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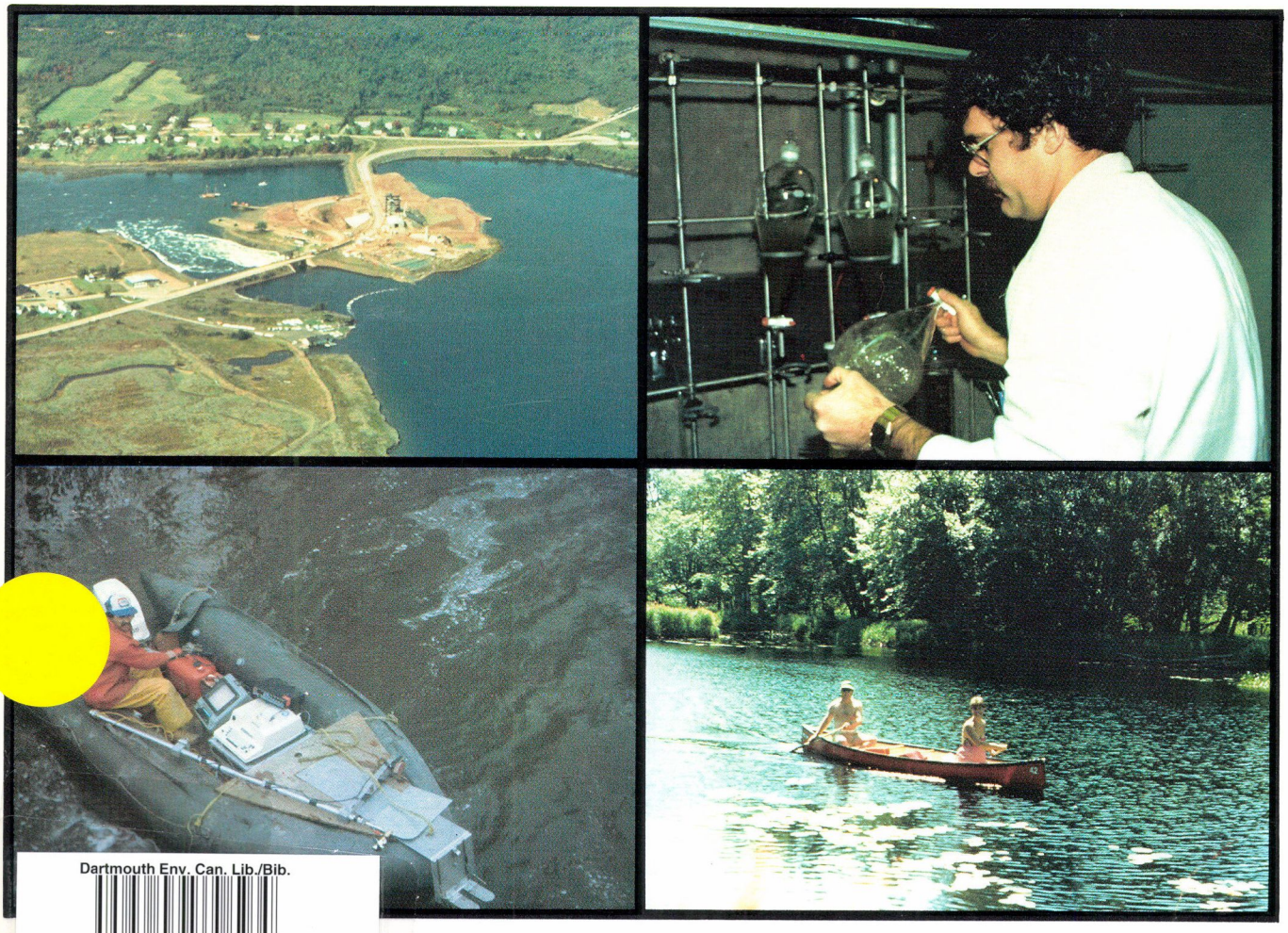
ATLANTIC REGION
FEDERAL-PROVINCIAL TOXIC CHEMICAL SURVEY OF MUNICIPAL DRINKING WATER SOURCES

DATA SUMMARY REPORT
PROVINCE OF PRINCE EDWARD ISLAND
1989-1991

WRD-AR-MEB-93-184



WATER RESOURCES DIRECTORATE
ATLANTIC REGION
MONITORING AND EVALUATION BRANCH
MONCTON, NEW BRUNSWICK

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ABSTRACT

The Atlantic Region Federal-Provincial Toxic Chemical Survey of Municipal Drinking Water Sources was initially conceived in 1984 as an intergovernmental and interdepartmental pilot program to assess drinking water quality in the Atlantic Region. The program was implemented in New Brunswick, Newfoundland, and Nova Scotia in 1985 and in Prince Edward Island in 1986. Results of that survey for the years 1985-1988 were described in an interpretive report (Environment Canada, 1989).

The purpose of this data summary is to report on the 1989 to 1991 results of the continuation of the initial study in the province of Prince Edward Island.

Following recommendations made in the 1985-1988 Interpretive Report, the size of the survey was reduced to focus upon areas of concern. For Prince Edward Island, those identified were nitrate, pesticide residues, and other pollutants in ground water; namely organophosphorous compounds (OP), chlorinated phenols (CP), carbamate pesticides, organochlorine compounds (OC), polychlorinated biphenyls (PCB), chlorinated benzenes (CB), polynuclear aromatic hydrocarbons (PAH), and triazine herbicides.

Based upon the parameters quantified during this study, the municipal raw sources sampled in Prince Edward Island all met the maximum acceptable concentrations specified in the Guidelines for Canadian Drinking Water Quality (Health and Welfare Canada, 1989), with the exception of a test well in Cornwall that failed to meet the aesthetic guideline for turbidity.

The results showed that agriculture can have measurable impacts upon raw municipal ground water supplies in agricultural areas. The detection of nitrate in all tested municipal water supply wells - albeit below the maximum allowable concentration of 10.0 mg/L - attested to this fact; as did the detection of the herbicide atrazine and its degradation product in wells of St. Eleanors (well #4) and Charlottetown (Main Malpeque). The PAH fluoranthene has also been detected in minute amounts in approximately half the sampled wells.

Based on this information, it was recommended that a close watch be kept on ground water drinking water sources, especially in areas of intense agriculture.

SOMMAIRE

L'étude fédérale-provinciale des substances chimiques toxiques présentes dans les sources municipales d'eau potable de la région de l'Atlantique a été conçue en 1984 en tant que programme d'essai intergouvernemental et interdépartemental afin de juger de la qualité de l'eau potable dans la région de l'Atlantique. L'étude a débutée au Nouveau-Brunswick, à Terre-Neuve et en Nouvelle-Écosse en 1985, et sur l'Île-du-Prince-Édouard en 1986. Les résulats acquis de 1985 à 1988 ont déjà fait l'objet d'un rapport d'interprétation (Environnement Canada, 1989).

Ce document présente les données acquises de 1989 à 1991 pour l'Île-du-Prince-Édouard.

Tel que recommandé dans le rapport d'interprétation de 1985-1988, l'ampleur de l'étude a été diminuée afin de se concentrer sur des points d'intérêts. Pour l'Île-du-Prince-Édouard, ce sont les nitrates, les résidus de pesticides et autres produits toxiques dans les eaux souterraines, tel que les composés organophosphorés (OP), chlorophénols, carbamates, composés organochlorés (OC), biphényles polychlorés (BPC), chlorobenzènes (CB), hydrocarbures aromatiques polycycliques (HAP) et herbicides triazines.

Les résultats ont démontré que toutes les sources d'approvisionnement municipales échantillonnées rencontrent les normes de concentrations maximales acceptables (CMA) spécifiées dans les Recommandations pour la qualité de l'eau potable au Canada (Santé et Bien-être social Canada, 1989), à l'exception d'un puits en voie de développement dans la région de Cornwall qui n'a pas rencontré la norme pour la turbidité.

Les résultats ont aussi démontré que l'agriculture peut avoir un impact mesurable sur les eaux souterraines. La détection de nitrates dans tous les puits municipaux échantillonnés - à des concentrations inférieures à la CMA de 10.0 mg/L toutefois - en a fait foi, tout comme la détection de l'herbicide atrazine et de son produit de dégradation dans des puits de St. Eleanors (puits #4) et de Charlottetown (Main Malpeque). Des traces de fluoranthène, un HAP, ont aussi été détectées dans environs la moitié des puits échantillonnés.

Il a donc été recommandé que les sources d'eau souterraines qui servent à l'approvisionnement des municipalités soient surveillées de près afin de prévenir une contamination accrue par les produits agro-chimiques.

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INTRODUCTION

Although Canada's overall water supply-demand balance is favorable, over 60% of river flow is carried to the North where only 10% of Canada's population lives (Government of Canada, 1990). Various environmental contamination incidents and water shortages in recent years have increased public awareness of the environment as a whole, and of our water resources in particular. In the Atlantic Region, there has been increasing concerns about the quality of potable water especially with respect to agricultural chemicals and heavy metals. In Newfoundland, 90% of municipal systems rely upon surface water for their water supply source while Prince Edward Island is almost totally dependent upon ground water sources (Eaton et al., 1986). In Nova Scotia, 50% of the population uses ground water while 94% of the public water systems use surface water (Eaton et al., 1986).

Inland surface waters are of socio-economic importance because they are used for human consumption, agricultural and industrial production, recreational activities and aesthetic enjoyment (Eaton et al., 1986).

The Science Council of Canada (1988) reported the measurable contribution of water resources to the Canadian economy to be between $7.5 and $23 billion annually. Good quality surface waters are also of importance to the sport-fishing and tourism industries. In Canada, six million Canadians and foreign anglers spend and invest over $1.7 billion every year on goods and services directly related to sport-fishing, 90% of which takes place in freshwater (Environment Canada, 1986). It has also been estimated that $230 million could be lost in tourism alone in Northern Ontario as a result of the impact of acidic precipitation upon the water resource (Science Council of Canada, 1988). Surface waters of Atlantic Canada are also at risk from LRTAP acidification (Howell and Brooksbank, 1987). Tourism

depends in part on good quality surface water and is an important economic sector for all Atlantic Provinces.

Water may support various activities, but these activities in turn represent competing demands upon the resource. These demands are exemplified by:

Human

Human health depends on a supply of water that, when delivered to the consumer, meets the Maximum Acceptable Concentrations of the Guidelines for Canadian Drinking Water Quality (Health and Welfare Canada, 1989). The quality of the supply source is an indication of the overall quality of the resource.

Environment

The survival and viability of the ecosystem is dependent upon the availability of water of suitable quality.

Recreational

Activities such as hunting, fishing, boating, camping, usually require waters that meet aesthetic guidelines. Additionally, swimming requires that water meet the Guidelines for Canadian Recreational Water Quality (Health and Welfare Canada, 1983).

Economic

Adequate quality and quantity of supply is needed for municipal commercial development, and industries such as mining, smelting, pulp and paper, food processing and agriculture.

Aquaculture, the shellfish industry, the commercial fishery, and tourism in Atlantic Canada all depend upon good quality water.

It is not inconceivable that the same surface or ground water source may be called upon to meet the demands and expectations of these four use sectors. This study has focused upon the human health and environment aspects of water quality.

Municipal water distribution networks service residential, commercial, public and industrial sectors. The availability and quantity of water can have a direct economic effect upon a province or region. Though markets, materials, and transportation are most important in attracting industry, water is often the principal factor within a region for specific location (Tate and Laselle, 1987). In 1986, Atlantic municipal consumption was determined to be 338 million cubic metres.

Excluding industrial consumption, residential use accounts for 63% of municipal water withdrawal. Toilet uses 45% of this amount while bathing and personal, laundry and dishes, and cooking and drinking account for 28%, 23% and 4% respectively (Environment Canada, 1986). It is this 4% of consumption that is of concern to Atlantic Canadians.

Water quantity has been problematic in dug wells in Nova Scotia and the communities of Liverpool, Springhill, Truro, Trenton and Westville have experienced seasonal shortages (Eaton et al., 1986). One hundred and ninety households in the Newcastle and Bathurst areas of New Brunswick were without water for 5 weeks in 1982 and the City of St. John's, Newfoundland invoked a state of emergency relative to water shortages during the summer of 1984 (Eaton et al., 1986).

Though water quantity can be problematic, water quality is of equal concern to a number of individuals. Surface and ground

waters can be affected by point sources such as landfills, chemicals used at wood preservation facilities, road salt, chemical spills and from non-point sources such as fertilizers and pesticides on agricultural land and contaminants in rain.

Several authors (O'Neill et al., 1988; O'Neill, et al., 1992; O'Neill and Doull, 1992; Brun et al., 1991), have found measurable concentrations of pesticides such as dinoseb, chlorothalonil, atrazine, metribuzin and simazine in surface, ground water, and wet precipitation. These results demonstrate that water quality in the Atlantic Provinces should be monitored due to the influence of point, non-point and long range transport sources.

The concerns of the provincial and federal governments for the quality of water serving as the sources of municipal drinking supplies provided the impetus for the study. The initial study involved the Government of Canada which was represented by Environment Canada (Monitoring and Evaluation Branch) and Health and Welfare Canada (Health Protection Branch) and the Prince Edward Island Department of the Environment.

The Atlantic Region Federal-Provincial Toxic Chemical Survey of Municipal Drinking Water Sources was initially conceived in 1984 as an intergovernmental and interdepartmental pilot program to assess drinking water quality in the Atlantic Region. The program was implemented in Prince Edward Island in 1986. Results of that survey for the years 1985-1988 were described in an Interpretive Report (Environment Canada, 1989). Agrochemicals in ground water were identified as a priority for Prince Edward Island. The purpose of this data summary is to report on the 1989 to 1991 results of the continuation of the initial study.

COLLECTION PROCEDURES

Parameters and Sampling Sites

Following recommendations made in the Interpretive Report for the Atlantic Region Federal-Provincial Toxic Chemical Survey of Municipal Drinking Water Sources 1985-1988, the size of the survey was reduced. The survey was focused upon areas of concern. For Prince Edward Island, these were identified as nitrate and pesticide residues in ground water. The parameters analysed were representative of physical parameters, major ions, metals, synthetic organic chemicals, present-used and past-use pesticides. The list of chemicals analysed is presented in Table 1 which includes the parameter description, detection limit, the Maximum Acceptable Concentrations (MAC) for drinking water (Health and Welfare Canada, 1989) and the CCREM (1987) aquatic life limits.

Sampling sites in Prince Edward Island were selected by the P.E.I. Department of the Environment. Ten (10) sites were sampled in 1989 with three (3) sites being sampled in 1990 and 1991. Sites were sampled in duplicate during the spring and fall.

Sample Collection and Preservation

The sampling of municipal drinking water sources was carried out in cooperation with representatives of the P.E.I. Department of the Environment and frequently with personnel from the municipalities. Samples were taken from a tap inside the pumphouse prior to entry of the source water into any treatment system or the distribution network. Water infrastructure interactions were minimized by flushing the tap before collection but could not be totally eliminated. The field procedures of Arseneault *et al*. (1984) were employed to maintain sample integrity.

