.8	18.0	--	--	--	--	--	--	--
Q3652	06-12-96	1300	635	6.9	18.0	--	--	--	--	--	--	--
Q3658	07-02-96	0900	665	5.5	17.0	57	13	41	4.5	31	92	100
Q3659	07-25-95	1000	657	6.2	16.0	52	29	16	4.8	104	82	77
	04-25-96	1200	622	6.3	15.0	65	28	15	3.5	106	87	73
Q3660	08-29-95	0900	402	6.2	16.0	25	13	23	1.6	58	38	40
	04-25-96	0830	432	6.1	15.5	35	17	20	1.5	58	40	56

Table 3A. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Specific conductance, field (µS/cm) (00094)	pH, field (standard units) (00400)	Temperature, water (deg C) (00010)	Calcium, total recoverable (mg/L as Ca) (00916)	Magnesium, total recoverable (mg/L as Mg) (00927)	Sodium, total recoverable (mg/L as Na) (00929)	Potassium, total recoverable (mg/L as K) (00937)	Alkalinity, lab (mg/L as $CaCO_3$) (90410)	Sulfate, dissolved (mg/L as SO_4) (00945)	Chloride, dissolved (mg/L as Cl) (00940)
Q3661	04-25-96	1030	447	6.1	13.0	37	24	16	1.8	107	52	39
N1429	12-09-92	1145	336	5.9	15.0	31	5.1	9.6	5.5	83	21	30
N1627	12-10-92	1100	319	6.4	12.5	31	7.5	14	4.2	67	26	18
	05-02-96	1215	1,950	6.2	14.5	58	28	240	11	73	66	450
N3864	11-10-92	1215	762	5.8	15.5	16	28	63	6.3	<1.0	1.1	240
N3867	11-02-92	1145	53	6.2	14.5	1.0	0.80	4.7	0.8	8.4	5.6	3.5
	05-02-96	1015	52	6.9	14.5	0.60	0.80	4.8	0.9	13	2.9	4.2
N3932	10-07-92	1200	43	6.3	15.0	0.60	0.60	3.9	1.1	8.7	3.7	3.2
	06-05-96	0900	46	5.9	14.5	2.5	0.90	4.2	1.1	11	3.2	4.2
N4026	08-20-92	1005	50	6.4	15.5	1.3	2.5	4.5	1.1	20	2.7	3.7
	08-31-93	0900	72	6.5	11.5	--	--	--	--	26	2.5	4.7
	04-30-96	0905	89	6.9	14.0	12	5.8	18	2.8	35	7.2	29
N4062	11-23-92	1120	143	7.2	15.0	6.9	3.9	8.7	2.6	29	<0.10	21
	06-05-96	1115	209	6.9	16.0	9.5	5.7	17	2.8	37	<0.10	36
N4213	11-02-92	1115	475	6.0	14.0	27	22	8.3	1.9	1.9	2.5	130
	04-30-96	1045	1,050	6.0	14.0	48	32	59	3.2	12	18	250
N6581	11-30-92	0930	25,600	6.9	15.0	350	940	6,400	100	<1.0	1,700	12,000
	05-06-96	1300	34,000	6.1	15.0	280	880	6,600	120	2.5	1,400	13,000
N6701	12-15-92	1200	1,430	7.2	15.5	5.1	12	230	11	72	59	350
N6703	12-15-92	0955	16,200	6.0	14.5	200	420	2,400	48	4.2	610	5,000
	05-07-96	1115	16,800	6.5	17.5	190	470	2,800	54	<1.0	510	5,900
N6707	11-09-92	1300	5,370	6.2	14.0	100	120	740	12	1.2	180	1,600
	04-30-96	1315	6,740	7.5	16.0	150	86	940	38	190	310	1,800
N6792	08-20-92	1100	190	7.1	17.0	23	4.0	7.5	1.7	91	<0.10	9.4
N7161	10-29-92	1120	45	6.1	16.0	0.10	0.10	4.4	0.4	4.0	3.9	3.5
	06-24-96	1000	48	5.9	15.0	<0.10	0.10	4.4	0.5	10	3.8	3.4
N8877	08-19-92	1445	128	6.7	14.5	8.9	6.5	6.1	1.6	38	24	7.1
	06-11-96	0900	173	6.6	13.5	--	--	--	--	--	--	--

Table 3B. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[deg C, degrees Celsius; mg/L, milligrams per liter; µg/L, micrograms per liter--, no data available. Well locations are shown in fig. 2]

Well number	Date	Sampling time	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO_2) (00955)	Solids, residue at 180 deg C dissolved (mg/L) (70300)	Nitrogen, nitrite dissolved (mg/L as N) (00613)	Nitrogen, NO_2+NO_3 dissolved (mg/L as N) (00631)	Nitrogen, ammonia dissolved (mg/L as N) (00608)	Phosphorus ortho, dissolved (mg/L as P) (00671)	Arsenic, total (µg/L as As) (01002)	Barium, total recoverable (µg/L as Ba) (01007)	Cadmium, water unfiltered total (µg/L as Cd) (01027)
K1673	10-26-92	1035	<0.1	33	512	<0.01	8.7	<0.01	0.01	<1	<100	<10
	04-08-96	1045	<0.1	30	318	<0.01	3.0	<0.015	0.01	<1	100	<10
K1678	10-26-92	1145	0.2	26	1,270	<0.01	9.6	0.02	<0.01	<1	<100	<10
	04-02-96	1030	<0.1	25	1,130	0.01	8.9	0.02	0.01	<1	<100	<10
K1689	08-26-92	0955	--	--	--	<0.01	7.6	0.02	<0.01	<1	<100	<10
	04-29-96	0950	<0.1	38	411	<0.01	7.7	0.03	0.02	<1	<100	10
K2407	09-30-92	1115	<0.1	27	1,370	<0.01	5.3	0.06	0.03	<1	200	<10
	04-29-96	1100	<0.1	25	1,720	0.03	6.0	0.09	0.02	<1	100	<10
K2412	08-31-92	0930	0.1	38	466	<0.01	5.3	<0.01	0.01	1	200	<10
	05-13-96	0930	<0.1	38	515	<0.01	5.3	0.03	0.02	<1	<100	<10
K2482	09-03-92	0945	0.3	30	479	<0.01	6.6	0.03	0.02	1	100	<10
	07-09-96	0900	0.4	23	246	<0.01	2.5	0.03	0.03	3	<100	<10
	07-09-96	0901[a]	0.4	23	246	<0.01	2.5	0.02	0.03	3	<100	<10
K2510	09-01-92	0925	--	8.9	31,900	<0.01	<0.05	1.1	0.02	<1	<100	70
	04-17-96	0930	0.6	8.1	30,200	<0.01	0.09	1.4	0.01	<1	100	30
K2511	04-17-96	1030	0.7	7.4	30,800	<0.01	0.10	1.0	0.38	<1	100	30
K2582	08-31-92	1100	0.1	26	534	<0.01	8.1	<0.01	0.02	1	<100	<10
	05-01-96	0930	<0.1	26	355	<0.01	8.5	0.03	0.02	1	<100	<10
K2598	09-17-92	1115	<0.1	29	630	<0.01	8.2	<0.01	<0.01	<1	<100	<10
	04-15-96	1000	<0.1	28	602	<0.01	6.1	0.02	0.02	<1	<100	<10
K2610	09-02-92	0925	0.5	23	800	<0.01	5.7	0.06	0.02	<1	<100	<10
	04-02-96	1200	0.1	21	442	0.03	4.6	0.06	0.02	<1	<100	<10
K2622	09-03-92	1120	0.2	27	239	<0.01	2.9	0.02	0.02	<1	<100	<10
	04-18-96	1130	0.3	12	88	<0.01	0.39	0.02	0.02	<1	<100	<10
K2859	01-19-93	1330	0.1	5.8	114	0.01	<0.05	0.11	0.02	<1	<100	<10
K3133	09-17-72	1000	<0.1	19	632	<0.01	0.12	0.46	0.05	<1	<100	<10
	04-09-96	1015	<0.1	20	853	<0.01	0.07	0.64	0.07	<1	<100	<10
K3151	09-02-92	1055	<0.1	29	636	<0.01	8.4	0.02	<0.01	<1	100	<10

[a] Duplicate sample.

Table 3B. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO_2) (00955)	Solids, residue at 180 deg C dissolved (mg/L) (70300)	Nitrogen, nitrite dissolved (mg/L as N) (00613)	Nitrogen, NO_2+NO_3 dissolved (mg/L as N) (00631)	Nitrogen, ammonia dissolved (mg/L as N) (00608)	Phosphorus ortho, dissolved (mg/L as P) (00671)	Arsenic, total (µg/L as As) (01002)	Barium, total recoverable (µg/L as Ba) (01007)	Cadmium, water unfiltered total (µg/L as Cd) (01027)
K3151	04-18-96	1000	<0.1	27	360	<0.01	5.0	<0.015	0.01	<1	<100	<10
K3214	10-14-92	1120	0.1	27	652	<0.01	9.4	0.05	0.01	<1	<100	<10
	04-16-96	1115	<0.1	28	528	<0.01	10	0.06	0.01	<1	<100	<10
K3216	10-14-92	1200	0.1	26	471	<0.01	9.4	<0.01	0.02	<1	<100	<10
K3218	10-14-92	1030	<0.1	31	481	<0.01	11	<0.01	0.01	<1	<100	<10
	04-16-96	1030	<0.1	28	468	<0.01	11	<0.015	<0.01	<1	<100	<10
K3242	08-26-92	1055	<0.1	29	355	<0.01	9.7	0.02	<0.01	<1	<100	<10
	05-20-96	0930	<0.1	29	361	<0.01	8.7	0.03	0.01	<1	<100	<10
	05-20-96	0931[a]	<0.1	29	370	<0.01	8.7	3.5	0.01	<1	100	<10
K3245	09-22-92	1100	0.1	27	616	0.03	4.0	0.28	0.02	<1	300	10
K3246	10-13-92	0955	<0.1	15	478	0.01	16	0.10	<0.01	<1	<100	<10
	05-02-96	1100	<0.1	19	357	<0.01	17	0.13	<0.01	<1	<100	<10
K3248	10-29-92	1050	<0.1	28	285	0.02	7.5	0.05	<0.01	<1	<100	<10
	04-17-96	1230	<0.1	27	126	0.01	3.1	0.04	<0.01	<1	<100	<10
K3249	10-29-92	1245	0.1	29	381	0.02	16	0.24	<0.01	<1	<100	<10
K3250	12-21-92	1030	0.4	29	1,490	0.02	<0.05	3.0	0.11	<1	<100	<10
	05-20-96	1130	0.3	23	2,250	<0.01	<0.05	0.03	0.01	<1	<100	<10
K3251	10-22-92	1105	<0.1	12	389	0.03	6.3	0.12	<0.01	<1	<100	<10
	04-11-96	1045	<0.1	8.0	215	0.01	6.2	0.02	<0.01	<1	<100	<10
K3252	10-21-92	0920	<0.1	24	250	0.02	8.0	0.14	<0.01	<1	<100	<10
	05-06-96	0930	<0.1	24	263	0.01	12	0.04	<0.01	<1	100	<10
K3253	11-05-92	1130	<0.1	36	283	0.01	8.3	0.02	<0.01	<1	<100	<10
	05-15-96	1000	<0.1	36	298	<0.01	10	0.08	<0.01	<1	<100	<10
K3254	10-21-92	1045	0.1	36	250	0.02	5.0	0.07	<0.01	<1	<100	<10
	05-06-96	1100	<0.1	29	294	<0.01	11	0.03	0.01	<1	<100	<10
K3255	09-03-92	0930	0.2	10	521	0.01	12	0.05	<0.01	<1	<100	<10
K3256	09-03-92	1210	<0.1	12	293	0.04	10	0.49	0.02	1	200	20
K3257	11-10-92	1115	<0.1	27	628	0.03	6.6	0.130	<0.01	<1	<100	<10
K3267	08-27-92	0915	<0.1	35	217	<0.01	14	0.02	<0.01	<1	<100	<10
	07-09-96	1045	<0.1	31	276	0.010	16.0	0.030	0.020	<1	<100	<10
K3271	09-02-92	1035	0.2	5.1	618	0.03	9.9	0.11	<0.01	1	700	<10

Table 3B. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO_2) (00955)	Solids, residue at 180 deg C dissolved (mg/L) (70300)	Nitrogen, nitrite dissolved (mg/L as N) (00613)	Nitrogen, NO_2+NO_3 dissolved (mg/L as N) (00631)	Nitrogen, ammonia dissolved (mg/L as N) (00608)	Phosphorus ortho, dissolved (mg/L as P) (00671)	Arsenic, total (µg/L as As) (01002)	Barium, total recoverable (µg/L as Ba) (01007)	Cadmium, water unfltered total (µg/L as Cd) (01027)
K3273	11-02-92	1215	<0.1	31	372	0.02	6.7	0.12	<0.01	<1	<100	<10
K3275	11-04-92	1120	<0.1	31	750	0.02	7.2	0.09	<0.01	<1	200	<10
	04-17-96	1030	<0.1	33	724	0.02	6.0	0.32	<0.01	<1	500	<10
K3276	09-22-92	0950	<0.1	18	477	<0.01	4.7	0.02	0.01	<1	200	<10
	05-09-96	1000	0.3	20	483	<0.01	8.4	0.03	<0.01	<1	<100	<10
	05-09-96	1001[a]	0.3	21	488	<0.01	8.5	0.03	<0.01	<1	100	<10
K3405	07-18-95	1145	<0.1	28	370	<0.01	3.8	0.03	0.02	<1	<100	<10
	04-15-96	1130	<0.1	28	376	<0.01	4.2	0.02	0.01	<1	<100	<10
K3406	07-19-95	1025	<0.1	22	1,270	0.02	11	0.03	0.08	1	<100	<10
K3407	08-07-95	0945	<0.1	11	29,700	0.01	0.15	0.80	<0.01	<1	<100	30
	04-11-96	1015	<0.1	10	28,600	0.01	0.07	0.90	<0.01	<1	<100	40
K3410	08-08-95	1200	0.2	17	197	<0.01	0.06	1.4	0.37	<1	<100	<10
	04-18-96	1130	0.2	16	185	<0.01	0.13	1.4	0.32	<1	<100	<10
K3414	08-07-95	1200	<0.1	7.2	29,500	0.02	0.13	0.80	0.04	<1	<100	30
	04-08-96	1400	<0.1	7.3	29,600	0.01	<0.05	0.85	0.02	<1	100	40
K3424	07-24-95	0955	<0.1	44	377	<0.010	3.9	0.03	0.02	1	100	<10
K3425	08-08-95	0900	<0.1	30	1,120	<0.01	6.2	0.04	<0.01	<1	<100	<10
	04-18-96	1200	<0.1	26	1,070	<0.01	6.3	0.02	<0.01	<1	<100	<10
K3426	08-28-95	1015	<0.1	7.3	15,800	<0.01	0.06	1.2	0.02	<1	<100	20
	07-02-96	0930	<0.1	7.9	15,500	0.02	0.06	1.3	0.05	<1	<100	20
K3430	04-30-96	1200	<0.1	28	462	0.02	5.2	0.02	0.02	<1	100	<10
K3431	04-22-96	1230	<0.1	16	220	<0.01	<0.05	2.4	0.40	<1	100	<10
Q273	09-28-92	1300	<0.1	5.0	85	<0.01	<0.05	0.06	0.02	<1	<100	<10
Q277	09-08-92	1150	0.1	16	177	<0.01	4.4	<0.01	<0.01	<1	<100	<10
	04-30-96	1000	<0.1	16	176	<0.01	3.8	<0.015	<0.01	<1	<100	<10
Q287	11-04-92	1300	<0.1	6.7	241	0.01	<0.05	0.12	<0.01	<1	<100	<10
	07-01-96	1130	<0.1	7.3	218	0.01	0.06	0.13	0.01	<1	<100	<10
Q470	09-08-92	1255	<0.1	6.5	74	0.03	1.6	0.12	0.02	4	<100	<10
	07-17-96	1150	--	--	--	--	--	--	--	--	--	--
Q471	11-05-92	1045	<0.1	15	43	<0.01	2.6	<0.01	<0.01	<1	<100	<10
	06-26-96	1030	<0.1	14	53	<0.01	2.6	0.04	<0.01	<1	<100	<10

Table 3B. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO_2) (00955)	Solids, residue at 180 deg C dissolved (mg/L) (70300)	Nitrogen, nitrite dissolved (mg/L as N) (00613)	Nitrogen, NO_2+NO_3 dissolved (mg/L as N) (00631)	Nitrogen, ammonia dissolved (mg/L as N) (00608)	Phosphorus ortho, dissolved (mg/L as P) (00671)	Arsenic, total (µg/L as As) (01002)	Barium, total recoverable (µg/L as Ba) (01007)	Cadmium, water unfiltered total (µg/L as Cd) (01027)
Q1071	12-03-92	1405	0.1	8.0	139	<0.01	<0.05	0.12	<0.01	<1	<100	<10
Q1187	11-30-92	1150	<0.1	0.50	43	<0.01	<0.05	0.04	0.02	<1	<100	<10
Q1189	12-01-92	1205	<0.1	22	241	<0.01	<0.05	0.60	<0.01	5	<100	<10
	06-17-96	0830	--	--	--	0.03	0.06	0.76	0.01	--	--	--
Q1237	11-24-92	1330	0.1	16	956	0.02	<0.05	0.37	<0.01	<1	<100	<10
	07-10-96	1230	<0.1	19	1,020	--	--	--	--	1	<100	<10
Q1373	12-21-92	1300	0.2	<0.10	2,270	0.03	0.07	2.8	<0.01	<1	400	<10
	07-16-96	1130	--	--	--	--	--	--	--	--	--	--
Q1472	08-27-92	1105	<0.1	30	222	<0.01	3.7	0.02	<0.01	<1	<100	<10
	04-04-96	1200	0.1	30	237	<0.01	3.7	<0.015	<0.01	<1	<100	<10
Q1605	09-10-92	0830	0.1	24	555	<0.01	4.7	0.02	0.06	<1	<100	<10
Q1663	09-16-92	0905	<0.1	29	534	<0.01	9.6	0.02	0.01	<1	200	<10
	04-03-96	0930	<0.1	22	217	0.01	10	<0.015	0.01	<1	<100	<10
Q1914	09-14-92	1120	<0.1	21	269	<0.01	7.2	0.02	<0.01	<1	<100	<10
	04-03-96	1200	<0.1	29	568	0.02	6.0	0.02	<0.01	<1	100	<10
Q1930	09-29-92	0945	<0.1	24	16,000	<0.01	<0.05	2.1	0.02	1	200	40
	04-23-96	0900	<0.1	25	10,000	0.08	<0.05	1.4	0.13	<1	100	10
Q2324	08-26-92	1140	<0.1	19	806	<0.01	11	0.06	<0.01	1	200	<10
	06-24-96	0930	--	--	--	--	--	--	--	--	--	--
Q2407	09-14-92	1010	<0.1	23	387	<0.01	5.7	0.02	<0.01	<1	<100	<10
	04-22-96	0900	<0.1	23	354	<0.01	5.5	<0.015	<0.01	<1	<100	<10
Q2418	09-15-92	1045	0.3	14	876	<0.01	<0.05	3.2	<0.01	2	200	<10
	06-12-96	1000	--	--	--	<0.01	0.06	3.3	<0.01	--	--	--
Q2419	09-14-92	0945	0.1	0.90	42	<0.01	<0.05	0.07	0.02	2	<100	<10
	06-11-96	1200	--	--	--	<0.01	<0.05	0.05	<0.01	--	--	--
Q2420	09-14-92	1000	<0.1	9.7	81	<0.01	<0.05	0.09	<0.01	1	<100	<10
	06-11-96	0930	--	--	--	<0.01	<0.050	0.06	<0.01	--	--	--
Q2656	09-16-92	1020	<0.1	33	414	<0.01	<0.05	0.02	0.01	<1	<100	<10

Table 3B. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO_2) (00955)	Solids, residue at 180 deg C dissolved (mg/L) (70300)	Nitrogen, nitrite dissolved (mg/L as N) (00613)	Nitrogen, NO_2+NO_3 dissolved (mg/L as N) (00631)	Nitrogen, ammonia dissolved (mg/L as N) (00608)	Phosphorus ortho, dissolved (mg/L as P) (00671)	Arsenic, total (µg/L as As) (01002)	Barium, total recoverable (µg/L as Ba) (01007)	Cadmium, water unfiltered total (µg/L as Cd) (01027)
Q2656	04-04-96	1000	<0.1	33	446	<0.01	5.6	<0.01	<0.01	<1	100	50
Q2791	09-15-92	0940	<0.1	34	394	0.01	6.5	0.08	0.01	<1	<100	<10
791	04-11-96	1045	<0.1	34	334	<0.01	5.6	0.21	0.01	<1	<100	<10
Q2814	09-15-92	1055	<0.1	20	380	<0.01	9.1	0.02	<0.01	<1	<100	<10
	04-11-96	0915	<0.1	19	303	<0.01	6.0	<0.015	<0.01	<1	<100	<10
Q2978	09-08-92	1105	<0.1	43	361	<0.01	<0.05	0.01	0.03	<1	<100	<10
	04-11-96	1245	<0.1	44	299	<0.01	<0.05	0.02	0.03	<5	<100	<10
Q2994	08-27-92	0940	<0.1	15	419	<0.01	<0.05	0.07	<0.01	<1	<100	<10
	06-12-96	0915	--	--	--	<0.01	0.0	0.07	<0.01	--	--	--
Q2995	08-27-92	1105	<0.1	16	464	<0.01	<0.05	0.05	<0.01	4	<100	<10
	06-12-96	1100	--	--	--	<0.01	0.07	0.07	0.02	--	--	--
Q3003	09-30-92	0950	<0.1	21	157	<0.01	2.3	<0.01	<0.01	<1	<100	<10
	06-03-96	0810	<0.1	21	170	<0.01	2.4	0.02	0.01	<1	<100	<10
Q3036	09-10-92	0730	0.1	10	121	0.01	<0.05	0.67	0.02	<1	<100	<10
	04-29-96	1315	0.1	10	116	<0.01	<0.05	0.73	0.01	<1	<100	<10
Q3109	08-26-92	1010	0.6	18	9,040	0.02	<0.05	0.93	0.04	2	300	20
	05-21-96	0920	<0.1	16	8,470	0.02	<0.05	0.99	0.03	<1	<100	<10
Q3110	08-25-92	1115	0.2	0.60	5,810	0.02	<0.05	1.6	0.03	1	400	20
	05-23-96	1155	--	--	--	0.02	<0.05	1.7	<0.01	--	--	--
Q3112	08-24-92	1020	0.1	18	361	<0.01	<0.05	1.0	0.27	1	<100	<10
	05-23-96	0910	0.1	20	302	<0.01	<0.05	0.86	0.21	<1	<100	<10
Q3114	08-31-92	1030	0.4	27	526	<0.01	<0.05	3.1	1.1	1	<100	<10
	05-21-96	1030	0.5	24	531	<0.01	<0.05	1.4	0.02	<1	<100	<10
Q3115	08-31-92	0920	1.0	35	3,000	<0.01	<0.05	1.2	0.09	3	<100	<10
	05-21-96	1150	1.0	29	3,370	0.01	<0.05	4.0	1.0	<1	<100	<10
Q3117	08-24-92	1130	0.1	6.5	1,000	<0.01	<0.05	1.6	0.02	2	<100	<10
	05-23-96	1030	0.1	8.2	904	<0.01	<0.05	1.6	<0.01	<1	<100	<10
Q3119	09-09-92	0940	<0.1	8.7	490	<0.010	3.8	0.32	<0.01	<1	<100	<10
	06-25-96	0900	<0.1	12	556	<0.01	4.7	0.04	<0.01	<1	<100	<10
Q3121	09-16-92	1130	<0.1	27	634	0.02	3.1	0.16	<0.01	1	100	<10
Q3134	09-08-92	0930	0.2	13	427	<0.01	<0.05	0.11	0.22	2	100	<10

Table 3B. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO_2) (00955)	Solids, residue at 180 deg C dissolved (mg/L) (70300)	Nitrogen, nitrite dissolved (mg/L as N) (00613)	Nitrogen, NO_2+NO_3 dissolved (mg/L as N) (00631)	Nitrogen, ammonia dissolved (mg/L as N) (00608)	Phosphorus ortho, dissolved (mg/L as P) (00671)	Arsenic, total (µg/L as As) (01002)	Barium, total recoverable (µg/L as Ba) (01007)	Cadmium, water unfiltered total (µg/L as Cd) (01027)
Q3134	05-13-96	1200	0.2	12	292	<0.01	0.07	0.09	0.20	1	<100	<10
Q3587	07-17-95	1245	0.1	24	604	0.05	7.0	0.16	0.02	<1	<100	<10
	06-27-96	1030	--	--	--	--	--	--	--	--	--	--
Q3589	08-10-95	0755	0.1	19	254	<0.01	<0.05	0.14	0.03	<1	<100	<10
	05-20-96	1100	0.1	19	221	<0.01	<0.05	0.14	0.02	<1	<100	<10
	05-20-96	1101[a]	0.1	18	215	<0.01	<0.05	0.14	0.02	1	<100	<10
Q3593	07-27-95	0920	0.2	9.4	105	<0.01	<0.05	0.05	<0.01	1	<100	<10
	06-10-96	1100	0.2	9.8	112	<0.01	0.06	0.07	<0.01	2	<100	<10
Q3604	07-27-95	0900	<0.1	30	551	<0.01	3.1	<0.015	0.04	<1	200	<10
	06-10-96	1000	<0.1	30	579	<0.01	3.6	0.04	0.06	<1	<100	<10
Q3627	08-30-95	1215	<0.1	14	93	0.02	0.34	<0.015	<0.01	<1	<100	<10
	06-19-96	1230	<0.1	15	86	0.01	0.46	0.04	0.02	<1	<100	<10
Q3628	09-05-95	1500	0.1	16	116	0.06	0.17	0.02	0.02	<1	<100	<10
	06-18-96	1100	--	--	--	<0.01	0.24	0.10	0.02	--	--	--
Q3629	09-05-95	1230	<0.1	23	239	<0.01	0.11	0.05	<0.01	<1	<100	<10
	06-18-96	1000	--	--	--	--	--	--	--	--	--	--
Q3644	08-09-95	1000	<0.1	23	780	0.06	13	0.02	0.04	<1	100	<10
	06-26-96	0900	<0.1	25	740	0.05	13	0.03	0.03	<1	<100	<10
Q3646	08-09-95	1145	<0.1	19	583	<0.01	0.06	0.06	0.02	1	<100	<10
	06-26-96	1130	<0.1	19	570	<0.01	<0.05	0.10	0.03	3	<100	<10
Q3648	07-02-96	1030	<0.1	27	814	<0.01	11	0.02	0.03	<1	<100	<10
Q3649	07-24-95	1245	<0.1	30	664	<0.010	10	0.03	0.01	<1	200	<10
	07-01-96	0855	--	--	--	--	--	--	--	--	--	--
Q3650	04-01-96	1100	<0.1	24	518	<0.01	4.5	<0.015	0.04	<1	<100	<10
Q3651	08-29-95	1120	<0.1	28	690	<0.01	4.8	<0.015	0.02	<1	100	<10
	07-01-96	1145	--	--	--	--	--	--	--	--	--	--
Q3652	06-12-96	1300	--	--	--	<0.01	4.2	0.06	0.01	--	--	--
Q3658	07-02-96	0900	<0.1	14	446	--	--	--	--	<1	<100	<10