TABLE 1

Parameters Quantified by the Monitoring & Evaluation Branch Laboratory

Inorganic and Physical Parameters

DESCRIPTION	DETECTION LIMIT	HWC 1989 LIMIT	HWC BASIS	CCREM 1987 AQUATIC LIMIT
Apparent Colour (Rel. Units)	<5.	15 (TCU)	A	
Specific Conc. (μS/cm)	0.2	–	–	
Turbidity (NTU)	0.0	1&5	H	
pH (pH units)		6.5–8.5	A	6.5–9.0
Gran Alkalinity (mg/L)	–100	–	–	
Calcium–Diss (mg/L)	0.01	–	–	
Magnesium–Diss (mg/L)	0.05	–	–	
Sodium–Diss (mg/L)	0.05	–	–	
Potassium–Diss (mg/L)	0.05	–	–	
Chloride–Diss (IC) (mg/L)	0.5	250	A	
Sulphate–Diss (IC) (mg/L)	0.2	500	H	
Diss. Organic Carbon (mg/L)	0.5	–	–	
Nitrate&Nitrite–Diss (mg/L–N)	0.01	10	H	
Silica Reactive (mg/L)	0.1	–	–	
Fluoride–Diss (mg/L)	0.05	1.5	H	
Aluminum–Extr (mg/L)	0.010	–a	–	0.1–0.005*
Manganese–Extr (mg/L)	0.01	0.05	A	
Iron–Extr (mg/L)	0.002	0.3	A	0.3
Nickel–Extr (mg/L)	0.002	–	–	0.15–0.025*
Copper–Extr (mg/L)	0.002	1.0	A	0.004–0.002*
Zinc–Extr (mg/L)	0.01	5.0	A	0.03
Arsenic–Total (mg/L)	0.0005	0.05	H	0.05
Cadmium–Extr (mg/L)	0.001	0.005	H	0.0018–0.0002*
Mercury–Extr (μg/L)	0.02	1.0	H	0.1
Lead–Extr (mg/L)	0.002	0.01	H	0.007–0.001*
Chromium–Total (mg/L)	0.0002	0.05	H	0.002

Organic Parameters

DESCRIPTION	DETECTION LIMIT (µg/L)	HWC 1989 LIMIT (µg/L)	HWC BASIS	CCREM 1987 AQUATIC LIMIT (µg/L)
Azinphosethyl	0.001	–	–	
Azinphosmethyl	0.005	20	H	
Carbophenothion	0.001	–	–	
Crufomate	0.001	–	–	
Diazinon	0.001	20	–	
Disulfoton	0.001	–	–	
Ethion	0.001	–	–	
Fenitrothion	0.001	–	–	
Imidan	0.001	–	–	
Malathion	0.001	190	H	
Methyl parathion	0.001	–	–	
Parathion	0.001	50	–	
Phorate	0.001	2[b]	H	
Ronnel	0.001	–	–	
2,6-Dichlorophenol	0.03	–	–	0.2
2,5-Dichlorophenol	0.02	–	–	0.2
2,4-Dichlorophenol	0.03	–	–	0.2
3,5-Dichlorophenol	0.04	–	–	0.2
2,3-Dichlorophenol	0.03	–	–	0.2
3,4-Dichlorophenol	0.04	–	–	0.2
2,4,6-Trichlorophenol	0.03	5 (2)	H(A)	18
2,3,6-Trichlorophenol	0.01	–	–	18
2,3,5-Trichlorophenol	0.01	–	–	18
2,3,4-Trichlorophenol	0.02	–	–	18
3,4,5-Trichlorophenol	0.02	–	–	18
2,3,5,6-Tetrachlorophenol	0.005	–	–	1
2,3,4,5-Tetrachlorophenol	0.005	–	–	1
Pentachlorophenol	0.002	60(30)	H(A)	0.5
Aldicarb	0.01	9	H	
Aldicarb sulfoxide	0.01	–	–	
Aldicarb sulfone	0.01	–	–	
Carbaryl	0.01	90	H	
Carbofuran	0.01	90	H	
p,p'-DDT	0.001	30[c]	–	0.001
o,p-DDT	0.001	–	H	
p,p'-DDD	0.001	–	–	
p,p'-DDE	0.001	–	–	
p,p'-Methoxychlor	0.01	900	H	

DESCRIPTION	DETECTION LIMIT (µg/L)	HWC 1989 LIMIT (µg/L)	HWC BASIS	CCREM 1987 AQUATIC LIMIT (µg/L)
Heptachlor	0.001	3[d]	H	0.01[d]
Heptachlor epoxide	0.001	–	–	
alpha-Endosulphan	0.01	–	–	0.02
beta-Endosulphan	0.001	–	–	
alpha-Chlordane	0.005	7	H	0.006
gamma-Chlordane	0.005	–	–	
Lindane	0.001	4	H	
Alpha-BHC	0.001	–	–	
Mirex	0.001	–	–	
Aldrin	0.001	0.7[e]	H	
Endrin	0.01	–	–	0.0023
Dieldrin	0.001	0.7[e]	H	0.004
Total PCB	0.005	a	a	0.001
1,3-Dichlorobenzene	0.02	–	–	2.5
1,4-Dichlorobenzene	0.02	5(1)	H(A)	4.0
1,2-Dichlorobenzene	0.02	200(3)	H(A)	2.5
1,3,5-Trichlorobenzene	0.02	–	–	0.65
1,2,5-Trichlorobenzene	g	–	–	0.5
1,2,4-Trichlorobenzene	0.004	–	–	0.5
1,2,3-Trichlorobenzene	g	–	–	0.9
1,2,3,5-Tetrachlorobenzene	0.01	–	–	0.1
1,2,4,5-Tetrachlorobenzene	0.01	–	–	0.15
1,2,3,4-Tetrachlorobenzene	0.01	–	–	0.1
Pentachlorobenzene	0.01	–	–	0.03
Hexachlorobenzene	0.01	–	–	0.0065
Fluoranthene	0.001	–	–	f
Benzo(b) Fluoranthene	0.0004	–	–	f
Benzo(k) Fluoranthene	0.0003	–	–	f
Benzo(a) Pyrene	0.0003	0.01	H	f
Indeno(1,2,3,cd) Pyrene	0.002	–	–	f
Benzo(g,h,i) Perylene	0.005	–	–	f
Atrazine	0.002	60[b]	H	
Desethyl Atrazine	0.002	–	–	–
Simazine	0.004	10[b]	H	–
Metribuzin	0.004	80	H	–

* Dependent upon ambient water chemistry
a Under review
b Interim maximum acceptable concentration
c Sum of DDT + Metabolites
d Sum of Heptachlor + Heptachlor Epoxide
e Sum of Aldrin + Dieldrin
f Insufficient Data
g Not quantified
HWC = Health and Welfare Canada
CCREM = Canadian Council of Resource and Environment Ministers
A = aesthetic
B = health

All bottles used for sample collection were prepared in the analytical laboratory in Moncton according to established procedures. Samples for organochlorinated insecticides (OC), chlorinated benzenes (CB), polyaromatic hydrocarbons (PAH), and polychlorinated biphenyls (PCB) were preserved in the field by adding pesticide grade hexane while samples for triazine herbicides were pH adjusted to 9.0. Samples were also kept as cool as possible until their arrival at the Environment Canada laboratory.

The analytical procedures employed for the analysis of various parameters are very complex, thereby reinforcing the need for a comprehensive QA/QC program in place during the course of the study.

Quality Assurance/Quality Control Procedures

In order to ensure the validity of the generated data, a quality assurance/quality control (QA/QC) program was employed throughout. Each parameter group was represented within the QA/QC program, and addressed in an appropriate manner.

Firstly, all samples were collected in duplicate. In the case of metals, distilled water was obtained from the atomic absorption laboratory for the preparation of blanks.

Due to the complexity of the synthetic organic chemical analyses, it was necessary to have a more extensive quality assurance program. Laboratory glass distilled water was transported to the field for the purpose of preparing blanks and spiked blanks. In addition, natural waters collected from the sites were also spiked. Mixed spiking solutions were prepared by personnel of the organic laboratory and contained several compounds from each chemical group on the analytical parameter list. The contents of the spiking solutions were modified

between 1989 and 1991 with some products being removed. Spiking solutions were kept refrigerated, and field personnel obtained sub-samples just prior to departure for sample collection. Once in the field, the solutions were kept cool and were only allowed to warm to ambient temperature at the time of use. A Hamilton(R) syringe was used for spiking samples with 100 μL of the appropriate spiking solution. The syringe was triple rinsed with solvent from a separate vial.

As part of the laboratory handling of the samples in the trace organic laboratory, method blanks were routinely incorporated into each extraction grouping to verify the integrity of the solvents, materials and glassware used in the analyses. Laboratory spikes of natural and distilled waters were also utilized on a less frequent basis than the method blanks to provide an additional internal check on the extraction methodology. The atomic absorption laboratory utilized National Institute of Standards and Technology reference materials for internal laboratory quality control while the major ion and nutrient laboratory used internal reference materials and ion balance checks to provide control charts. All quality control samples were handled in the same manner as any regular sample by both field and laboratory personnel. Additionally, the Analytical Laboratories Division routinely participates in intra-laboratory and inter-laboratory quality control studies and audits for inorganic and organic parameters, the results of which are tabulated by the Department.

Quality Assurance/Quality Control results are presented in Appendix I.

Laboratory Procedures

Upon receipt by the Analytical Services Division, the samples were immediately placed in large storage refrigerators, assigned laboratory control numbers, laboratory preserved when required, and initialized on the laboratory management system.

Most trace organic analyses were carried out employing methods highlighted in the NAQUADAT Dictionary of Parameter Codes 1985 (Environment Canada, 1985) and the Water Quality Branch Analytical Methods Manual 1979 (Environment Canada, 1979). Some methods were modified to complement the analytical instrumentation of the laboratory, and the nature of some of the soft and coloured waters encountered in the Atlantic Region.

The analysis of organochlorine insecticides, chlorobenzenes, and PCBs was carried out using simultaneous injection onto two capillary gas chromatography columns (electron capture detectors) with retention time, relative retention time, and relative peak response used for identification. Chlorophenols were extracted using in-situ acetylation (Stokker, 1987) and quantified with dual column capillary gas chromatography followed by electron capture detection.

Organophosphorus insecticides and carbofuran were quantified using megabore column gas chromatography with a thermionic nitrogen-phosphorus specific detector.

Polynuclear aromatic hydrocarbons were quantified using reverse phase high performance liquid chromatography with fluorescence detection at an excitation wavelength of 280 nm and emission wavelength of 370 nm.

Carbamates were quantified using high performance liquid chromatography with post-column derivatization and fluorescence

detection. This method uses a concentrator column that is installed in the sampler loop and is backflushed onto the analytical column. Separation is followed by post-column hydrolysis and the formation of a fluorophore prior to detection (Chaput, 1986).

Triazines were quantified using capillary column gas chromatography with mass spectrometric detection in the single ion monitoring (SIM) mode. Quantitation of each herbicide was accomplished using the principal ion with a secondary ion being used for confirmation.

Major ions and metal analyses were carried out using the methods in the Analytical Methods Manual (Environment Canada, 1979) or methods adapted for the region. Sulphate and chloride analyses were carried out using the ion-chromatography technique.

RESULTS

The purpose of this data summary is to present the observed data for the Province of Prince Edward Island in a manner that will facilitate subsequent distribution. This will be done in two steps. Firstly, the results section will provide a narrative description of the observations, along with the discussion and recommendations for Prince Edward Island. Secondly, the raw data for each municipal supply source has been tabulated in Appendix II. Unless otherwise stated, all values are an average of two samples from a duplicate.

Municipalities Sampled

The municipal sources that were sampled in the province of Prince Edward are presented in Table 2 along with the year and the well name and number. The concept of providing equal work in each province dictated the surveying of ten sites in 1989 as opposed to three sites because Prince Edward Island entered the program one year after the other Atlantic Provinces.

Table 2: Prince Edward Island Site Data

1989	SOURCE
Victoria (Well #1)	Ground
Summerside (Well #10)	Ground
(Well #4)	Ground
St. Eleanors (Well #1)	Ground
Parkdale (Well #1)	Ground
Crossroads (Well #1 off Sprucehill Drive	Ground
Charlottetown (Union #1)	Ground
(Brackley #1)	Ground
(Malpeque deep well)	Ground
Georgetown	Ground
1990	
Parkdale (Well #3)	Ground
North River (Well #1)	Ground
Cornwall	Ground
1991	
Tignish (Well #1)	Ground
St. Eleanors (Well #4)	Ground
Charlottetown (Malpeque Deep Well)	Ground

PARAMETER SPECIFIC RESULTS

Inorganic Parameters

Arsenic The Guidelines for Canadian Drinking Water Quality (Health and Welfare Canada, 1989) specify a Maximum Acceptable Concentration (MAC) for arsenic of 0.05 mg/L. All observations were below the MAC. Thirty-five percent (35%) of the observations were less than the detection limit (0.0005 mg/L) while positive values ranged from 0.0005 mg/L to 0.0069 mg/L.

Cadmium All observations were below the 0.001 mg/L detection limit and thus below the MAC of 0.005 mg/L.

Chloride Chloride concentrations varied from 7.2 to 145 mg/L. All observations were below the aesthetic objective of 250 mg/L.

Chromium Chromium concentrations ranged from detection limit values of 0.0002 mg/L to 0.0032 mg/L. These values are well below the MAC of 0.05 mg/L.

Copper More than half of the observations (53%) were less than the detection limit of 0.002 mg/L, while positives ranged from 0.002 to 0.08 mg/L, except for one unusually high value of 0.51 mg/L; most probably an artifact of the system's copper plumbing.

Fluoride All observations were below the MAC of 1.5 mg/L for fluoride. Forty-one percent (41%) of the observations were less than the detection limit (0.05 mg/L) with most other observations very near the detection limit. The highest observations were at Charlottetown (Malpeque well) which had fluoride values of 0.34 and 0.29 mg/L for 1989 and 1991 respectively.

Iron — All observations were below the 0.3 mg/L aesthetic objective (Health and Welfare Canada, 1987). The values observed ranged from less than the detection limit (0.002 mg/L) to 0.170 mg/L.

Sulphate — All observations were under the 500 mg/L MAC based upon aesthetic reasons. Measured sulphate concentrations ranged from 3.1 to 38.2 mg/L.

Lead — The MAC for lead in drinking water is 0.01 mg/L. St. Eleanors (Well #1) in the fall of 1989 and St. Eleanors (Well #4) in the fall of 1991 had values of 0.035 and 0.045 mg/L respectively. As the duplicates of these samples were either at the detection limit or below, these values are thought to be anomalous and may indicate infrastructure inputs from lead solder. Other positive concentrations ranged from 0.002 to 0.013 mg/L and accounted for only 18% of the total observations. Most observations (81%) were less than the detection limit of 0.002 mg/L.

Manganese — Most observations (95%) were below the detection limit (0.01 mg/L) and thus below the aesthetic objective of 0.05 mg/L. Positives ranged from 0.01 to 0.02 mg/L.

Mercury — All observations for mercury were below the 0.02 μg/L detection limit and thus well below the 1 μg/L MAC set by HWC.

Nitrate-Nitrite

The MAC for nitrate-nitrogen is 10 mg/L while that for nitrite-nitrogen is 1.0 mg/L. The analytical methodology reports only the total of nitrate plus nitrite. All observations were below the 10.0 mg/L-N nitrate-nitrogen MAC. However, 82% of observations ranged from 1.0 to 6.0 mg/L-N and were above the 1.0 mg/L-N nitrite-nitrogen MAC, but the actual nitrite contribution to these concentrations is not known.

pH

All observations ranged from 7.3 to 8.6 and can be considered to be within the 6.5 to 8.5 pH unit aesthetic objective specified in the guidelines.

Zinc

All observations for zinc were below the aesthetic objective of 5.0 mg/L. Thirty-nine percent (39%) of the observations were less than the detection limit of 0.01 mg/L, while positives ranged from 0.01 to 0.45 mg/L.

Colour

The aesthetic objective for colour is set at 15 colour units. The only value above this guideline was Charlottetown (Union #1) with a winter 1991 value of 20 colour units. All other values were below the detection limit of 5.0 colour units.

Turbidity

The MAC for turbidity in drinking water is 1 NTU with a maximum allowable concentration of 5 NTU if it does not interfere with the disinfection process. All observations with the exception of two were below the MAC. St. Eleanors (Well #4) had a spring 1991 value of 1.4. This value is below the 5 NTU permissible level. Cornwall in the spring of 1990 had an average turbidity of 34.5 but the fall samples averaged 0.45. This was due to the fact that the Cornwall site was a test well and field notes indicate that the water was turbid in the spring sample.

Organic and Pesticide Parameters

Eight organic chemical classes of environmental and health significance were included in the study parameter list. Some parameters within these classes do not have Canadian Drinking Water Quality or CCREM aquatic life guidelines. They represent pesticides and industrial chemicals and encompass both past and present day usage.

Organophosphorous Compounds (OP)

These compounds are phosphorous containing pesticides that are used to protect crops against insect pests. Thirteen OPs were quantified in this study. MACs of 20, 20, 190, 7 and 50 μg/L exist for azinphosmethyl, diazinon, malathion, methyl parathion and parathion respectively as does an interim MAC of 2 μg/L for phorate. All observations for these products were below the MAC's. Imidan was found in one sample out of a duplicate in the spring of 1989 in samples from Summerside (#10 well and #4 well) with concentrations of 0.004 and 0.002 μg/L respectively. Diazinon was found in most duplicate samples from the spring of 1989 at detection limit concentrations of 0.001 μg/L. Charlottetown (Brackley #1 well) had spring 1989 detection limit (0.001 μg/L) concentrations of trithon in duplicate samples. Trithon and guthion were detected in one sample out of a duplicate from North River in spring 1990 at concentrations of 0.019 and 0.002 μg/L respectively. As most of the positive results for OPs were at detection limit concentrations and often only in one sample from a duplicate, these values are thought to be anomalous.

Results for trithon were obtained from very complex chromatograms which showed the presence of numerous co-extractives. As this product is not a high-use pesticide in P.E.I., these values might be false positives (Doull, 1993, pers. comm.).

Chlorinated Phenols (CP)

Chlorinated phenols have industrial applications as fungicides and algicides. Thirteen chlorophenol congeners were quantified in 1989 and 1990. Chlorophenols were not quantified in 1991. All observations for all congeners were below detection limits and thus below MACs for 2,4-DCP, 2,4,6-TCP and PCP.

Carbamates

Carbamates are nitrogen containing pesticides that are used in crop protection against insect pests. Five carbamate pesticides were quantified in this survey. All observations for all five pesticides were below detection limits and thus below the MAC's for aldicarb, carbaryl and carbofuran which are 9, 90 and 90 μg/L respectively.

Organochlorine Compounds (OC)

These chlorine containing compounds are used as crop protectants against a variety of pests. They are persistent and may bio-accumulate. Only a few are still registered for use in Canada. Seventeen OC were quantified in 1989 and 1990. OCs were not quantified in 1991. All observations for all compounds were less than detection limits and thus less than MAC's for p,p'-DDT, p,p'-Methoxychlor, heptachlor, alpha-chlordane, lindane and aldrin which are 30, 900, 3, 7, 4 and 0.7 μg/L respectively.

Polychlorinated Biphenyls (PCB)

These products were used as dielectric fluids, heat transfer fluids, flame retardants, lubricating fluids and water proofing agents. Their manufacture and importation in Canada has been banned because they are persistent and may bio-accumulate. They were quantified in this survey in 1989 and 1990 with all observations being less than the detection limit (0.005 μg/L).

Chlorinated Benzenes (CB)

Chlorobenzene have found uses both in industry as dyes, lubricants and solvents and in agriculture as pesticides. Ten chlorobenzenes were quantified in 1989 and nine were quantified in 1990 and 1991 because of contamination problems. All observations for all compounds were below detection limits and thus below the MACs for 1,4-DCB and 1,2-DCB which are 5 and 200 μg/L respectively.

Polynuclear Aromatic Hydrocarbons (PAH)

PAHs are produced from the incomplete combustion of organic material (i.e. hydrocarbons, wood, coal). PAHs are also produced through natural processes such as volcanoes, forest fires and tar pits (CCREM, 1987). These compounds are of interest because certain congeners have been proven to be carcinogens. Six PAHs congeners were quantified in this survey. Fluoranthene, a ubiquitous compound was measured in approximately half the sites with concentrations ranging from 0.002 to 0.010 μg/L. Benzo(k) fluoranthene was detected in 1989 samples from

Summerside (#10 well) and Charlottetown (Brackley well) with respective concentrations of 0.0002 and 0.0010 μg/L. The fact that these values were only in one sample out of a duplicate and that one field blank had a value of 0.0004 μg/L suggests that these values could be the results of sample contamination. Benzo(g,h,i)perylene was detected in one sample out of a duplicate from Charlottetown (Main Malpeque well) at a concentration of 0.09 μg/L in 1991. Since the duplicate for this sample was less than the detection limit of 0.002 μg/L, this value is felt to be anomalous. All other observations were less than detection limits for all congeners and thus below the 0.01 μg/L MAC for benzo(a)pyrene.

Triazines

Triazine herbicides are nitrogen containing compounds used in agriculture. Three herbicides (atrazine, simazine, and metribuzin) and one degradation product (desethylatrazine) were quantified in 1991. St. Eleanors (well #4) had positive results in spring and autumn for all four compounds at very low concentrations (0.0029-0.0097 μg/L). Charlottetown (Malpeque well) had springtime concentrations for desethylatrazine of 0.0265 μg/L, atrazine (0.011 μg/L) and simazine (0.003 μg/L). Fall results from this same site showed atrazine (0.0305 μg/L) and desethylatrazine (0.0835 μg/L) were present in the water. These positive results are all well below the MAC for atrazine and metribuzin and are also below the IMAC for simazine.

DISCUSSION

Based upon the parameters quantified during this study, the municipal raw sources sampled in Prince Edward Island meet the maximum acceptable concentrations (MAC) of the Guidelines for Canadian Drinking Water Quality (Health and Welfare Canada, 1989). Turbidity at the Cornwall test well was the only parameter exceeding the guidelines.

Because P.E.I.'s population is dependent upon ground water for drinking supply purposes and that 33% of P.E.I.'s land mass is improved farmland, contamination of drinking water sources as a result of agricultural practices is a distinct possibility. Although no values for combined nitrite-nitrate were over the 10.0 mg/L-N MAC, 100% of the municipal drinking water sources sampled had either spring or fall values above the 1.0 mg/L MAC for nitrite and 77% of these municipal drinking water sources had both spring and fall values above the 1.0 mg/L MAC. This emphasizes the fact that land-use activities do not only affect private wells in agricultural areas, but can also have an effect upon the water quality of municipalities. This study did not attempt to determine the amount of nitrogen entering ground water from natural soil nitrogen versus that contributed from agricultural fertilizers.

No carbamates were measured in any of the municipal sources which is probably due to the fact that aldicarb usage was gradually phased out beginning in approximately 1987 due to a provincial permitting system and product withdrawal.

Several detection limit values for organophosphorus pesticides were encountered during the course of this survey. Most of these values were only found in one sample out of a duplicate and only at detection limit concentrations. There were occasional duplicate detection limit values. Diazinon was found

in most samples from the spring of 1989 at detection limits (0.001 μg/L) levels. As OPs are a problematic group of compounds not traditionally thought to be leachers, these results are thought to be anomalous.

Triazines, a class of herbicide frequently used on P.E.I. were only quantified in 1991. All four triazines quantified were found in St. Eleanors (Well #4) at levels near detection limit. Charlottetown (Malpeque well) had positive results for spring for atrazine (0.011 μg/L), desethylatrazine (0.0265 μg/L) and simazine (0.003 μg/L) and fall results of atrazine (0.0305 μg/L) and desethyl-atrazine (0.0835 μg/L). These results, although being well below specified MAC, show once again the impact agriculture can have on ground water. This reinforces the need to follow best management practices to minimize off site movement of past control products.

It must be stated that the Charlottetown municipal source (Malpeque well), where most of the positive observations for pesticides took place, is not on the distribution system for Charlottetown (Environment Canada, 1989). It is a shallow dug well which is more susceptible to contamination. The industrial land use in the immediate vicinity of the well and the topography are probably responsible for this.

Ground water sources in P.E.I. produced results similar to other drinking water sources in Atlantic Canada (from 1985 to 1988) in that the ubiquitous PAH fluoranthene was detected in approximately half the sites with concentrations ranging from 0.002 to 0.010 μg/L. Two other PAH were detected in one sample out of a duplicate. The results for PAH are not surprising since fluoranthene has been measured in surface waters throughout the region (O'Neill, 1988) and PAH's have been shown to be present in wet precipitation (Brun 1985, Brun et al. 1991).

The Canadian Council of Resources and Environmental Ministers has established guidelines for the protection of aquatic life (CCREM, 1987). Although ground water supports no aquatic life, it often provides base flow to surface water systems which do support aquatic life. As most ground water samples were obtained from metal pumps, infrastructure inputs of metals such as chromium level, zinc, iron or copper were considered when reviewing the data. Only Cornwall in the spring of 1990 had aluminum values (0.14 mg/L) which were marginally above the 0.1 mg/L freshwater aquatic life guideline. All other metal observations were below the CCREM (1987) guidelines as were those for organics and pesticides.

Data from this study has shown that the municipal drinking water sources of P.E.I. are impacted by land-based uses of chemicals. Although no drinking water sources had parameters exceeding drinking water guidelines, many sites had elevated concentrations of nitrates and detectable concentrations of triazine herbicides. This shows the direct relationship between ground water quality and surface land usage.

CONCLUSION AND RECOMMENDATIONS

Prince Edward Island's total dependence upon ground water supplies accents the need to protect ground water quality in the province. The results of this monitoring program show that municipal water supplies generally have very good quality drinking water that meets current guidelines. Areas of possible concern where future monitoring would appear to be recommended are identified by the presence of nitrates and pesticide residues.

Based upon the observations gathered in three years of monitoring, it would appear that the province should be most concerned with nitrates (to ensure levels do not increase) and in-use pesticide residues. Because of the dependence on ground water and on agriculture on P.E.I., a balance between the agricultural component of the economic sector and the protection of the water resource will have to be reached. Ground water sources are difficult to find and costly to rehabilitate.

ACKNOWLEDGEMENTS

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APPENDIX I

QUALITY ASSURANCE/QUALITY CONTROL RESULTS

The intent of the Quality Assurance/Quality Control component was to monitor the entire survey in three provinces, encompassing field techniques with respect to sample collection, preservation, handling and transport, as well as analytical procedures, laboratory data entry and reporting. The major portion of QA/QC fell into the area of spiked samples and spiked distilled water. The use of spiked media was critical in measuring field preservation and analytical quantitation techniques.

There were several factors that had to be considered when interpreting the resultant QA/QC data. Each of these factors can introduce variability to the results and influence spiking recoveries. Early in each sampling year, a new spiking solution was prepared by Analytical Laboratory Division personnel for use during that season's sampling. This solution could have been prepared by any one of four individuals. Thus there would be inherent minor differences due to individual laboratory techniques of each person. The quality of any individual neat or stock standard could influence the quality of the final prepared spike. Spikes were prepared so that the concentration of a constituent would be approximately 10 times its detection limit. This was also near the concentration of the injection standard thus providing a check on the standard solutions.

Spiking would have been carried out in the field by any one of two Monitoring and Evaluation Branch personnel using a 100 μL syringe. Though 100 μL was the predetermined volume of spiking solution added, individual syringe technique variances would have applied, coupled with the tolerances of the syringe.

Lastly, the analytical conditions were established on a broad scan basis. For example, in the quantification of the organochlorines, the optimal conditions were established for a scan of 17 chemicals and PCBs rather than for a single constituent of the group.

In order to describe any variances, the minimum, maximum, mean and median percent recoveries were calculated as well as the standard deviation. Chau et al. (1986) used a standard deviation of 25% as a guideline in evaluating analytical performance of private sector contract laboratories. This same value was employed in this interpretation.

Organochlorines (OC)

Twelve OC's were on the 1989 spiking list while the 1990 list contained 13 OC's. OC's were not on the 1991 parameter list. Results from 1989 were good with standard deviations ranging from 4.6 to 39.4%. Comparisons of these results with 1990 data is not relevant since only two samples were spiked in 1990 for OC's.

Chlorobenzenes (CB)

Four CB's were quantified in 1989 with good results. Good results were also obtained in 1990 when 11 CB's were on the spiking list. In 1991, only two samples were analysed for CB's, this resulted in high standard deviations for all congeners.

Polyaromatic Hydrocarbons (PAH)

Six PAH's were on the spiking list for 1989-1991. Benzo(g,h,i)Perylene had a standard deviation of 160.0 in 1990 for reasons that could not be identified. Performance for other congeners was acceptable.

Chlorophenols (CP)

Seven CP's were on the 1989 spiking list while the 1990 and 1991 spiking lists contained 13 CP's. Good results for CP's were produced in 1989 and 1990. Performance for CP's in 1991 was poor with six out of thirteen congeners being flagged.

Carbamates

Five carbamates were on the 1989-1991 spiking list. Carbamates were among the compounds with the highest standard deviations. These results can partially be explained by the fact that carbamates are not a stable group of compounds and that few samples were spiked with carbamates in 1991.

Organophosphorus (OP)

Six OP's were on the 1989 spiking list while 4 and 14 OP's were on the 1990 and 1991 lists respectively. For the majority of compounds, standard deviations were below 25% thus indicating good precision of the analysis. However, mean recoveries were often below 60%. Data from 1991 was obtained from only 2 samples which restricts use of this data for statistical purposes. As the OP's are as a group, generally less stable than the other groups quantified, it was expected that variance in the recoveries would be larger. This is demonstrated by the recoveries which range from 21.7% for imidan in 1989 to 176.9% for parathion in 1991.

Triazines

Results for the triazine herbicide spikes were good in all three years.

Table 3 presents a group summary and the number of flagged results that exceeded the 25% standard deviation of Chau et al. (1986). There was only one documented sample that had evaporated. As this did not change the number of flagged groups, no table was produced for edited data as in previous reports.

Table 3

QA/QC Summary Information

Parameter Groups and Flags*

	OC	CB	PAH	OP	CP	CARB	TR	PY	T.FLAGS	#SPIKES	%FLAGS
1989	5	0	2	2	2	2	0	-	13	41	31.7
1990	0	0	2	1	3	3	0	-	9	53	17.0
1991	0	9	1	1	6	2	0	1	20	55	36.3

* Using 25% StDev of Chau et al. (1986)

As can be seen from Table 3, 1991 appears to be the worst year in terms of percentage of flagged values. This can be explained by the fact that for all compounds with the exceptions of chlorophenols, only two samples were spiked for QA/QC purposes. This significantly restricts the use of this data for statistical interpretation.

Two samples for chlorophenols in 1990 had average recoveries greater than 150% thereby suggesting an incidence of double spiking. Assuming double spiking actually occurred, values divided by two would be in the range of other spikes for chlorophenols. As the incidence of double spiking could not be confirmed, results must be accepted as such.

Overall, results were considered acceptable and support the results obtained in the study.

APPENDIX II

MUNICIPAL SUPPLY SOURCE

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0056 CH'TOWN MAIN MALAPEQUE DUG WELL

DATE	TIME	20110L Ca (MG/L)	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)	16309L SO4 (MG/L)
91-06-04	1415	——	——	——	——	——	——
91-06-04	1416	——	——	——	——	——	——
91-06-04	1417	14.3	9.0	41.	1.7	13.5	10.5
91-06-04	1418	14.3	9.0	43.	1.7	13.5	12.0
91-09-25	0830	22.	13.	42.	1.9	27.	12.4
91-09-25	0835	21.7	13.0	40.	1.9	27.	12.4
MAX		22.	13.	43.	1.9	27.	12.4
MIN		14.3	9.0	40.	1.7	13.5	10.5

DATE	TIME	07315L NO3 (MG/L)	06107L DOC (MG/L)	09105L FLUORIDE (MG/L)	13305L Al (MG/L)	24004L Cr (MG/L)	25304L Mn (MG/L)
91-06-04	1415	——	——	——	——	——	——
91-06-04	1416	——	——	——	——	——	——
91-06-04	1417	.6	L.5	.30	L.010	.003	L.010
91-06-04	1418	.6	L.5	.31	L.010	.003	L.010
91-09-25	0830	1.5	L.5	.27	L.010	.0025	L.010
91-09-25	0835	1.1	L.5	.28	L.010	.0025	.020
MAX		1.5	L.5	.31	L.010	.003	.020
MIN		.6	L.5	.27	L.010	.0025	L.010

DATE	TIME	26305L IRON (MG/L)	28302L NICKEL (MG/L)	29305L COPPER (MG/L)	30304L ZINC (MG/L)	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)
91-06-04	1415	——	——	——	——	——	——
91-06-04	1416	——	——	——	——	——	——
91-06-04	1417	.035	L.002	L.002	L.01	L.001	L.02
91-06-04	1418	.038	L.002	L.002	L.01	L.001	L.02
91-09-25	0830	——	L.002	L.002	L.01	L.001	L.02
91-09-25	0835	——	L.002	L.002	L.01	L.001	L.02
MAX		.038	L.002	L.002	L.01	L.001	L.02
MIN		.035	L.002	L.002	L.01	L.001	L.02

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0056 CH'TOWN MAIN MALAPEQUE DUG WELL

DATE	TIME	82302L LEAD (MG/L)	02011L COLOR (UNITS)	02041L SP COND (USIE/CM)	02073L TURB (JTU)	10301L pH (UNITS)	10110L GRAN ALK (MG/L)
91-06-04	1415	----	----	----	----	----	----
91-06-04	1416	----	----	----	----	----	----
91-06-04	1417	L.002	L5.	300.	.3	8.5	133.6
91-06-04	1418	L.002	L5.	299.	.3	8.6	136.9
91-09-25	0830	L.002	L5.	370.	.3	8.4	148.8
91-09-25	0835	L.002	L5.	370.	.4	8.5	150.5
MAX		L.002	L5.	370.	.4	8.6	150.5
MIN		L.002	L5.	299.	.3	8.4	133.6

DATE	TIME	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)
91-06-04	1415	L.03	L.06	L.03	L.02	L.01	L.01
91-06-04	1416	L.03	L.06	L.03	L.02	L.01	L.01
91-06-04	1417	----	----	----	----	----	----
91-06-04	1418	----	----	----	----	----	----
91-09-25	0830	----	----	----	----	----	----
91-09-25	0835	----	----	----	----	----	----
MAX		L.03	L.06	L.03	L.02	L.01	L.01
MIN		L.03	L.06	L.03	L.02	L.01	L.01

DATE	TIME	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L F1 (UG/L)
91-06-04	1415	L.01	L.01	L.01	L.01	L.01	.003
91-06-04	1416	L.01	L.01	L.01	L.01	L.01	L.001
91-06-04	1417	----	----	----	----	----	----
91-06-04	1418	----	----	----	----	----	----
91-09-25	0830	----	----	----	----	----	----
91-09-25	0835	----	----	----	----	----	----
MAX		L.01	L.01	L.01	L.01	L.01	.003
MIN		L.01	L.01	L.01	L.01	L.01	L.001

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0056 CH'TOWN MAIN MALAPEQUE DUG WELL PAGE 3

DATE	TIME	18901L B(b)Fl (UG/L)	18903L B(k)Fl (UG/L)	18900L B(a)P (UG/L)	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)
91-06-04	1415	L.0004	L.0003	L.0003	L.002	.009	L.001
91-06-04	1416	L.0004	L.0003	L.0003	L.002	L.002	L.001
91-06-04	1417	----	----	----	----	----	----
91-06-04	1418	----	----	----	----	----	----
91-09-25	0830	----	----	----	----	----	----
91-09-25	0835	----	----	----	----	----	----
MAX		L.0004	L.0003	L.0003	L.002	.009	L.001
MIN		L.0004	L.0003	L.0003	L.002	L.002	L.001

DATE	TIME	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)
91-06-04	1415	L.001	L.001	L.001	L.001	L.001	L.001
91-06-04	1416	L.001	L.001	L.001	L.001	L.001	L.001
91-06-04	1417	----	----	----	----	----	----
91-06-04	1418	----	----	----	----	----	----
91-09-25	0830	----	----	----	----	----	----
91-09-25	0835	----	----	----	----	----	----
MAX		L.001	L.001	L.001	L.001	L.001	L.001
MIN		L.001	L.001	L.001	L.001	L.001	L.001