Table 3B. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Fluoride, dissolved (mg/L as F) (00950)	Silica, dissolved (mg/L as SiO_2) (00955)	Solids, residue at 180 deg C dissolved (mg/L) (70300)	Nitrogen, nitrite dissolved (mg/L as N) (00613)	Nitrogen, NO_2+NO_3 dissolved (mg/L as N) (00631)	Nitrogen, ammonia dissolved (mg/L as N) (00608)	Phosphorus ortho, dissolved (mg/L as P) (00671)	Arsenic, total (µg/L as As) (01002)	Barium, total recoverable (µg/L as Ba) (01007)	Cadmium, water unfiltered total (µg/L as Cd) (01027)
Q3659	07-25-95	1000	<0.1	25	409	0.03	3.3	0.05	0.02	<1	200	<10
	04-25-96	1200	<0.1	25	398	<0.01	2.9	<0.015	0.01	<1	<100	<10
Q3660	08-29-95	0900	<0.1	26	247	<0.01	7.8	0.11	<0.01	<1	<100	<10
Q3660	04-25-96	0830	<0.1	26	275	<0.01	6.9	0.02	<0.01	<1	100	<10
Q3661	04-25-96	1030	<0.1	31	287	<0.01	3.5	<0.015	<0.01	<1	<100	<10
N1429	12-09-92	1145	0.6	6.7	187	0.04	0.05	0.08	0.02	<1	<100	40
N1627	12-10-92	1100	<0.1	6.1	180	0.03	2.0	0.26	<0.01	1	<100	<10
	05-02-96	1215	<0.1	7.7	916	0.01	0.21	0.71	0.02	<1	100	<10
N3864	11-10-92	1215	<0.1	8.0	458	0.01	<0.05	0.08	0.02	<1	<100	<10
N3867	11-02-92	1145	<0.1	8.4	40	0.01	<0.05	<0.01	<0.01	<1	<100	<10
	05-02-96	1015	<0.1	5.3	33	<0.01	<0.05	0.03	0.01	<1	<100	<10
N3932	10-07-92	1200	<0.1	12	46	<0.01	0.07	<0.01	0.03	<1	<100	<10
	06-05-96	0900	<0.1	11	35	<0.01	0.08	0.07	0.01	<1	<100	<10
N4026	08-20-92	1005	<0.1	12	20	<0.01	<0.05	0.05	0.01	1	<100	<10
	08-31-93	0900	<0.1	12	--	0.004	<0.05	0.07	0.019	--	--	--
	04-30-96	0905	<0.1	9.7	95	<0.01	0.19	0.09	0.01	1	<100	<10
N4062	11-23-92	1120	0.1	27	108	0.02	<0.05	0.34	0.26	<1	<100	<10
	06-05-96	1115	<0.1	18	120	<0.01	0.07	0.41	<0.01	1	<100	<10
N4213	11-02-92	1115	<0.1	13	300	<0.01	<0.05	<0.01	<0.01	1	<100	<10
	04-30-96	1045	<0.1	8.5	546	<0.01	<0.05	0.05	<0.01	<1	<100	<10
N6581	11-30-92	0930	--	5.4	22,800	<0.01	<0.05	0.44	<0.01	<1	<100	50
	05-06-96	1300	0.2	5.4	21,800	<0.01	0.08	0.32	<0.01	<1	100	80
N6701	12-15-92	1200	0.2	9.4	748	<0.01	<0.05	0.08	0.16	<1	<100	<10
N6703	12-15-92	0955	0.2	8.4	9,810	0.02	<0.05	0.50	<0.01	1	200	100
	05-07-96	1115	0.2	6.7	10,200	0.01	0.07	0.54	0.10	1	100	60
N6707	11-09-92	1300	0.2	4.1	3,310	<0.01	<0.05	0.14	<0.01	<1	200	<10
	04-30-96	1315	0.3	7.0	3,900	0.02	0.56	0.62	<0.01	2	100	<10
N6792	08-20-92	1100	<0.1	45	139	<0.01	<0.05	0.37	0.18	1	<100	<10
N7161	10-29-92	1120	<0.1	8.8	31	<0.01	<0.05	0.01	<0.01	<1	<100	<10
	06-24-96	1000	<0.1	8.9	18	<0.01	<0.05	0.05	<0.01	<1	<100	<10
N8877	08-19-92	1445	0.2	19	98	<0.01	<0.05	0.05	0.01	<1	<100	<10
	06-11-96	0900	--	--	--	0.01	<0.05	0.03	0.02	--	--	--

Table 3C. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[deg C, degrees Celsius; mg/L, milligrams per liter; µg/L, micrograms per liter--, no data available. Well locations are shown in fig. 2]

Well number	Date	Sampling time	Chromium, total recoverable (µg/L as Cr) (01034)	Copper, total recoverable (µg/L as Cu) (01042)	Iron, total recoverable (µg/L as Fe) (01045)	Lead, total recoverable (µg/L as Pb) (01051)	Manganese, total recoverable (µg/L as Mn) (01055)	Mercury, total recoverable (µg/L as Hg) (71900)	Selenium, total (µg/L as Se) (01147)	Silver, total recoverable (µg/L as Ag) (01077)	Zinc, total recoverable (µg/L as Zn) (01092)	Cyanide, total (mg/L as CN) (00720)
K1673	10-26-92	1035	2	<10	40	<1	20	<0.10	3	<1	30	0.010
	04-08-96	1045	<1	<10	10	<1	<10	<0.10	<1	<1	20	<0.010
K1678	10-26-92	1145	1	10	<10	<1	<10	<0.10	<1	<1	<10	<0.010
	04-02-96	1030	2	10	<10	<1	<10	<0.10	1	<1	10	<0.010
K1689	08-26-92	0955	<1	<10	10	1	<10	<0.10	1	<1	30	<0.010
	04-29-96	0950	2	<10	<10	<1	<10	<0.10	2	<1	80	<0.010
K2407	09-30-92	1115	<1	10	70	<1	730	<0.10	<1	<1	10	<0.010
	04-29-96	1100	1	20	30	2	3,600	<0.10	6	<1	30	<0.010
K2412	08-31-92	0930	<1	<10	100	<1	<10	<0.10	<1	<1	30	<0.010
	05-13-96	0930	<1	<10	120	<1	20	<0.10	<1	<1	50	0.010
K2482	09-03-92	0945	2	<10	290	<1	<10	<0.10	3	<1	<10	<0.010
	07-09-96	0900	<1	<10	70	<1	<10	<0.10	1	<1	<10	<0.010
	07-09-96	0901[a]	1	<10	50	<1	<10	<0.10	1	<1	<10	<0.010
K2510	09-01-92	0925	6	60	210	12	2,900	--	<1	<1	10	<0.010
	04-17-96	0930	<2	50	50	<20	3,200	1.3	<1	<5	<10	<0.010
K2511	04-17-96	1030	<2	40	170	<20	1,900	<0.10	<1	<5	80	<0.010
K2582	08-31-92	1100	1	<10	80	<1	<10	<0.10	2	<1	20	<0.010
	05-01-96	0930	2	<10	20	<1	<10	<0.10	2	<1	<10	<0.010
K2598	09-17-92	1115	9	<10	40	<1	<10	<0.10	<1	<1	<10	<0.010
	04-15-96	1000	3	<10	120	<1	10	<0.10	<1	<1	<10	<0.010
K2610	09-02-92	0925	71	<10	50	<1	60	--	1	<1	<10	0.020
	04-02-96	1200	35	10	50	<1	490	<0.10	1	<1	20	<0.010
K2622	09-03-92	1120	<1	<10	<10	<1	<10	<0.10	2	<1	<10	<0.010
	04-18-96	1130	<1	<10	<10	<1	<10	<0.10	<1	<1	<10	<0.010
K2859	01-19-93	1330	3	<10	4,700	1	310	<0.10	<1	<1	10	<0.010
K3133	09-17-72	1000	<1	<10	230	2	370	<0.10	<1	<1	<10	<0.010
	04-09-96	1015	<1	<10	300	<1	440	<0.10	<1	<1	<10	<0.010
K3151	09-02-92	1055	<1	30	40	5	40	--	<1	<1	10	<0.010

[a] Duplicate sample.

Table 3C. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chromium, total recoverable (µg/L as Cr) (01034)	Copper, total recoverable (µg/L as Cu) (01042)	Iron, total recoverable (µg/L as Fe) (01045)	Lead, total recoverable (µg/L as Pb) (01051)	Manganese, total recoverable (µg/L as Mn) (01055)	Mercury, total recoverable (µg/L as Hg) (71900)	Selenium, total (µg/L as Se) (01147)	Silver, total recoverable (µg/L as Ag) (01077)	Zinc, total recoverable (µg/L as Zn) (01092)	Cyanide, total (mg/L as CN) (00720)
K3151	04-18-96	1000	<1	<10	<10	2	<10	0.20	<1	<1	<10	<0.010
K3214	10-14-92	1120	1	<10	720	4	70	<0.10	2	<1	550	<0.010
	04-16-96	1115	2	<10	<10	3	20	<0.10	1	<1	20	<0.010
K3216	10-14-92	1200	1	<10	150	3	30	<0.10	1	<1	80	<0.010
K3218	10-14-92	1030	3	<10	30	6	<10	<0.10	2	<1	40	<0.010
	04-16-96	1030	3	<10	<10	4	<10	<0.10	1	<1	40	<0.010
K3242	08-26-92	1055	<1	<10	30	1	100	<0.10	1	<1	80	<0.010
	05-20-96	0930	<1	<10	40	1	110	<0.10	1	<1	<10	<0.010
	05-20-96	0931[a]	<1	<10	40	1	110	<0.10	1	<1	<10	<0.010
K3245	09-22-92	1100	77	270	48,000	400	8,600	0.10	<2	3	12,000	0.010
K3246	10-13-92	0955	19	110	36,000	71	470	<0.10	<1	<1	3,300	<0.010
	05-02-96	1100	10	10	15,000	21	190	<0.10	5	<1	1,000	<0.010
K3248	10-29-92	1050	2	80	7,200	14	160	<0.10	3	<1	550	<0.010
	04-17-96	1230	11	250	930	28	150	<0.10	<1	<1	490	<0.010
K3249	10-29-92	1245	18	150	38,000	110	430	<0.10	<1	<1	2,900	0.020
K3250	12-21-92	1030	8	100	42,000	44	1,300	<0.10	<1	<1	840	<0.010
	05-20-96	1130	3	50	41,000	7	1,400	1.8	<1	<1	1,300	<0.010
K3251	10-22-92	1105	<1	<10	3,700	<1	50	<0.10	10	<1	90	<0.010
	04-11-96	1045	<1	10	12,000	11	80	<0.10	7	<1	290	<0.010
K3252	10-21-92	0920	<1	30	16,000	43	430	<0.10	2	<1	790	<0.010
	05-06-96	0930	<1	<10	960	<1	340	<0.10	3	<1	40	0.010
K3253	11-05-92	1130	34	480	12,000	110	140	<0.10	6	<1	1,900	<0.010
	05-15-96	1000	11	150	59,000	190	670	<0.10	7	<1	4,000	0.010
K3254	10-21-92	1045	<1	220	21,000	110	250	<0.10	<1	<1	1,700	<0.010
	05-06-96	1100	1	<10	1,900	1	80	<0.10	2	<1	90	<0.010
K3255	09-03-92	0930	2	90	8,200	160	90	0.10	3	<1	490	0.020
K3256	09-03-92	1210	230	850	730,000	930	2,800	<0.10	2	<1	42,000	<0.010
K3257	11-10-92	1115	180	1,300	240	270	1,000	<0.10	8	<1	5,900	<0.010
K3267	08-27-92	0915	<1	10	40	<1	<10	<0.10	<1	<1	610	<0.010
	07-09-96	1045	1	<10	20	<1	<10	<0.10	2	<1	60	<0.010
K3271	09-02-92	1035	110	260	140,000	1,300	1,300	<0.10	3	<1	18,000	0.060

Table 3C. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chromium, total recoverable (µg/L as Cr) (01034)	Copper, total recoverable (µg/L as Cu) (01042)	Iron, total recoverable (µg/L as Fe) (01045)	Lead, total recoverable (µg/L as Pb) (01051)	Manganese, total recoverable (µg/L as Mn) (01055)	Mercury, total recoverable (µg/L as Hg) (71900)	Selenium, total (µg/L as Se) (01147)	Silver, total recoverable (µg/L as Ag) (01077)	Zinc, total recoverable (µg/L as Zn) (01092)	Cyanide, total (mg/L as CN) (00720)
K3273	11-02-92	1215	58	590	31,000	110	370	<0.10	<1	<1	3,400	<0.010
K3275	11-04-92	1120	110	4,200	44,000	520	960	0.10	<1	<1	7,500	<0.010
	04-17-96	1030	51	1,200	50,000	250	1,300	0.30	5	<1	8,600	0.020
K3276	09-22-92	0950	<1	<10	2,300	3	20	<0.10	6	<1	390	<0.010
	05-09-96	1000	3	<10	690	<1	<10	<0.10	3	<1	280	<0.010
	05-09-96	1001[a]	3	<10	620	<1	10	<0.10	4	<1	250	0.010
K3405	07-18-95	1145	2	<10	100	<1	100	<0.10	2	<1	<10	<0.010
	04-15-96	1130	2	<10	20	<1	40	<0.10	3	<1	<10	<0.010
K3406	07-19-95	1025	4	<10	<10	<1	<10	<0.10	1	<1	<10	<0.010
K3407	08-07-95	0945	<1	50	6,900	<10	3,100	<0.10	<1	<1	50	<0.010
	04-11-96	1015	<1	50	6,000	<20	3,600	0.20	<1	2	40	<0.010
K3410	08-08-95	1200	1	<10	1,100	<1	120	<0.10	<1	<1	<10	<0.010
	04-18-96	1130	9	<10	1,300	<1	120	<0.10	<1	<1	<10	<0.100
K3414	08-07-95	1200	<1	50	20,000	<10	3,000	<0.10	<1	<1	40	<0.010
	04-08-96	1400	<1	50	38,000	<20	3,400	<0.10	<1	<2	<10	<0.010
K3424	07-24-95	0955	2	<10	80	<1	10	<0.10	<2	<1	<10	<0.010
K3425	08-08-95	0900	5	10	1,600	1	330	<0.10	6	<1	10	<0.010
	04-18-96	1200	85	20	1,600	1	220	<0.10	6	1	30	<0.010
K3426	08-28-95	1015	2	30	200,000	<4	5,000	<4.0	<1	<1	1,100	<0.010
	07-02-96	0930	<1	20	270,000	<10	4,300	<0.10	<1	<5	1,200	<0.010
K3430	04-30-96	1200	<1	<10	20	<1	130	<0.10	<1	<1	<10	<0.010
K3431	04-22-96	1230	<1	<10	260	<1	170	<0.10	<1	<1	<10	<0.010
Q273	09-28-92	1300	3	<10	9,700	1	390	<0.10	<1	<1	10	<0.010
Q277	09-08-92	1150	6	<10	760	<1	<10	<0.10	1	<1	<10	<0.010
	04-30-96	1000	6	<10	20	<1	<10	<0.10	2	<1	<10	<0.010
Q287	11-04-92	1300	2	30	63,000	21	390	<0.10	<1	<1	150	<0.010
	07-01-96	1130	<1	10	43,000	12	350	<0.10	<1	<1	70	<0.010
Q470	09-08-92	1255	7	870	54,000	180	120	<0.10	<1	<1	2,200	<0.010
	07-17-96	1150	--	--	--	--	--	--	--	--	--	--

Table 3C. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chromium, total recoverable (µg/L as Cr) (01034)	Copper, total recoverable (µg/L as Cu) (01042)	Iron, total recoverable (µg/L as Fe) (01045)	Lead, total recoverable (µg/L as Pb) (01051)	Manganese, total recoverable (µg/L as Mn) (01055)	Mercury, total recoverable (µg/L as Hg) (71900)	Selenium, total (µg/L as Se) (01147)	Silver, total recoverable (µg/L as Ag) (01077)	Zinc, total recoverable (µg/L as Zn) (01092)	Cyanide, total (mg/L as CN) (00720)
Q471	11-05-92	1045	2	460	9,600	60	30	<0.10	<1	<1	200	<0.010
	06-26-96	1030	1	2,000	28,000	100	20	<0.10	<1	<1	380	<0.010
Q1071	12-03-92	1405	3	<10	13,000	<1	360	<0.10	<1	<1	<10	<0.010
Q1187	11-30-92	1150	6	10	6,300	35	170	0.10	<1	<1	140	<0.010
Q1189	12-01-92	1205	2	40	28,000	56	890	0.30	<1	<1	130	<0.010
	06-17-96	0830	--	--	--	--	--	--	--	--	--	--
Q1237	11-24-92	1330	10	10	12,000	9	380	<0.10	<1	<1	30	0.040
	07-10-96	1230	31	80	58,000	69	850	<0.10	<1	<1	210	<0.010
Q1373	12-21-92	1300	1	50	17,000	2	700	<0.10	<1	<1	30	<0.010
	07-16-96	1130	--	--	--	--	--	--	--	--	--	--
Q1472	08-27-92	1105	<1	10	40	<1	<10	<0.10	<1	<1	40	<0.010
	04-04-96	1200	<1	<10	190	2	10	<0.10	<1	<1	30	<0.010
Q1605	09-10-92	0830	<1	20	20	<1	20	<0.10	1	<1	<10	<0.010
Q1663	09-16-92	0905	3	20	40	<1	<10	<0.10	2	<1	50	<0.010
	04-03-96	0930	1	170	790	3	<10	0.10	<1	<1	20	<0.010
Q1914	09-14-92	1120	<1	170	650	1	<10	0.10	<1	<1	20	<0.010
	04-03-96	1200	3	20	70	<1	<10	<0.10	2	<1	70	<0.010
Q1930	09-29-92	0945	1	40	570	4	900	<0.10	<1	<1	<10	<0.010
	04-23-96	0900	<1	30	53,000	<10	4,100	<0.10	<1	<2	10	<0.010
Q2324	08-26-92	1140	3	10	1,500	14	<10	<0.10	<1	<1	1,000	<0.010
	06-24-96	0930	--	--	--	--	--	--	--	--	--	--
Q2407	09-14-92	1010	<1	90	180	<1	20	<0.10	<1	<1	20	<0.010
	04-22-96	0900	1	90	150	<1	<10	<0.10	<1	<1	100	<0.010
Q2418	09-15-92	1045	<1	<10	27,000	<1	970	<0.10	<1	<1	60	<0.010
	06-12-96	1000	--	--	--	--	--	--	--	--	--	--
Q2419	09-14-92	0945	<1	<10	50	<1	170	0.30	<1	<1	<10	<0.010
	06-11-96	1200	--	--	--	--	--	--	--	--	--	--
Q2420	09-14-92	1000	<1	<10	1,800	<1	170	0.30	<1	<1	10	<0.010
	06-11-96	0930	--	--	--	--	--	--	--	--	--	--
Q2656	09-16-92	1020	2	70	80	<1	110	<0.10	<1	<1	760	<0.010
	04-04-96	1000	2	50	2,400	6	90	<0.10	<1	<1	170	<0.010
Q2791	09-15-92	0940	3	<10	20	<1	<10	<0.10	<1	<1	30	<0.010

Table 3C. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chromium, total recoverable (µg/L as Cr) (01034)	Copper, total recoverable (µg/L as Cu) (01042)	Iron, total recoverable (µg/L as Fe) (01045)	Lead, total recoverable (µg/L as Pb) (01051)	Manganese, total recoverable (µg/L as Mn) (01055)	Mercury, total recoverable (µg/L as Hg) (71900)	Selenium, total (µg/L as Se) (01147)	Silver, total recoverable (µg/L as Ag) (01077)	Zinc, total recoverable (µg/L as Zn) (01092)	Cyanide, total (mg/L as CN) (00720)
Q2791	04-11-96	1045	2	170	100	10	10	<0.10	<1	<1	310	<0.010
Q2814	09-15-92	1055	3	70	3,100	9	30	<0.10	2	<1	90	<0.010
	04-11-96	0915	2	140	1,000	3	20	<0.10	2	<1	60	<0.010
Q2978	09-08-92	1105	<1	<10	370	<1	360	<0.10	<1	<1	<10	<0.010
	04-11-96	1245	<1	10	1,700	3	500	<0.10	<1	<1	40	<0.010
Q2994	08-27-92	0940	<1	40	25,000	10	2,000	<0.10	<1	<1	1,900	<0.010
	06-12-96	0915	--	--	--	--	--	--	--	--	--	--
Q2995	08-27-92	1105	<1	90	16,000	31	1,300	<0.10	<1	<1	1,900	<0.010
	06-12-96	1100	--	--	--	--	--	--	--	--	--	--
Q3003	09-30-92	0950	6	<10	110	2	<10	<0.10	1	<1	<10	<0.010
	06-03-96	0810	5	<10	50	5	<10	<0.10	<1	<1	<10	<0.010
Q3036	09-10-92	0730	20	<10	11,000	2	270	<0.10	<1	<1	<10	<0.010
	04-29-96	1315	1	30	7,500	8	250	<0.10	<1	<1	550	<0.010
Q3109	08-26-92	1010	3	20	40,000	3	4,400	<0.10	<1	<1	<10	<0.010
	05-21-96	0920	1	50	37,000	<5	3,900	<0.10	<1	<4	<10	<0.010
Q3110	08-25-92	1115	<1	10	16,000	<1	2,200	<0.10	<1	<1	20	<0.010
	05-23-96	1155	--	--	--	--	--	--	--	--	--	--
Q3112	08-24-92	1020	<1	<10	440	1	150	<0.10	<1	<1	20	<0.010
	05-23-96	0910	10	<10	470	3	140	<0.10	<1	<1	<10	<0.010
Q3114	08-31-92	1030	<1	<10	4,500	2	170	<0.10	<1	<1	20	<0.010
	05-21-96	1030	<1	<10	3,500	<1	150	<0.10	<1	<1	<10	<0.010
Q3115	08-31-92	0920	3	<10	660	1	230	<0.10	<1	<1	30	<0.010
	05-21-96	1150	4	<10	570	<2	250	<0.10	<1	<4	<10	0.010
Q3117	08-24-92	1130	<1	<10	780	<1	3,000	<0.10	<1	<1	<10	<0.010
	05-23-96	1030	1	<10	2,000	3	2,900	<0.10	<1	<1	<10	<0.010
Q3119	09-09-92	0940	23	270	66,000	160	340	<0.10	<1	<1	2,000	<0.010
	06-25-96	0900	<1	<10	2,600	<1	110	<0.10	<1	<1	180	<0.010
Q3121	09-16-92	1130	20	120	38,000	290	310	0.20	5	<1	2,200	<0.010
Q3134	09-08-92	0930	1	<10	40	<1	100	<0.10	<1	<1	30	<0.010

Table 3C. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chromium, total recoverable (µg/L as Cr) (01034)	Copper, total recoverable (µg/L as Cu) (01042)	Iron, total recoverable (µg/L as Fe) (01045)	Lead, total recoverable (µg/L as Pb) (01051)	Manganese, total recoverable (µg/L as Mn) (01055)	Mercury, total recoverable (µg/L as Hg) (71900)	Selenium, total (µg/L as Se) (01147)	Silver, total recoverable (µg/L as Ag) (01077)	Zinc, total recoverable (µg/L as Zn) (01092)	Cyanide, total (mg/L as CN) (00720)
Q3134	05-13-96	1200	<1	<10	60	<1	100	<0.10	<1	<1	100	<0.010
Q3587	07-17-95	1245	13	<10	5,000	4	990	<0.10	3	<1	20	<0.010
Q3587	06-27-96	1030	--	--	--	--	--	--	--	--	--	--
Q3589	08-10-95	0755	<1	<10	940	<1	190	<0.10	<1	<1	<10	<0.010
	05-20-96	1100	3	<10	940	<1	220	<0.10	<1	<1	<10	<0.010
	05-20-96	1101[a]	<1	<10	880	<1	210	<0.10	<1	<1	<10	0.010
Q3593	07-27-95	0920	3	<10	6,700	1	400	<0.10	<1	<1	10	<0.010
	06-10-96	1100	5	<10	7,000	2	390	<0.10	<1	<1	10	<0.010
Q3604	07-27-95	0900	2	<10	20	<1	<10	<0.10	<1	<1	<10	<0.010
	06-10-96	1000	3	<10	<10	<1	50	<0.10	<1	<1	<10	<0.010
Q3627	08-30-95	1215	1	<10	40	<1	310	0.10	<1	<1	<10	<0.010
	06-19-96	1230	<1	<10	350	<1	230	<0.10	<1	<1	10	<0.010
Q3628	09-05-95	1500	17	<10	280	<1	110	<0.10	<1	5	<10	<0.010
	06-18-96	1100	--	--	--	--	--	--	--	--	--	--
Q3629	09-05-95	1230	10	<10	11,000	2	2,100	<0.10	<1	<1	10	<0.010
	06-18-96	1000	--	--	--	--	--	--	--	--	--	--
Q3644	08-09-95	1000	4	<10	50	19	<10	<0.10	4	<1	<10	<0.010
	06-26-96	0900	4	<10	60	2	<10	<0.10	6	<1	<10	<0.010
Q3646	08-09-95	1145	10	10	6,700	17	240	<0.10	<1	<1	30	<0.010
	06-26-96	1130	<1	<10	2,400	4	160	<0.10	<1	<1	<10	<0.010
Q3648	07-02-96	1030	2	<10	410	<1	130	<0.10	4	<1	<10	<0.010
Q3649	07-24-95	1245	6	<10	830	<1	80	<0.10	3	<1	<10	<0.010
	07-01-96	0855	--	--	--	--	--	--	--	--	--	--
Q3650	04-01-96	1100	<1	<10	170	2	30	<0.10	<1	<1	10	<0.010
Q3651	08-29-95	1120	<1	<10	170	<1	50	<0.10	<1	<1	<10	<0.010
	07-01-96	1145	--	--	--	--	--	--	--	--	--	--
Q3652	06-12-96	1300	--	--	--	--	--	--	--	--	--	--
Q3658	07-02-96	0900	2	<10	40	<1	120	<0.10	<1	<1	<10	<0.010
Q3659	07-25-95	1000	33	30	17,000	12	700	<0.10	<1	<1	60	<0.010
	04-25-96	1200	<1	<10	80	1	110	<0.10	<1	<1	<10	<0.010
Q3660	08-29-95	0900	5	<10	1,900	2	50	<0.10	<1	<1	<10	<0.010
	04-25-96	0830	2	<10	70	<1	<10	<0.10	<1	<1	20	<0.010