DATE	TIME	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)
91-06-04	1415	L.001	L.001	L.001	L.001	L.001	L.001
91-06-04	1416	L.001	L.001	L.001	L.001	L.001	L.001
91-06-04	1417	----	----	----	----	----	----
91-06-04	1418	----	----	----	----	----	----
91-09-25	0830	----	----	----	----	----	----
91-09-25	0835	----	----	----	----	----	----
MAX		L.001	L.001	L.001	L.001	L.001	L.001
MIN		L.001	L.001	L.001	L.001	L.001	L.001

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0056 CH'TOWN MAIN MALAPEQUE DUG WELL

DATE	TIME	18260L RONNEL (UG/L)	00073L METRIBUZINE (UG/L)	00072L ATRAZINE (UG/L)	00070L DES-ATRA (UG/L)	00071L SIMAZINE (UG/L)	89290L ALDICARB (UG/L)
91-06-04	1415	L.001	L.002	.008	.020	.003	L.1
91-06-04	1416	L.001	L.002	.014	.033	.003	L.1
91-06-04	1417	——	——	——	——	——	——
91-06-04	1418	——	——	——	——	——	——
91-09-25	0830	——	——	——	——	——	——
91-09-25	0835	——	——	——	——	——	——
MAX		L.001	L.002	.014	.033	.003	L.1
MIN		L.001	L.002	.008	.020	.003	L.1

DATE	TIME	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)	26304L IRON (MG/L)	33007L ARSENIC (MG/L)
91-06-04	1415	L.2	L.2	L.1	L.1	——	——
91-06-04	1416	L.2	L.2	L.1	L.1	——	——
91-06-04	1417	——	——	——	——	——	——
91-06-04	1418	——	——	——	——	——	——
91-09-25	0830	——	——	——	——	.050	.0065
91-09-25	0835	——	——	——	——	.060	.0069
MAX		L.2	L.2	L.1	L.1	.060	.0069
MIN		L.2	L.2	L.1	L.1	.050	.0065

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0187 PEI MUNICIPAL SUPPLY - CH'TOWN UNION #1 PAGE 1

DATE	TIME	02011L COLOR (UNITS)	02041L SP COND (USIE/CM)	02073L TURB (JTU)	10301L pH (UNITS)	10101L T ALK (MG/L)	20110L Ca (MG/L)
89-06-06	1350	L5.	316.	.2	8.1	132.6	29.
89-06-06	1351	——	——	——	——	——	——
89-06-06	1352	L5.	316.	.2	8.0	133.3	29.
89-06-06	1353	——	——	——	——	——	——
89-10-05	0955	——	——	——	——	——	——
89-10-05	0956	L5.	295.	.2	8.2	125.9	24.
89-10-05	0957	——	——	——	——	——	——
89-10-05	0958	L5.	292.	.2	8.2	126.5	24.
MAX		L5.	316.	.2	8.2	133.3	29.
MIN		L5.	292.	.2	8.0	125.9	24.

DATE	TIME	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)	16304L SO4 (MG/L)	16309L SO4 (MG/L)
89-06-06	1350	17.	12.6	1.4	13.0	6.0	5.8
89-06-06	1351	——	——	——	——	——	——
89-06-06	1352	17.	12.8	1.4	12.9	6.1	5.9
89-06-06	1353	——	——	——	——	——	——
89-10-05	0955	——	——	——	——	——	——
89-10-05	0956	15.	14.3	1.3	11.7	**TC**	4.4
89-10-05	0957	——	——	——	——	——	——
89-10-05	0958	15.	14.6	1.3	11.2	**TC**	4.2
MAX		17.	14.6	1.4	13.0	6.1	5.9
MIN		15.	12.6	1.3	11.2	6.0	4.2

DATE	TIME	07110L NO3 NO2 (MG/L)	06107L DOC (MG/L)	14102L Si (MG/L)	09105L FLUORIDE (MG/L)	13305L Al (MG/L)	24004L Cr (MG/L)
89-06-06	1350	2.0	L.5	8.7	.05	L.010	.0017
89-06-06	1351	——	——	——	——	——	——
89-06-06	1352	1.8	L.5	9.0	.05	L.010	.0017
89-06-06	1353	——	——	——	——	——	——
89-10-05	0955	——	——	——	——	——	——
89-10-05	0956	1.5	L.5	9.0	.05	L.010	.0032
89-10-05	0957	——	——	——	——	——	——
89-10-05	0958	1.5	L.5	9.4	.05	L.010	.0031
MAX		2.0	L.5	9.4	.05	L.010	.0032
MIN		1.5	L.5	8.7	.05	L.010	.0017

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0187 PEI MUNICIPAL SUPPLY - CH'TOWN UNION #1

DATE	TIME	25304L Mn (MG/L)	26305L IRON (MG/L)	28302L NICKEL (MG/L)	29305L COPPER (MG/L)	30304L ZINC (MG/L)	33007L ARSENIC (MG/L)
89-06-06	1350	L.01	.012	L.002	L.002	L.01	.0015
89-06-06	1351	——	——	——	——	——	——
89-06-06	1352	L.01	.010	L.002	L.002	L.01	.0015
89-06-06	1353	——	——	——	——	——	——
89-10-05	0955	——	——	——	——	——	——
89-10-05	0956	L.010	.012	L.002	L.002	L.01	.0256
89-10-05	0957	——	——	——	——	——	——
89-10-05	0958	L.010	.014	L.002	L.002	L.01	.0256
MAX		L.010	.014	L.002	L.002	L.01	.0256
MIN		L.010	.010	L.002	L.002	L.01	.0015

DATE	TIME	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)	82302L LEAD (MG/L)	18000L p,p-DDT (UG/L)	18005L o,p-DDT (UG/L)	18010L p,p-DDD (UG/L)
89-06-06	1350	L.001	L.02	L.002	——	——	——
89-06-06	1351	——	——	——	L.001	L.001	L.001
89-06-06	1352	L.001	L.02	L.002	——	——	——
89-06-06	1353	——	——	——	L.001	L.001	L.001
89-10-05	0955	——	——	——	L.001	L.001	L.001
89-10-05	0956	L.001	L.02	L.002	——	——	——
89-10-05	0957	——	——	——	L.001	L.001	L.001
89-10-05	0958	L.001	L.02	L.002	——	——	——
MAX		L.001	L.02	L.002	L.001	L.001	L.001
MIN		L.001	L.02	L.002	L.001	L.001	L.001

DATE	TIME	18020L p,p-DDE (UG/L)	18030L p,p-MET (UG/L)	18040L HEPTACHL (UG/L)	18045L HEPT EPX (UG/L)	18050L A-ENDO (UG/L)	18055L B-ENDO (UG/L)
89-06-06	1350	——	——	——	——	——	——
89-06-06	1351	L.001	L.01	L.001	L.001	L.01	L.01
89-06-06	1352	——	——	——	——	——	——
89-06-06	1353	L.001	L.01	L.001	L.001	L.01	L.01
89-10-05	0955	L.001	L.01	L.001	L.001	L.01	L.01
89-10-05	0956	——	——	——	——	——	——
89-10-05	0957	L.001	L.01	L.001	L.001	L.01	L.01
89-10-05	0958	——	——	——	——	——	——
MAX		L.001	L.01	L.001	L.001	L.01	L.01
MIN		L.001	L.01	L.001	L.001	L.01	L.01

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0187 PEI MUNICIPAL SUPPLY - CH'TOWN UNION #1 PAGE 3

DATE	TIME	18060L A-CHLOR (UG/L)	18065L G-CHLOR (UG/L)	18070L G-BHC (UG/L)	18075L A-BHC (UG/L)	18125L MIREX (UG/L)	18130L ALDRIN (UG/L)
89-06-06	1350	----	----	----	----	----	----
89-06-06	1351	L.005	L.005	L.001	L.001	L.001	L.001
89-06-06	1352	----	----	----	----	----	----
89-06-06	1353	L.005	L.005	L.001	L.001	L.001	L.001
89-10-05	0955	L.005	L.005	L.001	L.001	L.001	L.001
89-10-05	0956	----	----	----	----	----	----
89-10-05	0957	L.005	L.005	L.001	L.001	L.001	L.001
89-10-05	0958	----	----	----	----	----	----
MAX		L.005	L.005	L.001	L.001	L.001	L.001
MIN		L.005	L.005	L.001	L.001	L.001	L.001

DATE	TIME	18140L ENDRIN (UG/L)	18150L DIELDRIN (UG/L)	18164L PCB s (UG/L)	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)
89-06-06	1350	----	----	----	----	----	----
89-06-06	1351	L.01	L.001	L.005	L.02	L.02	L.02
89-06-06	1352	----	----	----	----	----	----
89-06-06	1353	L.01	L.001	L.005	L.02	L.02	L.02
89-10-05	0955	L.01	L.001	L.005	L.02	L.02	L.02
89-10-05	0956	----	----	----	----	----	----
89-10-05	0957	L.01	L.001	L.005	L.02	L.02	L.02
89-10-05	0958	----	----	----	----	----	----
MAX		L.01	L.001	L.005	L.02	L.02	L.02
MIN		L.01	L.001	L.005	L.02	L.02	L.02

DATE	TIME	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)
89-06-06	1350	----	----	----	----	----	----
89-06-06	1351	L.004	L.004	L.004	L.002	L.002	L.002
89-06-06	1352	----	----	----	----	----	----
89-06-06	1353	L.004	L.004	L.004	L.002	L.002	L.002
89-10-05	0955	L.004	L.004	L.004	L.002	L.002	L.002
89-10-05	0956	----	----	----	----	----	----
89-10-05	0957	L.004	L.004	L.004	L.002	L.002	L.002
89-10-05	0958	----	----	----	----	----	----
MAX		L.004	L.004	L.004	L.002	L.002	L.002
MIN		L.004	L.004	L.004	L.002	L.002	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0187 PEI MUNICIPAL SUPPLY - CH'TOWN UNION #1 PAGE 4

DATE	TIME	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L Fl (UG/L)	18901L B(b)Fl (UG/L)	18903L B(k)Fl (UG/L)	18900L B(a)P (UG/L)
89-06-06	1350	——	——	——	——	——	——
89-06-06	1351	L.002	L.002	.002	L.0002	L.0002	L.0002
89-06-06	1352	——	——	——	——	——	——
89-06-06	1353	L.002	L.002	L.001	L.0002	L.0002	L.0002
89-10-05	0955	L.002	L.002	.01	L.0002	L.0001	L.0002
89-10-05	0956	——	——	——	——	——	——
89-10-05	0957	L.002	L.002	.005	L.0002	L.0001	L.0002
89-10-05	0958	——	——	——	——	——	——
MAX		L.002	L.002	.01	L.0002	L.0001	L.0002
MIN		L.002	L.002	L.001	L.0002	L.0001	L.0002

DATE	TIME	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)
89-06-06	1350	——	——	——	——	——	——
89-06-06	1351	L.002	L.002	L.002	L.005	L.001	L.01
89-06-06	1352	——	——	——	——	——	——
89-06-06	1353	L.002	L.002	L.002	L.005	L.001	L.01
89-10-05	0955	L.002	L.002	L.008	L.01	L.005	L.01
89-10-05	0956	——	——	——	——	——	——
89-10-05	0957	L.002	L.002	L.008	L.01	L.005	L.01
89-10-05	0958	——	——	——	——	——	——
MAX		L.002	L.002	L.008	L.01	L.005	L.01
MIN		L.002	L.002	L.008	L.01	L.005	L.01

DATE	TIME	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)
89-06-06	1350	——	——	——	——	——	——
89-06-06	1351	.001	L.001	L.001	L.001	L.002	L.001
89-06-06	1352	——	——	——	——	——	——
89-06-06	1353	.001	L.001	L.001	L.001	L.002	L.001
89-10-05	0955	L.002	L.002	L.002	L.002	L.01	L.008
89-10-05	0956	——	——	——	——	——	——
89-10-05	0957	L.002	L.002	L.002	L.002	L.01	L.008
89-10-05	0958	——	——	——	——	——	——
MAX		.001	L.002	L.002	L.002	L.01	L.008
MIN		L.002	L.002	L.002	L.002	L.01	L.008

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0187 PEI MUNICIPAL SUPPLY - CH'TOWN UNION #1 PAGE 5

DATE	TIME	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)	18260L RONNEL (UG/L)	17704L 2-6-DCP (UG/L)	17703L 2-5-DCP (UG/L)
89-06-06	1350	——	——	——	——	——	——
89-06-06	1351	L.001	L.001	L.001	L.001	L.03	L.02
89-06-06	1352	——	——	——	——	——	——
89-06-06	1353	L.001	L.001	L.001	L.001	L.03	L.02
89-10-05	0955	L.002	L.002	L.004	L.002	L.03	L.02
89-10-05	0956	——	——	——	——	——	——
89-10-05	0957	L.002	L.002	L.004	L.002	L.03	L.02
89-10-05	0958	——	——	——	——	——	——
MAX		L.002	L.002	L.004	L.002	L.03	L.02
MIN		L.002	L.002	L.004	L.002	L.03	L.02

DATE	TIME	17702L 2-4-DCP (UG/L)	17706L 3-5-DCP (UG/L)	17701L 2-3-DCP (UG/L)	17705L 3-4-DCP (UG/L)	17713L 2-4-6TCP (UG/L)	17712L 2-3-6TCP (UG/L)
89-06-06	1350	——	——	——	——	——	——
89-06-06	1351	L.02	L.04	L.03	L.04	L.03	L.01
89-06-06	1352	——	——	——	——	——	——
89-06-06	1353	L.02	L.04	L.03	L.04	L.03	L.01
89-10-05	0955	L.02	L.04	L.03	L.04	L.03	L.01
89-10-05	0956	——	——	——	——	——	——
89-10-05	0957	L.02	L.04	L.03	L.04	L.03	L.01
89-10-05	0958	——	——	——	——	——	——
MAX		L.02	L.04	L.03	L.04	L.03	L.01
MIN		L.02	L.04	L.03	L.04	L.03	L.01

DATE	TIME	17711L 2-3-5TCP (UG/L)	17710L 2-3-4TCP (UG/L)	17715L 3-4-5TCP (UG/L)	17721L 2356 TECP (UG/L)	17720L 2345 TCP (UG/L)	17804L PCP (UG/L)
89-06-06	1350	——	——	——	——	——	——
89-06-06	1351	L.01	L.02	L.02	L.005	L.005	L.002
89-06-06	1352	——	——	——	——	——	——
89-06-06	1353	L.01	L.02	L.02	L.005	L.005	L.002
89-10-05	0955	L.01	L.02	L.02	L.005	L.005	L.002
89-10-05	0956	——	——	——	——	——	——
89-10-05	0957	L.01	L.02	L.02	L.005	L.005	L.002
89-10-05	0958	——	——	——	——	——	——
MAX		L.01	L.02	L.02	L.005	L.005	L.002
MIN		L.01	L.02	L.02	L.005	L.005	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0187 PEI MUNICIPAL SUPPLY - CH'TOWN UNION #1 PAGE 6

DATE	TIME	89290L ALDICARB (UG/L)	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)
89-06-06	1350	——	——	——	——	——
89-06-06	1351	L.05	L.05	L.05	L.05	L.05
89-06-06	1352	——	——	——	——	——
89-06-06	1353	L.05	L.05	L.05	L.05	L.05
89-10-05	0955	L.05	L.05	L.05	L.05	L.05
89-10-05	0956	——	——	——	——	——
89-10-05	0957	L.05	L.05	L.05	L.05	L.05
89-10-05	0958	——	——	——	——	——
MAX		L.05	L.05	L.05	L.05	L.05
MIN		L.05	L.05	L.05	L.05	L.05

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0188 PEI MUNICIPAL SUPPLY/CH'TOWN BRACKLEY #1 PAGE 1

DATE	TIME	02011L COLOR (UNITS)	02041L SP COND (USIE/CM)	02073L TURB (JTU)	10301L pH (UNITS)	10101L T ALK (MG/L)	20110L Ca (MG/L)
89-06-06	1330	L5.	236.	.3	7.9	92.3	23.
89-06-06	1331	——	——	——	——	——	——
89-06-06	1332	L5.	235.	.3	7.9	91.	23.
89-06-06	1333	——	——	——	——	——	——
89-10-04	0900	——	——	——	——	——	——
89-10-04	0902	——	——	——	——	——	——
89-10-05	0900	L5.	272.	.3	7.9	107.3	26.
89-10-05	0901	L5.	272.	.3	7.9	104.	26.
MAX		L5.	272.	.3	7.9	107.3	26.
MIN		L5.	235.	.3	7.9	91.	23.

DATE	TIME	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)	16304L SO4 (MG/L)	16309L SO4 (MG/L)
89-06-06	1330	13.	4.4	1.1	9.5	5.9	5.9
89-06-06	1331	——	——	——	——	——	——
89-06-06	1332	13.	6.5	1.1	9.7	6.0	5.8
89-06-06	1333	——	——	——	——	——	——
89-10-04	0900	——	——	——	——	——	——
89-10-04	0902	——	——	——	——	——	——
89-10-05	0900	16.	4.3	1.1	10.8	**TC**	5.9
89-10-05	0901	15.	4.5	1.1	10.9	**TC**	5.9
MAX		16.	6.5	1.1	10.9	6.0	5.9
MIN		13.	4.3	1.1	9.5	5.9	5.8

DATE	TIME	07110L NO3 NO2 (MG/L)	06107L DOC (MG/L)	14102L Si (MG/L)	09105L FLUORIDE (MG/L)	13305L Al (MG/L)	24004L Cr (MG/L)
89-06-06	1330	1.9	L.5	7.2	.05	L.010	.0004
89-06-06	1331	——	——	——	——	——	——
89-06-06	1332	1.9	L.5	7.2	.05	L.010	.0004
89-06-06	1333	——	——	——	——	——	——
89-10-04	0900	——	——	——	——	——	——
89-10-04	0902	——	——	——	——	——	——
89-10-05	0900	2.6	L.5	7.2	.05	L.010	.0003
89-10-05	0901	2.7	.6	7.2	.05	L.010	.0003
MAX		2.7	.6	7.2	.05	L.010	.0004
MIN		1.9	L.5	7.2	.05	L.010	.0003

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0188 PEI MUNICIPAL SUPPLY/CH'TOWN BRACKLEY #1

DATE	TIME	25304L Mn (MG/L)	26304L IRON (MG/L)	28302L NICKEL (MG/L)	29305L COPPER (MG/L)	30304L ZINC (MG/L)	33007L ARSENIC (MG/L)
89-06-06	1330	L.01	.05	L.002	.009	.07	L.0005
89-06-06	1331	——	——	——	——	——	——
89-06-06	1332	L.01	.07	L.002	.006	.08	L.0005
89-06-06	1333	——	——	——	——	——	——
89-10-04	0900	——	——	——	——	——	——
89-10-04	0902	——	——	——	——	——	——
89-10-05	0900	L.010	.05	L.002	.007	.03	L.0005
89-10-05	0901	L.010	——	L.002	.004	.02	L.0005
MAX		L.010	.07	L.002	.009	.08	L.0005
MIN		L.010	.05	L.002	.004	.02	L.0005

DATE	TIME	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)	82302L LEAD (MG/L)	18000L p,p-DDT (UG/L)	18005L o,p-DDT (UG/L)	18010L p,p-DDD (UG/L)
89-06-06	1330	L.001	L.02	.004	——	——	——
89-06-06	1331	——	——	——	L.001	L.001	L.001
89-06-06	1332	L.001	L.02	.004	——	——	——
89-06-06	1333	——	——	——	L.001	L.001	L.001
89-10-04	0900	——	——	——	L.001	L.001	L.001
89-10-04	0902	——	——	——	L.001	L.001	L.001
89-10-05	0900	L.001	L.02	.003	——	——	——
89-10-05	0901	L.001	L.02	L.002	——	——	——
MAX		L.001	L.02	.004	L.001	L.001	L.001
MIN		L.001	L.02	L.002	L.001	L.001	L.001

DATE	TIME	18020L p,p-DDE (UG/L)	18030L p,p-MET (UG/L)	18040L HEPTACHL (UG/L)	18045L HEPT EPX (UG/L)	18050L A-ENDO (UG/L)	18055L B-ENDO (UG/L)
89-06-06	1330	——	——	——	——	——	——
89-06-06	1331	L.001	L.01	L.001	L.001	L.01	L.01
89-06-06	1332	——	——	——	——	——	——
89-06-06	1333	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	0900	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	0902	L.001	L.01	L.001	L.001	L.01	L.01
89-10-05	0900	——	——	——	——	——	——
89-10-05	0901	——	——	——	——	——	——
MAX		L.001	L.01	L.001	L.001	L.01	L.01
MIN		L.001	L.01	L.001	L.001	L.01	L.01

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MONCTON, N.B.

STATION NUMBER— 10PE01CC0188 PEI MUNICIPAL SUPPLY/CH'TOWN BRACKLEY #1 PAGE 3

DATE	TIME	18060L A-CHLOR (UG/L)	18065L G-CHLOR (UG/L)	18070L G-BHC (UG/L)	18075L A-BHC (UG/L)	18125L MIREX (UG/L)	18130L ALDRIN (UG/L)
89-06-06	1330	——	——	——	——	——	——
89-06-06	1331	L.005	L.005	L.001	L.001	L.001	L.001
89-06-06	1332	——	——	——	——	——	——
89-06-06	1333	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	0900	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	0902	L.005	L.005	L.001	L.001	L.001	L.001
89-10-05	0900	——	——	——	——	——	——
89-10-05	0901	——	——	——	——	——	——
MAX		L.005	L.005	L.001	L.001	L.001	L.001
MIN		L.005	L.005	L.001	L.001	L.001	L.001

DATE	TIME	18140L ENDRIN (UG/L)	18150L DIELDRIN (UG/L)	18164L PCB s (UG/L)	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)
89-06-06	1330	——	——	——	——	——	——
89-06-06	1331	L.01	L.001	L.005	L.02	L.02	L.02
89-06-06	1332	——	——	——	——	——	——
89-06-06	1333	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	0900	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	0902	L.01	L.001	L.005	L.02	L.02	L.02
89-10-05	0900	——	——	——	——	——	——
89-10-05	0901	——	——	——	——	——	——
MAX		L.01	L.001	L.005	L.02	L.02	L.02
MIN		L.01	L.001	L.005	L.02	L.02	L.02

DATE	TIME	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)
89-06-06	1330	——	——	——	——	——	——
89-06-06	1331	L.004	L.004	L.004	L.002	L.002	L.002
89-06-06	1332	——	——	——	——	——	——
89-06-06	1333	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	0900	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	0902	L.004	L.004	L.004	L.002	L.002	L.002
89-10-05	0900	——	——	——	——	——	——
89-10-05	0901	——	——	——	——	——	——
MAX		L.004	L.004	L.004	L.002	L.002	L.002
MIN		L.004	L.004	L.004	L.002	L.002	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0188 PEI MUNICIPAL SUPPLY/CH'TOWN BRACKLEY #1 PAGE 4

DATE	TIME	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L Fl (UG/L)	18901L B(b)Fl (UG/L)	18903L B(k)Fl (UG/L)	18900L B(a)P (UG/L)
89-06-06	1330	——	——	——	——	——	——
89-06-06	1331	L.002	L.002	.003	L.0002	L.0002	L.0002
89-06-06	1332	——	——	——	——	——	——
89-06-06	1333	L.002	L.002	.002	L.0002	L.0002	L.0002
89-10-04	0900	L.002	L.002	.008	L.0002	.001	L.0002
89-10-04	0902	L.002	L.002	L.001	L.0002	L.0001	L.0002
89-10-05	0900	——	——	——	——	——	——
89-10-05	0901	——	——	——	——	——	——
MAX		L.002	L.002	.008	L.0002	.001	L.0002
MIN		L.002	L.002	L.001	L.0002	L.0001	L.0002

DATE	TIME	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)
89-06-06	1330	——	——	——	——	——	——
89-06-06	1331	L.002	L.002	L.002	L.005	.001	L.01
89-06-06	1332	——	——	——	——	——	——
89-06-06	1333	L.002	L.002	L.002	L.005	.001	L.01
89-10-04	0900	L.002	L.002	L.008	L.01	L.005	L.01
89-10-04	0902	L.002	L.002	L.008	L.01	L.005	L.01
89-10-05	0900	——	——	——	——	——	——
89-10-05	0901	——	——	——	——	——	——
MAX		L.002	L.002	L.008	L.01	.001	L.01
MIN		L.002	L.002	L.008	L.01	L.005	L.01

DATE	TIME	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)
89-06-06	1330	——	——	——	——	——	——
89-06-06	1331	.001	L.001	L.001	L.001	L.002	L.001
89-06-06	1332	——	——	——	——	——	——
89-06-06	1333	.001	L.001	L.001	L.001	L.002	L.001
89-10-04	0900	L.002	L.002	L.002	L.002	L.01	L.008
89-10-04	0902	L.002	L.002	L.002	L.002	L.01	L.008
89-10-05	0900	——	——	——	——	——	——
89-10-05	0901	——	——	——	——	——	——
MAX		.001	L.002	L.002	L.002	L.01	L.008
MIN		L.002	L.002	L.002	L.002	L.01	L.008

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

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DATE	TIME	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)	18260L RONNEL (UG/L)	17704L 2-6-DCP (UG/L)	17703L 2-5-DCP (UG/L)
89-06-06	1330	——	——	——	——	——	——
89-06-06	1331	L.001	L.001	L.001	L.001	L.03	L.02
89-06-06	1332	——	——	——	——	——	——
89-06-06	1333	L.001	L.001	L.001	L.001	L.03	L.02
89-10-04	0900	L.002	L.002	L.004	L.002	L.03	L.02
89-10-04	0902	L.002	L.002	L.004	L.002	L.03	L.02
89-10-05	0900	——	——	——	——	——	——
89-10-05	0901	——	——	——	——	——	——
MAX		L.002	L.002	L.004	L.002	L.03	L.02
MIN		L.002	L.002	L.004	L.002	L.03	L.02

DATE	TIME	17702L 2-4-DCP (UG/L)	17706L 3-5-DCP (UG/L)	17701L 2-3-DCP (UG/L)	17705L 3-4-DCP (UG/L)	17713L 2-4-6TCP (UG/L)	17712L 2-3-6TCP (UG/L)
89-06-06	1330	——	——	——	——	——	——
89-06-06	1331	L.02	L.04	L.03	L.04	L.03	L.01
89-06-06	1332	——	——	——	——	——	——
89-06-06	1333	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	0900	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	0902	L.02	L.04	L.03	L.04	L.03	L.01
89-10-05	0900	——	——	——	——	——	——
89-10-05	0901	——	——	——	——	——	——
MAX		L.02	L.04	L.03	L.04	L.03	L.01
MIN		L.02	L.04	L.03	L.04	L.03	L.01

DATE	TIME	17711L 2-3-5TCP (UG/L)	17710L 2-3-4TCP (UG/L)	17715L 3-4-5TCP (UG/L)	17721L 2356 TECP (UG/L)	17720L 2345 TCP (UG/L)	17804L PCP (UG/L)
89-06-06	1330	——	——	——	——	——	——
89-06-06	1331	L.01	L.02	L.02	L.005	L.005	L.002
89-06-06	1332	——	——	——	——	——	——
89-06-06	1333	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	0900	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	0902	L.01	L.02	L.02	L.005	L.005	L.002
89-10-05	0900	——	——	——	——	——	——
89-10-05	0901	——	——	——	——	——	——
MAX		L.01	L.02	L.02	L.005	L.005	L.002
MIN		L.01	L.02	L.02	L.005	L.005	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0188 PEI MUNICIPAL SUPPLY/CH'TOWN BRACKLEY #1 PAGE 6

DATE	TIME	89290L ALDICARB (UG/L)	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)	26305L IRON (MG/L)
89-06-06	1330	——	——	——	——	——	——
89-06-06	1331	L.05	L.05	L.05	L.05	L.05	——
89-06-06	1332	——	——	——	——	——	——
89-06-06	1333	L.05	L.05	L.05	L.05	L.05	——
89-10-04	0900	L.05	L.05	L.05	L.05	L.05	——
89-10-04	0902	L.05	L.05	L.05	L.05	L.05	——
89-10-05	0900	——	——	——	——	——	——
89-10-05	0901	——	——	——	——	——	.027
MAX		L.05	L.05	L.05	L.05	L.05	.027
MIN		L.05	L.05	L.05	L.05	L.05	.027

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0189 PEI MUNICIPAL SUPPLY/MALPEQUE WELL

DATE	TIME	02011L COLOR (UNITS)	02041L SP COND (USIE/CM)	02073L TURB (JTU)	10301L pH (UNITS)	10101L T ALK (MG/L)	20110L Ca (MG/L)
89-06-06	1300	L5.	326.	.3	8.6	137.7	14.3
89-06-06	1301	----	----	----	----	----	----
89-06-06	1302	L5.	326.	.2	8.2	135.	15.
89-06-06	1303	----	----	----	----	----	----
89-10-05	1030	----	----	----	----	----	----
89-10-05	1031	L5.	378.	.2	8.5	144.4	19.
89-10-05	1032	----	----	----	----	----	----
89-10-05	1033	L5.	367.	.2	8.5	146.0	19.
MAX		L5.	378.	.3	8.6	146.0	19.
MIN		L5.	326.	.2	8.2	135.	14.3

DATE	TIME	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)	16304L SO4 (MG/L)	16309L SO4 (MG/L)
89-06-06	1300	8.9	48.0	1.6	12.9	10.8	10.8
89-06-06	1301	----	----	----	----	----	----
89-06-06	1302	9.0	19.7	1.6	13.3	10.9	9.9
89-06-06	1303	----	----	----	----	----	----
89-10-05	1030	----	----	----	----	----	----
89-10-05	1031	11.	41.9	1.6	20.	**TC**	11.5
89-10-05	1032	----	----	----	----	----	----
89-10-05	1033	10.	42.5	1.6	20.	**TC**	11.3
MAX		11.	48.0	1.6	20.	10.9	11.5
MIN		8.9	19.7	1.6	12.9	10.8	9.9

DATE	TIME	07110L NO3 NO2 (MG/L)	06107L DOC (MG/L)	14102L Si (MG/L)	09105L FLUORIDE (MG/L)	13305L Al (MG/L)	24004L Cr (MG/L)
89-06-06	1300	.44	L.5	8.7	.35	L.010	.003
89-06-06	1301	----	----	----	----	----	----
89-06-06	1302	.35	L.5	8.7	.35	L.010	.003
89-06-06	1303	----	----	----	----	----	----
89-10-05	1030	----	----	----	----	----	----
89-10-05	1031	1.1	L.5	8.7	.33	L.010	.0027
89-10-05	1032	----	----	----	----	----	----
89-10-05	1033	1.2	L.5	8.7	.33	L.010	.0026
MAX		1.2	L.5	8.7	.35	L.010	.003
MIN		.35	L.5	8.7	.33	L.010	.0026

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MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0189 PEI MUNICIPAL SUPPLY/MALPEQUE WELL

DATE	TIME	25304L Mn (MG/L)	26305L IRON (MG/L)	28302L NICKEL (MG/L)	29305L COPPER (MG/L)	30304L ZINC (MG/L)	33007L ARSENIC (MG/L)
89-06-06	1300	L.01	.042	L.002	L.002	L.01	.0064
89-06-06	1301	----	----	----	----	----	----
89-06-06	1302	L.01	----	L.002	L.002	L.01	.0066
89-06-06	1303	----	----	----	----	----	----
89-10-05	1030	----	----	----	----	----	----
89-10-05	1031	L.010	.031	L.002	L.002	L.01	.0601
89-10-05	1032	----	----	----	----	----	----
89-10-05	1033	L.010	.029	L.002	L.002	L.01	.0617
MAX		L.010	.042	L.002	L.002	L.01	.0617
MIN		L.010	.029	L.002	L.002	L.01	.0064

DATE	TIME	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)	82302L LEAD (MG/L)	26304L IRON (MG/L)	18000L p,p-DDT (UG/L)	18005L o,p-DDT (UG/L)
89-06-06	1300	L.001	L.02	L.002	----	----	----
89-06-06	1301	----	----	----	----	L.001	L.001
89-06-06	1302	L.001	L.02	L.002	.05	----	----
89-06-06	1303	----	----	----	----	L.001	L.001
89-10-05	1030	----	----	----	----	L.001	L.001
89-10-05	1031	L.001	L.02	L.002	----	----	----
89-10-05	1032	----	----	----	----	L.001	L.001
89-10-05	1033	L.001	L.02	L.002	----	----	----
MAX		L.001	L.02	L.002	.05	L.001	L.001
MIN		L.001	L.02	L.002	.05	L.001	L.001

DATE	TIME	18010L p,p-DDD (UG/L)	18020L p,p-DDE (UG/L)	18030L p,p-MET (UG/L)	18040L HEPTACHL (UG/L)	18045L HEPT EPX (UG/L)	18050L A-ENDO (UG/L)
89-06-06	1300	----	----	----	----	----	----
89-06-06	1301	L.001	L.001	L.01	L.001	L.001	L.01
89-06-06	1302	----	----	----	----	----	----
89-06-06	1303	L.001	L.001	L.01	L.001	L.001	L.01
89-10-05	1030	L.001	L.001	L.01	L.001	L.001	L.01
89-10-05	1031	----	----	----	----	----	----
89-10-05	1032	L.001	L.001	L.01	L.001	L.001	L.01
89-10-05	1033	----	----	----	----	----	----
MAX		L.001	L.001	L.01	L.001	L.001	L.01
MIN		L.001	L.001	L.01	L.001	L.001	L.01

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0189 PEI MUNICIPAL SUPPLY/MALPEQUE WELL