Table 3C. Inorganic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chromium, total recoverable (µg/L as Cr) (01034)	Copper, total recoverable (µg/L as Cu) (01042)	Iron, total recoverable (µg/L as Fe) (01045)	Lead, total recoverable (µg/L as Pb) (01051)	Manganese, total recoverable (µg/L as Mn) (01055)	Mercury, total recoverable (µg/L as Hg) (71900)	Selenium, total (µg/L as Se) (01147)	Silver, total recoverable (µg/L as Ag) (01077)	Zinc, total recoverable (µg/L as Zn) (01092)	Cyanide, total (mg/L as CN) (00720)
Q3661	04-25-96	1030	4	<10	780	<1	10	<0.10	<1	<1	10	<0.010
N1429	12-09-92	1145	7	50	8,500	330	2,200	<0.10	<1	<1	21,000	<0.010
N1627	12-10-92	1100	34	260	58,000	260	970	<0.10	<1	<1	1,600	0.010
	05-02-96	1215	15	20	15,000	18	2,000	<0.10	<1	<1	480	<0.010
N3864	11-10-92	1215	<1	<10	850	<1	200	<0.10	<1	<1	30	<0.010
N3867	11-02-92	1145	<1	<10	4,100	<1	<10	<0.10	<1	<1	<10	<0.010
	05-02-96	1015	<1	10	15,000	8	90	<0.10	<1	<1	50	<0.010
N3932	10-07-92	1200	2	<10	2,700	4	30	<0.10	<1	<1	<10	<0.010
	06-05-96	0900	2	30	26,000	13	80	<0.10	<1	<1	50	<0.010
N4026	08-20-92	1005	1	60	2,400	2	30	<0.10	<1	<1	20	<0.010
	08-31-93	0900	--	--	1,600	--	30	--	--	--	--	--
	04-30-96	0905	15	190	36,000	47	310	<0.10	<1	<1	880	<0.010
N4062	11-23-92	1120	1	<10	17,000	47	280	<0.10	<1	<1	30	0.030
	06-05-96	1115	6	120	27,000	430	280	<0.10	<1	<1	80	<0.010
N4213	11-02-92	1115	2	<10	5,700	<1	350	<0.10	<1	<1	<10	<0.010
	04-30-96	1045	3	40	20,000	11	410	<0.10	<1	<1	90	<0.010
N6581	11-30-92	0930	<1	50	200,000	<4	3,600	<0.10	<1	<1	20	<0.010
	05-06-96	1300	3	40	150,000	<10	2,800	<0.10	<1	<4	260	<0.010
N6701	12-15-92	1200	3	20	3,800	88	180	<0.10	<1	<1	9,600	<0.010
N6703	12-15-92	0955	7	40	170,000	140	2,100	<0.10	<1	<1	100,000	<0.010
	05-07-96	1115	20	70	120,000	310	2,000	<0.10	<1	<2	57,000	<0.010
N6707	11-09-92	1300	<1	20	50,000	9	1,100	0.40	<1	<1	2,800	<0.010
	04-30-96	1315	4	70	14,000	38	170	4.5	<1	<1	6,900	<0.010
N6792	08-20-92	1100	<1	<10	3,500	2	90	<0.10	<1	<1	320	<0.010
N7161	10-29-92	1120	<1	<10	4,200	<1	<10	<0.10	<1	<1	<10	0.010
	06-24-96	1000	<1	<10	6,300	<1	20	<0.10	<1	<1	<10	<0.010
N8877	08-19-92	1445	1	<10	5,700	<1	160	<0.10	<1	<1	10	<0.010
	06-11-96	0900	--	--	--	--	--	--	--	--	--	--

Table 4A. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[Values are in micrograms per liter unless otherwise noted; mg/L, milligrams per liter; --, analyses performed by contract laboratory, data available from New York City Department of Environmental Protection. Well locations are shown in fig. 2]

Well number	Date	Sampling time	Methylene blue active substance, mg/L (38260)	PCB, total (39516)	PCN unfiltered, recoverable (39250)	Aldrin, total (39330)	Chlordane, technical, total (39350)	Chlorpyrifos, total recoverable (38932)	Disulfoton, unfiltered, recoverable (39011)	*p,p'*-DDD, unfiltered, recoverable (39360)	*p,p'*-DDE, total (39365)	*p,p'*-DDT unfiltered, recoverable (39370)	DEF, total (39040)	Diazinon, total (39570)
K1673	10-26-92	1035	0.10	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-08-96	1045	<.02	--	--	--	--	--	--	--	--	--	--	--
K1678	10-26-92	1145	.17	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-02-96	1030	<.02	--	--	--	--	--	--	--	--	--	--	--
K1689	08-26-92	0955	.09	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-29-96	0950	<.02	--	--	--	--	--	--	--	--	--	--	--
K2407	09-30-92	1115	.19	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-29-96	1100	.11	--	--	--	--	--	--	--	--	--	--	--
K2412	08-31-92	0930	.07	<0.1	<0.10	<0.01	<0.1	<0.10	<0.10	<0.01	<0.01	<0.01	<0.10	<0.10
	05-13-96	0930	.03	--	--	--	--	--	--	--	--	--	--	--
K2482	09-03-92	0945	.09	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	07-09-96	0900	<.02	--	--	--	--	--	--	--	--	--	--	--
	07-09-96	0901[a]	<.02	--	--	--	--	--	--	--	--	--	--	--
K2510	09-01-92	0925	1.8	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-17-96	0930	.07	--	--	--	--	--	--	--	--	--	--	--
K2511	04-17-96	1030	.13	--	--	--	--	--	--	--	--	--	--	--
K2582	08-31-92	1100	.10	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-01-96	0930	<.02	--	--	--	--	--	--	--	--	--	--	--
K2598	09-17-92	1115	.09	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-15-96	1000	.02	--	--	--	--	--	--	--	--	--	--	--
K2610	09-02-92	0925	.11	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-02-96	1200	<.02	--	--	--	--	--	--	--	--	--	--	--
K2622	09-03-92	1120	.04	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-18-96	1130	<.02	--	--	--	--	--	--	--	--	--	--	--
K2859	01-19-93	1330	.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K3133	09-17-92	1000	.04	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-09-96	1015	<.02	--	--	--	--	--	--	--	--	--	--	--
K3151	09-02-92	1055	.12	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

[a] Duplicate sample.

Table 4A. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Methylene blue active substance, mg/L (38260)	PCB, total (39516)	PCN unfiltered, recoverable (39250)	Aldrin, total (39330)	Chlordane, technical, total (39350)	Chlorpyrifos, total recoverable (38932)	Disulfoton, unfiltered, recoverable (39011)	*p,p'*-DDD, unfiltered, recoverable (39360)	*p,p'*-DDE, total (39365)	*p,p'*-DDT unfiltered, recoverable (39370)	DEF, total (39040)	Diazinon, total (39570)
K3151	04-18-96	1000	<0.02	--	--	--	--	--	--	--	--	--	--	--
K3214	10-14-92	1120	.12	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-16-96	1115	<.02	--	--	--	--	--	--	--	--	--	--	--
K3216	10-14-92	1200	.10	<0.1	<0.10	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K3218	10-14-92	1030	.11	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-16-96	1030	<.02	--	--	--	--	--	--	--	--	--	--	--
K3242	08-26-92	1055	.13	<0.1	<0.10	<0.01	<0.1	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-20-96	0930	<.02	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	0931[a]	.03	--	--	--	--	--	--	--	--	--	--	--
K3245	09-22-92	1100	<.01	<0.1	<0.10	<0.01	<0.1	<0.10	<0.10	<0.01	<0.01	<0.01	<0.10	<0.10
K3246	10-13-92	0955	.08	<0.1	<0.10	<0.01	<0.1	<0.10	<0.10	<0.01	<0.01	<0.01	<0.01	<0.10
	05-02-96	1100	.04	--	--	--	--	--	--	--	--	--	--	--
K3248	10-29-92	1050	.12	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-17-96	1230	.02	--	--	--	--	--	--	--	--	--	--	--
K3249	10-29-92	1245	.15	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K3250	12-21-92	1030	.12	<0.1	<0.10	<0.01	<0.1	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.10
	05-20-96	1130	.08	--	--	--	--	--	--	--	--	--	--	--
K3251	10-22-92	1105	.10	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-11-96	1045	<.02	--	--	--	--	--	--	--	--	--	--	--
K3252	10-21-92	0920	.14	0.9	<0.10	<0.01	<0.1	<0.10	<0.10	<0.02	<0.01	<0.01	<0.05	<0.10
	05-06-96	0930	.04	--	--	--	--	--	--	--	--	--	--	--
K3253	11-05-92	1130	.13	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-15-96	1000	.05	--	--	--	--	--	--	--	--	--	--	--
K3254	10-21-92	1045	.08	0.8	<0.10	<0.01	<0.1	<0.10	<0.10	<0.02	<0.01	<0.01	<0.01	<0.10
	05-06-96	1100	.02	--	--	--	--	--	--	--	--	--	--	--
K3255	09-03-92	0930	.13	<0.1	<0.10	<0.01	<0.1	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K3256	09-03-92	1210	.17	0.1	<0.10	<0.01	<0.1	<1.0	<1.0	<0.01	<0.01	<0.01	<0.10	<1.0
K3257	11-10-92	1115	.09	<0.10	<0.10	<0.01	<0.1	<1.0	<1.0	<0.01	<0.01	<0.01	<0.10	<1.0
K3267	08-27-92	0915	.13	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	07-09-96	1045	<.02	--	--	--	--	--	--	--	--	--	--	--

Table 4A. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Methylene blue active substance, mg/L (38260)	PCB, total (39516)	PCN unfiltered, recoverable (39250)	Aldrin, total (39330)	Chlordane, technical, total (39350)	Chlorpyrifos, total recoverable (38932)	Disulfoton, unfiltered, recoverable (39011)	*p,p'*-DDD, unfiltered, recoverable (39360)	*p,p'*-DDE, total (39365)	*p,p'*-DDT unfiltered, recoverable (39370)	DEF, total (39040)	Diazinon, total (39570)
K3271	09-02-92	1035	0.11	0.1	<0.10	<0.01	<0.1	<1.0	<1.0	<0.01	<0.01	<0.01	<0.10	<1.0
K3273	11-02-92	1215	.12	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K3275	11-04-92	1120	.18	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-17-96	1030	.03	--	--	--	--	--	--	--	--	--	--	--
K3276	09-22-92	0950	.08	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-09-96	1000	.02	--	--	--	--	--	--	--	--	--	--	--
	05-09-96	1001[a]	<.02	--	--	--	--	--	--	--	--	--	--	--
K3405	07-18-95	1145	<.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-15-96	1130	<.02	--	--	--	--	--	--	--	--	--	--	--
K3406	07-19-95	1025	<.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K3407	08-07-95	0945	<.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-11-96	1015	.14	--	--	--	--	--	--	--	--	--	--	--
K3410	08-08-95	1200	<.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-18-96	1130	<.02	--	--	--	--	--	--	--	--	--	--	--
K3414	08-07-95	1200	.09	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-08-96	1400	.06	--	--	--	--	--	--	--	--	--	--	--
K3424	07-24-95	0955	<.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K3425	08-08-95	0900	.03	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-18-96	1200	<.02	--	--	--	--	--	--	--	--	--	--	--
K3426	08-28-95	1015	.09	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	07-02-96	0930	.02	--	--	--	--	--	--	--	--	--	--	--
K3430	04-30-96	1200	<.02	--	--	--	--	--	--	--	--	--	--	--
K3431	04-22-96	1230	<.02	--	--	--	--	--	--	--	--	--	--	--
Q273	09-28-92	1300	.01	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Q277	09-08-92	1150	.06	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-30-96	1000	<.02	--	--	--	--	--	--	--	--	--	--	--
Q287	11-04-92	1300	.07	<0.1	<0.10	<0.01	<0.1	<1.0	<1.0	<0.01	<0.01	<0.01	<0.10	<1.0
	07-01-96	1130	.02	--	--	--	--	--	--	--	--	--	--	--
Q470	09-08-92	1255	.05	<0.1	<0.10	<0.01	<0.1	<0.10	<0.10	<0.01	<0.01	<0.01	<0.10	<0.10
	07-17-96	1150	--	--	--	--	--	--	--	--	--	--	--	--
Q471	11-05-92	1045	.03	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Table 4A. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Methylene blue active substance, mg/L (38260)	PCB, total (39516)	PCN unfiltered, recoverable (39250)	Aldrin, total (39330)	Chlordane, technical, total (39350)	Chlorpyrifos, total recoverable (38932)	Disulfoton, unfiltered, recoverable (39011)	*p,p'*-DDD, unfiltered, recoverable (39360)	*p,p'*-DDE, total (39365)	*p,p'*-DDT unfiltered, recoverable (39370)	DEF, total (39040)	Diazinon, total (39570)
Q471	06-26-96	1030	<0.02	--	--	--	--	--	--	--	--	--	--	--
Q1071	12-03-92	1405	.03	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Q1187	11-30-92	1150	.03	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Q1189	12-01-92	1205	.04	<0.1	<0.10	<0.01	<0.1	<0.10	<0.10	<0.01	<0.01	<0.01	<0.01	<0.10
	06-17-96	0830	--	--	--	--	--	--	--	--	--	--	--	--
Q1237	11-24-92	1330	.09	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	07-10-96	1230	.09	--	--	--	--	--	--	--	--	--	--	--
Q1373	12-21-92	1300	.16	<0.1	<0.10	<0.01	<0.1	<0.20	<0.20	<0.01	<0.01	<0.01	<0.10	<0.20
	07-16-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q1472	08-27-92	1105	.05	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-04-96	1200	<.02	--	--	--	--	--	--	--	--	--	--	--
Q1605	09-10-92	0830	.08	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Q1663	09-16-92	0905	.13	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-03-96	0930	<.02	--	--	--	--	--	--	--	--	--	--	--
Q1914	09-14-92	1120	.09	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-03-96	1200	<.02	--	--	--	--	--	--	--	--	--	--	--
Q1930	09-29-92	0945	.87	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-23-96	0900	.04	--	--	--	--	--	--	--	--	--	--	--
Q2324	08-26-92	1140	.14	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-24-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q2407	09-14-92	1010	.09	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-22-96	0900	<.02	--	--	--	--	--	--	--	--	--	--	--
Q2418	09-15-92	1045	.08	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-12-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q2419	09-14-92	0945	.01	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-11-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q2420	09-14-92	1000	.01	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-11-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q2656	09-16-92	1020	.07	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-04-96	1000	<.02	--	--	--	--	--	--	--	--	--	--	--

Table 4A. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Methylene blue active substance, mg/L (38260)	PCB, total (39516)	PCN unfiltered, recoverable (39250)	Aldrin, total (39330)	Chlordane, technical, total (39350)	Chlorpyrifos, total recoverable (38932)	Disulfoton, unfiltered, recoverable (39011)	*p,p'*-DDD, unfiltered, recoverable (39360)	*p,p'*-DDE, total (39365)	*p,p'*-DDT unfiltered, recoverable (39370)	DEF, total (39040)	Diazinon, total (39570)
Q2791	09-15-92	0940	0.10	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-11-96	1045	<.02	--	--	--	--	--	--	--	--	--	--	--
Q2814	09-15-92	1055	.11	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-11-96	0915	<.02	--	--	--	--	--	--	--	--	--	--	--
Q2978	09-08-92	1105	.04	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-11-96	1245	<.02	--	--	--	--	--	--	--	--	--	--	--
Q2994	08-27-92	0940	.06	<0.1	<0.10	<0.01	<0.1	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
	06-12-96	0915	--	--	--	--	--	--	--	--	--	--	--	--
Q2995	08-27-92	1105	.05	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-12-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3003	09-30-92	0950	.04	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-03-96	0810	<.02	--	--	--	--	--	--	--	--	--	--	--
Q3036	09-10-92	0730	.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-29-96	1315	<.02	--	--	--	--	--	--	--	--	--	--	--
Q3109	08-26-92	1010	.44	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-21-96	0920	.10	--	--	--	--	--	--	--	--	--	--	--
Q3110	08-25-92	1115	.33	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-23-96	1155	--	--	--	--	--	--	--	--	--	--	--	--
Q3112	08-24-92	1020	.06	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-23-96	0910	<.02	--	--	--	--	--	--	--	--	--	--	--
Q3114	08-31-92	1030	.06	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-21-96	1030	.03	--	--	--	--	--	--	--	--	--	--	--
Q3115	08-31-92	0920	.22	<0.1	<0.10	<0.01	<0.1	<1.0	<1.0	<0.01	<0.01	<0.01	<0.10	<1.0
	05-21-96	1150	.08	--	--	--	--	--	--	--	--	--	--	--
Q3117	08-24-92	1130	.07	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-23-96	1030	<.02	--	--	--	--	--	--	--	--	--	--	--
Q3119	09-09-92	0940	.08	<0.1	<0.10	<0.01	<0.1	<0.10	<0.10	<0.01	<0.01	<0.01	<0.10	<0.10
	06-25-96	0900	<.02	--	--	--	--	--	--	--	--	--	--	--
Q3121	09-16-92	1130	.09	0.1	<0.10	<0.01	<0.1	<0.10	<0.10	<0.02	<0.01	0.02	<0.10	<0.10
Q3134	09-08-92	0930	.04	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-13-96	1200	.03	--	--	--	--	--	--	--	--	--	--	--

Table 4A. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Methylene blue active substance, mg/L (38260)	PCB, total (39516)	PCN unfiltered, recoverable (39250)	Aldrin, total (39330)	Chlordane, technical, total (39350)	Chlorpyrifos, total recoverable (38932)	Disulfoton, unfiltered, recoverable (39011)	*p,p'*-DDD, unfiltered, recoverable (39360)	*p,p'*-DDE, total (39365)	*p,p'*-DDT unfiltered, recoverable (39370)	DEF, total (39040)	Diazinon, total (39570)
Q3587	07-17-95	1245	<0.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-27-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3589	08-10-95	0755	<.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-20-96	1100	<.02	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	1101[a]	<.02	--	--	--	--	--	--	--	--	--	--	--
Q3593	07-27-95	0920	<.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-10-96	1100	<.02	--	--	--	--	--	--	--	--	--	--	--
Q3604	07-27-95	0900	<.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-10-96	1000	<.02	--	--	--	--	--	--	--	--	--	--	--
Q3627	08-30-95	1215	<.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-19-96	1230	.03	--	--	--	--	--	--	--	--	--	--	--
Q3628	09-05-95	1500	<.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-18-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3629	09-05-95	1230	.05	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q3644	08-09-95	1000	<.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-26-96	0900	.04	--	--	--	--	--	--	--	--	--	--	--
Q3646	08-09-95	1145	.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01
	06-26-96	1130	<.02	--	--	--	--	--	--	--	--	--	--	--
Q3648	07-02-96	1030	<.02	--	--	--	--	--	--	--	--	--	--	--
Q3649	07-24-95	1245	<.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	07-01-96	0855	--	--	--	--	--	--	--	--	--	--	--	--
Q3650	04-01-96	1100	<.02	--	--	--	--	--	--	--	--	--	--	--
Q3651	08-29-95	1120	<.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	07-01-96	1145	--	--	--	--	--	--	--	--	--	--	--	--
Q3652	06-12-96	1300	--	--	--	--	--	--	--	--	--	--	--	--
Q3658	07-02-96	0900	<.02	--	--	--	--	--	--	--	--	--	--	--
Q3659	07-25-95	1000	<.02	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-25-96	1200	<.02	--	--	--	--	--	--	--	--	--	--	--
Q3660	08-29-95	0900	.04	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-25-96	0830	<.02	--	--	--	--	--	--	--	--	--	--	--

Table 4A. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Methylene blue active substance, mg/L (38260)	PCB, total (39516)	PCN unfiltered, recoverable (39250)	Aldrin, total (39330)	Chlordane, technical, total (39350)	Chlorpyrifos, total recoverable (38932)	Disulfoton, unfiltered, recoverable (39011)	*p,p'*-DDD, unfiltered, recoverable (39360)	*p,p'*-DDE, total (39365)	*p,p'*-DDT unfiltered, recoverable (39370)	DEF, total (39040)	Diazinon, total (39570)
Q3661	04-25-96	1030	<0.02	--	--	--	--	--	--	--	--	--	--	--
N1429	12-09-92	1145	.06	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N1627	12-10-92	1100	.08	<0.1	<0.10	<0.01	0.1	<1.0	<1.0	<0.01	<0.01	<0.01	<0.10	<1.0
	05-02-96	1215	.05	--	--	--	--	--	--	--	--	--	--	--
N3864	11-10-92	1215	.04	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N3867	11-02-92	1145	.01	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-02-96	1015	.05	--	--	--	--	--	--	--	--	--	--	--
N3932	10-07-92	1200	.01	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-05-96	0900	.03	--	--	--	--	--	--	--	--	--	--	--
N4026	08-20-92	1005	.01	<0.1	<0.10	<0.01	<0.1	<0.05	<0.05	<0.01	<0.01	<0.01	<0.05	<0.05
	08-31-93	0900	<.02	--	--	--	--	--	--	--	--	--	--	--
	04-30-96	0905	.05	--	--	--	--	--	--	--	--	--	--	--
N4062	11-23-92	1120	.01	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-05-96	1115	.02	--	--	--	--	--	--	--	--	--	--	--
N4213	11-02-92	1115	.04	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-30-96	1045	.03	--	--	--	--	--	--	--	--	--	--	--
N6581	11-30-92	0930	1.4	<0.1	<0.10	<0.01	<0.1	<0.10	<0.10	<0.01	<0.01	<0.01	<0.01	<0.10
	05-06-96	1300	.10	--	--	--	--	--	--	--	--	--	--	--
N6701	12-15-92	1200	.05	<0.1	<0.10	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N6703	12-15-92	0955	.43	<0.1	<0.10	<0.01	1.1	<0.01	<0.01	0.06	<0.01	<0.01	<0.01	<0.01
	05-07-96	1115	.12	--	--	--	--	--	--	--	--	--	--	--
N6707	11-09-92	1300	.22	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-30-96	1315	.07	--	--	--	--	--	--	--	--	--	--	--
N6792	08-20-92	1100	.01	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N7161	10-29-92	1120	<.01	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-24-96	1000	<.02	--	--	--	--	--	--	--	--	--	--	--
N8877	08-19-92	1445	<.04	<0.1	<0.10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-11-96	0900	--	--	--	--	--	--	--	--	--	--	--	--

Table 4B. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[Values are in micrograms per liter unless otherwise noted; mg/L, milligrams per liter; --, analyses performed by contract laboratory, data available from New York City Department of Environmental Protection. Well locations are shown in fig. 2]

Well number	Date	Sampling time	Dieldrin, total (39380)	Endosulfan I, total (39388)	Endrin, water, unfiltered, recoverable (39390)	Ethion, total (39398)	Fonofos (Dyfonate), whole water, total recoverable (82614)	Heptachlor, total (39410)	Heptachlor epoxide, total (39420)	Lindane, total (39340)	Malathion, total (39530)	Methyl parathion, total (39600)	Methoxychlor, total (39480)	Mirex, total (39755)
K1673	10-26-92	1035	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-08-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
K1678	10-26-92	1145	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K1689	08-26-92	0955	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-29-96	0950	--	--	--	--	--	--	--	--	--	--	--	--
K2407	09-30-92	1115	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-29-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K2412	08-31-92	0930	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01
	05-13-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2482	09-03-92	0945	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	07-09-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
	07-09-96	0901[a]	--	--	--	--	--	--	--	--	--	--	--	--
K2510	09-01-92	0925	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-17-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2511	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K2582	08-31-92	1100	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-01-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2598	09-17-92	1115	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K2610	09-02-92	0925	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-02-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K2622	09-03-92	1120	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K2859	01-19-93	1330	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K3133	09-17-92	1000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-09-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
K3151	09-02-92	1055	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

[a] Duplicate sample.

Table 4B. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Dieldrin, total (39380)	Endo-sulfan I, total (39388)	Endrin, water, unfiltered, recoverable (39390)	Ethion, total (39398)	Fonofos (Dyfonate), whole water, total recoverable (82614)	Heptachlor, total (39410)	Heptachlor epoxide, total (39420)	Lindane, total (39340)	Malathion, total (39530)	Methyl parathion, total (39600)	Methoxy-chlor, total (39480)	Mirex, total (39755)
K3151	04-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K3214	10-14-92	1120	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-16-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
K3216	10-14-92	1200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K3218	10-14-92	1030	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-16-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K3242	08-26-92	1055	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-20-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	0931[a]	--	--	--	--	--	--	--	--	--	--	--	--
K3245	09-22-92	1100	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01
K3246	10-13-92	0955	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01
	05-02-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K3248	10-29-92	1050	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-17-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
K3249	10-29-92	1245	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K3250	12-21-92	1030	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-20-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3251	10-22-92	1105	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
K3252	10-21-92	0920	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01
	05-06-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K3253	11-05-92	1130	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K3254	10-21-92	1045	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01
	05-06-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K3255	09-03-92	0930	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K3256	09-03-92	1210	<0.01	<0.01	<0.01	<0.10	<1.0	<0.01	<0.01	<0.01	<1.0	<1.0	<0.01	<0.01
K3257	11-10-92	1115	<0.01	<0.01	<0.01	<0.10	<1.0	<0.01	<0.01	<0.01	<1.0	<1.0	<0.01	<0.01
K3267	08-27-92	0915	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	07-09-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
K3271	09-02-92	1035	<0.01	<0.01	<0.01	<0.10	<1.0	<0.01	<0.01	<0.01	<1.0	<1.0	<0.01	<0.01

Table 4B. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Dieldrin, total (39380)	Endo-sulfan I, total (39388)	Endrin, water, unfiltered, recoverable (39390)	Ethion, total (39398)	Fonofos (Dyfonate), whole water, total recoverable (82614)	Heptachlor, total (39410)	Heptachlor epoxide, total (39420)	Lindane, total (39340)	Malathion, total (39530)	Methyl parathion, total (39600)	Methoxy-chlor, total (39480)	Mirex, total (39755)
K3273	11-02-92	1215	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K3275	11-04-92	1120	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K3276	09-22-92	0950	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-09-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
	05-09-96	1001[a]	--	--	--	--	--	--	--	--	--	--	--	--
K3405	07-18-95	1145	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-15-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3406	07-19-95	1025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K3407	08-07-95	0945	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-11-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
K3410	08-08-95	1200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3414	08-07-95	1200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-08-96	1400	--	--	--	--	--	--	--	--	--	--	--	--
K3424	07-24-95	0955	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K3425	08-08-95	0900	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-18-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K3426	08-28-95	1015	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	07-02-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K3430	04-30-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K3431	04-22-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q273	09-28-92	1300	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Q277	09-08-92	1150	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-30-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q287	11-04-92	1300	<0.01	<0.01	<0.01	<0.10	<1.0	<0.01	<0.01	<0.01	<1.0	<1.0	<0.01	<0.01
	07-01-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q470	09-08-92	1255	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01
	07-17-96	1150	--	--	--	--	--	--	--	--	--	--	--	--
Q471	11-05-92	1045	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-26-96	1030	--	--	--	--	--	--	--	--	--	--	--	--

Table 4B. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Dieldrin, total (39380)	Endo-sulfan I, total (39388)	Endrin, water, unfiltered, recoverable (39390)	Ethion, total (39398)	Fonofos (Dyfonate), whole water, total recoverable (82614)	Heptachlor, total (39410)	Heptachlor epoxide, total (39420)	Lindane, total (39340)	Malathion, total (39530)	Methyl parathion, total (39600)	Methoxy-chlor, total (39480)	Mirex, total (39755)
Q1071	12-03-92	1405	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Q1187	11-30-92	1150	<0.01	<0.01	<0.01	<0.10	<1.0	<0.01	<0.01	<0.01	<1.0	<1.0	<0.01	<0.01
Q1189	12-01-92	1205	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01
	06-17-96	0830	--	--	--	--	--	--	--	--	--	--	--	--
Q1237	11-24-92	1330	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	07-10-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q1373	12-21-92	1300	<0.01	<0.01	<0.01	<0.10	<0.20	<0.01	<0.01	<0.01	0.20	0.20	<0.01	<0.01
	07-16-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q1472	08-27-92	1105	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-04-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q1605	09-10-92	0830	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Q1663	09-16-92	0905	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-03-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q1914	09-14-92	1120	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-03-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q1930	09-29-92	0945	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-23-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q2324	08-26-92	1140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-24-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q2407	09-14-92	1010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-22-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q2418	09-15-92	1045	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-12-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q2419	09-14-92	0945	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-11-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q2420	09-14-92	1000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-11-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q2656	09-16-92	1020	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-04-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q2791	09-15-92	0940	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Table 4B. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Dieldrin, total (39380)	Endo-sulfan I, total (39388)	Endrin, water, unfiltered, recoverable (39390)	Ethion, total (39398)	Fonofos (Dyfonate), whole water, total recoverable (82614)	Heptachlor, total (39410)	Heptachlor epoxide, total (39420)	Lindane, total (39340)	Malathion, total (39530)	Methyl parathion, total (39600)	Methoxy-chlor, total (39480)	Mirex, total (39755)
Q2791	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
Q2814	09-15-92	1055	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-11-96	0915	--	--	--	--	--	--	--	--	--	--	--	--
Q2978	09-08-92	1105	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-11-96	1245	--	--	--	--	--	--	--	--	--	--	--	--
Q2994	08-27-92	0940	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-12-96	0915	--	--	--	--	--	--	--	--	--	--	--	--
Q2995	08-27-92	1105	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-12-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3003	09-30-92	0950	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-03-96	0810	--	--	--	--	--	--	--	--	--	--	--	--
Q3036	09-10-92	0730	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-29-96	1315	--	--	--	--	--	--	--	--	--	--	--	--
Q3109	08-26-92	1010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-21-96	0920	--	--	--	--	--	--	--	--	--	--	--	--
Q3110	08-25-92	1115	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-23-96	1155	--	--	--	--	--	--	--	--	--	--	--	--
Q3112	08-24-92	1020	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-23-96	0910	--	--	--	--	--	--	--	--	--	--	--	--
Q3114	08-31-92	1030	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-21-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3115	08-31-92	0920	<0.01	<0.01	<0.01	<0.10	<1.0	<0.01	<0.01	<0.01	<1.0	<1.0	<0.01	<0.01
	05-21-96	1150	--	--	--	--	--	--	--	--	--	--	--	--
Q3117	08-24-92	1130	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-23-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3119	09-09-92	0940	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01
	06-25-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3121	09-16-92	1130	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01
Q3134	09-08-92	0930	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-13-96	1200	--	--	--	--	--	--	--	--	--	--	--	--

Table 4B. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Dieldrin, total (39380)	Endo-sulfan I, total (39388)	Endrin, water, unfiltered, recoverable (39390)	Ethion, total (39398)	Fonofos (Dyfonate), whole water, total recoverable (82614)	Heptachlor, total (39410)	Heptachlor epoxide, total (39420)	Lindane, total (39340)	Malathion, total (39530)	Methyl parathion, total (39600)	Methoxy-chlor, total (39480)	Mirex, total (39755)
Q3587	07-17-95	1245	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-27-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3589	08-10-95	0755	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-20-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	1101[a]	--	--	--	--	--	--	--	--	--	--	--	--
Q3593	07-27-95	0920	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-10-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3604	07-27-95	0900	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-10-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q3627	08-30-95	1215	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-19-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q3628	09-05-95	1500	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-18-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3629	09-05-95	1230	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q3644	08-09-95	1000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-26-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3646	08-09-95	1145	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-26-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q3648	07-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3649	07-24-95	1245	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	07-01-96	0855	--	--	--	--	--	--	--	--	--	--	--	--
Q3650	04-01-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3651	08-29-95	1120	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	07-01-96	1145	--	--	--	--	--	--	--	--	--	--	--	--
Q3652	06-12-96	1300	--	--	--	--	--	--	--	--	--	--	--	--
Q3658	07-02-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3659	07-25-95	1000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-25-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q3660	08-29-95	0900	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Table 4B. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Dieldrin, total (39380)	Endo-sulfan I, total (39388)	Endrin, water, unfiltered, recoverable (39390)	Ethion, total (39398)	Fonofos (Dyfonate), whole water, total recoverable (82614)	Heptachlor, total (39410)	Heptachlor epoxide, total (39420)	Lindane, total (39340)	Malathion, total (39530)	Methyl parathion, total (39600)	Methoxy-chlor, total (39480)	Mirex, total (39755)
Q3660	04-25-96	0830	--	--	--	--	--	--	--	--	--	--	--	--
Q3661	04-25-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
N1429	12-09-92	1145	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N1627	12-10-92	1100	<0.01	<0.01	<0.01	<0.10	<1.0	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01
	05-02-96	1215	--	--	--	--	--	--	--	--	--	--	--	--
N3864	11-10-92	1215	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N3867	11-02-92	1145	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-02-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
N3932	10-07-92	1200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-05-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
N4026	08-20-92	1005	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01
	08-31-93	0900	--	--	--	--	--	--	--	--	--	--	--	--
	04-30-96	0905	--	--	--	--	--	--	--	--	--	--	--	--
N4062	11-23-92	1120	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-05-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
N4213	11-02-92	1115	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-30-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
N6581	11-30-92	0930	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01
	05-06-96	1300	--	--	--	--	--	--	--	--	--	--	--	--
N6701	12-15-92	1200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N6703	12-15-92	0955	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	05-07-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
N6707	11-09-92	1300	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	04-30-96	1315	--	--	--	--	--	--	--	--	--	--	--	--
N6792	08-20-92	1100	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N7161	10-29-92	1120	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-24-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
N8877	08-19-92	1445	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	06-11-96	0900	--	--	--	--	--	--	--	--	--	--	--	--

Table 4C. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[Values are in micrograms per liter unless otherwise noted; mg/L, milligrams per liter; --, analyses performed by contract laboratory, data available from New York City Department of Environmental Protection; ND, no data available. Well locations are shown in fig. 2]

Well number	Date	Sampling time	Parathion, total (39540)	Phorate, total (39023)	Perthane, total (39034)	Silvex, total (39760)	Toxaphene, total (39400)	Carbophenothion, total (39786)	2,4-D, total (39730)	2,4-DP, total (82183)	2,4,5-T, total (39740)	Acenaphthene, total (34205)	Acenaphthylene, total (34200)	Acrolein, total (34210)	Acrylonitrile, total (34215)
K1673	10-26-92	1035	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-08-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
K1678	10-26-92	1145	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K1689	08-26-92	0955	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-29-96	0950	--	--	--	--	--	--	--	--	--	--	--	--	--
K2407	09-30-92	1115	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-29-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
K2412	08-31-92	0930	<0.10	<0.10	<0.1	ND	<1	<0.100	ND	ND	ND	<5.0	<5.0	<20	<20
	05-13-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K2482	09-03-92	0945	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	07-09-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
	07-09-96	0901[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
K2510	09-01-92	0925	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-17-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K2511	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K2582	08-31-92	1100	<0.01	<0.01	<0.1	ND	<1	<0.01	ND	ND	ND	<5.0	<5.0	<20	<20
	05-01-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K2598	09-17-92	1115	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
K2610	09-02-92	0925	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-02-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
K2622	09-03-92	1120	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K2859	01-19-93	1330	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
K3133	09-17-92	1000	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-09-96	1015	--	--	--	--	--	--	--	--	--	--	--	--	--
K3151	09-02-92	1055	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20

[a] Duplicate sample.

Table 4C. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Parathion, total (39540)	Phorate, total (39023)	Perthane, total (39034)	Silvex, total (39760)	Toxaphene, total (39400)	Carbophenothion, total (39786)	2,4-D, total (39730)	2,4-DP, total (82183)	2,4,5-T, total (39740)	Acenaphthene, total (34205)	Acenaphthylene, total (34200)	Acrolein, total (34210)	Acrylonitrile, total (34215)
K3151	04-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
K3214	10-14-92	1120	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-16-96	1115	--	--	--	--	--	--	--	--	--	--	--	--	--
K3216	10-14-92	1200	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
K3218	10-14-92	1030	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-16-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K3242	08-26-92	1055	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-20-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	0931[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
K3245	09-22-92	1100	<0.10	<0.10	<0.1	<0.01	<1	<0.10	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
K3246	10-13-92	0955	<0.10	<0.10	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-02-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
K3248	10-29-92	1050	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-17-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
K3249	10-29-92	1245	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
K3250	12-21-92	1030	<0.01	<0.10	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-20-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K3251	10-22-92	1105	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
K3252	10-21-92	0920	<0.10	<0.10	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-06-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K3253	11-05-92	1130	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
K3254	10-21-92	1045	<0.10	<0.10	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-06-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
K3255	09-03-92	0930	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
K3256	09-03-92	1210	<1.0	<1.0	<0.1	<0.01	<1	<0.10	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
K3257	11-10-92	1115	<1.0	<1.0	<0.1	<0.01	<1	<0.10	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
K3267	08-27-92	0915	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	07-09-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
K3271	09-02-92	1035	<1.0	<1.0	<0.1	<0.01	<1	<0.10	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20

Table 4C. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Parathion, total (39540)	Phorate, total (39023)	Perthane, total (39034)	Silvex, total (39760)	Toxaphene, total (39400)	Carbophenothion, total (39786)	2,4-D, total (39730)	2,4-DP, total (82183)	2,4,5-T, total (39740)	Acenaphthene, total (34205)	Acenaphthylene, total (34200)	Acrolein, total (34210)	Acrylonitrile, total (34215)
K3273	11-02-92	1215	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
K3275	11-04-92	1120	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-17-96	1030	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--
K3276	09-22-92	0950	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-09-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
	05-09-96	1001[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
K3405	07-18-95	1145	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	04-15-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K3406	07-19-95	1025	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
K3407	08-07-95	0945	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	04-11-96	1015	--	--	--	--	--	--	--	--	--	--	--	--	--
K3410	08-08-95	1200	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K3414	08-07-95	1200	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	04-08-96	1400	--	--	--	--	--	--	--	--	--	--	--	--	--
K3424	07-24-95	0955	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
K3425	08-08-95	0900	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	04-18-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
K3426	08-28-95	1015	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	07-02-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K3430	04-30-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
K3431	04-22-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
Q273	09-28-92	1300	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
Q277	09-08-92	1150	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-30-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q287	11-04-92	1300	<0.01	<0.01	<0.1	<0.01	<1	<0.10	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	07-01-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
Q470	09-08-92	1255	<0.01	<0.01	<0.1	<0.01	<1	<0.10	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	07-17-96	1150	--	--	--	--	--	--	--	--	--	--	--	--	--
Q471	11-05-92	1045	<0.01	<0.01	<0.1	--	<1	<0.01	--	--	--	<5.0	<5.0	<20	<20
	06-26-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4C. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Parathion, total (39540)	Phorate, total (39023)	Perthane, total (39034)	Silvex, total (39760)	Toxaphene, total (39400)	Carbophenothion, total (39786)	2,4-D, total (39730)	2,4-DP, total (82183)	2,4,5-T, total (39740)	Acenaphthene, total (34205)	Acenaphthylene, total (34200)	Acrolein, total (34210)	Acrylonitrile, total (34215)
Q1071	12-03-92	1405	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
Q1187	11-30-92	1150	<0.01	<0.01	<0.1	--	<1	<0.01	--	--	--	<5.0	<5.0	<20	<20
Q1189	12-01-92	1205	<0.10	<0.10	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	06-17-96	0830	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1237	11-24-92	1330	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	07-10-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1373	12-21-92	1300	<0.20	<0.20	<0.1	<0.01	<1	<0.10	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	07-16-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1472	08-27-92	1105	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-04-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1605	09-10-92	0830	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
Q1663	09-16-92	0905	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-03-96	0930	<0.10	<0.10	--	--	--	--	--	--	--	--	--	--	--
Q1914	09-14-92	1120	--	--	<0.1	--	<1	<0.01	--	--	--	<5.0	<5.0	<20	<20
	04-03-96	1200	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--
Q1930	09-29-92	0945	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-23-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2324	08-26-92	1140	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	06-24-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2407	09-14-92	1010	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-22-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2418	09-15-92	1045	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	06-12-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2419	09-14-92	0945	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	06-11-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2420	09-14-92	1000	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	06-11-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2656	09-16-92	1020	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-04-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2791	09-15-92	0940	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4C. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Parathion, total (39540)	Phorate, total (39023)	Perthane, total (39034)	Silvex, total (39760)	Toxaphene, total (39400)	Carbophenothion, total (39786)	2,4-D, total (39730)	2,4-DP, total (82183)	2,4,5-T, total (39740)	Acenaphthene, total (34205)	Acenaphthylene, total (34200)	Acrolein, total (34210)	Acrylonitrile, total (34215)
Q2814	09-15-92	1055	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-11-96	0915	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2978	09-08-92	1105	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-11-96	1245	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2994	08-27-92	0940	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	06-12-96	0915	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2995	08-27-92	1105	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	06-12-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3003	09-30-92	0950	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	06-03-96	0810	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3036	09-10-92	0730	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-29-96	1315	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3109	08-26-92	1010	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-21-96	0920	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3110	08-25-92	1115	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-23-96	1155	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3112	08-24-92	1020	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-23-96	0910	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3114	08-31-92	1030	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-21-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3115	08-31-92	0920	<1.0	<1.0	<0.1	<0.01	<1	<0.10	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-21-96	1150	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3117	08-24-92	1130	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-23-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3119	09-09-92	0940	<0.10	<0.10	<0.1	<0.01	<1	<0.10	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	06-25-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3121	09-16-92	1130	<0.10	<0.10	<0.1	<0.01	<1	<0.10	0.020	<0.01	<0.01	<5.0	<5.0	<20	<20
Q3134	09-08-92	0930	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-13-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3587	07-17-95	1245	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	06-27-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4C. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Parathion, total (39540)	Phorate, total (39023)	Perthane, total (39034)	Silvex, total (39760)	Toxaphene, total (39400)	Carbophenothion, total (39786)	2,4-D, total (39730)	2,4-DP, total (82183)	2,4,5-T, total (39740)	Acenaphthene, total (34205)	Acenaphthylene, total (34200)	Acrolein, total (34210)	Acrylonitrile, total (34215)
Q3589	08-10-95	0755	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	05-20-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	1101[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3593	07-27-95	0920	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	06-10-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3604	07-27-95	0900	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	06-10-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3627	08-30-95	1215	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	06-19-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3628	09-05-95	1500	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	06-18-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3629	09-05-95	1230	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	06-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3644	08-09-95	1000	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	06-26-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3646	08-09-95	1145	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	06-26-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3648	07-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3649	07-24-95	1245	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	07-01-96	0855	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3650	04-01-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3651	08-29-95	1120	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	07-01-96	1145	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3652	06-12-96	1300	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3658	07-02-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3659	07-25-95	1000	<0.01	<0.01	<0.1	<0.01	<1	<0.01	0.01	<0.01	<0.01	<5.0	<5.0	--	--
	04-25-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3660	08-29-95	0900	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	--	--
	04-25-96	0830	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3661	04-25-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
N1429	12-09-92	1145	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20

Table 4C. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Parathion, total (39540)	Phorate, total (39023)	Perthane, total (39034)	Silvex, total (39760)	Toxaphene, total (39400)	Carbophenothion, total (39786)	2,4-D, total (39730)	2,4-DP, total (82183)	2,4,5-T, total (39740)	Acenaphthene, total (34205)	Acenaphthylene, total (34200)	Acrolein, total (34210)	Acrylonitrile, total (34215)
N1627	12-10-92	1100	<1.0	<1.0	<0.1	<0.01	<1	<0.10	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-02-96	1215	--	--	--	--	--	--	--	--	--	--	--	--	--
N3864	11-10-92	1215	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
N3867	11-02-92	1145	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-02-96	1015	--	--	--	--	--	--	--	--	--	--	--	--	--
N3932	10-07-92	1200	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	06-05-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
N4026	08-20-92	1005	<0.05	<0.05	<0.1	<0.01	<1	<0.05	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	08-31-93	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
	04-30-96	0905	--	--	--	--	--	--	--	--	--	--	--	--	--
N4062	11-23-92	1120	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	06-05-96	1115	--	--	--	--	--	--	--	--	--	--	--	--	--
N4213	11-02-92	1115	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-30-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
N6581	11-30-92	0930	<0.10	<0.10	<0.1	<0.01	<1	<0.10	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-06-96	1300	--	--	--	--	--	--	--	--	--	--	--	--	--
N6701	12-15-92	1200	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
N6703	12-15-92	0955	<0.01	<0.01	<0.1	<0.01	<1	<0.01	0.070	<0.01	<0.01	<5.0	<5.0	<20	<20
	05-07-96	1115	--	--	--	--	--	--	--	--	--	--	--	--	--
N6707	11-09-92	1300	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	04-30-96	1315	--	--	--	--	--	--	--	--	--	--	--	--	--
N6792	08-20-92	1100	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
N7161	10-29-92	1120	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	06-24-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
N8877	08-19-92	1445	<0.01	<0.01	<0.1	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5.0	<5.0	<20	<20
	06-11-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4D. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[Values are in micrograms per liter unless otherwise noted; mg/L, milligrams per liter; --, analyses performed by contract laboratory, data available from New York City Department of Environmental Protection. Well locations are shown in fig. 2]

Well number	Date	Sampling time	Anthracene, total (34220)	Benzidine, total (39120)	Benzo[a]-anthracene, total (34526)	Benzo[ghi]-perylene, total (34521)	Bis(2-chloro-isopropyl) ether, total (34283)	Bis(2-ethyl-hexyl) phthalate, total (39100)	4-Bromo-phenyl phenyl ether, total (34636)	Bis(2-chloro-ethoxy) methane, total (34278)	Bis(2-chloro-ethyl) ether, unfiltered recoverable (34273)	2-Chloro-naph-thalene, total (34581)	2-Chloro-phenol, total (34586)	4-Chloro phenyl phenyl ether, total (34641)
K1673	10-26-92	1035	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-08-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
K1678	10-26-92	1145	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K1689	08-26-92	0955	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-29-96	0950	--	--	--	--	--	--	--	--	--	--	--	--
K2407	09-30-92	1115	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-29-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K2412	08-31-92	0930	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-13-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2482	09-03-92	0945	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-09-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
	07-09-96	0901[a]	--	--	--	--	--	--	--	--	--	--	--	--
K2510	09-01-92	0925	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-17-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2511	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K2582	08-31-92	1100	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-01-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2598	09-17-92	1115	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K2610	09-02-92	0925	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-02-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K2622	09-03-92	1120	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K2859	01-19-93	1330	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3133	09-17-92	1000	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-09-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
K3151	09-02-92	1055	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

[a] Duplicate sample.