DATE	TIME	18055L B-ENDO (UG/L)	18060L A-CHLOR (UG/L)	18065L G-CHLOR (UG/L)	18070L G-BHC (UG/L)	18075L A-BHC (UG/L)	18125L MIREX (UG/L)
89-06-06	1300	——	——	——	——	——	——
89-06-06	1301	L.01	L.005	L.005	L.001	L.001	L.001
89-06-06	1302	——	——	——	——	——	——
89-06-06	1303	L.01	L.005	L.005	L.001	L.001	L.001
89-10-05	1030	L.01	L.005	L.005	L.001	L.001	L.001
89-10-05	1031	——	——	——	——	——	——
89-10-05	1032	L.01	L.005	L.005	L.001	L.001	L.001
89-10-05	1033	——	——	——	——	——	——
MAX		L.01	L.005	L.005	L.001	L.001	L.001
MIN		L.01	L.005	L.005	L.001	L.001	L.001

DATE	TIME	18130L ALDRIN (UG/L)	18140L ENDRIN (UG/L)	18150L DIELDRIN (UG/L)	18164L PCB s (UG/L)	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)
89-06-06	1300	——	——	——	——	——	——
89-06-06	1301	L.001	L.01	L.001	L.005	L.02	L.02
89-06-06	1302	——	——	——	——	——	——
89-06-06	1303	L.001	L.01	L.001	L.005	L.02	L.02
89-10-05	1030	L.001	L.01	L.001	L.005	L.02	L.02
89-10-05	1031	——	——	——	——	——	——
89-10-05	1032	L.001	L.01	L.001	L.005	L.02	L.02
89-10-05	1033	——	——	——	——	——	——
MAX		L.001	L.01	L.001	L.005	L.02	L.02
MIN		L.001	L.01	L.001	L.005	L.02	L.02

DATE	TIME	17822L 1,2DCB (UG/L)	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)
89-06-06	1300	——	——	——	——	——	——
89-06-06	1301	L.02	L.004	L.004	L.004	L.002	L.002
89-06-06	1302	——	——	——	——	——	——
89-06-06	1303	L.02	L.004	L.004	L.004	L.002	L.002
89-10-05	1030	L.02	L.004	L.004	L.004	L.002	L.002
89-10-05	1031	——	——	——	——	——	——
89-10-05	1032	L.02	L.004	L.004	L.004	L.002	L.002
89-10-05	1033	——	——	——	——	——	——
MAX		L.02	L.004	L.004	L.004	L.002	L.002
MIN		L.02	L.004	L.004	L.004	L.002	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0189 PEI MUNICIPAL SUPPLY/MALPEQUE WELL

DATE	TIME	17842L 1234 TECB (UG/L)	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L FI (UG/L)	18901L B(b)FI (UG/L)	18903L B(k)FI (UG/L)
89-06-06	1300	——	——	——	——	——	——
89-06-06	1301	L.002	L.002	L.002	L.001	L.0002	L.0002
89-06-06	1302	——	——	——	——	——	——
89-06-06	1303	L.002	L.002	L.002	L.001	L.0002	L.0002
89-10-05	1030	L.002	L.002	L.002	L.001	L.0002	L.0001
89-10-05	1031	——	——	——	——	——	——
89-10-05	1032	L.002	L.002	L.002	L.001	L.0002	L.0001
89-10-05	1033	——	——	——	——	——	——
MAX		L.002	L.002	L.002	L.001	L.0002	L.0001
MIN		L.002	L.002	L.002	L.001	L.0002	L.0001

DATE	TIME	18900L B(a)P (UG/L)	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)
89-06-06	1300	——	——	——	——	——	——
89-06-06	1301	L.0002	L.002	L.002	L.002	L.005	L.001
89-06-06	1302	——	——	——	——	——	——
89-06-06	1303	L.0002	L.002	L.002	L.002	L.005	L.001
89-10-05	1030	L.0002	L.002	L.002	L.008	L.01	L.005
89-10-05	1031	——	——	——	——	——	——
89-10-05	1032	L.0002	L.002	L.002	L.008	L.01	L.005
89-10-05	1033	——	——	——	——	——	——
MAX		L.0002	L.002	L.002	L.008	L.01	L.005
MIN		L.0002	L.002	L.002	L.008	L.01	L.005

DATE	TIME	18230L RUELENE (UG/L)	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)
89-06-06	1300	——	——	——	——	——	——
89-06-06	1301	L.01	.001	L.001	L.001	L.001	L.002
89-06-06	1302	——	——	——	——	——	——
89-06-06	1303	L.01	.001	L.001	L.001	L.001	L.002
89-10-05	1030	L.01	L.002	L.002	L.002	L.002	L.01
89-10-05	1031	——	——	——	——	——	——
89-10-05	1032	.14	1.509	L.002	.016	.043	L.01
89-10-05	1033	——	——	——	——	——	——
MAX		.14	1.509	L.002	.016	.043	L.01
MIN		L.01	L.002	L.002	L.002	L.002	L.01

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0189 PEI MUNICIPAL SUPPLY/MALPEQUE WELL

DATE	TIME	18250L MALATHI (UG/L)	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)	18260L RONNEL (UG/L)	17704L 2-6-DCP (UG/L)
89-06-06	1300	——	——	——	——	——	——
89-06-06	1301	L.001	L.001	L.001	L.001	L.001	L.03
89-06-06	1302	——	——	——	——	——	——
89-06-06	1303	L.001	L.001	L.001	L.001	L.001	L.03
89-10-05	1030	L.008	L.002	L.002	L.004	L.002	L.03
89-10-05	1031	——	——	——	——	——	——
89-10-05	1032	.063	.042	L.002	**IN**	.025	L.03
89-10-05	1033	——	——	——	——	——	——
MAX		.063	.042	L.002	L.004	.025	L.03
MIN		L.008	L.002	L.002	L.004	L.002	L.03

DATE	TIME	17703L 2-5-DCP (UG/L)	17702L 2-4-DCP (UG/L)	17706L 3-5-DCP (UG/L)	17701L 2-3-DCP (UG/L)	17705L 3-4-DCP (UG/L)	17713L 2-4-6TCP (UG/L)
89-06-06	1300	——	——	——	——	——	——
89-06-06	1301	L.02	L.02	L.04	L.03	L.04	L.03
89-06-06	1302	——	——	——	——	——	——
89-06-06	1303	L.02	L.02	L.04	L.03	L.04	L.03
89-10-05	1030	L.02	L.02	L.04	L.03	L.04	L.03
89-10-05	1031	——	——	——	——	——	——
89-10-05	1032	L.02	L.02	L.04	L.03	L.04	L.03
89-10-05	1033	——	——	——	——	——	——
MAX		L.02	L.02	L.04	L.03	L.04	L.03
MIN		L.02	L.02	L.04	L.03	L.04	L.03

DATE	TIME	17712L 2-3-6TCP (UG/L)	17711L 2-3-5TCP (UG/L)	17710L 2-3-4TCP (UG/L)	17715L 3-4-5TCP (UG/L)	17721L 2356 TECP (UG/L)	17720L 2345 TCP (UG/L)
89-06-06	1300	——	——	——	——	——	——
89-06-06	1301	L.01	L.01	L.02	L.02	L.005	L.005
89-06-06	1302	——	——	——	——	——	——
89-06-06	1303	L.01	L.01	L.02	L.02	L.005	L.005
89-10-05	1030	L.01	L.01	L.02	L.02	L.005	L.005
89-10-05	1031	——	——	——	——	——	——
89-10-05	1032	L.01	L.01	L.02	L.02	L.005	L.005
89-10-05	1033	——	——	——	——	——	——
MAX		L.01	L.01	L.02	L.02	L.005	L.005
MIN		L.01	L.01	L.02	L.02	L.005	L.005

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0189 PEI MUNICIPAL SUPPLY/MALPEQUE WELL

DATE	TIME	17804L PCP (UG/L)	89290L ALDICARB (UG/L)	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)
89-06-06	1300	——	——	——	——	——	——
89-06-06	1301	L.002	L.05	L.05	L.05	L.05	L.05
89-06-06	1302	——	——	——	——	——	——
89-06-06	1303	L.002	L.05	L.05	L.05	L.05	L.05
89-10-05	1030	L.002	L.05	L.05	L.05	L.05	L.05
89-10-05	1031	——	——	——	——	——	——
89-10-05	1032	L.002	L.05	L.05	L.05	L.05	L.05
89-10-05	1033	——	——	——	——	——	——
MAX		L.002	L.05	L.05	L.05	L.05	L.05
MIN		L.002	L.05	L.05	L.05	L.05	L.05

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0205 Cornwall Water Supply Well in Field PAGE 1

DATE	TIME	10101L T ALK (MG/L)	20110L Ca (MG/L)	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)
90-06-26	1201	----	----	----	----	----	----
90-06-26	1202	94.5	16.	8.9	15.5	1.3	7.6
90-06-26	1205	----	----	----	----	----	----
90-06-26	1206	93.6	16.	9.1	17.1	1.5	7.4
90-10-02	1250	88.7	27.	13.	5.2	1.3	68.
90-10-02	1251	----	----	----	----	----	----
90-10-02	1255	88.3	23.	13.	5.2	1.3	14.6
90-10-02	1256	----	----	----	----	----	----
MAX		94.5	27.	13.	17.1	1.5	68.
MIN		88.3	16.	8.9	5.2	1.3	7.4

DATE	TIME	16313L SO4 (MG/L)	16309L SO4 (MG/L)	07110L NO3 NO2 (MG/L)	06107L DOC (MG/L)	14109L SiO2 (MG/L)	09105L FLUORIDE (MG/L)
90-06-26	1201	----	----	----	----	----	----
90-06-26	1202	5.29	3.1	.88	L.5	8.6	.08
90-06-26	1205	----	----	----	----	----	----
90-06-26	1206	5.17	3.1	.93	L.5	8.2	.08
90-10-02	1250	6.1	5.7	1.70	L.5	7.1	.05
90-10-02	1251	----	----	----	----	----	----
90-10-02	1255	5.9	5.6	1.7	L.5	7.0	.05
90-10-02	1256	----	----	----	----	----	----
MAX		6.1	5.7	1.70	L.5	8.6	.08
MIN		5.17	3.1	.88	L.5	7.0	.05

DATE	TIME	13305L Al (MG/L)	24004L Cr (MG/L)	25304L Mn (MG/L)	26304L IRON (MG/L)	28302L NICKEL (MG/L)	29305L COPPER (MG/L)
90-06-26	1201	----	----	----	----	----	----
90-06-26	1202	.14	.0022	L.01	.080	L.002	L.002
90-06-26	1205	----	----	----	----	----	----
90-06-26	1206	.14	.0022	L.01	.050	L.002	L.002
90-10-02	1250	L.010	.0004	L.010	.16	L.002	L.002
90-10-02	1251	----	----	----	----	----	----
90-10-02	1255	L.010	.0005	L.010	.17	L.002	L.002
90-10-02	1256	----	----	----	----	----	----
MAX		.14	.0022	L.010	.17	L.002	L.002
MIN		L.010	.0004	L.010	.050	L.002	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0205 Cornwall Water Supply Well in Field

DATE	TIME	30304L ZINC (MG/L)	33007L ARSENIC (MG/L)	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)	82302L LEAD (MG/L)	02041L SP COND (USIE/CM)
90-06-26	1201	——	——	——	——	——	——
90-06-26	1202	L.01	.0038	L.001	L.02	L.002	225.
90-06-26	1205	——	——	——	——	——	——
90-06-26	1206	L.01	.0038	L.001	L.02	L.002	224.
90-10-02	1250	L.01	.0022	L.001	L.02	L.002	250.
90-10-02	1251	——	——	——	——	——	——
90-10-02	1255	L.01	.0024	L.001	L.02	L.002	250.
90-10-02	1256	——	——	——	——	——	——
MAX		L.01	.0038	L.001	L.02	L.002	250.
MIN		L.01	.0022	L.001	L.02	L.002	224.

DATE	TIME	10301L pH (UNITS)	02011L COLOR (UNITS)	02073L TURB (JTU)	18000L p,p-DDT (UG/L)	18005L o,p-DDT (UG/L)	18010L p,p-DDD (UG/L)
90-06-26	1201	——	——	——	L.001	L.001	L.001
90-06-26	1202	8.5	**IN**	36.	——	——	——
90-06-26	1205	——	——	——	L.001	L.001	L.001
90-06-26	1206	8.5	**IN**	33.	——	——	——
90-10-02	1250	8.3	L5.	.5	——	——	——
90-10-02	1251	——	——	——	L.001	L.001	L.001
90-10-02	1255	8.3	L5.	.4	——	——	——
90-10-02	1256	——	——	——	L.001	L.001	L.001
MAX		8.5	L5.	36.	L.001	L.001	L.001
MIN		8.3	L5.	.4	L.001	L.001	L.001

DATE	TIME	18020L p,p-DDE (UG/L)	18030L p,p-MET (UG/L)	18040L HEPTACHL (UG/L)	18045L HEPT EPX (UG/L)	18050L A-ENDO (UG/L)	18055L B-ENDO (UG/L)
90-06-26	1201	L.001	L.01	L.001	L.001	L.01	L.001
90-06-26	1202	——	——	——	——	——	——
90-06-26	1205	L.001	L.01	L.001	L.001	L.01	L.001
90-06-26	1206	——	——	——	——	——	——
90-10-02	1250	——	——	——	——	——	——
90-10-02	1251	L.001	L.01	L.001	L.001	L.01	L.001
90-10-02	1255	——	——	——	——	——	——
90-10-02	1256	L.001	L.01	L.001	L.001	L.01	L.001
MAX		L.001	L.01	L.001	L.001	L.01	L.001
MIN		L.001	L.01	L.001	L.001	L.01	L.001

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0205 Cornwall Water Supply Well in Field PAGE 3

DATE	TIME	18060L A-CHLOR (UG/L)	18065L G-CHLOR (UG/L)	18070L G-BHC (UG/L)	18075L A-BHC (UG/L)	18125L MIREX (UG/L)	18130L ALDRIN (UG/L)
90-06-26	1201	L.005	L.005	L.001	L.001	L.001	L.001
90-06-26	1202	——	——	——	——	——	——
90-06-26	1205	L.005	L.005	L.001	L.001	L.001	L.001
90-06-26	1206	——	——	——	——	——	——
90-10-02	1250	——	——	——	——	——	——
90-10-02	1251	L.005	L.005	L.001	L.001	L.001	L.001
90-10-02	1255	——	——	——	——	——	——
90-10-02	1256	L.005	L.005	L.001	L.001	L.001	L.001
MAX		L.005	L.005	L.001	L.001	L.001	L.001
MIN		L.005	L.005	L.001	L.001	L.001	L.001

DATE	TIME	18140L ENDRIN (UG/L)	18150L DIELDRIN (UG/L)	18164L PCB s (UG/L)	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)
90-06-26	1201	L.01	L.001	L.005	**CO**	**CO**	L.02
90-06-26	1202	——	——	——	——	——	——
90-06-26	1205	L.01	L.001	L.005	**CO**	**CO**	L.02
90-06-26	1206	——	——	——	——	——	——
90-10-02	1250	——	——	——	——	——	——
90-10-02	1251	L.01	L.001	L.005	L.02	**CO**	L.02
90-10-02	1255	——	——	——	——	——	——
90-10-02	1256	L.01	L.001	L.005	L.02	**CO**	L.02
MAX		L.01	L.001	L.005	L.02	——	L.02
MIN		L.01	L.001	L.005	L.02	——	L.02

DATE	TIME	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)
90-06-26	1201	L.02	L.01	L.01	L.01	L.01	L.01
90-06-26	1202	——	——	——	——	——	——
90-06-26	1205	L.02	L.01	L.01	L.01	L.01	L.01
90-06-26	1206	——	——	——	——	——	——
90-10-02	1250	——	——	——	——	——	——
90-10-02	1251	L.02	L.01	L.01	L.01	L.01	L.01
90-10-02	1255	——	——	——	——	——	——
90-10-02	1256	L.02	L.01	L.01	L.01	L.01	L.01
MAX		L.02	L.01	L.01	L.01	L.01	L.01
MIN		L.02	L.01	L.01	L.01	L.01	L.01

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0205 Cornwall Water Supply Well in Field

DATE	TIME	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L F1 (UG/L)	18901L B(b)F1 (UG/L)	18903L B(k)F1 (UG/L)	18900L B(a)P (UG/L)
90-06-26	1201	L.01	L.01	L.001	L.0004	L.0003	L.0003
90-06-26	1202	----	----	----	----	----	----
90-06-26	1205	L.01	L.01	.003	L.0004	L.0003	L.0003
90-06-26	1206	----	----	----	----	----	----
90-10-02	1250	----	----	----	----	----	----
90-10-02	1251	L.01	L.01	L.001	L.0004	L.0003	L.0003
90-10-02	1255	----	----	----	----	----	----
90-10-02	1256	L.01	L.01	L.001	L.0004	L.0003	L.0003
MAX		L.01	L.01	.003	L.0004	L.0003	L.0003
MIN		L.01	L.01	L.001	L.0004	L.0003	L.0003

DATE	TIME	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)
90-06-26	1201	L.002	L.002	L.001	L.001	L.001	L.001
90-06-26	1202	----	----	----	----	----	----
90-06-26	1205	L.002	L.002	L.001	L.001	L.001	L.001
90-06-26	1206	----	----	----	----	----	----
90-10-02	1250	----	----	----	----	----	----
90-10-02	1251	L.002	L.002	L.001	**IN**	L.001	L.001
90-10-02	1255	----	----	----	----	----	----
90-10-02	1256	L.002	L.002	L.001	L.001	L.001	L.001
MAX		L.002	L.002	L.001	L.001	L.001	L.001
MIN		L.002	L.002	L.001	L.001	L.001	L.001