Table 4D. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Anthracene, total (34220)	Benzidine, total (39120)	Benzo[a]-anthracene, total (34526)	Benzo[ghi]-perylene, total (34521)	Bis(2-chloro-isopropyl) ether, total (34283)	Bis(2-ethyl-hexyl) phthalate, total (39100)	4-Bromo-phenyl phenyl ether, total (34636)	Bis(2-chloro-ethoxy) methane, total (34278)	Bis(2-chloro-ethyl) ether, unfiltered recoverable (34273)	2-Chloro-naph-thalene, total (34581)	2-Chloro-phenol, total (34586)	4-Chloro phenyl phenyl ether, total (34641)
K3151	04-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K3214	10-14-92	1120	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-16-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
K3216	10-14-92	1200	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3218	10-14-92	1030	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-16-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K3242	08-26-92	1055	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-20-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	0931[a]	--	--	--	--	--	--	--	--	--	--	--	--
K3245	09-22-92	1100	<5.0	<40	<10	<10	<5.0	16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3246	10-13-92	0955	<5.0	<40	<10	<10	<5.0	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-02-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K3248	10-29-92	1050	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-17-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
K3249	10-29-92	1245	<5.0	<40	<10	<10	<5.0	6.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3250	12-21-92	1030	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-20-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3251	10-22-92	1105	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
K3252	10-21-92	0920	<5.0	<40	<10	<10	<5.0	8.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-06-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K3253	11-05-92	1130	<5.0	<40	<10	<10	<5.0	6.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K3254	10-21-92	1045	<5.0	<40	<10	<10	<5.0	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-06-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K3255	09-03-92	0930	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3256	09-03-92	1210	<5.0	<40	<10	<10	<5.0	18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3257	11-10-92	1115	<5.0	<40	<10	<10	<5.0	24	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3267	08-27-92	0915	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-09-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
K3271	09-02-92	1035	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Table 4D. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Anthracene, total (34220)	Benzidine, total (39120)	Benzo[a]-anthracene, total (34526)	Benzo[ghi]-perylene, total (34521)	Bis(2-chloro-isopropyl) ether, total (34283)	Bis(2-ethyl-hexyl) phthalate, total (39100)	4-Bromo-phenyl phenyl ether, total (34636)	Bis(2-chloro-ethoxy) methane, total (34278)	Bis(2-chloro-ethyl) ether, unfiltered recoverable (34273)	2-Chloro-naph-thalene, total (34581)	2-Chloro-phenol, total (34586)	4-Chloro phenyl phenyl ether, total (34641)
K3273	11-02-92	1215	<5.0	<40	<10	<10	<5.0	19	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3275	11-04-92	1120	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K3276	09-22-92	0950	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-09-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
	05-09-96	1001[a]	--	--	--	--	--	--	--	--	--	--	--	--
K3405	07-18-95	1145	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-15-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3406	07-19-95	1025	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3407	08-07-95	0945	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-11-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
K3410	08-08-95	1200	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3414	08-07-95	1200	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-08-96	1400	--	--	--	--	--	--	--	--	--	--	--	--
K3424	07-24-95	0955	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3425	08-08-95	0900	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-18-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K3426	08-28-95	1015	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-02-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K3430	04-30-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K3431	04-22-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q273	09-28-92	1300	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Q277	09-08-92	1150	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-30-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q287	11-04-92	1300	<5.0	<40	<10	<10	<5.0	9.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-01-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q470	09-08-92	1255	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-17-96	1150	--	--	--	--	--	--	--	--	--	--	--	--
Q471	11-05-92	1045	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Table 4D. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Anthracene, total (34220)	Benzidine, total (39120)	Benzo[a]-anthracene, total (34526)	Benzo[ghi]-perylene, total (34521)	Bis(2-chloro-isopropyl) ether, total (34283)	Bis(2-ethyl-hexyl) phthalate, total (39100)	4-Bromo-phenyl phenyl ether, total (34636)	Bis(2-chloro-ethoxy) methane, total (34278)	Bis(2-chloro-ethyl) ether, unfiltered recoverable (34273)	2-Chloro-naph-thalene, total (34581)	2-Chloro-phenol, total (34586)	4-Chloro phenyl phenyl ether, total (34641)
Q471	06-26-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q1071	12-03-92	1405	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Q1187	11-30-92	1150	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Q1189	12-01-92	1205	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-17-96	0830	--	--	--	--	--	--	--	--	--	--	--	--
Q1237	11-24-92	1330	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-10-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q1373	12-21-92	1300	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-16-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q1472	08-27-92	1105	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-04-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q1605	09-10-92	0830	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Q1663	09-16-92	0905	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-03-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q1914	09-14-92	1120	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-03-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q1930	09-29-92	0945	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-23-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q2324	08-26-92	1140	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-24-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q2407	09-14-92	1010	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-22-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q2418	09-15-92	1045	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-12-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q2419	09-14-92	0945	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-11-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q2420	09-14-92	1000	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-11-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q2656	09-16-92	1020	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-04-96	1000	--	--	--	--	--	--	--	--	--	--	--	--

Table 4D. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Anthracene, total (34220)	Benzidine, total (39120)	Benzo[a]-anthracene, total (34526)	Benzo[ghi]-perylene, total (34521)	Bis(2-chloro-isopropyl) ether, total (34283)	Bis(2-ethyl-hexyl) phthalate, total (39100)	4-Bromo-phenyl phenyl ether, total (34636)	Bis(2-chloro-ethoxy) methane, total (34278)	Bis(2-chloro-ethyl) ether, unfiltered recoverable (34273)	2-Chloro-naph-thalene, total (34581)	2-Chloro-phenol, total (34586)	4-Chloro phenyl phenyl ether, total (34641)
Q2791	09-15-92	0940	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
Q2814	09-15-92	1055	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-11-96	0915	--	--	--	--	--	--	--	--	--	--	--	--
Q2978	09-08-92	1105	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-11-96	1245	--	--	--	--	--	--	--	--	--	--	--	--
Q2994	08-27-92	0940	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-12-96	0915	--	--	--	--	--	--	--	--	--	--	--	--
Q2995	08-27-92	1105	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-12-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3003	09-30-92	0950	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-03-96	0810	--	--	--	--	--	--	--	--	--	--	--	--
Q3036	09-10-92	0730	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-29-96	1315	--	--	--	--	--	--	--	--	--	--	--	--
Q3109	08-26-92	1010	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-21-96	0920	--	--	--	--	--	--	--	--	--	--	--	--
Q3110	08-25-92	1115	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-23-96	1155	--	--	--	--	--	--	--	--	--	--	--	--
Q3112	08-24-92	1020	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-23-96	0910	--	--	--	--	--	--	--	--	--	--	--	--
Q3114	08-31-92	1030	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-21-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3115	08-31-92	0920	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-21-96	1150	--	--	--	--	--	--	--	--	--	--	--	--
Q3117	08-24-92	1130	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-23-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3119	09-09-92	0940	<5.0	<40	<10	<10	<5.0	19	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-25-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3121	09-16-92	1130	<5.0	<40	<10	<10	<5.0	17	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Q3134	09-08-92	0930	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Table 4D. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Anthracene, total (34220)	Benzidine, total (39120)	Benzo[a]-anthracene, total (34526)	Benzo[ghi]-perylene, total (34521)	Bis(2-chloro-isopropyl) ether, total (34283)	Bis(2-ethyl-hexyl) phthalate, total (39100)	4-Bromo-phenyl phenyl ether, total (34636)	Bis(2-chloro-ethoxy) methane, total (34278)	Bis(2-chloro-ethyl) ether, unfiltered recoverable (34273)	2-Chloro-naph-thalene, total (34581)	2-Chloro-phenol, total (34586)	4-Chloro phenyl phenyl ether, total (34641)
Q3134	05-13-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q3587	07-17-95	1245	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-27-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3589	08-10-95	0755	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-20-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	1101[a]	--	--	--	--	--	--	--	--	--	--	--	--
Q3593	07-27-95	0920	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-10-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3604	07-27-95	0900	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-10-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q3627	08-30-95	1215	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-19-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q3628	09-05-95	1500	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-18-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3629	09-05-95	1230	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q3644	08-09-95	1000	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-26-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3646	08-09-95	1145	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-26-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q3648	07-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3649	07-24-95	1245	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-01-96	0855	--	--	--	--	--	--	--	--	--	--	--	--
Q3650	04-01-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3651	08-29-95	1120	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-01-96	1145	--	--	--	--	--	--	--	--	--	--	--	--
Q3652	06-12-96	1300	--	--	--	--	--	--	--	--	--	--	--	--
Q3658	07-02-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3659	07-25-95	1000	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-25-96	1200	--	--	--	--	--	--	--	--	--	--	--	--

Table 4D. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Anthracene, total (34220)	Benzidine, total (39120)	Benzo[a]-anthracene, total (34526)	Benzo[ghi]-perylene, total (34521)	Bis(2-chloro-isopropyl) ether, total (34283)	Bis(2-ethyl-hexyl) phthalate, total (39100)	4-Bromo-phenyl phenyl ether, total (34636)	Bis(2-chloro-ethoxy) methane, total (34278)	Bis(2-chloro-ethyl) ether, unfiltered recoverable (34273)	2-Chloro-naph-thalene, total (34581)	2-Chloro-phenol, total (34586)	4-Chloro phenyl phenyl ether, total (34641)
Q3660	08-29-95	0900	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-25-96	0830	--	--	--	--	--	--	--	--	--	--	--	--
Q3661	04-25-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
N1429	12-09-92	1145	<5.0	<40	<10	<10	<5.0	6.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N1627	12-10-92	1100	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-02-96	1215	--	--	--	--	--	--	--	--	--	--	--	--
N3864	11-10-92	1215	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N3867	11-02-92	1145	<5.0	<40	<10	<10	<5.0	9.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-02-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
N3932	10-07-92	1200	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-05-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
N4026	08-20-92	1005	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	08-31-93	0900	--	--	--	--	--	--	--	--	--	--	--	--
	04-30-96	0905	--	--	--	--	--	--	--	--	--	--	--	--
N4062	11-23-92	1120	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-05-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
N4213	11-02-92	1115	<5.0	<40	<10	<10	<5.0	9.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-30-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
N6581	11-30-92	0930	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-06-96	1300	--	--	--	--	--	--	--	--	--	--	--	--
N6701	12-15-92	1200	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N6703	12-15-92	0955	<5.0	<40	<10	<10	<5.0	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-07-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
N6707	11-09-92	1300	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-30-96	1315	--	--	--	--	--	--	--	--	--	--	--	--
N6792	08-20-92	1100	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N7161	10-29-92	1120	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N7161	06-24-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
N8877	08-19-92	1445	<5.0	<40	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-11-96	0900	--	--	--	--	--	--	--	--	--	--	--	--

Table 4E. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[Values are in micrograms per liter unless otherwise noted; mg/L, milligrams per liter; --, analyses performed by contract laboratory, data available from New York City Department of Environmental Protection. Well locations are shown in fig. 2]

Well number	Date	Sampling time	Chrysene, total (34320)	1,2,5,6-Di-benzanth-racene, total (34556)	3-3´-Dichloro-benzidine, total (34631)	1,3-Dichloro-benzene water, unfiltered recoverable (34566)	1,4-Dichloro-benzene water, unfiltered recoverable (34571)	2,4-Dichloro-phenol, total (34601)	2,4-Dimethyl-phenol, total (34606)	Di-*n*-butyl phthalate, total (39110)	4,6-Dinitro-*o*-cresol, total (34657)	2,4-Di-nitro-phenol, total (34616)	2,4-Di-nitro-toluene, total (34611)	2,6-Di-nitro-toluene, total (34626)
K1673	10-26-92	1035	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-08-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
K1678	10-26-92	1145	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K1689	08-26-92	0955	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-29-96	0950	--	--	--	--	--	--	--	--	--	--	--	--
K2407	09-30-92	1115	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-29-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K2412	08-31-92	0930	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-13-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2482	09-03-92	0945	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	07-09-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
	07-09-96	0901[a]	--	--	--	--	--	--	--	--	--	--	--	--
K2510	09-01-92	0925	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-17-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2511	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K2582	08-31-92	1100	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-01-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2598	09-17-92	1115	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K2610	09-02-92	0925	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-02-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K2622	09-03-92	1120	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K2859	01-19-93	1330	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
K3133	09-17-92	1000	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-09-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
K3151	09-02-92	1055	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0

[a] Duplicate sample.

Table 4E. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chrysene, total (34320)	1,2,5,6-Di-benzanth-racene, total (34556)	3-3´-Dichloro-benzidine, total (34631)	1,3-Dichloro-benzene water, unfiltered recoverable (34566)	1,4-Dichloro-benzene water, unfiltered recoverable (34571)	2,4-Dichloro-phenol, total (34601)	2,4-Dimethyl-phenol, total (34606)	Di-*n*-butyl phthalate, total (39110)	4,6-Dinitro-*o*-cresol, total (34657)	2,4-Di-nitro-phenol, total (34616)	2,4-Di-nitro-toluene, total (34611)	2,6-Di-nitro-toluene, total (34626)
K3151	04-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K3214	10-14-92	1120	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-16-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
K3216	10-14-92	1200	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
K3218	10-14-92	1030	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-16-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K3242	08-26-92	1055	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-20-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	0931[a]	--	--	--	--	--	--	--	--	--	--	--	--
K3245	09-22-92	1100	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
K3246	10-13-92	0955	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-02-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K3248	10-29-92	1050	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-17-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
K3249	10-29-92	1245	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
K3250	12-21-92	1030	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-20-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3251	10-22-92	1105	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
K3252	10-21-92	0920	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-06-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K3253	11-05-92	1130	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K3254	10-21-92	1045	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-06-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K3255	09-03-92	0930	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
K3256	09-03-92	1210	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
K3257	11-10-92	1115	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
K3267	08-27-92	0915	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	07-09-96	1045	--	--	--	--	--	--	--	--	--	--	--	--

Table 4E. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chrysene, total (34320)	1,2,5,6-Di-benzanth-racene, total (34556)	3-3´-Dichloro-benzidine, total (34631)	1,3-Dichloro-benzene water, unfiltered recoverable (34566)	1,4-Dichloro-benzene water, unfiltered recoverable (34571)	2,4-Dichloro-phenol, total (34601)	2,4-Dimethyl-phenol, total (34606)	Di-*n*-butyl phthalate, total (39110)	4,6-Dinitro-*o*-cresol, total (34657)	2,4-Di-nitro-phenol, total (34616)	2,4-Di-nitro-toluene, total (34611)	2,6-Di-nitro-toluene, total (34626)
K3271	09-02-92	1035	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
K3273	11-02-92	1215	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
K3275	11-04-92	1120	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K3276	09-22-92	0950	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-09-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
	05-09-96	1001[a]	--	--	--	--	--	--	--	--	--	--	--	--
K3405	07-18-95	1145	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-15-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3406	07-19-95	1025	<10	<10	<20	<3.0	<3.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
K3407	08-07-95	0945	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-11-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
K3410	08-08-95	1200	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3414	08-07-95	1200	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-08-96	1400	--	--	--	--	--	--	--	--	--	--	--	--
K3424	07-24-95	0955	<10	<10	<20	<3.0	<3.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
K3425	08-08-95	0900	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-18-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K3426	08-28-95	1015	<10	<10	<20	<3.0	<3.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	07-02-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K3430	04-30-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K3431	04-22-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q273	09-28-92	1300	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
Q277	09-08-92	1150	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-30-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q287	11-04-92	1300	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	07-01-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q470	09-08-92	1255	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	07-17-96	1150	--	--	--	--	--	--	--	--	--	--	--	--

Table 4E. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chrysene, total (34320)	1,2,5,6-Dibenzanthracene, total (34556)	3-3´-Dichlorobenzidine, total (34631)	1,3-Dichlorobenzene water, unfiltered recoverable (34566)	1,4-Dichlorobenzene water, unfiltered recoverable (34571)	2,4-Dichlorophenol, total (34601)	2,4-Dimethylphenol, total (34606)	Di-*n*-butyl phthalate, total (39110)	4,6-Dinitro-*o*-cresol, total (34657)	2,4-Dinitrophenol, total (34616)	2,4-Dinitrotoluene, total (34611)	2,6-Dinitrotoluene, total (34626)
Q471	11-05-92	1045	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-26-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q1071	12-03-92	1405	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
Q1187	11-30-92	1150	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
Q1189	12-01-92	1205	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-17-96	0830	--	--	--	--	--	--	--	--	--	--	--	--
Q1237	11-24-92	1330	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	07-10-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q1373	12-21-92	1300	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	07-16-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q1472	08-27-92	1105	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-04-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q1605	09-10-92	0830	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
Q1663	09-16-92	0905	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-03-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q1914	09-14-92	1120	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-03-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q1930	09-29-92	0945	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-23-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q2324	08-26-92	1140	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-24-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q2407	09-14-92	1010	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-22-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q2418	09-15-92	1045	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-12-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q2419	09-14-92	0945	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-11-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q2420	09-14-92	1000	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-11-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q2656	09-16-92	1020	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0

Table 4E. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chrysene, total (34320)	1,2,5,6-Dibenzanthracene, total (34556)	3-3´-Dichlorobenzidine, total (34631)	1,3-Dichlorobenzene water, unfiltered recoverable (34566)	1,4-Dichlorobenzene water, unfiltered recoverable (34571)	2,4-Dichlorophenol, total (34601)	2,4-Dimethylphenol, total (34606)	Di-*n*-butyl phthalate, total (39110)	4,6-Dinitro-*o*-cresol, total (34657)	2,4-Dinitrophenol, total (34616)	2,4-Dinitrotoluene, total (34611)	2,6-Dinitrotoluene, total (34626)
Q2656	04-04-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q2791	09-15-92	0940	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
Q2814	09-15-92	1055	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-11-96	0915	--	--	--	--	--	--	--	--	--	--	--	--
Q2978	09-08-92	1105	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-11-96	1245	--	--	--	--	--	--	--	--	--	--	--	--
Q2994	08-27-92	0940	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-12-96	0915	--	--	--	--	--	--	--	--	--	--	--	--
Q2995	08-27-92	1105	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-12-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3003	09-30-92	0950	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-03-96	0810	--	--	--	--	--	--	--	--	--	--	--	--
Q3036	09-10-92	0730	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-29-96	1315	--	--	--	--	--	--	--	--	--	--	--	--
Q3109	08-26-92	1010	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-21-96	0920	--	--	--	--	--	--	--	--	--	--	--	--
Q3110	08-25-92	1115	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-23-96	1155	--	--	--	--	--	--	--	--	--	--	--	--
Q3112	08-24-92	1020	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-23-96	0910	--	--	--	--	--	--	--	--	--	--	--	--
Q3114	08-31-92	1030	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-21-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3115	08-31-92	0920	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-21-96	1150	--	--	--	--	--	--	--	--	--	--	--	--
Q3117	08-24-92	1130	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-23-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3119	09-09-92	0940	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-25-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3121	09-16-92	1130	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0

Table 4E. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chrysene, total (34320)	1,2,5,6-Di-benzanth-racene, total (34556)	3-3´-Dichloro-benzidine, total (34631)	1,3-Dichloro-benzene water, unfiltered recoverable (34566)	1,4-Dichloro-benzene water, unfiltered recoverable (34571)	2,4-Dichloro-phenol, total (34601)	2,4-Dimethyl-phenol, total (34606)	Di-*n*-butyl phthalate, total (39110)	4,6-Dinitro-*o*-cresol, total (34657)	2,4-Di-nitro-phenol, total (34616)	2,4-Di-nitro-toluene, total (34611)	2,6-Di-nitro-toluene, total (34626)
Q3134	09-08-92	0930	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-13-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q3587	07-17-95	1245	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-27-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3589	08-10-95	0755	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-20-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	1101[a]	--	--	--	--	--	--	--	--	--	--	--	--
Q3593	07-27-95	0920	<10	<10	<20	<3.0	<3.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-10-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3604	07-27-95	0900	<10	<10	<20	<3.0	<3.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-10-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q3627	08-30-95	1215	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-19-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q3628	09-05-95	1500	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-18-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3629	09-05-95	1230	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q3644	08-09-95	1000	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-26-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3646	08-09-95	1145	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-26-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q3648	07-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3649	07-24-95	1245	<10	<10	<20	<3.0	<3.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	07-01-96	0855	--	--	--	--	--	--	--	--	--	--	--	--
Q3650	04-01-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3651	08-29-95	1120	<10	<10	<20	<3.0	<3.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	07-01-96	1145	--	--	--	--	--	--	--	--	--	--	--	--
Q3652	06-12-96	1300	--	--	--	--	--	--	--	--	--	--	--	--
Q3658	07-02-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3659	07-25-95	1000	<10	<10	<20	<3.0	<3.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0

Table 4E. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chrysene, total (34320)	1,2,5,6-Di-benzanth-racene, total (34556)	3-3´-Dichloro-benzidine, total (34631)	1,3-Dichloro-benzene water, unfiltered recoverable (34566)	1,4-Dichloro-benzene water, unfiltered recoverable (34571)	2,4-Dichloro-phenol, total (34601)	2,4-Dimethyl-phenol, total (34606)	Di-*n*-butyl phthalate, total (39110)	4,6-Dinitro-*o*-cresol, total (34657)	2,4-Di-nitro-phenol, total (34616)	2,4-Di-nitro-toluene, total (34611)	2,6-Di-nitro-toluene, total (34626)
Q3659	04-25-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q3660	08-29-95	0900	<10	<10	<20	<3.0	<3.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-25-96	0830	--	--	--	--	--	--	--	--	--	--	--	--
Q3661	04-25-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
N1429	12-09-92	1145	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
N1627	12-10-92	1100	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-02-96	1215	--	--	--	--	--	--	--	--	--	--	--	--
N3864	11-10-92	1215	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
N3867	11-02-92	1145	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-02-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
N3932	10-07-92	1200	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-05-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
N4026	08-20-92	1005	<10	<10	<20	<3.0	<3.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	08-31-93	0900	--	--	--	--	--	--	--	--	--	--	--	--
	04-30-96	0905	--	--	--	--	--	--	--	--	--	--	--	--
N4062	11-23-92	1120	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-05-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
N4213	11-02-92	1115	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-30-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
N6581	11-30-92	0930	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-06-96	1300	--	--	--	--	--	--	--	--	--	--	--	--
N6701	12-15-92	1200	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
N6703	12-15-92	0955	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	05-07-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
N6707	11-09-92	1300	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	04-30-96	1315	--	--	--	--	--	--	--	--	--	--	--	--
N6792	08-20-92	1100	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
N7161	10-29-92	1120	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
N7161	06-24-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
N8877	08-19-92	1445	<10	<10	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<20	<5.0	<5.0
	06-11-96	0900	--	--	--	--	--	--	--	--	--	--	--	--

Table 4F. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[Values are in micrograms per liter unless otherwise noted; mg/L, milligrams per liter; --, analyses performed by contract laboratory, data available from New York City Department of Environmental Protection. Well locations are shown in fig. 2]

Well number	Date	Sampling time	1,2-Di-phenyl-hydrazine, water total recoverable (82626)	Benzo[k] fluor-anthene, total (34242)	Fluor-anthene, total (34376)	Benzo[b] fluor-anthene, total (34230)	Fluorene, total (34381)	Hexa-chloro-benzene, total (39700)	Hexa-chloro-butadiene, total (39702)	Hexa-chloro-ethane, water. unfiltered, recoverable (34396)	Hexa-chloro-cyclo-pentadiene, unfiltered, recoverable (34386)	Iso-phorone, total (34408)	*N*-Nitro-sodi-methyl-amine, total (34438)	*N*-Nitro-sodi-phenyl-amine, total (34433)
K1673	10-26-92	1035	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-08-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
K1678	10-26-92	1145	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K1689	08-26-92	0955	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-29-96	0950	--	--	--	--	--	--	--	--	--	--	--	--
K2407	09-30-92	1115	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-29-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K2412	08-31-92	0930	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-13-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2482	09-03-92	0945	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-09-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
	07-09-96	0901[a]	--	--	--	--	--	--	--	--	--	--	--	--
K2510	09-01-92	0925	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-17-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2511	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K2582	08-31-92	1100	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-01-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2598	09-17-92	1115	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K2610	09-02-92	0925	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-02-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K2622	09-03-92	1120	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K2859	01-19-93	1330	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3133	09-17-92	1000	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-09-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
K3151	09-02-92	1055	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

[a] Duplicate sample.

Table 4F. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	1,2-Di-phenyl-hydrazine, water total recoverable (82626)	Benzo[k] fluor-anthene, total (34242)	Fluor-anthene, total (34376)	Benzo[b] fluor-anthene, total (34230)	Fluorene, total (34381)	Hexa-chloro-benzene, total (39700)	Hexa-chloro-butadiene, total (39702)	Hexa-chloro-ethane, water, unfiltered, recoverable (34396)	Hexa-chloro-cyclo-pentadiene, unfiltered, recoverable (34386)	Iso-phorone, total (34408)	*N*-Nitro-sodi-methyl-amine, total (34438)	*N*-Nitro-sodi-phenyl-amine, total (34433)
K3151	04-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K3214	10-14-92	1120	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-16-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
K3216	10-14-92	1200	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3218	10-14-92	1030	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-16-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K3242	08-26-92	1055	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-20-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	0931[a]	--	--	--	--	--	--	--	--	--	--	--	--
K3245	09-22-92	1100	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3246	10-13-92	0955	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-02-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K3248	10-29-92	1050	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-17-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
K3249	10-29-92	1245	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3250	12-21-92	1030	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-20-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3251	10-22-92	1105	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
K3252	10-21-92	0920	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-06-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K3253	11-05-92	1130	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K3254	10-21-92	1045	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-06-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K3255	09-03-92	0930	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3256	09-03-92	1210	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3257	11-10-92	1115	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3267	08-27-92	0915	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-09-96	1045	--	--	--	--	--	--	--	--	--	--	--	--

Table 4F. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	1,2-Diphenylhydrazine, water total recoverable (82626)	Benzo[k]fluoranthene, total (34242)	Fluoranthene, total (34376)	Benzo[b]fluoranthene, total (34230)	Fluorene, total (34381)	Hexachlorobenzene, total (39700)	Hexachlorobutadiene, total (39702)	Hexachloroethane, water, unfiltered, recoverable (34396)	Hexachlorocyclopentadiene, unfiltered, recoverable (34386)	Isophorone, total (34408)	*N*-Nitrosodimethylamine, total (34438)	*N*-Nitrosodiphenylamine, total (34433)
K3271	09-02-92	1035	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3273	11-02-92	1215	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3275	11-04-92	1120	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K3276	09-22-92	0950	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-09-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
	05-09-96	1001[a]	--	--	--	--	--	--	--	--	--	--	--	--
K3405	07-18-95	1145	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-15-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3406	07-19-95	1025	<5.0	<10	<5.0	<10	<5.0	<5.0	<3.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3407	08-07-95	0945	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-11-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
K3410	08-08-95	1200	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3414	08-07-95	1200	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-08-96	1400	--	--	--	--	--	--	--	--	--	--	--	--
K3424	07-24-95	0955	<5.0	<10	<5.0	<10	<5.0	<5.0	<3.0	<5.0	<5.0	<5.0	<5.0	<5.0
K3425	08-08-95	0900	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-18-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K3426	08-28-95	1015	<5.0	<10	<5.0	<10	<5.0	<5.0	<3.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-02-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K3430	04-30-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K3431	04-22-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q273	09-28-92	1300	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Q277	09-08-92	1150	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-30-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q287	11-04-92	1300	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-01-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q470	09-08-92	1255	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-17-96	1150	--	--	--	--	--	--	--	--	--	--	--	--

Table 4F. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	1,2-Diphenylhydrazine, water total recoverable (82626)	Benzo[k]fluoranthene, total (34242)	Fluoranthene, total (34376)	Benzo[b]fluoranthene, total (34230)	Fluorene, total (34381)	Hexachlorobenzene, total (39700)	Hexachlorobutadiene, total (39702)	Hexachloroethane, water, unfiltered, recoverable (34396)	Hexachlorocyclopentadiene, unfiltered, recoverable (34386)	Isophorone, total (34408)	*N*-Nitrosodimethylamine, total (34438)	*N*-Nitrosodiphenylamine, total (34433)
Q471	11-05-92	1045	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-26-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q1071	12-03-92	1405	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Q1187	11-30-92	1150	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Q1189	12-01-92	1205	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-17-96	0830	--	--	--	--	--	--	--	--	--	--	--	--
Q1237	11-24-92	1330	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-10-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q1373	12-21-92	1300	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-16-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q1472	08-27-92	1105	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-04-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q1605	09-10-92	0830	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Q1663	09-16-92	0905	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-03-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q1914	09-14-92	1120	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-03-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q1930	09-29-92	0945	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-23-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q2324	08-26-92	1140	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-24-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q2407	09-14-92	1010	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-22-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q2418	09-15-92	1045	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-12-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q2419	09-14-92	0945	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-11-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q2420	09-14-92	1000	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-11-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q2656	09-16-92	1020	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Table 4F. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	1,2-Diphenylhydrazine, water total recoverable (82626)	Benzo[k]fluoranthene, total (34242)	Fluoranthene, total (34376)	Benzo[b]fluoranthene, total (34230)	Fluorene, total (34381)	Hexachlorobenzene, total (39700)	Hexachlorobutadiene, total (39702)	Hexachloroethane, water, unfiltered, recoverable (34396)	Hexachlorocyclopentadiene, unfiltered, recoverable (34386)	Isophorone, total (34408)	*N*-Nitrosodimethylamine, total (34438)	*N*-Nitrosodiphenylamine, total (34433)
Q2656	04-04-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q2791	09-15-92	0940	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
Q2814	09-15-92	1055	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-11-96	0915	--	--	--	--	--	--	--	--	--	--	--	--
Q2978	09-08-92	1105	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-11-96	1245	--	--	--	--	--	--	--	--	--	--	--	--
Q2994	08-27-92	0940	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-12-96	0915	--	--	--	--	--	--	--	--	--	--	--	--
Q2995	08-27-92	1105	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-12-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3003	09-30-92	0950	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-03-96	0810	--	--	--	--	--	--	--	--	--	--	--	--
Q3036	09-10-92	0730	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-29-96	1315	--	--	--	--	--	--	--	--	--	--	--	--
Q3109	08-26-92	1010	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-21-96	0920	--	--	--	--	--	--	--	--	--	--	--	--
Q3110	08-25-92	1115	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-23-96	1155	--	--	--	--	--	--	--	--	--	--	--	--
Q3112	08-24-92	1020	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-23-96	0910	--	--	--	--	--	--	--	--	--	--	--	--
Q3114	08-31-92	1030	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-21-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3115	08-31-92	0920	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-21-96	1150	--	--	--	--	--	--	--	--	--	--	--	--
Q3117	08-24-92	1130	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-23-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3119	09-09-92	0940	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-25-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3121	09-16-92	1130	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Table 4F. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	1,2-Di-phenyl-hydrazine, water total recoverable (82626)	Benzo[k] fluor-anthene, total (34242)	Fluor-anthene, total (34376)	Benzo[b] fluor-anthene, total (34230)	Fluorene, total (34381)	Hexa-chloro-benzene, total (39700)	Hexa-chloro-butadiene, total (39702)	Hexa-chloro-ethane, water, unfiltered, recoverable (34396)	Hexa-chloro-cyclo-pentadiene, unfiltered, recoverable (34386)	Iso-phorone, total (34408)	*N*-Nitro-sodi-methyl-amine, total (34438)	*N*-Nitro-sodi-phenyl-amine, total (34433)
Q3134	09-08-92	0930	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-13-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q3587	07-17-95	1245	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-27-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3589	08-10-95	0755	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-20-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	1101[a]	--	--	--	--	--	--	--	--	--	--	--	--
Q3593	07-27-95	0920	<5.0	<10	<5.0	<10	<5.0	<5.0	<3.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-10-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3604	07-27-95	0900	<5.0	<10	<5.0	<10	<5.0	<5.0	<3.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-10-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q3627	08-30-95	1215	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-19-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q3628	09-05-95	1500	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-18-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3629	09-05-95	1230	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q3644	08-09-95	1000	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-26-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3646	08-09-95	1145	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-26-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q3648	07-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3649	07-24-95	1245	<5.0	<10	<5.0	<10	<5.0	<5.0	<3.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-01-96	0855	--	--	--	--	--	--	--	--	--	--	--	--
Q3650	04-01-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3651	08-29-95	1120	<5.0	<10	<5.0	<10	<5.0	<5.0	<3.0	<5.0	<5.0	<5.0	<5.0	<5.0
	07-01-96	1145	--	--	--	--	--	--	--	--	--	--	--	--
Q3652	06-12-96	1300	--	--	--	--	--	--	--	--	--	--	--	--
Q3658	07-02-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3659	07-25-95	1000	<5.0	<10	<5.0	<10	<5.0	<5.0	<3.0	<5.0	<5.0	<5.0	<5.0	<5.0

Table 4F. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	1,2-Di-phenyl-hydrazine, water total recoverable (82626)	Benzo[k] fluor-anthene, total (34242)	Fluor-anthene, total (34376)	Benzo[b] fluor-anthene, total (34230)	Fluorene, total (34381)	Hexa-chloro-benzene, total (39700)	Hexa-chloro-butadiene, total (39702)	Hexa-chloro-ethane, water, unfiltered, recoverable (34396)	Hexa-chloro-cyclo-pentadiene, unfiltered, recoverable (34386)	Iso-phorone, total (34408)	*N*-Nitro-sodi-methyl-amine, total (34438)	*N*-Nitro-sodi-phenyl-amine, total (34433)
Q3659	04-25-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q3660	08-29-95	0900	<5.0	<10	<5.0	<10	<5.0	<5.0	<3.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-25-96	0830	--	--	--	--	--	--	--	--	--	--	--	--
Q3661	04-25-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
N1429	12-09-92	1145	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N1627	12-10-92	1100	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-02-96	1215	--	--	--	--	--	--	--	--	--	--	--	--
N3864	11-10-92	1215	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N3867	11-02-92	1145	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-02-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
N3932	10-07-92	1200	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-05-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
N4026	08-20-92	1005	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	08-31-93	0900	--	--	--	--	--	--	--	--	--	--	--	--
	04-30-96	0905	--	--	--	--	--	--	--	--	--	--	--	--
N4062	11-23-92	1120	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-05-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
N4213	11-02-92	1115	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-30-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
N6581	11-30-92	0930	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-06-96	1300	--	--	--	--	--	--	--	--	--	--	--	--
N6701	12-15-92	1200	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N6703	12-15-92	0955	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	05-07-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
N6707	11-09-92	1300	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	04-30-96	1315	--	--	--	--	--	--	--	--	--	--	--	--
N6792	08-20-92	1100	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N7161	10-29-92	1120	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N7161	06-24-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
N8877	08-19-92	1445	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	06-11-96	0900	--	--	--	--	--	--	--	--	--	--	--	--

Table 4G. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[Values are in micrograms per liter unless otherwise noted; mg/L, milligrams per liter; --, analyses performed by contract laboratory, data available from New York City Department of Environmental Protection. Well locations are shown in fig. 2]

Well number	Date	Sampling time	*N*-Nitro-sodi-*n*-propyl-amine, total (34428)	Naphth-alene, total (34696)	Nitro-benzene, water, unfiltered, recoverable (34447)	2-Nitro-phenol, total (34591)	4-Nitro-phenol, total (34646)	1,2-Di-chloro-benzene, water, unfiltered, recoverable (34536)	4-Chloro-*m*-cresol, total (34452)	Penta-chloro-phenol, total (39032)	Phenan-threne, total (34461)	Phenol, total (34694)	Diethyl phthalate, total (34336)	Dimethyl phthalate, total (34341)	Di-*n*-octyl phthalate, total (34596)
K1673	10-26-92	1035	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-08-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
K1678	10-26-92	1145	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K1689	08-26-92	0955	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-29-96	0950	--	--	--	--	--	--	--	--	--	--	--	--	--
K2407	09-30-92	1115	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-29-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
K2412	08-31-92	0930	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-13-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K2482	09-03-92	0945	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	07-09-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
	07-09-96	0901[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
K2510	09-01-92	0925	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-17-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K2511	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K2582	08-31-92	1100	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-01-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K2598	09-17-92	1115	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
K2610	09-02-92	0925	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-02-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
K2622	09-03-92	1120	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K2859	01-19-93	1330	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
K3133	09-17-92	1000	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-09-96	1015	--	--	--	--	--	--	--	--	--	--	--	--	--
K3151	09-02-92	1055	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10

[a] Duplicate sample.

Table 4G. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	*N*-Nitrosodi-*n*-propyiamine, total (34428)	Naphthalene, total (34696)	Nitrobenzene, water, unfiltered, recoverable (34447)	2-Nitrophenol, total (34591)	4-Nitrophenol, total (34646)	1,2-Dichlorobenzene, water, unfiltered, recoverable (34536)	4-Chloro-*m*-cresol, total (34452)	Pentachlorophenol, total (39032)	Phenanthrene, total ((34461)	Phenol, total (34694)	Diethyl phthalate, total (34336)	Dimethyl phthalate, total (34341)	Di-*n*-octyl phthalate, total (34596)
K3151	04-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
K3214	10-14-92	1120	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-16-96	1115	--	--	--	--	--	--	--	--	--	--	--	--	--
K3216	10-14-92	1200	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
K3218	10-14-92	1030	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-16-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K3242	08-26-92	1055	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-20-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	0931[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
K3245	09-22-92	1100	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
K3246	10-13-92	0955	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-02-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
K3248	10-29-92	1050	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-17-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
K3249	10-29-92	1245	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
K3250	12-21-92	1030	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-20-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K3251	10-22-92	1105	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
K3252	10-21-92	0920	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-06-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K3253	11-05-92	1130	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
K3254	10-21-92	1045	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-06-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
K3255	09-03-92	0930	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
K3256	09-03-92	1210	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
K3257	11-10-92	1115	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
K3267	08-27-92	0915	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	07-09-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4G. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	*N*-Nitro-sodi-*n*-propyl-amine, total (34428)	Naphth-alene, total (34696)	Nitro-benzene, water, unfiltered, recoverable (34447)	2-Nitro-phenol, total (34591)	4-Nitro-phenol, total (34646)	1,2-Di-chloro-benzene, water, unfiltered, recoverable (34536)	4-Chloro-*m*-cresol, total (34452)	Penta-chloro-phenol, total (39032)	Phenan-threne, total ((34461)	Phenol, total (34694)	Diethyl phthalate, total (34336)	Dimethyl phthalate, total (34341)	Di-*n*-octyl phthalate, total (34596)
K3271	09-02-92	1035	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
K3273	11-02-92	1215	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
K3275	11-04-92	1120	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K3276	09-22-92	0950	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-09-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
	05-09-96	1001[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
K3405	07-18-95	1145	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-15-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K3406	07-19-95	1025	<5.0	<3.0	<5.0	<5.0	<30	<3.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
K3407	08-07-95	0945	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-11-96	1015	--	--	--	--	--	--	--	--	--	--	--	--	--
K3410	08-08-95	1200	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K3414	08-07-95	1200	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-08-96	1400	--	--	--	--	--	--	--	--	--	--	--	--	--
K3424	07-24-95	0955	<5.0	<3.0	<5.0	<5.0	<30	<3.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
K3425	08-08-95	0900	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-18-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
K3426	08-28-95	1015	<5.0	<3.0	<5.0	<5.0	<30	<3.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	07-02-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K3430	04-30-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
K3431	04-22-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
Q273	09-28-92	1300	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
Q277	09-08-92	1150	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-30-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q287	11-04-92	1300	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	07-01-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
Q470	09-08-92	1255	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	07-17-96	1150	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4G. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	*N*-Nitrosodi-*n*-propylamine, total (34428)	Naphthalene, total (34696)	Nitrobenzene, water, unfiltered, recoverable (34447)	2-Nitrophenol, total (34591)	4-Nitrophenol, total (34646)	1,2-Dichlorobenzene, water, unfiltered, recoverable (34536)	4-Chloro-*m*-cresol, total (34452)	Pentachlorophenol, total (39032)	Phenanthrene, total ((34461)	Phenol, total (34694)	Diethyl phthalate, total (34336)	Dimethyl phthalate, total (34341)	Di-*n*-octyl phthalate, total (34596)
Q471	11-05-92	1045	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-26-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1071	12-03-92	1405	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
Q1187	11-30-92	1150	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
Q1189	12-01-92	1205	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-17-96	0830	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1237	11-24-92	1330	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	07-10-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1373	12-21-92	1300	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	07-16-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1472	08-27-92	1105	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-04-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1605	09-10-92	0830	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
Q1663	09-16-92	0905	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-03-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1914	09-14-92	1120	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-03-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1930	09-29-92	0945	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-23-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2324	08-26-92	1140	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-24-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2407	09-14-92	1010	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-22-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2418	09-15-92	1045	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-12-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2419	09-14-92	0945	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-11-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2420	09-14-92	1000	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-11-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2656	09-16-92	1020	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10

Table 4G. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	*N*-Nitro-sodi-*n*-propyl-amine, total (34428)	Naphth-alene, total (34696)	Nitro-benzene, water, unfiltered, recoverable (34447)	2-Nitro-phenol, total (34591)	4-Nitro-phenol, total (34646)	1,2-Di-chloro-benzene, water, unfiltered, recoverable (34536)	4-Chloro-*m*-cresol, total (34452)	Penta-chloro-phenol, total (39032)	Phenan-threne, total ((34461)	Phenol, total (34694)	Diethyl phthalate, total (34336)	Dimethyl phthalate, total (34341)	Di-*n*-octyl phthalate, total (34596)
Q2656	04-04-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2791	09-15-92	0940	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2814	09-15-92	1055	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-11-96	0915	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2978	09-08-92	1105	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-11-96	1245	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2994	08-27-92	0940	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-12-96	0915	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2995	08-27-92	1105	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-12-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3003	09-30-92	0950	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-03-96	0810	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3036	09-10-92	0730	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-29-96	1315	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3109	08-26-92	1010	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-21-96	0920	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3110	08-25-92	1115	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-23-96	1155	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3112	08-24-92	1020	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-23-96	0910	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3114	08-31-92	1030	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-21-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3115	08-31-92	0920	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-21-96	1150	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3117	08-24-92	1130	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-23-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3119	09-09-92	0940	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-25-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3121	09-16-92	1130	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10

Table 4G. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	*N*-Nitro-sodi-*n*-propyl-amine, total (34428)	Naphth-alene, total (34696)	Nitro-benzene, water, unfiltered, recoverable (34447)	2-Nitro-phenol, total (34591)	4-Nitro-phenol, total (34646)	1,2-Di-chloro-benzene, water, unfiltered, recoverable (34536)	4-Chloro-*m*-cresol, total (34452)	Penta-chloro-phenol, total (39032)	Phenan-threne, total ((34461)	Phenol, total (34694)	Diethyl phthalate, total (34336)	Dimethyl phthalate, total (34341)	Di-*n*-octyl phthalate, total (34596)
Q3134	09-08-92	0930	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-13-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3587	07-17-95	1245	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-27-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3589	08-10-95	0755	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-20-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	1101[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3593	07-27-95	0920	<5.0	<3.0	<5.0	<5.0	<30	<3.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-10-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3604	07-27-95	0900	<5.0	<3.0	<5.0	<5.0	<30	<3.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-10-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3627	08-30-95	1215	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-19-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3628	09-05-95	1500	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-18-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3629	09-05-95	1230	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3644	08-09-95	1000	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-26-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3646	08-09-95	1145	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-26-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3648	07-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3649	07-24-95	1245	<5.0	<3.0	<5.0	<5.0	<30	<3.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	07-01-96	0855	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3650	04-01-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3651	08-29-95	1120	<5.0	<3.0	<5.0	<5.0	<30	<3.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	07-01-96	1145	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3652	06-12-96	1300	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3658	07-02-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3659	07-25-95	1000	<5.0	<3.0	<5.0	<5.0	<30	<3.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10

Table 4G. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	*N*-Nitroso-di-*n*-propylamine, total (34428)	Naphthalene, total (34696)	Nitrobenzene, water, unfiltered, recoverable (34447)	2-Nitrophenol, total (34591)	4-Nitrophenol, total (34646)	1,2-Dichlorobenzene, water, unfiltered, recoverable (34536)	4-Chloro-*m*-cresol, total (34452)	Pentachlorophenol, total (39032)	Phenanthrene, total ((34461)	Phenol, total (34694)	Diethyl phthalate, total (34336)	Dimethyl phthalate, total (34341)	Di-*n*-octyl phthalate, total (34596)
Q3659	04-25-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3660	08-29-95	0900	<5.0	<3.0	<5.0	<5.0	<30	<3.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-25-96	0830	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3661	04-25-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
N1429	12-09-92	1145	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
N1627	12-10-92	1100	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-02-96	1215	--	--	--	--	--	--	--	--	--	--	--	--	--
N3864	11-10-92	1215	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
N3867	11-02-92	1145	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-02-96	1015	--	--	--	--	--	--	--	--	--	--	--	--	--
N3932	10-07-92	1200	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-05-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
N4026	08-20-92	1005	<5.0	<3.0	<5.0	<5.0	<30	<3.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	08-31-93	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
	04-30-96	0905	--	--	--	--	--	--	--	--	--	--	--	--	--
N4062	11-23-92	1120	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-05-96	1115	--	--	--	--	--	--	--	--	--	--	--	--	--
N4213	11-02-92	1115	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-30-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
N6581	11-30-92	0930	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-06-96	1300	--	--	--	--	--	--	--	--	--	--	--	--	--
N6701	12-15-92	1200	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
N6703	12-15-92	0955	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	05-07-96	1115	--	--	--	--	--	--	--	--	--	--	--	--	--
N6707	11-09-92	1300	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	04-30-96	1315	--	--	--	--	--	--	--	--	--	--	--	--	--
N6792	08-20-92	1100	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
N7161	10-29-92	1120	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
N7161	06-24-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
N8877	08-19-92	1445	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<30	<30	<5.0	<5.0	<5.0	<5.0	<10
	06-11-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4H. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[Values are in micrograms per liter unless otherwise noted; mg/L, milligrams per liter; --, analyses performed by contract laboratory, data available from New York City Department of Environmental Protection. Well locations are shown in fig. 2]

Well number	Date	Sampling time	Butyl-benzyl phthalate, total (34292)	Benzo[a]-pyrene, total (34247)	Pyrene, total (34469)	Indeno-[1,2,3-cd] pyrene, total (34403)	1,2,4-Trichloro-benzene, water, unfiltered, recoverable (34551)	2,4,6-Trichloro-phenol, total (34621)	Benzene, total (34030)	Bromo-benzene, water, whole, total (81555)	Bromo-form, total (32104)	Carbon tetra-chloride, total (32102)	2-Chloro-ethyl vinyl ether, total (34576)	Chloro-benzene, total (34301)	Chloro-dibromo-methane, total (32105)
K1673	10-26-92	1035	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-08-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
K1678	10-26-92	1145	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K1689	08-26-92	0955	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-29-96	0950	--	--	--	--	--	--	--	--	--	--	--	--	--
K2407	09-30-92	1115	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-29-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
K2412	08-31-92	0930	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-13-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K2482	09-03-92	0945	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-09-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
	07-09-96	0901[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
K2510	09-01-92	0925	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-17-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K2511	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K2582	08-31-92	1100	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-01-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K2598	09-17-92	1115	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
K2610	09-02-92	0925	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-02-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
K2622	09-03-92	1120	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K2859	01-19-93	1330	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3133	09-17-92	1000	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-09-96	1015	--	--	--	--	--	--	--	--	--	--	--	--	--
K3151	09-02-92	1055	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

[a] Duplicate sample.

Table 4H. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Butyl-benzyl phthalate, total (34292)	Benzo[a]-pyrene, total (34247)	Pyrene, total (34469)	Indeno-[1,2,3-cd] pyrene, total (34403)	1,2,4-Trichloro-benzene, water, unfiltered, recoverable (34551)	2,4,6-Trichloro-phenol, total (34621)	Benzene, total (34030)	Bromo-benzene, water, whole, total (81555)	Bromo-form, total (32104)	Carbon tetra-chloride, total (32102)	2-Chloro-ethyl vinyl ether, total (34576)	Chloro-benzene, total (34301)	Chloro-dibromo-methane, total (32105)
K3151	04-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
K3214	10-14-92	1120	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-16-96	1115	--	--	--	--	--	--	--	--	--	--	--	--	--
K3216	10-14-92	1200	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3218	10-14-92	1030	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-16-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K3242	08-26-92	1055	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-20-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	0931[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
K3245	09-22-92	1100	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3246	10-13-92	0955	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-02-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
K3248	10-29-92	1050	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-17-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
K3249	10-29-92	1245	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3250	12-21-92	1030	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-20-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K3251	10-22-92	1105	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
K3252	10-21-92	0920	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-06-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K3253	11-05-92	1130	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
K3254	10-21-92	1045	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-06-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
K3255	09-03-92	0930	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3256	09-03-92	1210	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3257	11-10-92	1115	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3267	08-27-92	0915	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-09-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4H. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Butyl-benzyl phthalate, total (34292)	Benzo[a]-pyrene, total (34247)	Pyrene, total (34469)	Indeno-[1,2,3-cd] pyrene, total (34403)	1,2,4-Trichloro-benzene, water, unfiltered, recoverable (34551)	2,4,6-Trichloro-phenol, total (34621)	Benzene, total (34030)	Bromo-benzene, water, whole, total (81555)	Bromo-form, total (32104)	Carbon tetra-chloride, total (32102)	2-Chloro-ethyl vinyl ether, total (34576)	Chloro-benzene, total (34301)	Chloro-dibromo-methane, total (32105)
K3271	09-02-92	1035	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3273	11-02-92	1215	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3275	11-04-92	1120	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K3276	09-22-92	0950	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-09-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
	05-09-96	1001[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
K3405	07-18-95	1145	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-15-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K3406	07-19-95	1025	<5.0	<10	<5.0	<10	<3.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3407	08-07-95	0945	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	1015	--	--	--	--	--	--	--	--	--	--	--	--	--
K3410	08-08-95	1200	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K3414	08-07-95	1200	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-08-96	1400	--	--	--	--	--	--	--	--	--	--	--	--	--
K3424	07-24-95	0955	<5.0	<10	<5.0	<10	<3.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3425	08-08-95	0900	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-18-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
K3426	08-28-95	1015	<5.0	<10	<5.0	<10	<3.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-02-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K3430	04-30-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
K3431	04-22-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
Q273	09-28-92	1300	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Q277	09-08-92	1150	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-30-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q287	11-04-92	1300	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-01-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
Q470	09-08-92	1255	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-17-96	1150	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4H. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Butyl-benzyl phthalate, total (34292)	Benzo[a]-pyrene, total (34247)	Pyrene, total (34469)	Indeno-[1,2,3-cd] pyrene, total (34403)	1,2,4-Trichloro-benzene, water, unfiltered, recoverable (34551)	2,4,6-Trichloro-phenol, total (34621)	Benzene, total (34030)	Bromo-benzene, water, whole, total (81555)	Bromo-form, total (32104)	Carbon tetra-chloride, total (32102)	2-Chloro-ethyl vinyl ether, total (34576)	Chloro-benzene, total (34301)	Chloro-dibromo-methane, total (32105)
Q471	11-05-92	1045	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-26-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1071	12-03-92	1405	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Q1187	11-30-92	1150	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Q1189	12-01-92	1205	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-17-96	0830	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1237	11-24-92	1330	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-10-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1373	12-21-92	1300	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-16-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1472	08-27-92	1105	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-04-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1605	09-10-92	0830	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Q1663	09-16-92	0905	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	3.8	<3.0	<3.0	<3.0
	04-03-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1914	09-14-92	1120	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-03-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1930	09-29-92	0945	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-23-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2324	08-26-92	1140	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-24-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2407	09-14-92	1010	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-22-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2418	09-15-92	1045	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-12-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2419	09-14-92	0945	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-11-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2420	09-14-92	1000	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-11-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2656	09-16-92	1020	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 4H. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Butyl-benzyl phthalate, total (34292)	Benzo[a]-pyrene, total (34247)	Pyrene, total (34469)	Indeno-[1,2,3-cd] pyrene, total (34403)	1,2,4-Trichloro-benzene, water, unfiltered, recoverable (34551)	2,4,6-Trichloro-phenol, total (34621)	Benzene, total (34030)	Bromo-benzene, water, whole, total (81555)	Bromo-form, total (32104)	Carbon tetra-chloride, total (32102)	2-Chloro-ethyl vinyl ether, total (34576)	Chloro-benzene, total (34301)	Chloro-dibromo-methane, total (32105)
Q2656	04-04-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2791	09-15-92	0940	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2814	09-15-92	1055	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	0915	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2978	09-08-92	1105	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	1245	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2994	08-27-92	0940	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-12-96	0915	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2995	08-27-92	1105	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-12-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3003	09-30-92	0950	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-03-96	0810	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3036	09-10-92	0730	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-29-96	1315	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3109	08-26-92	1010	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-21-96	0920	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3110	08-25-92	1115	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-23-96	1155	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3112	08-24-92	1020	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-23-96	0910	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3114	08-31-92	1030	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-21-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3115	08-31-92	0920	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-21-96	1150	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3117	08-24-92	1130	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-23-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3119	09-09-92	0940	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-25-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3121	09-16-92	1130	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 4H. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Butyl-benzyl phthalate, total (34292)	Benzo[a]-pyrene, total (34247)	Pyrene, total (34469)	Indeno-[1,2,3-cd] pyrene, total (34403)	1,2,4-Trichloro-benzene, water, unfiltered, recoverable (34551)	2,4,6-Trichloro-phenol, total (34621)	Benzene, total (34030)	Bromo-benzene, water, whole, total (81555)	Bromo-form, total (32104)	Carbon tetra-chloride, total (32102)	2-Chloro-ethyl vinyl ether, total (34576)	Chloro-benzene, total (34301)	Chloro-dibromo-methane, total (32105)
Q3134	09-08-92	0930	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-13-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3587	07-17-95	1245	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-27-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3589	08-10-95	0755	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-20-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	1101[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3593	07-27-95	0920	<5.0	<10	<5.0	<10	<3.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-10-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3604	07-27-95	0900	<5.0	<10	<5.0	<10	<3.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-10-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3627	08-30-95	1215	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-19-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3628	09-05-95	1500	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-18-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3629	09-05-95	1230	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3644	08-09-95	1000	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-26-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3646	08-09-95	1145	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-26-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3648	07-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3649	07-24-95	1245	<5.0	<10	<5.0	<10	<3.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-01-96	0855	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3650	04-01-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3651	08-29-95	1120	<5.0	<10	<5.0	<10	<3.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-01-96	1145	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3652	06-12-96	1300	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3658	07-02-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3659	07-25-95	1000	<5.0	<10	<5.0	<10	<3.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 4H. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Butyl-benzyl phthalate, total (34292)	Benzo[a]-pyrene, total (34247)	Pyrene, total (34469)	Indeno-[1,2,3-cd] pyrene, total (34403)	1,2,4-Trichloro-benzene, water, unfiltered, recoverable (34551)	2,4,6-Trichloro-phenol, total (34621)	Benzene, total (34030)	Bromo-benzene, water, whole, total (81555)	Bromo-form, total (32104)	Carbon tetra-chloride, total (32102)	2-Chloro-ethyl vinyl ether, total (34576)	Chloro-benzene, total (34301)	Chloro-dibromo-methane, total (32105)
Q3659	04-25-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3660	08-29-95	0900	<5.0	<10	<5.0	<10	<3.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-25-96	0830	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3661	04-25-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
N1429	12-09-92	1145	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N1627	12-10-92	1100	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-02-96	1215	--	--	--	--	--	--	--	--	--	--	--	--	--
N3864	11-10-92	1215	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N3867	11-02-92	1145	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-02-96	1015	--	--	--	--	--	--	--	--	--	--	--	--	--
N3932	10-07-92	1200	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-05-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
N4026	08-20-92	1005	<5.0	<10	<5.0	<10	<3.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	08-31-93	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
	04-30-96	0905	--	--	--	--	--	--	--	--	--	--	--	--	--
N4062	11-23-92	1120	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-05-96	1115	--	--	--	--	--	--	--	--	--	--	--	--	--
N4213	11-02-92	1115	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-30-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
N6581	11-30-92	0930	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-06-96	1300	--	--	--	--	--	--	--	--	--	--	--	--	--
N6701	12-15-92	1200	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N6703	12-15-92	0955	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-07-96	1115	--	--	--	--	--	--	--	--	--	--	--	--	--
N6707	11-09-92	1300	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-30-96	1315	--	--	--	--	--	--	--	--	--	--	--	--	--
N6792	08-20-92	1100	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N7161	10-29-92	1120	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N7161	06-24-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
N8877	08-19-92	1445	<5.0	<10	<5.0	<10	<5.0	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-11-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4I. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[Values are in micrograms per liter unless otherwise noted; mg/L, milligrams per liter; --, analyses performed by contract laboratory, data available from New York City Department of Environmental Protection; ND, no data available. Well locations are shown in fig. 2]

Well number	Date	Sampling time	Chloroethane, total (34311)	Chloroform, total (32106)	*cis*-1,2-Dichloroethylene, water, total (77093)	*cis*-1,3-Dichloropropene, total (34704)	3-Chloro-1,2-dibromopropane, water, whole, total recoverable (82625)	Dibromomethane, water, whole, recoverable (30217)	1,2-Dibromoethane, water, whole, total (77651)	Dichlorodifluoromethane, total (34668)	Bromodichloromethane, total (32101)	1,1-Dichloroethane, total (34496)	1,2-Dichloroethane, total (32103)	1,1-Dichloroethylene, total (34501)	1,2-Dichloropropane, total (34541)
K1673	10-26-92	1035	<3.0	4.8	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-08-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
K1678	10-26-92	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K1689	08-26-92	0955	<3.0	4.8	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-29-96	0950	--	--	--	--	--	--	--	--	--	--	--	--	--
K2407	09-30-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4.1	<3.0	13	<3.0
	04-29-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
K2412	08-31-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-13-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K2482	09-03-92	0945	<3.0	4.8	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-09-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
	07-09-96	0901[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
K2510	09-01-92	0925	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-17-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K2511	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K2582	08-31-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-01-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K2598	09-17-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
K2610	09-02-92	0925	<3.0	<3.0	8.4	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	8.7	<3.0
	04-02-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
K2622	09-03-92	1120	<3.0	15	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K2859	01-19-93	1330	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3133	09-17-92	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-09-96	1015	--	--	--	--	--	--	--	--	--	--	--	--	--
K3151	09-02-92	1055	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

[a] Duplicate sample.