DATE	TIME	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)
90-06-26	1201	**IN**	**IN**	L.001	L.001	**IN**	L.001
90-06-26	1202	----	----	----	----	----	----
90-06-26	1205	**IN**	**IN**	L.001	L.001	**IN**	L.001
90-06-26	1206	----	----	----	----	----	----
90-10-02	1250	----	----	----	----	----	----
90-10-02	1251	L.001	**IN**	L.001	L.001	L.001	L.001
90-10-02	1255	----	----	----	----	----	----
90-10-02	1256	L.001	**IN**	L.001	L.001	L.001	L.001
MAX		L.001	----	L.001	L.001	L.001	L.001
MIN		L.001	----	L.001	L.001	L.001	L.001

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0205 Cornwall Water Supply Well in Field PAGE 5

DATE	TIME	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)	18260L RONNEL (UG/L)	17704L 2-6-DCP (UG/L)	17703L 2-5-DCP (UG/L)
90-06-26	1201	L.001	L.001	L.001	L.001	L.03	**TC**
90-06-26	1202	——	——	——	——	——	——
90-06-26	1205	L.001	L.001	L.001	L.001	L.03	**TC**
90-06-26	1206	——	——	——	——	——	——
90-10-02	1250	——	——	——	——	——	——
90-10-02	1251	L.001	L.001	L.001	L.001	L.03	**TC**
90-10-02	1255	——	——	——	——	——	——
90-10-02	1256	L.001	L.001	L.001	L.001	L.03	**TC**
MAX		L.001	L.001	L.001	L.001	L.03	——
MIN		L.001	L.001	L.001	L.001	L.03	——

DATE	TIME	17702L 2-4-DCP (UG/L)	17706L 3-5-DCP (UG/L)	17701L 2-3-DCP (UG/L)	17705L 3-4-DCP (UG/L)	17713L 2-4-6TCP (UG/L)	17712L 2-3-6TCP (UG/L)
90-06-26	1201	L.02	L.04	L.03	L.04	L.03	L.01
90-06-26	1202	——	——	——	——	——	——
90-06-26	1205	L.02	L.04	L.03	L.04	L.03	L.01
90-06-26	1206	——	——	——	——	——	——
90-10-02	1250	——	——	——	——	——	——
90-10-02	1251	L.02	L.04	L.03	L.04	L.03	L.01
90-10-02	1255	——	——	——	——	——	——
90-10-02	1256	L.02	L.04	L.03	L.04	L.03	L.01
MAX		L.02	L.04	L.03	L.04	L.03	L.01
MIN		L.02	L.04	L.03	L.04	L.03	L.01

DATE	TIME	17711L 2-3-5TCP (UG/L)	17710L 2-3-4TCP (UG/L)	17715L 3-4-5TCP (UG/L)	17721L 2356 TECP (UG/L)	17720L 2345 TCP (UG/L)	17804L PCP (UG/L)
90-06-26	1201	L.01	L.02	L.02	L.005	L.005	L.002
90-06-26	1202	——	——	——	——	——	——
90-06-26	1205	L.01	L.02	L.02	L.005	L.005	L.002
90-06-26	1206	——	——	——	——	——	——
90-10-02	1250	——	——	——	——	——	——
90-10-02	1251	L.01	L.02	L.02	L.005	L.005	L.002
90-10-02	1255	——	——	——	——	——	——
90-10-02	1256	L.01	L.02	L.02	L.005	L.005	L.002
MAX		L.01	L.02	L.02	L.005	L.005	L.002
MIN		L.01	L.02	L.02	L.005	L.005	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0205 Cornwall Water Supply Well in Field

DATE	TIME	89290L ALDICARB (UG/L)	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)
90-06-26	1201	L.005	L.008	L.006	L.005	L.009
90-06-26	1202	----	----	----	----	----
90-06-26	1205	L.005	L.008	L.006	L.005	L.009
90-06-26	1206	----	----	----	----	----
90-10-02	1250	----	----	----	----	----
90-10-02	1251	L.005	L.008	L.006	L.005	L.009
90-10-02	1255	----	----	----	----	----
90-10-02	1256	L.005	L.008	L.006	L.005	L.009
MAX		L.005	L.008	L.006	L.005	L.009
MIN		L.005	L.008	L.006	L.005	L.009

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0186 PEI MUNICIPAL SUPPLY - CROSSROADS #1 PAGE 1

DATE	TIME	02011L COLOR (UNITS)	02041L SP COND (USIE/CM)	02073L TURB (JTU)	10301L pH (UNITS)	10101L T ALK (MG/L)	20110L Ca (MG/L)
89-06-06	1145	L5.	248.	.2	8.2	83.3	30.
89-06-06	1146	——	——	——	——	——	——
89-06-06	1147	L5.	247.	.1	8.2	82.2	31.
89-06-06	1148	——	——	——	——	——	——
89-10-03	1545	——	——	——	——	——	——
89-10-03	1546	L5.	258.	.3	7.9	85.5	31.
89-10-03	1547	——	——	——	——	——	——
89-10-03	1548	L5.	252.	.7	8.1	84.1	31.
MAX		L5.	258.	.7	8.2	85.5	31.
MIN		L5.	247.	.1	7.9	82.2	30.

DATE	TIME	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)	16304L SO4 (MG/L)	16309L SO4 (MG/L)
89-06-06	1145	8.6	5.5	1.0	13.6	9.4	8.4
89-06-06	1146	——	——	——	——	——	——
89-06-06	1147	8.6	5.6	1.0	13.6	9.1	8.7
89-06-06	1148	——	——	——	——	——	——
89-10-03	1545	——	——	——	——	——	——
89-10-03	1546	9.0	5.4	1.1	14.5	**TC**	8.8
89-10-03	1547	——	——	——	——	——	——
89-10-03	1548	10.	5.4	1.0	14.1	**TC**	8.6
MAX		10.	5.6	1.1	14.5	9.4	8.8
MIN		8.6	5.4	1.0	13.6	9.1	8.4

DATE	TIME	07110L NO3 NO2 (MG/L)	06107L DOC (MG/L)	14102L Si (MG/L)	09105L FLUORIDE (MG/L)	13305L Al (MG/L)	24004L Cr (MG/L)
89-06-06	1145	3.2	L.5	8.6	.05	L.010	.0003
89-06-06	1146	——	——	——	——	——	——
89-06-06	1147	3.0	L.5	7.9	.05	L.010	.0003
89-06-06	1148	——	——	——	——	——	——
89-10-03	1545	——	——	——	——	——	——
89-10-03	1546	2.9	L.5	7.8	.05	L.010	.0004
89-10-03	1547	——	——	——	——	——	——
89-10-03	1548	3.0	L.5	7.8	.05	L.010	.0003
MAX		3.2	L.5	8.6	.05	L.010	.0004
MIN		2.9	L.5	7.8	.05	L.010	.0003

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0186 PEI MUNICIPAL SUPPLY - CROSSROADS #1 PAGE 2

DATE	TIME	25304L Mn (MG/L)	26305L IRON (MG/L)	28302L NICKEL (MG/L)	29305L COPPER (MG/L)	30304L ZINC (MG/L)	33007L ARSENIC (MG/L)
89-06-06	1145	L.01	.005	L.002	.004	.09	.0009
89-06-06	1146	——	——	——	——	——	——
89-06-06	1147	L.01	.005	L.002	.004	.10	.0009
89-06-06	1148	——	——	——	——	——	——
89-10-03	1545	——	——	——	——	——	——
89-10-03	1546	L.010	.011	L.002	——	.10	.001
89-10-03	1547	——	——	——	——	——	——
89-10-03	1548	L.010	——	L.002	——	.33	.001
MAX		L.010	.011	L.002	.004	.33	.001
MIN		L.010	.005	L.002	.004	.09	.0009

DATE	TIME	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)	82302L LEAD (MG/L)	18000L p,p-DDT (UG/L)	18005L o,p-DDT (UG/L)	18010L p,p-DDD (UG/L)
89-06-06	1145	L.001	L.02	L.002	——	——	——
89-06-06	1146	——	——	——	L.001	L.001	L.001
89-06-06	1147	L.001	L.02	L.002	——	——	——
89-06-06	1148	——	——	——	L.001	L.001	L.001
89-10-03	1545	——	——	——	L.001	L.001	L.001
89-10-03	1546	L.001	L.02	.002	——	——	——
89-10-03	1547	——	——	——	L.001	L.001	L.001
89-10-03	1548	L.001	L.02	.006	——	——	——
MAX		L.001	L.02	.006	L.001	L.001	L.001
MIN		L.001	L.02	L.002	L.001	L.001	L.001

DATE	TIME	18020L p,p-DDE (UG/L)	18030L p,p-MET (UG/L)	18040L HEPTACHL (UG/L)	18045L HEPT EPX (UG/L)	18050L A-ENDO (UG/L)	18055L B-ENDO (UG/L)
89-06-06	1145	——	——	——	——	——	——
89-06-06	1146	L.001	L.01	L.001	L.001	L.01	L.01
89-06-06	1147	——	——	——	——	——	——
89-06-06	1148	L.001	L.01	L.001	L.001	L.01	L.01
89-10-03	1545	L.001	L.01	L.001	L.001	L.01	L.01
89-10-03	1546	——	——	——	——	——	——
89-10-03	1547	L.001	L.01	L.001	L.001	L.01	L.01
89-10-03	1548	——	——	——	——	——	——
MAX		L.001	L.01	L.001	L.001	L.01	L.01
MIN		L.001	L.01	L.001	L.001	L.01	L.01

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0186 PEI MUNICIPAL SUPPLY - CROSSROADS #1 PAGE 3

DATE	TIME	18060L A-CHLOR (UG/L)	18065L G-CHLOR (UG/L)	18070L G-BHC (UG/L)	18075L A-BHC (UG/L)	18125L MIREX (UG/L)	18130L ALDRIN (UG/L)
89-06-06	1145	----	----	----	----	----	----
89-06-06	1146	L.005	L.005	L.001	L.001	L.001	L.001
89-06-06	1147	----	----	----	----	----	----
89-06-06	1148	L.005	L.005	L.001	L.001	L.001	L.001
89-10-03	1545	L.005	L.005	L.001	L.001	L.001	L.001
89-10-03	1546	----	----	----	----	----	----
89-10-03	1547	L.005	L.005	L.001	L.001	L.001	L.001
89-10-03	1548	----	----	----	----	----	----
MAX		L.005	L.005	L.001	L.001	L.001	L.001
MIN		L.005	L.005	L.001	L.001	L.001	L.001

DATE	TIME	18140L ENDRIN (UG/L)	18150L DIELDRIN (UG/L)	18164L PCB s (UG/L)	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)
89-06-06	1145	----	----	----	----	----	----
89-06-06	1146	L.01	L.001	L.005	L.02	L.02	L.02
89-06-06	1147	----	----	----	----	----	----
89-06-06	1148	L.01	L.001	L.005	L.02	L.02	L.02
89-10-03	1545	L.01	L.001	L.005	L.02	L.02	L.02
89-10-03	1546	----	----	----	----	----	----
89-10-03	1547	L.01	L.001	L.005	L.02	L.02	L.02
89-10-03	1548	----	----	----	----	----	----
MAX		L.01	L.001	L.005	L.02	L.02	L.02
MIN		L.01	L.001	L.005	L.02	L.02	L.02

DATE	TIME	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)
89-06-06	1145	----	----	----	----	----	----
89-06-06	1146	L.004	L.004	L.004	L.002	L.002	L.002
89-06-06	1147	----	----	----	----	----	----
89-06-06	1148	L.004	L.004	L.004	L.002	L.002	L.002
89-10-03	1545	L.004	L.004	L.004	L.002	L.002	L.002
89-10-03	1546	----	----	----	----	----	----
89-10-03	1547	L.004	L.004	L.004	L.002	L.002	L.002
89-10-03	1548	----	----	----	----	----	----
MAX		L.004	L.004	L.004	L.002	L.002	L.002
MIN		L.004	L.004	L.004	L.002	L.002	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0186 PEI MUNICIPAL SUPPLY - CROSSROADS #1 PAGE 4

DATE	TIME	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L Fl (UG/L)	18901L B(b)Fl (UG/L)	18903L B(k)Fl (UG/L)	18900L B(a)P (UG/L)
89-06-06	1145	——	——	——	——	——	——
89-06-06	1146	L.002	L.002	L.001	L.0002	L.0002	L.0002
89-06-06	1147	——	——	——	——	——	——
89-06-06	1148	L.002	L.002	L.001	L.0002	L.0002	L.0002
89-10-03	1545	L.002	L.002	.007	L.0002	L.0001	L.0002
89-10-03	1546	——	——	——	——	——	——
89-10-03	1547	L.002	L.002	.009	L.0002	L.0001	L.0002
89-10-03	1548	——	——	——	——	——	——
MAX		L.002	L.002	.009	L.0002	L.0001	L.0002
MIN		L.002	L.002	L.001	L.0002	L.0001	L.0002

DATE	TIME	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)
89-06-06	1145	——	——	——	——	——	——
89-06-06	1146	L.002	L.002	L.002	L.005	L.001	L.01
89-06-06	1147	——	——	——	——	——	——
89-06-06	1148	L.002	L.002	L.002	L.005	L.001	L.01
89-10-03	1545	L.002	L.002	L.008	L.01	L.005	L.01
89-10-03	1546	——	——	——	——	——	——
89-10-03	1547	L.002	L.002	L.008	L.01	L.005	L.01
89-10-03	1548	——	——	——	——	——	——
MAX		L.002	L.002	L.008	L.01	L.005	L.01
MIN		L.002	L.002	L.008	L.01	L.005	L.01

DATE	TIME	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)
89-06-06	1145	——	——	——	——	——	——
89-06-06	1146	L.001	L.001	L.001	L.001	L.002	L.001
89-06-06	1147	——	——	——	——	——	——
89-06-06	1148	L.001	L.001	L.001	L.001	L.002	L.001
89-10-03	1545	L.002	L.002	L.002	L.002	L.01	L.008
89-10-03	1546	——	——	——	——	——	——
89-10-03	1547	L.002	L.002	L.002	L.002	L.01	L.008
89-10-03	1548	——	——	——	——	——	——
MAX		L.002	L.002	L.002	L.002	L.01	L.008
MIN		L.002	L.002	L.002	L.002	L.01	L.008

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0186 PEI MUNICIPAL SUPPLY - CROSSROADS #1 PAGE 5

DATE	TIME	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)	18260L RONNEL (UG/L)	17704L 2-6-DCP (UG/L)	17703L 2-5-DCP (UG/L)
89-06-06	1145	——	——	——	——	——	——
89-06-06	1146	L.001	L.001	L.001	L.001	L.03	L.02
89-06-06	1147	——	——	——	——	——	——
89-06-06	1148	L.001	L.001	L.001	L.001	L.03	L.02
89-10-03	1545	L.002	L.002	L.004	L.002	L.03	L.02
89-10-03	1546	——	——	——	——	——	——
89-10-03	1547	L.002	L.002	L.004	L.002	L.03	L.02
89-10-03	1548	——	——	——	——	——	——
MAX		L.002	L.002	L.004	L.002	L.03	L.02
MIN		L.002	L.002	L.004	L.002	L.03	L.02

DATE	TIME	17702L 2-4-DCP (UG/L)	17706L 3-5-DCP (UG/L)	17701L 2-3-DCP (UG/L)	17705L 3-4-DCP (UG/L)	17713L 2-4-6TCP (UG/L)	17712L 2-3-6TCP (UG/L)
89-06-06	1145	——	——	——	——	——	——
89-06-06	1146	L.02	L.04	L.03	L.04	L.03	L.01
89-06-06	1147	——	——	——	——	——	——
89-06-06	1148	L.02	L.04	L.03	L.04	L.03	L.01
89-10-03	1545	L.02	L.04	L.03	L.04	L.03	L.01
89-10-03	1546	——	——	——	——	——	——
89-10-03	1547	L.02	L.04	L.03	L.04	L.03	L.01
89-10-03	1548	——	——	——	——	——	——
MAX		L.02	L.04	L.03	L.04	L.03	L.01
MIN		L.02	L.04	L.03	L.04	L.03	L.01

DATE	TIME	17711L 2-3-5TCP (UG/L)	17710L 2-3-4TCP (UG/L)	17715L 3-4-5TCP (UG/L)	17721L 2356 TECP (UG/L)	17720L 2345 TCP (UG/L)	17804L PCP (UG/L)
89-06-06	1145	——	——	——	——	——	——
89-06-06	1146	L.01	L.02	L.02	L.005	L.005	L.002
89-06-06	1147	——	——	——	——	——	——
89-06-06	1148	L.01	L.02	L.02	L.005	L.005	L.002
89-10-03	1545	L.01	L.02	L.02	L.005	L.005	L.002
89-10-03	1546	——	——	——	——	——	——
89-10-03	1547	L.01	L.02	L.02	L.005	L.005	L.002
89-10-03	1548	——	——	——	——	——	——
MAX		L.01	L.02	L.02	L.005	L.005	L.002
MIN		L.01	L.02	L.02	L.005	L.005	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0186 PEI MUNICIPAL SUPPLY - CROSSROADS #1

DATE	TIME	89290L ALDICARB (UG/L)	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)	29306L COPPER (MG/L)
89-06-06	1145	——	——	——	——	——	——
89-06-06	1146	L.05	L.05	L.05	L.05	L.05	——
89-06-06	1147	——	——	——	——	——	——
89-06-06	1148	L.05	L.05	L.05	L.05	L.05	——
89-10-03	1545	L.05	L.05	L.05	L.05	L.05	——
89-10-03	1546	——	——	——	——	——	.05
89-10-03	1547	L.05	L.05	L.05	L.05	L.05	——
89-10-03	1548	——	——	——	——	——	.06
MAX		L.05	L.05	L.05	L.05	L.05	.06
MIN		L.05	L.05	L.05	L.05	L.05	.05

DATE	TIME	26304L IRON (MG/L)
89-06-06	1145	——
89-06-06	1146	——
89-06-06	1147	——
89-06-06	1148	——
89-10-03	1545	——
89-10-03	1546	——
89-10-03	1547	——
89-10-03	1548	.09
MAX		.09
MIN		.09

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CE0083 MUNICIPAL WATER SUPPLY - G'TOWN COMP. PAGE 1

DATE	TIME	02011L COLOR (UNITS)	02041L SP COND (USIE/CM)	02073L TURB (JTU)	10301L pH (UNITS)	10101L T ALK (MG/L)	20110L Ca (MG/L)
89-06-06	1040	L5.	613.	.2	7.9	225.4	63.
89-06-06	1041	——	——	——	——	——	——
89-06-06	1042	L5.	614.	.2	8.0	220.3	61.
89-06-06	1043	——	——	——	——	——	——
89-10-03	1345	——	——	——	——	——	——
89-10-03	1346	L5.	210.	.2	7.8	79.6	21.
89-10-03	1347	——	——	——	——	——	——
89-10-03	1348	L5.	211.	.6	7.9	81.6	21.
MAX		L5.	614.	.6	8.0	225.4	63.
MIN		L5.	210.	.2	7.8	79.6	21.