Table 4I. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chloroethane, total (34311)	Chloroform, total (32106)	*cis*-1,2-Dichloroethylene, water, total (77093)	*cis*-1,3-Dichloropropene, total (34704)	3-Chloro-1,2-dibromopropane, water, whole, total recoverable (82625)	Dibromomethane, water, whole, recoverable (30217)	1,2-Dibromoethane, water, whole, total (77651)	Dichlorodifluoromethane, total (34668)	Bromodichloromethane, total (32101)	1,1-Dichloroethane, total (34496)	1,2-Dichloroethane, total (32103)	1,1-Dichloroethylene, total (34501)	1,2-Dichloropropane, total (34541)
K3151	04-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
K3214	10-14-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-16-96	1115	--	--	--	--	--	--	--	--	--	--	--	--	--
K3216	10-14-92	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3218	10-14-92	1030	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	14	<3.0	<3.0	<3.0	<3.0	<3.0
	04-16-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K3242	08-26-92	1055	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-20-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	0931[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
K3245	09-22-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3246	10-13-92	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-02-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
K3248	10-29-92	1050	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-17-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
K3249	10-29-92	1245	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3250	12-21-92	1030	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-20-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K3251	10-22-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
K3252	10-21-92	0920	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-06-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K3253	11-05-92	1130	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
K3254	10-21-92	1045	<3.0	<3.0	6.1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-06-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
K3255	09-03-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3256	09-03-92	1210	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3257	11-10-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3267	08-27-92	0915	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-09-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4I. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chloro-ethane, total (34311)	Chloro-form, total (32106)	*cis*-1,2-Dichloro-ethylene, water, total (77093)	*cis*-1,3-Dichloro-propene, total (34704)	3-Chloro-1,2-dibromo-propane, water, whole, total recoverable (82625)	Dibromo-methane, water, whole, recoverable (30217)	1,2-Dibromo-ethane, water, whole, total (77651)	Dichloro-difluoro-methane, total (34668)	Bromo-dichloro-methane, total (32101)	1,1-Di-chloro-ethane, total (34496)	1,2-Di-chloro-ethane, total (32103)	1,1-Di-chloro-ethylene, total (34501)	1,2-Di-chloro-propane, total (34541)
K3271	09-02-92	1035	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3273	11-02-92	1215	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3275	11-04-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
K3276	09-22-92	0950	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-09-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
	05-09-96	1001[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
K3405	07-18-95	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-15-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K3406	07-19-95	1025	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3407	08-07-95	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	1015	--	--	--	--	--	--	--	--	--	--	--	--	--
K3410	08-08-95	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
K3414	08-07-95	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-08-96	1400	--	--	--	--	--	--	--	--	--	--	--	--	--
K3424	07-24-95	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3425	08-08-95	0900	<3.0	<3.0	5.5	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-18-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
K3426	08-28-95	1015	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-02-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
K3430	04-30-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
K3431	04-22-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
Q273	09-28-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Q277	09-08-92	1150	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-30-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q287	11-04-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-01-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
Q470	09-08-92	1255	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-17-96	1150	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4I. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chloroethane, total (34311)	Chloroform, total (32106)	*cis*-1,2-Dichloroethylene, water, total (77093)	*cis*-1,3-Dichloropropene, total (34704)	3-Chloro-1,2-dibromopropane, water, whole, total recoverable (82625)	Dibromomethane, water, whole, recoverable (30217)	1,2-Dibromoethane, water, whole, total (77651)	Dichlorodifluoromethane, total (34668)	Bromodichloromethane, total (32101)	1,1-Dichloroethane, total (34496)	1,2-Dichloroethane, total (32103)	1,1-Dichloroethylene, total (34501)	1,2-Dichloropropane, total (34541)
Q471	11-05-92	1045	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-26-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1071	12-03-92	1405	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Q1187	11-30-92	1150	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Q1189	12-01-92	1205	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-17-96	0830	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1237	11-24-92	1330	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-10-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1373	12-21-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-16-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1472	08-27-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-04-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1605	09-10-92	0830	<3.0	8.9	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Q1663	09-16-92	0905	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-03-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1914	09-14-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-03-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q1930	09-29-92	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-23-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2324	08-26-92	1140	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-24-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2407	09-14-92	1010	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-22-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2418	09-15-92	1045	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-12-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2419	09-14-92	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-11-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2420	09-14-92	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-11-96	0930	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2656	09-16-92	1020	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 4I. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chloroethane, total (34311)	Chloroform, total (32106)	*cis*-1,2-Dichloroethylene, water, total (77093)	*cis*-1,3-Dichloropropene, total (34704)	3-Chloro-1,2-dibromopropane, water, whole, total recoverable (82625)	Dibromomethane, water, whole, recoverable (30217)	1,2-Dibromoethane, water, whole, total (77651)	Dichlorodifluoromethane, total (34668)	Bromodichloromethane, total (32101)	1,1-Dichloroethane, total (34496)	1,2-Dichloroethane, total (32103)	1,1-Dichloroethylene, total (34501)	1,2-Dichloropropane, total (34541)
Q2656	04-04-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2791	09-15-92	0940	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2814	09-15-92	1055	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	0915	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2978	09-08-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	1245	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2994	08-27-92	0940	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-12-96	0915	--	--	--	--	--	--	--	--	--	--	--	--	--
Q2995	08-27-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-12-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3003	09-30-92	0950	<3.0	<3.0	88	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-03-96	0810	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3036	09-10-92	0730	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-29-96	1315	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3109	08-26-92	1010	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-21-96	0920	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3110	08-25-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-23-96	1155	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3112	08-24-92	1020	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-23-96	0910	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3114	08-31-92	1030	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-21-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3115	08-31-92	0920	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-21-96	1150	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3117	08-24-92	1130	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-23-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3119	09-09-92	0940	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-25-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3121	09-16-92	1130	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 4I. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chloroethane, total (34311)	Chloroform, total (32106)	*cis*-1,2-Dichloroethylene, water, total (77093)	*cis*-1,3-Dichloropropene, total (34704)	3-Chloro-1,2-dibromopropane, water, whole, total recoverable (82625)	Dibromomethane, water, whole, recoverable (30217)	1,2-Dibromoethane, water, whole, total (77651)	Dichlorodifluoromethane, total (34668)	Bromodichloromethane, total (32101)	1,1-Dichloroethane, total (34496)	1,2-Dichloroethane, total (32103)	1,1-Dichloroethylene, total (34501)	1,2-Dichloropropane, total (34541)
Q3134	09-08-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-13-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3587	07-17-95	1245	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-27-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3589	08-10-95	0755	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-20-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	1101[a]	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3593	07-27-95	0920	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-10-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3604	07-27-95	0900	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-10-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3627	08-30-95	1215	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-19-96	1230	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3628	09-05-95	1500	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-18-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3629	09-05-95	1230	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3644	08-09-95	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-26-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3646	08-09-95	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-26-96	1130	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3648	07-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3649	07-24-95	1245	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-01-96	0855	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3650	04-01-96	1100	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3651	08-29-95	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-01-96	1145	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3652	06-12-96	1300	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3658	07-02-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3659	07-25-95	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 4I. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Chloroethane, total (34311)	Chloroform, total (32106)	*cis*-1,2-Dichloroethylene, water, total (77093)	*cis*-1,3-Dichloropropene, total (34704)	3-Chloro-1,2-dibromopropane, water, whole, total recoverable (82625)	Dibromomethane, water, whole, recoverable (30217)	1,2-Dibromoethane, water, whole, total (77651)	Dichlorodifluoromethane, total (34668)	Bromodichloromethane, total (32101)	1,1-Dichloroethane, total (34496)	1,2-Dichloroethane, total (32103)	1,1-Dichloroethylene, total (34501)	1,2-Dichloropropane, total (34541)
Q3659	04-25-96	1200	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3660	08-29-95	0900	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-25-96	0830	--	--	--	--	--	--	--	--	--	--	--	--	--
Q3661	04-25-96	1030	--	--	--	--	--	--	--	--	--	--	--	--	--
N1429	12-09-92	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N1627	12-10-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-02-96	1215	--	--	--	--	--	--	--	--	--	--	--	--	--
N3864	11-10-92	1215	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N3867	11-02-92	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-02-96	1015	--	--	--	--	--	--	--	--	--	--	--	--	--
N3932	10-07-92	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-05-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
N4026	08-20-92	1005	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	08-31-93	0900	--	--	--	--	--	--	--	--	--	--	--	--	--
	04-30-96	0905	--	--	--	--	--	--	--	--	--	--	--	--	--
N4062	11-23-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-05-96	1115	--	--	--	--	--	--	--	--	--	--	--	--	--
N4213	11-02-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-30-96	1045	--	--	--	--	--	--	--	--	--	--	--	--	--
N6581	11-30-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-06-96	1300	--	--	--	--	--	--	--	--	--	--	--	--	--
N6701	12-15-92	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N6703	12-15-92	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-07-96	1115	--	--	--	--	--	--	--	--	--	--	--	--	--
N6707	11-09-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-30-96	1315	--	--	--	--	--	--	--	--	--	--	--	--	--
N6792	08-20-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N7161	10-29-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N7161	06-24-96	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
N8877	08-19-92	1445	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-11-96	0900	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4J. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[Values are in micrograms per liter unless otherwise noted; mg/L, milligrams per liter; --, analyses performed by contract laboratory, data available from New York City Department of Environmental Protection. Well locations are shown in fig. 2]

Well number	Date	Sampling time	2,2,-Dichloropropane, water, whole, total (77170)	1,3,-Dichloropropane, water, whole, total (77173)	1,1,-Dichloropropene, water, whole, total (77168)	Ethylbenzene, total (34371)	1,1,2-Trichlorotrifluoroethane, water, unfiltered, recoverable (77652)	Isopropylbenzene, water, whole recoverable (77223)	1,3,5-Trimethylbenzene, water, unfiltered, recoverable (77226)	Bromochloromethane, water, unfiltered, recoverable (77297)	Bromomethane, total (34413)	Chloromethane, total (34418)	Dichloromethane, total (34423)	*n*-Butylbenzene, water, unfiltered, recoverable (77342)
K1673	10-26-92	1035	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-08-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
K1678	10-26-92	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K1689	08-26-92	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-29-96	0950	--	--	--	--	--	--	--	--	--	--	--	--
K2407	09-30-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-29-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K2412	08-31-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-13-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2482	09-03-92	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-09-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
	07-09-96	0901[a]	--	--	--	--	--	--	--	--	--	--	--	--
K2510	09-01-92	0925	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-17-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2511	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K2582	08-31-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-01-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2598	09-17-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K2610	09-02-92	0925	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-02-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K2622	09-03-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K2859	01-19-93	1330	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3133	09-17-92	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-09-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
K3151	09-02-92	1055	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

[a] Duplicate sample.

Table 4J. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	2,2,-Dichloropropane, water, whole, total (77170)	1,3,-Dichloropropane, water, whole, total (77173)	1,1,-Dichloropropene, water, whole, total (77168)	Ethylbenzene, total 34371)	1,1,2-Trichloro-trifluoroethane, water, unfiltered, recoverable (77652)	Isopropylbenzene, water, whole recoverable (77223)	1,3,5-Trimethylbenzene, water, unfiltered, recoverable (77226)	Bromochloromethane, water, unfiltered, recoverable (77297)	Bromomethane, total (34413)	Chloromethane, total (34418)	Dichloromethane, total (34423)	*n*-Butylbenzene, water, unfiltered, recoverable (77342)
K3151	04-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K3214	10-14-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-16-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
K3216	10-14-92	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3218	10-14-92	1030	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-16-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K3242	08-26-92	1055	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-20-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	0931[a]	--	--	--	--	--	--	--	--	--	--	--	--
K3245	09-22-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3246	10-13-92	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-02-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K3248	10-29-92	1050	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-17-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
K3249	10-29-92	1245	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3250	12-21-92	1030	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-20-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3251	10-22-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
K3252	10-21-92	0920	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-06-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K3253	11-05-92	1130	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K3254	10-21-92	1045	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-06-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K3255	09-03-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3256	09-03-92	1210	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3257	11-10-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3267	08-27-92	0915	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-09-96	1045	--	--	--	--	--	--	--	--	--	--	--	--

Table 4J. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	2,2,-Dichloropropane, water, whole, total (77170)	1,3,-Dichloropropane, water, whole, total (77173)	1,1,-Dichloropropene, water, whole, total (77168)	Ethylbenzene, total 34371)	1,1,2-Trichloro-trifluoroethane, water, unfiltered, recoverable (77652)	Isopropylbenzene, water, whole recoverable (77223)	1,3,5-Trimethylbenzene, water, unfiltered, recoverable (77226)	Bromochloromethane, water, unfiltered, recoverable (77297)	Bromomethane, total (34413)	Chloromethane, total (34418)	Dichloromethane, total (34423)	*n*-Butylbenzene, water, unfiltered, recoverable (77342)
K3271	09-02-92	1035	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3273	11-02-92	1215	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3275	11-04-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K3276	09-22-92	0950	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-09-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
	05-09-96	1001[a]	--	--	--	--	--	--	--	--	--	--	--	--
K3405	07-18-95	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-15-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3406	07-19-95	1025	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3407	08-07-95	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
K3410	08-08-95	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3414	08-07-95	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-08-96	1400	--	--	--	--	--	--	--	--	--	--	--	--
K3424	07-24-95	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3425	08-08-95	0900	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-18-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K3426	08-28-95	1015	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-02-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K3430	04-30-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K3431	04-22-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q273	09-28-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Q277	09-08-92	1150	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-30-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q287	11-04-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-01-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q470	09-08-92	1255	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-17-96	1150	--	--	--	--	--	--	--	--	--	--	--	--

Table 4J. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	2,2,-Dichloropropane, water, whole, total (77170)	1,3,-Dichloropropane, water, whole, total (77173)	1,1,-Dichloropropene, water, whole, total (77168)	Ethylbenzene, total 34371)	1,1,2-Trichlorotrifluoroethane, water, unfiltered, recoverable (77652)	Isopropylbenzene, water, whole recoverable (77223)	1,3,5-Trimethylbenzene, water, unfiltered, recoverable (77226)	Bromochloromethane, water, unfiltered, recoverable (77297)	Bromomethane, total (34413)	Chloromethane, total (34418)	Dichloromethane, total (34423)	*n*-Butylbenzene, water, unfiltered, recoverable (77342)
Q471	11-05-92	1045	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-26-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q1071	12-03-92	1405	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Q1187	11-30-92	1150	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Q1189	12-01-92	1205	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-17-96	0830	--	--	--	--	--	--	--	--	--	--	--	--
Q1237	11-24-92	1330	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-10-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q1373	12-21-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-16-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q1472	08-27-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-04-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q1605	09-10-92	0830	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Q1663	09-16-92	0905	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-03-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q1914	09-14-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-03-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q1930	09-29-92	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-23-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q2324	08-26-92	1140	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-24-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q2407	09-14-92	1010	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-22-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q2418	09-15-92	1045	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-12-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q2419	09-14-92	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-11-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q2420	09-14-92	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-11-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q2656	09-16-92	1020	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 4J. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	2,2,-Dichloropropane, water, whole, total (77170)	1,3,-Dichloropropane, water, whole, total (77173)	1,1,-Dichloropropene, water, whole, total (77168)	Ethylbenzene, total 34371)	1,1,2-Trichlorotrifluoroethane, water, unfiltered, recoverable (77652)	Isopropylbenzene, water, whole recoverable (77223)	1,3,5-Trimethylbenzene, water, unfiltered, recoverable (77226)	Bromochloromethane, water, unfiltered, recoverable (77297)	Bromomethane, total (34413)	Chloromethane, total (34418)	Dichloromethane, total (34423)	*n*-Butylbenzene, water, unfiltered, recoverable (77342)
Q2656	04-04-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q2791	09-15-92	0940	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
Q2814	09-15-92	1055	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	0915	--	--	--	--	--	--	--	--	--	--	--	--
Q2978	09-08-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	1245	--	--	--	--	--	--	--	--	--	--	--	--
Q2994	08-27-92	0940	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-12-96	0915	--	--	--	--	--	--	--	--	--	--	--	--
Q2995	08-27-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-12-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3003	09-30-92	0950	<3.0	<3.0	<3.0	<3.0	8.7	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-03-96	0810	--	--	--	--	--	--	--	--	--	--	--	--
Q3036	09-10-92	0730	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-29-96	1315	--	--	--	--	--	--	--	--	--	--	--	--
Q3109	08-26-92	1010	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-21-96	0920	--	--	--	--	--	--	--	--	--	--	--	--
Q3110	08-25-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-23-96	1155	--	--	--	--	--	--	--	--	--	--	--	--
Q3112	08-24-92	1020	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-23-96	0910	--	--	--	--	--	--	--	--	--	--	--	--
Q3114	08-31-92	1030	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-21-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3115	08-31-92	0920	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-21-96	1150	--	--	--	--	--	--	--	--	--	--	--	--
Q3117	08-24-92	1130	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-23-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3119	09-09-92	0940	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-25-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3121	09-16-92	1130	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 4J. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	2,2,-Di-chloro-propane, water, whole, total (77170)	1,3,-Di-chloro-propane, water, whole, total (77173)	1,1,-Di-chloro-propene, water, whole, total (77168)	Ethyl-benzene, total 34371)	1,1,2-Trichloro-trifluoro-ethane, water, unfiltered, recoverable (77652)	Isopropyl-benzene, water, whole recover-able (77223)	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable (77226)	Bromo-chloro-methane, water, unfiltered, recoverable (77297)	Bromo-methane, total (34413)	Chloro-methane, total (34418)	Di-chloro-methane, total (34423)	*n*-Butyl-benzene, water, unfiltered, recover-able (77342)
Q3134	09-08-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-13-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q3587	07-17-95	1245	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-27-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3589	08-10-95	0755	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-20-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	1101[a]	--	--	--	--	--	--	--	--	--	--	--	--
Q3593	07-27-95	0920	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-10-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3604	07-27-95	0900	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-10-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q3627	08-30-95	1215	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-19-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q3628	09-05-95	1500	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-18-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3629	09-05-95	1230	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q3644	08-09-95	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-26-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3646	08-09-95	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-26-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q3648	07-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3649	07-24-95	1245	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-01-96	0855	--	--	--	--	--	--	--	--	--	--	--	--
Q3650	04-01-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3651	08-29-95	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-01-96	1145	--	--	--	--	--	--	--	--	--	--	--	--
Q3652	06-12-96	1300	--	--	--	--	--	--	--	--	--	--	--	--
Q3658	07-02-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3659	07-25-95	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 4J. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	2,2,-Dichloropropane, water, whole, total (77170)	1,3,-Dichloropropane, water, whole, total (77173)	1,1,-Dichloropropene, water, whole, total (77168)	Ethylbenzene, total 34371)	1,1,2-Trichlorotrifluoroethane, water, unfiltered, recoverable (77652)	Isopropylbenzene, water, whole recoverable (77223)	1,3,5-Trimethylbenzene, water, unfiltered, recoverable (77226)	Bromochloromethane, water, unfiltered, recoverable (77297)	Bromomethane, total (34413)	Chloromethane, total (34418)	Dichloromethane, total (34423)	*n*-Butylbenzene, water, unfiltered, recoverable (77342)
Q3659	04-25-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q3660	08-29-95	0900	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-25-96	0830	--	--	--	--	--	--	--	--	--	--	--	--
Q3661	04-25-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
N1429	12-09-92	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N1627	12-10-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-02-96	1215	--	--	--	--	--	--	--	--	--	--	--	--
N3864	11-10-92	1215	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N3867	11-02-92	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-02-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
N3932	10-07-92	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-05-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
N4026	08-20-92	1005	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	08-31-93	0900	--	--	--	--	--	--	--	--	--	--	--	--
	04-30-96	0905	--	--	--	--	--	--	--	--	--	--	--	--
N4062	11-23-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-05-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
N4213	11-02-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-30-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
N6581	11-30-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-06-96	1300	--	--	--	--	--	--	--	--	--	--	--	--
N6701	12-15-92	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N6703	12-15-92	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-07-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
N6707	11-09-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-30-96	1315	--	--	--	--	--	--	--	--	--	--	--	--
N6792	08-20-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N7161	10-29-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N7161	06-24-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
N8877	08-19-92	1445	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-11-96	0900	--	--	--	--	--	--	--	--	--	--	--	--

Table 4K. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[Values are in micrograms per liter unless otherwise noted; mg/L, milligrams per liter; --, analyses performed by contract laboratory, data available from New York City Department of Environmental Protection. Well locations are shown in fig. 2]

Well number	Date	Sampling time	*n*-Propylbenzene, water, unfiltered recoverable (77224)	2-Chlorotoluene, water, whole, total (77275)	4-Chlorotoluene, water, unfiltered recoverable (77277)	4-Isopropyl-1-methylbenzene, water, whole recoverable (77356)	1,2,4-Trimethylbenzene, unfiltered, recoverable (77222)	*sec*-Butylbenzene, water, unfiltered recoverable (77350)	Styrene, total (77128)	*tert*-Butylbenzene, water, unfiltered recoverable (77353)	*tert*-Butyl methyl ether, water, unfiltered recoverable (78032)	1,1,1,2-Tetrachloroethane, water, unfiltered recoverable (77562)	1,1,2,2-Tetrachloroethane, water, unfiltered recoverable (34516)	Tetrachloroethylene, total (34475)
K1673	10-26-92	1035	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5.10	<3.0	<3.0	3.0
	04-08-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
K1678	10-26-92	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K1689	08-26-92	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	100
	04-29-96	0950	--	--	--	--	--	--	--	--	--	--	--	--
K2407	09-30-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	1,000	<3.0	<3.0	<3.0
	04-29-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K2412	08-31-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-13-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2482	09-03-92	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	07-09-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
	07-09-96	0901[a]	--	--	--	--	--	--	--	--	--	--	--	--
K2510	09-01-92	0925	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-17-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2511	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K2582	08-31-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-01-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K2598	09-17-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K2610	09-02-92	0925	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	88
	04-02-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K2622	09-03-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K2859	01-19-93	1330	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
K3133	09-17-92	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-09-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
K3151	09-02-92	1055	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0

[a] Duplicate sample.

Table 4K. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	*n*-Propylbenzene, water, unfiltered recoverable (77224)	2-Chlorotoluene, water, whole, total (77275	4-Chlorotoluene, water, unfiltered recoverable (77277)	4-Isopropyl-1-methylbenzene, water, whole recoverable (77356)	1,2,4-Trimethylbenzene, unfiltered, recoverable (77222)	*sec*-Butylbenzene, water, unfiltered recoverable (77350)	Styrene, total (77128)	*tert*-Butylbenzene, water, unfiltered recoverable (77353)	*tert*-Butyl methyl ether, water, unfiltered recoverable (78032)	1,1,1,2-Tetrachloroethane, water, unfiltered recoverable (77562)	1,1,2,2-Tetrachloroethane, water, unfiltered recoverable (34516)	Tetrachloroethylene, total (34475)
K3151	04-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K3214	10-14-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	3.0
	04-16-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
K3216	10-14-92	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	11	<3.0	<3.0	11
K3218	10-14-92	1030	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-16-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K3242	08-26-92	1055	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-20-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	0931[a]	--	--	--	--	--	--	--	--	--	--	--	--
K3245	09-22-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
K3246	10-13-92	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-02-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K3248	10-29-92	1050	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-17-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
K3249	10-29-92	1245	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
K3250	12-21-92	1030	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-20-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3251	10-22-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
K3252	10-21-92	0920	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-06-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K3253	11-05-92	1130	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-15-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
K3254	10-21-92	1045	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	150
	05-06-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
K3255	09-03-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
K3256	09-03-92	1210	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
K3257	11-10-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
K3267	08-27-92	0915	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	07-09-96	1045	--	--	--	--	--	--	--	--	--	--	--	--

Table 4K. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	*n*-Propylbenzene, water, unfiltered recoverable (77224)	2-Chlorotoluene, water, whole, total (77275	4-Chlorotoluene, water, unfiltered recoverable (77277)	4-Isopropyl-1-methylbenzene, water, whole recoverable (77356)	1,2,4-Trimethylbenzene, unfiltered, recoverable (77222)	*sec*-Butylbenzene, water, unfiltered recoverable (77350)	Styrene, total (77128)	*tert*-Butylbenzene, water, unfiltered recoverable (77353)	*tert*-Butyl methyl ether, water, unfiltered recoverable (78032)	1,1,1,2-Tetrachloroethane, water, unfiltered recoverable (77562)	1,1,2,2-Tetrachloroethane, water, unfiltered recoverable (34516)	Tetrachloroethylene, total (34475)
K3271	09-02-92	1035	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
K3273	11-02-92	1215	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
K3275	11-04-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
K3276	09-22-92	0950	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-09-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
	05-09-96	1001[a]	--	--	--	--	--	--	--	--	--	--	--	--
K3405	07-18-95	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-15-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3406	07-19-95	1025	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3407	08-07-95	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-11-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
K3410	08-08-95	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
K3414	08-07-95	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-08-96	1400	--	--	--	--	--	--	--	--	--	--	--	--
K3424	07-24-95	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
K3425	08-08-95	0900	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	17
	04-18-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K3426	08-28-95	1015	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-02-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
K3430	04-30-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
K3431	04-22-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q273	09-28-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
Q277	09-08-92	1150	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-30-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q287	11-04-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	07-01-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q470	09-08-92	1255	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	07-17-96	1150	--	--	--	--	--	--	--	--	--	--	--	--

Table 4K. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	*n*-Propylbenzene, water, unfiltered recoverable (77224)	2-Chlorotoluene, water, whole, total (77275	4-Chlorotoluene, water, unfiltered recoverable (77277)	4-Isopropyl-1-methylbenzene, water, whole recoverable (77356)	1,2,4-Trimethylbenzene, unfiltered, recoverable (77222)	*sec*-Butylbenzene, water, unfiltered recoverable (77350)	Styrene, total (77128)	*tert*-Butylbenzene, water, unfiltered recoverable (77353)	*tert*-Butyl methyl ether, water, unfiltered recoverable (78032)	1,1,1,2-Tetrachloroethane, water, unfiltered recoverable (77562)	1,1,2,2-Tetrachloroethane, water, unfiltered recoverable (34516)	Tetrachloroethylene, total (34475)
Q471	11-05-92	1045	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	06-26-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q1071	12-03-92	1405	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
Q1187	11-30-92	1150	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
Q1189	12-01-92	1205	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	06-17-96	0830	--	--	--	--	--	--	--	--	--	--	--	--
Q1237	11-24-92	1330	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	07-10-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q1373	12-21-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	07-16-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q1472	08-27-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-04-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q1605	09-10-92	0830	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
Q1663	09-16-92	0905	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-03-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q1914	09-14-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	10
	04-03-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q1930	09-29-92	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-23-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q2324	08-26-92	1140	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	06-24-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q2407	09-14-92	1010	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	5.3
	04-22-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q2418	09-15-92	1045	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	06-12-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q2419	09-14-92	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	06-11-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q2420	09-14-92	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	06-11-96	0930	--	--	--	--	--	--	--	--	--	--	--	--
Q2656	09-16-92	1020	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0

Table 4K. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	*n*-Propylbenzene, water, unfiltered recoverable (77224)	2-Chlorotoluene, water, whole, total (77275	4-Chlorotoluene, water, unfiltered recoverable (77277)	4-Isopropyl-1-methylbenzene, water, whole recoverable (77356)	1,2,4-Trimethylbenzene, unfiltered, recoverable (77222)	*sec*-Butylbenzene, water, unfiltered recoverable (77350)	Styrene, total (77128)	*tert*-Butylbenzene, water, unfiltered recoverable (77353)	*tert*-Butyl methyl ether, water, unfiltered recoverable (78032)	1,1,1,2-Tetrachloroethane, water, unfiltered recoverable (77562)	1,1,2,2-Tetrachloroethane, water, unfiltered recoverable (34516)	Tetrachloroethylene, total (34475)
Q2656	04-04-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q2791	09-15-92	0940	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
Q2814	09-15-92	1055	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-11-96	0915	--	--	--	--	--	--	--	--	--	--	--	--
Q2978	09-08-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-11-96	1245	--	--	--	--	--	--	--	--	--	--	--	--
Q2994	08-27-92	0940	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	06-12-96	0915	--	--	--	--	--	--	--	--	--	--	--	--
Q2995	08-27-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	06-12-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3003	09-30-92	0950	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	23
	06-03-96	0810	--	--	--	--	--	--	--	--	--	--	--	--
Q3036	09-10-92	0730	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-29-96	1315	--	--	--	--	--	--	--	--	--	--	--	--
Q3109	08-26-92	1010	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-21-96	0920	--	--	--	--	--	--	--	--	--	--	--	--
Q3110	08-25-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-23-96	1155	--	--	--	--	--	--	--	--	--	--	--	--
Q3112	08-24-92	1020	<3.0	<3.0	<3,0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-23-96	0910	--	--	--	--	--	--	--	--	--	--	--	--
Q3114	08-31-92	1030	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-21-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3115	08-31-92	0920	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-21-96	1150	--	--	--	--	--	--	--	--	--	--	--	--
Q3117	08-24-92	1130	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-23-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3119	09-09-92	0940	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	06-25-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3121	09-16-92	1130	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	7.9	<3.0	<3.0	<3.0

Table 4K. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	*n*-Propylbenzene, water, unfiltered recoverable (77224)	2-Chlorotoluene, water, whole, total (77275	4-Chlorotoluene, water, unfiltered recoverable (77277)	4-Isopropyl-1-methylbenzene, water, whole recoverable (77356)	1,2,4-Trimethylbenzene, unfiltered, recoverable (77222)	*sec*-Butylbenzene, water, unfiltered recoverable (77350)	Styrene, total (77128)	*tert*-Butylbenzene, water, unfiltered recoverable (77353)	*tert*-Butyl methyl ether, water, unfiltered recoverable (78032)	1,1,1,2-Tetrachloroethane, water, unfiltered recoverable (77562)	1,1,2,2-Tetrachloroethane, water, unfiltered recoverable (34516)	Tetrachloroethylene, total (34475)
Q3134	09-08-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-13-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q3587	07-17-95	1245	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-27-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3589	08-10-95	0755	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05-20-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	1101[a]	--	--	--	--	--	--	--	--	--	--	--	--
Q3593	07-27-95	0920	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-10-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3604	07-27-95	0900	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-10-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q3627	08-30-95	1215	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-19-96	1230	--	--	--	--	--	--	--	--	--	--	--	--
Q3628	09-05-95	1500	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-18-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3629	09-05-95	1230	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-18-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
Q3644	08-09-95	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	21
	06-26-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3646	08-09-95	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	06-26-96	1130	--	--	--	--	--	--	--	--	--	--	--	--
Q3648	07-02-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
Q3649	07-24-95	1245	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-01-96	0855	--	--	--	--	--	--	--	--	--	--	--	--
Q3650	04-01-96	1100	--	--	--	--	--	--	--	--	--	--	--	--
Q3651	08-29-95	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	07-01-96	1145	--	--	--	--	--	--	--	--	--	--	--	--
Q3652	06-12-96	1300	--	--	--	--	--	--	--	--	--	--	--	--
Q3658	07-02-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
Q3659	07-25-95	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4.0

Table 4K. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	*n*-Propylbenzene, water, unfiltered recoverable (77224)	2-Chlorotoluene, water, whole, total (77275	4-Chlorotoluene, water, unfiltered recoverable (77277)	4-Isopropyl-1-methylbenzene, water, whole recoverable (77356)	1,2,4-Trimethylbenzene, unfiltered, recoverable (77222)	*sec*-Butylbenzene, water, unfiltered recoverable (77350)	Styrene, total (77128)	*tert*-Butylbenzene, water, unfiltered recoverable (77353)	*tert*-Butyl methyl ether, water, unfiltered recoverable (78032)	1,1,1,2-Tetrachloroethane, water, unfiltered recoverable (77562)	1,1,2,2-Tetrachloroethane, water, unfiltered recoverable (34516)	Tetrachloroethylene, total (34475)
Q3659	04-25-96	1200	--	--	--	--	--	--	--	--	--	--	--	--
Q3660	08-29-95	0900	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	04-25-96	0830	--	--	--	--	--	--	--	--	--	--	--	--
Q3661	04-25-96	1030	--	--	--	--	--	--	--	--	--	--	--	--
N1429	12-09-92	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
N1627	12-10-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-02-96	1215	--	--	--	--	--	--	--	--	--	--	--	--
N3864	11-10-92	1215	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
N3867	11-02-92	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-02-96	1015	--	--	--	--	--	--	--	--	--	--	--	--
N3932	10-07-92	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	06-05-96	0900	--	--	--	--	--	--	--	--	--	--	--	--
N4026	08-20-92	1005	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	08-31-93	0900	--	--	--	--	--	--	--	--	--	--	--	--
	04-30-96	0905	--	--	--	--	--	--	--	--	--	--	--	--
N4062	11-23-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	06-05-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
N4213	11-02-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-30-96	1045	--	--	--	--	--	--	--	--	--	--	--	--
N6581	11-30-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-06-96	1300	--	--	--	--	--	--	--	--	--	--	--	--
N6701	12-15-92	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
N6703	12-15-92	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	05-07-96	1115	--	--	--	--	--	--	--	--	--	--	--	--
N6707	11-09-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	04-30-96	1315	--	--	--	--	--	--	--	--	--	--	--	--
N6792	08-20-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
N7161	10-29-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
N7161	06-24-96	1000	--	--	--	--	--	--	--	--	--	--	--	--
N8877	08-19-92	1445	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
	06-11-96	0900	--	--	--	--	--	--	--	--	--	--	--	--

Table 4L. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996

[Values are in micrograms per liter unless otherwise noted; mg/L, milligrams per liter; --, analyses performed by contract laboratory, data available from New York City Department of Environmental Protection. Well locations are shown in fig. 2]

Well number	Date	Sampling time	Toluene, total (34010)	*trans*-1,3-Dichloropropene, total (34699)	1,2,3-Trichlorobenzene, water, whole recoverable (77613)	*trans*-1,2-Dichloroethylene, total (34546)	Trichlorofluoromethane, total (34488)	1,1,1-Trichloroethane, total (34506)	1,1,2-Trichloroethane, total (34511)	Trichloroethylene, total (39180)	1,2,3-Trichloropropane, water,whole, total (77443)	Vinyl chloride, total (39175)	Xylene, water, unfiltered recoverable (81551)
K1673	10-26-92	1035	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-08-96	1045	--	--	--	--	--	--	--	--	--	--	--
K1678	10-26-92	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-02-96	1030	--	--	--	--	--	--	--	--	--	--	--
K1689	08-26-92	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	42.0	<3.0	<1.0	<3.0
	04-29-96	0950	--	--	--	--	--	--	--	--	--	--	--
K2407	09-30-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	12	<3.0	<3.0	<3.0	<1.0	<3.0
	04-29-96	1100	--	--	--	--	--	--	--	--	--	--	--
K2412	08-31-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-13-96	0930	--	--	--	--	--	--	--	--	--	--	--
K2482	09-03-92	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	07-09-96	0900	--	--	--	--	--	--	--	--	--	--	--
	07-09-96	0901[a]	--	--	--	--	--	--	--	--	--	--	--
K2510	09-01-92	0925	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-17-96	0930	--	--	--	--	--	--	--	--	--	--	--
K2511	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--
K2582	08-31-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-01-96	0930	--	--	--	--	--	--	--	--	--	--	--
K2598	09-17-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3.5	<3.0	<1.0	<3.0
	04-15-96	1000	--	--	--	--	--	--	--	--	--	--	--
K2610	09-02-92	0925	<3.0	<3.0	<3.0	<3.0	<3.0	71	<3.0	36	<3.0	<1.0	<3.0
	04-02-96	1200	--	--	--	--	--	--	--	--	--	--	--
K2622	09-03-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5.1	<3.0	<1.0	<3.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--
K2859	01-19-93	1330	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
K3133	09-17-92	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-09-96	1015	--	--	--	--	--	--	--	--	--	--	--
K3151	09-02-92	1055	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0

[a] Duplicate sample.

Table 4L. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Toluene, total (34010)	*trans*-1,3-Dichloropropene, total (34699)	1,2,3-Trichlorobenzene, water, whole recoverable (77613)	*trans*-1,2-Dichloroethylene, total (34546)	Trichlorofluoromethane, total (34488)	1,1,1-Trichloroethane, total (34506)	1,1,2-Trichloroethane, total (34511)	Trichloroethylene, total (39180)	1,2,3-Trichloropropane, water,whole, total (77443)	Vinyl chloride, total (39175)	Xylene, water, unfiltered recoverable (81551)
K3151	04-18-96	1000	--	--	--	--	--	--	--	--	--	--	--
K3214	10-14-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-16-96	1115	--	--	--	--	--	--	--	--	--	--	--
K3216	10-14-92	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
K3218	10-14-92	1030	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-16-96	1030	--	--	--	--	--	--	--	--	--	--	--
K3242	08-26-92	1055	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-20-96	0930	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	0931[a]	--	--	--	--	--	--	--	--	--	--	--
K3245	09-22-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
K3246	10-13-92	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-02-96	1100	--	--	--	--	--	--	--	--	--	--	--
K3248	10-29-92	1050	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-17-96	1230	--	--	--	--	--	--	--	--	--	--	--
K3249	10-29-92	1245	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
K3250	12-21-92	1030	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-20-96	1130	--	--	--	--	--	--	--	--	--	--	--
K3251	10-22-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--
K3252	10-21-92	0920	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-06-96	0930	--	--	--	--	--	--	--	--	--	--	--
K3253	11-05-92	1130	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-15-96	1000	--	--	--	--	--	--	--	--	--	--	--
K3254	10-21-92	1045	<3.0	<3.0	<3.0	<3.0	<3.0	3.7	<3.0	3.1	<3.0	<1.0	<3.0
	05-06-96	1100	--	--	--	--	--	--	--	--	--	--	--
K3255	09-03-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3.3	<3.0	<1.0	<3.0
K3256	09-03-92	1210	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
K3257	11-10-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
K3267	08-27-92	0915	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	07-09-96	1045	--	--	--	--	--	--	--	--	--	--	--

Table 4L. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Toluene, total (34010)	*trans*-1,3-Dichloropropene, total (34699)	1,2,3-Trichlorobenzene, water, whole recoverable (77613)	*trans*-1,2-Dichloroethylene, total (34546)	Trichlorofluoromethane, total (34488)	1,1,1-Trichloroethane, total (34506)	1,1,2-Trichloroethane, total (34511)	Trichloroethylene, total (39180)	1,2,3-Trichloropropane, water,whole, total (77443)	Vinyl chloride, total (39175)	Xylene, water, unfiltered recoverable (81551)
K3271	09-02-92	1035	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
K3273	11-02-92	1215	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
K3275	11-04-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-17-96	1030	--	--	--	--	--	--	--	--	--	--	--
K3276	09-22-92	0950	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-09-96	1000	--	--	--	--	--	--	--	--	--	--	--
	05-09-96	1001[a]	--	--	--	--	--	--	--	--	--	--	--
K3405	07-18-95	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-15-96	1130	--	--	--	--	--	--	--	--	--	--	--
K3406	07-19-95	1025	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
K3407	08-07-95	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-11-96	1015	--	--	--	--	--	--	--	--	--	--	--
K3410	08-08-95	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-18-96	1130	--	--	--	--	--	--	--	--	--	--	--
K3414	08-07-95	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-08-96	1400	--	--	--	--	--	--	--	--	--	--	--
K3424	07-24-95	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
K3425	08-08-95	0900	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	80	<3.0	<1.0	<3.0
	04-18-96	1200	--	--	--	--	--	--	--	--	--	--	--
K3426	08-28-95	1015	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	07-02-96	0930	--	--	--	--	--	--	--	--	--	--	--
K3430	04-30-96	1200	--	--	--	--	--	--	--	--	--	--	--
K3431	04-22-96	1230	--	--	--	--	--	--	--	--	--	--	--
Q273	09-28-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
Q277	09-08-92	1150	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-30-96	1000	--	--	--	--	--	--	--	--	--	--	--
Q287	11-04-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	07-01-96	1130	--	--	--	--	--	--	--	--	--	--	--
Q470	09-08-92	1255	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	07-17-96	1150	--	--	--	--	--	--	--	--	--	--	--
Q471	11-05-92	1045	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-26-96	1030	--	--	--	--	--	--	--	--	--	--	--

Table 4L. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Toluene, total (34010)	*trans*-1,3-Dichloropropene, total (34699)	1,2,3-Trichlorobenzene, water, whole recoverable (77613)	*trans*-1,2-Dichloroethylene, total (34546)	Trichlorofluoromethane, total (34488)	1,1,1-Trichloroethane, total (34506)	1,1,2-Trichloroethane, total (34511)	Trichloroethylene, total (39180)	1,2,3-Trichloropropane, water,whole, total (77443)	Vinyl chloride, total (39175)	Xylene, water, unfiltered recoverable (81551)
Q1071	12-03-92	1405	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
Q1187	11-30-92	1150	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
Q1189	12-01-92	1205	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-17-96	0830	--	--	--	--	--	--	--	--	--	--	--
Q1237	11-24-92	1330	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	07-10-96	1230	--	--	--	--	--	--	--	--	--	--	--
Q1373	12-21-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	07-16-96	1130	--	--	--	--	--	--	--	--	--	--	--
Q1472	08-27-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-04-96	1200	--	--	--	--	--	--	--	--	--	--	--
Q1605	09-10-92	0830	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
Q1663	09-16-92	0905	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-03-96	0930	--	--	--	--	--	--	--	--	--	--	--
Q1914	09-14-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-03-96	1200	--	--	--	--	--	--	--	--	--	--	--
Q1930	09-29-92	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-23-96	0900	--	--	--	--	--	--	--	--	--	--	--
Q2324	08-26-92	1140	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-24-96	0930	--	--	--	--	--	--	--	--	--	--	--
Q2407	09-14-92	1010	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-22-96	0900	--	--	--	--	--	--	--	--	--	--	--
Q2418	09-15-92	1045	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-12-96	1000	--	--	--	--	--	--	--	--	--	--	--
Q2419	09-14-92	0945	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-11-96	1200	--	--	--	--	--	--	--	--	--	--	--
Q2420	09-14-92	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-11-96	0930	--	--	--	--	--	--	--	--	--	--	--
Q2656	09-16-92	1020	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-04-96	1000	--	--	--	--	--	--	--	--	--	--	--
Q2791	09-15-92	0940	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-11-96	1045	--	--	--	--	--	--	--	--	--	--	--

Table 4L. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Toluene, total (34010)	*trans*-1,3-Dichloropropene, total (34699)	1,2,3-Trichlorobenzene, water, whole recoverable (77613)	*trans*-1,2-Dichloroethylene, total (34546)	Trichlorofluoromethane, total (34488)	1,1,1-Trichloroethane, total (34506)	1,1,2-Trichloroethane, total (34511)	Trichloroethylene, total (39180)	1,2,3-Trichloropropane, water,whole, total (77443)	Vinyl chloride, total (39175)	Xylene, water, unfiltered recoverable (81551)
Q2814	09-15-92	1055	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-11-96	0915	--	--	--	--	--	--	--	--	--	--	--
Q2978	09-08-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-11-96	1245	--	--	--	--	--	--	--	--	--	--	--
Q2994	08-27-92	0940	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-12-96	0915	--	--	--	--	--	--	--	--	--	--	--
Q2995	08-27-92	1105	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-12-96	1100	--	--	--	--	--	--	--	--	--	--	--
Q3003	09-30-92	0950	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	40.0	<3.0	<1.0	<3.0
	06-03-96	0810	--	--	--	--	--	--	--	--	--	--	--
Q3036	09-10-92	0730	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-29-96	1315	--	--	--	--	--	--	--	--	--	--	--
Q3109	08-26-92	1010	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-21-96	0920	--	--	--	--	--	--	--	--	--	--	--
Q3110	08-25-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-23-96	1155	--	--	--	--	--	--	--	--	--	--	--
Q3112	08-24-92	1020	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-23-96	0910	--	--	--	--	--	--	--	--	--	--	--
Q3114	08-31-92	1030	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-21-96	1030	--	--	--	--	--	--	--	--	--	--	--
Q3115	08-31-92	0920	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-21-96	1150	--	--	--	--	--	--	--	--	--	--	--
Q3117	08-24-92	1130	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-23-96	1030	--	--	--	--	--	--	--	--	--	--	--
Q3119	09-09-92	0940	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-25-96	0900	--	--	--	--	--	--	--	--	--	--	--
Q3121	09-16-92	1130	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
Q3134	09-08-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-13-96	1200	--	--	--	--	--	--	--	--	--	--	--
Q3587	07-17-95	1245	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-27-96	1030	--	--	--	--	--	--	--	--	--	--	--

Table 4L. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Toluene, total (34010)	*trans*-1,3-Dichloropropene, total (34699)	1,2,3-Trichlorobenzene, water, whole recoverable (77613)	*trans*-1,2-Dichloroethylene, total (34546)	Trichlorofluoromethane, total (34488)	1,1,1-Trichloroethane, total (34506)	1,1,2-Trichloroethane, total (34511)	Trichloroethylene, total (39180)	1,2,3-Trichloropropane, water,whole, total (77443)	Vinyl chloride, total (39175)	Xylene, water, unfiltered recoverable (81551)
Q3589	08-10-95	0755	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-20-96	1100	--	--	--	--	--	--	--	--	--	--	--
	05-20-96	1101[a]	--	--	--	--	--	--	--	--	--	--	--
Q3593	07-27-95	0920	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-10-96	1100	--	--	--	--	--	--	--	--	--	--	--
Q3604	07-27-95	0900	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-10-96	1000	--	--	--	--	--	--	--	--	--	--	--
Q3627	08-30-95	1215	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-19-96	1230	--	--	--	--	--	--	--	--	--	--	--
Q3628	09-05-95	1500	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-18-96	1100	--	--	--	--	--	--	--	--	--	--	--
Q3629	09-05-95	1230	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-18-96	1000	--	--	--	--	--	--	--	--	--	--	--
Q3644	08-09-95	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-26-96	0900	--	--	--	--	--	--	--	--	--	--	--
Q3646	08-09-95	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-26-96	1130	--	--	--	--	--	--	--	--	--	--	--
Q3648	07-02-96	1030	--	--	--	--	--	--	--	--	--	--	--
Q3649	07-24-95	1245	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	07-01-96	0855	--	--	--	--	--	--	--	--	--	--	--
Q3650	04-01-96	1100	--	--	--	--	--	--	--	--	--	--	--
Q3651	08-29-95	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	07-01-96	1145	--	--	--	--	--	--	--	--	--	--	--
Q3652	06-12-96	1300	--	--	--	--	--	--	--	--	--	--	--
Q3658	07-02-96	0900	--	--	--	--	--	--	--	--	--	--	--
Q3659	07-25-95	1000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-25-96	1200	--	--	--	--	--	--	--	--	--	--	--
Q3660	08-29-95	0900	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4.0	<3.0	<1.0	<3.0
	04-25-96	0830	--	--	--	--	--	--	--	--	--	--	--
Q3661	04-25-96	1030	--	--	--	--	--	--	--	--	--	--	--
N1429	12-09-92	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0

Table 4L. Organic-constituent analyses of ground-water samples from wells in Kings, Queens, and western Nassau Counties, Long Island, N.Y., August 1992 through July 1996--continued

Well number	Date	Sampling time	Toluene, total (34010)	*trans*-1,3-Dichloropropene, total (34699)	1,2,3-Trichlorobenzene, water, whole recoverable (77613)	*trans*-1,2-Dichloroethylene, total (34546)	Trichlorofluoromethane, total (34488)	1,1,1-Trichloroethane, total (34506)	1,1,2-Trichloroethane, total (34511)	Trichloroethylene, total (39180)	1,2,3-Trichloropropane, water,whole, total (77443)	Vinyl chloride, total (39175)	Xylene, water, unfiltered recoverable (81551)
N1627	12-10-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-02-96	1215	--	--	--	--	--	--	--	--	--	--	--
N3864	11-10-92	1215	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
N3867	11-02-92	1145	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-02-96	1015	--	--	--	--	--	--	--	--	--	--	--
N3932	10-07-92	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-05-96	0900	--	--	--	--	--	--	--	--	--	--	--
N4026	08-20-92	1005	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	08-31-93	0900	--	--	--	--	--	--	--	--	--	--	--
	04-30-96	0905	--	--	--	--	--	--	--	--	--	--	--
N4062	11-23-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-05-96	1115	--	--	--	--	--	--	--	--	--	--	--
N4213	11-02-92	1115	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-30-96	1045	--	--	--	--	--	--	--	--	--	--	--
N6581	11-30-92	0930	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-06-96	1300	--	--	--	--	--	--	--	--	--	--	--
N6701	12-15-92	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
N6703	12-15-92	0955	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	05-07-96	1115	--	--	--	--	--	--	--	--	--	--	--
N6707	11-09-92	1300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	04-30-96	1315	--	--	--	--	--	--	--	--	--	--	--
N6792	08-20-92	1100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
N7161	10-29-92	1120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-24-96	1000	--	--	--	--	--	--	--	--	--	--	--
N8877	08-19-92	1445	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
	06-11-96	0900	--	--	--	--	--	--	--	--	--	--	--