DATE	TIME	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)	16304L SO4 (MG/L)	16309L SO4 (MG/L)
89-06-06	1040	28.	21.6	6.7	37.3	38.2	37.3
89-06-06	1041	——	——	——	——	——	——
89-06-06	1042	27.	21.0	5.6	37.9	4.0	4.0
89-06-06	1043	——	——	——	——	——	——
89-10-03	1345	——	——	——	——	——	——
89-10-03	1346	11.	5.0	1.1	11.7	**TC**	5.
89-10-03	1347	——	——	——	——	——	——
89-10-03	1348	11.	5.0	1.1	11.7	**TC**	5.1
MAX		28.	21.6	6.7	37.9	38.2	37.3
MIN		11.	5.0	1.1	11.7	4.0	4.0

DATE	TIME	07110L NO3 NO2 (MG/L)	06107L DOC (MG/L)	14102L Si (MG/L)	09105L FLUORIDE (MG/L)	13305L Al (MG/L)	24004L Cr (MG/L)
89-06-06	1040	3.5	L.5	8.4	.05	L.010	.0011
89-06-06	1041	——	——	——	——	——	——
89-06-06	1042	4.1	L.5	8.4	L.05	L.010	.0012
89-06-06	1043	——	——	——	——	——	——
89-10-03	1345	——	——	——	——	——	——
89-10-03	1346	.68	L.5	5.7	.05	L.010	.0003
89-10-03	1347	——	——	——	——	——	——
89-10-03	1348	.67	L.5	5.7	.05	L.010	.0003
MAX		4.1	L.5	8.4	.05	L.010	.0012
MIN		.67	L.5	5.7	L.05	L.010	.0003

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CE0083 MUNICIPAL WATER SUPPLY - G'TOWN COMP.

DATE	TIME	25304L Mn (MG/L)	26305L IRON (MG/L)	28302L NICKEL (MG/L)	29306L COPPER (MG/L)	30304L ZINC (MG/L)	33007L ARSENIC (MG/L)
89-06-06	1040	L.01	.027	L.002	.04	.12	.0008
89-06-06	1041	——	——	——	——	——	——
89-06-06	1042	L.01	.014	L.002	.05	.12	.0006
89-06-06	1043	——	——	——	——	——	——
89-10-03	1345	——	——	——	——	——	——
89-10-03	1346	L.010	.006	L.002	——	.01	.006
89-10-03	1347	——	——	——	——	——	——
89-10-03	1348	L.010	.007	L.002	——	.01	.006
MAX		L.010	.027	L.002	.05	.12	.006
MIN		L.010	.006	L.002	.04	.01	.0006

DATE	TIME	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)	82302L LEAD (MG/L)	18000L p,p-DDT (UG/L)	18005L o,p-DDT (UG/L)	18010L p,p-DDD (UG/L)
89-06-06	1040	L.001	L.02	L.002	——	——	——
89-06-06	1041	——	——	——	L.001	L.001	L.001
89-06-06	1042	L.001	L.02	L.002	——	——	——
89-06-06	1043	——	——	——	L.001	L.001	L.001
89-10-03	1345	——	——	——	L.001	L.001	L.001
89-10-03	1346	L.001	L.02	L.002	——	——	——
89-10-03	1347	——	——	——	L.001	L.001	L.001
89-10-03	1348	L.001	L.02	L.002	——	——	——
MAX		L.001	L.02	L.002	L.001	L.001	L.001
MIN		L.001	L.02	L.002	L.001	L.001	L.001

DATE	TIME	18020L p,p-DDE (UG/L)	18030L p,p-MET (UG/L)	18040L HEPTACHL (UG/L)	18045L HEPT EPX (UG/L)	18050L A-ENDO (UG/L)	18055L B-ENDO (UG/L)
89-06-06	1040	——	——	——	——	——	——
89-06-06	1041	L.001	L.01	L.001	L.001	L.01	L.01
89-06-06	1042	——	——	——	——	——	——
89-06-06	1043	L.001	L.01	L.001	L.001	L.01	L.01
89-10-03	1345	L.001	L.01	L.001	L.001	L.01	L.01
89-10-03	1346	——	——	——	——	——	——
89-10-03	1347	L.001	L.01	L.001	L.001	L.01	L.01
89-10-03	1348	——	——	——	——	——	——
MAX		L.001	L.01	L.001	L.001	L.01	L.01
MIN		L.001	L.01	L.001	L.001	L.01	L.01

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CE0083 MUNICIPAL WATER SUPPLY - G'TOWN COMP. PAGE 3

DATE	TIME	18060L A-CHLOR (UG/L)	18065L G-CHLOR (UG/L)	18070L G-BHC (UG/L)	18075L A-BHC (UG/L)	18125L MIREX (UG/L)	18130L ALDRIN (UG/L)
89-06-06	1040	----	----	----	----	----	----
89-06-06	1041	L.005	L.005	L.001	L.001	L.001	L.001
89-06-06	1042	----	----	----	----	----	----
89-06-06	1043	L.005	L.005	L.001	L.001	L.001	L.001
89-10-03	1345	L.005	L.005	L.001	L.001	L.001	L.001
89-10-03	1346	----	----	----	----	----	----
89-10-03	1347	L.005	L.005	L.001	L.001	L.001	L.001
89-10-03	1348	----	----	----	----	----	----
MAX		L.005	L.005	L.001	L.001	L.001	L.001
MIN		L.005	L.005	L.001	L.001	L.001	L.001

DATE	TIME	18140L ENDRIN (UG/L)	18150L DIELDRIN (UG/L)	18164L PCB s (UG/L)	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)
89-06-06	1040	----	----	----	----	----	----
89-06-06	1041	L.01	L.001	L.005	L.02	L.02	L.02
89-06-06	1042	----	----	----	----	----	----
89-06-06	1043	L.01	L.001	L.005	L.02	L.02	L.02
89-10-03	1345	L.01	L.001	L.005	L.02	L.02	L.02
89-10-03	1346	----	----	----	----	----	----
89-10-03	1347	L.01	L.001	L.005	L.02	L.02	L.02
89-10-03	1348	----	----	----	----	----	----
MAX		L.01	L.001	L.005	L.02	L.02	L.02
MIN		L.01	L.001	L.005	L.02	L.02	L.02

DATE	TIME	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)
89-06-06	1040	----	----	----	----	----	----
89-06-06	1041	L.004	L.004	L.004	L.002	L.002	L.002
89-06-06	1042	----	----	----	----	----	----
89-06-06	1043	L.004	L.004	L.004	L.002	L.002	L.002
89-10-03	1345	L.004	L.004	L.004	L.002	L.002	L.002
89-10-03	1346	----	----	----	----	----	----
89-10-03	1347	L.004	L.004	L.004	L.002	L.002	L.002
89-10-03	1348	----	----	----	----	----	----
MAX		L.004	L.004	L.004	L.002	L.002	L.002
MIN		L.004	L.004	L.004	L.002	L.002	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CE0083 MUNICIPAL WATER SUPPLY - G'TOWN COMP.

DATE	TIME	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L F1 (UG/L)	18901L B(b)F1 (UG/L)	18903L B(k)F1 (UG/L)	18900L B(a)P (UG/L)
89-06-06	1040	——	——	——	——	——	——
89-06-06	1041	L.002	L.002	L.001	L.0002	L.0002	L.0002
89-06-06	1042	——	——	——	——	——	——
89-06-06	1043	L.002	L.002	L.001	L.0002	L.0002	L.0002
89-10-03	1345	L.002	L.002	L.001	L.0002	L.0001	L.0002
89-10-03	1346	——	——	——	——	——	——
89-10-03	1347	L.002	L.002	.006	L.0002	L.0001	L.0002
89-10-03	1348	——	——	——	——	——	——
MAX		L.002	L.002	.006	L.0002	L.0001	L.0002
MIN		L.002	L.002	L.001	L.0002	L.0001	L.0002

DATE	TIME	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)
89-06-06	1040	——	——	——	——	——	——
89-06-06	1041	L.002	L.002	L.002	L.005	L.001	L.01
89-06-06	1042	——	——	——	——	——	——
89-06-06	1043	L.002	L.002	L.002	L.005	L.001	L.01
89-10-03	1345	L.002	L.002	L.008	L.01	L.005	L.01
89-10-03	1346	——	——	——	——	——	——
89-10-03	1347	L.002	L.002	L.008	L.01	L.005	L.01
89-10-03	1348	——	——	——	——	——	——
MAX		L.002	L.002	L.008	L.01	L.005	L.01
MIN		L.002	L.002	L.008	L.01	L.005	L.01

DATE	TIME	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)
89-06-06	1040	——	——	——	——	——	——
89-06-06	1041	L.001	L.001	L.001	L.001	L.002	L.001
89-06-06	1042	——	——	——	——	——	——
89-06-06	1043	L.001	L.001	L.001	L.001	L.002	L.001
89-10-03	1345	L.002	L.002	L.002	L.002	L.01	L.008
89-10-03	1346	——	——	——	——	——	——
89-10-03	1347	L.002	L.002	L.002	L.002	L.01	L.008
89-10-03	1348	——	——	——	——	——	——
MAX		L.002	L.002	L.002	L.002	L.01	L.008
MIN		L.002	L.002	L.002	L.002	L.01	L.008

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CE0083 MUNICIPAL WATER SUPPLY - G'TOWN COMP. PAGE 5

DATE	TIME	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)	18260L RONNEL (UG/L)	17704L 2-6-DCP (UG/L)	17703L 2-5-DCP (UG/L)
89-06-06	1040	——	——	——	——	——	——
89-06-06	1041	L.001	L.001	L.001	L.001	L.03	L.02
89-06-06	1042	——	——	——	——	——	——
89-06-06	1043	L.001	L.001	L.001	L.001	L.03	L.02
89-10-03	1345	L.002	L.002	L.004	L.002	L.03	L.02
89-10-03	1346	——	——	——	——	——	——
89-10-03	1347	L.002	L.002	L.004	L.002	L.03	L.02
89-10-03	1348	——	——	——	——	——	——
MAX		L.002	L.002	L.004	L.002	L.03	L.02
MIN		L.002	L.002	L.004	L.002	L.03	L.02

DATE	TIME	17702L 2-4-DCP (UG/L)	17706L 3-5-DCP (UG/L)	17701L 2-3-DCP (UG/L)	17705L 3-4-DCP (UG/L)	17713L 2-4-6TCP (UG/L)	17712L 2-3-6TCP (UG/L)
89-06-06	1040	——	——	——	——	——	——
89-06-06	1041	L.02	L.04	L.03	L.04	L.03	L.01
89-06-06	1042	——	——	——	——	——	——
89-06-06	1043	L.02	L.04	L.03	L.04	L.03	L.01
89-10-03	1345	L.02	L.04	L.03	L.04	L.03	L.01
89-10-03	1346	——	——	——	——	——	——
89-10-03	1347	L.02	L.04	L.03	L.04	L.03	L.01
89-10-03	1348	——	——	——	——	——	——
MAX		L.02	L.04	L.03	L.04	L.03	L.01
MIN		L.02	L.04	L.03	L.04	L.03	L.01

DATE	TIME	17711L 2-3-5TCP (UG/L)	17710L 2-3-4TCP (UG/L)	17715L 3-4-5TCP (UG/L)	17721L 2356 TECP (UG/L)	17720L 2345 TCP (UG/L)	17804L PCP (UG/L)
89-06-06	1040	——	——	——	——	——	——
89-06-06	1041	L.01	L.02	L.02	L.005	L.005	L.002
89-06-06	1042	——	——	——	——	——	——
89-06-06	1043	L.01	L.02	L.02	L.005	L.005	L.002
89-10-03	1345	L.01	L.02	L.02	L.005	L.005	L.002
89-10-03	1346	——	——	——	——	——	——
89-10-03	1347	L.01	L.02	L.02	L.005	L.005	L.002
89-10-03	1348	——	——	——	——	——	——
MAX		L.01	L.02	L.02	L.005	L.005	L.002
MIN		L.01	L.02	L.02	L.005	L.005	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CE0083 MUNICIPAL WATER SUPPLY - G'TOWN COMP.

DATE	TIME	89290L ALDICARB (UG/L)	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)	29305L COPPER (MG/L)
89-06-06	1040	——	——	——	——	——	——
89-06-06	1041	L.05	L.05	L.05	L.05	L.05	——
89-06-06	1042	——	——	——	——	——	——
89-06-06	1043	L.05	L.05	L.05	L.05	L.05	——
89-10-03	1345	L.05	L.05	L.05	L.05	L.05	——
89-10-03	1346	——	——	——	——	——	L.002
89-10-03	1347	L.05	L.05	L.05	L.05	L.05	——
89-10-03	1348	——	——	——	——	——	L.002
MAX		L.05	L.05	L.05	L.05	L.05	L.002
MIN		L.05	L.05	L.05	L.05	L.05	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0204 North River Water Supply Well # 1 PAGE 1

DATE	TIME	10101L T ALK (MG/L)	20110L Ca (MG/L)	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)
90-06-26	1201	----	----	----	----	----	----
90-06-26	1202	117.3	17.	10.2	21.6	2.0	9.2
90-06-26	1205	----	----	----	----	----	----
90-06-26	1206	116.2	17.	10.2	18.5	2.0	7.7
90-10-02	1425	126.3	27.	15.	7.7	1.7	7.2
90-10-02	1426	----	----	----	----	----	----
90-10-02	1430	126.3	23.	15.	7.7	1.7	7.3
90-10-02	1431	----	----	----	----	----	----
MAX		126.3	27.	15.	21.6	2.0	9.2
MIN		116.2	17.	10.2	7.7	1.7	7.2

DATE	TIME	16313L SO4 (MG/L)	16309L SO4 (MG/L)	07110L NO3 NO2 (MG/L)	06107L DOC (MG/L)	14109L SiO2 (MG/L)	09105L FLUORIDE (MG/L)
90-06-26	1201	----	----	----	----	----	----
90-06-26	1202	4.22	3.9	.70	L.5	9.4	.08
90-06-26	1205	----	----	----	----	----	----
90-06-26	1206	3.64	3.1	.78	L.5	9.3	.08
90-10-02	1425	4.8	4.6	1.6	L.5	9.0	.07
90-10-02	1426	----	----	----	----	----	----
90-10-02	1430	5.3	5.1	1.6	L.5	9.0	.07
90-10-02	1431	----	----	----	----	----	----
MAX		5.3	5.1	1.6	L.5	9.4	.08
MIN		3.64	3.1	.70	L.5	9.0	.07

DATE	TIME	13305L Al (MG/L)	24004L Cr (MG/L)	25304L Mn (MG/L)	26305L IRON (MG/L)	28302L NICKEL (MG/L)	29305L COPPER (MG/L)
90-06-26	1201	----	----	----	----	----	----
90-06-26	1202	L.010	.0003	L.01	.008	L.002	L.002
90-06-26	1205	----	----	----	----	----	----
90-06-26	1206	L.010	.0003	L.01	.008	L.002	L.002
90-10-02	1425	L.010	.0011	L.010	.006	L.002	L.002
90-10-02	1426	----	----	----	----	----	----
90-10-02	1430	L.010	.0010	L.010	.006	L.002	L.002
90-10-02	1431	----	----	----	----	----	----
MAX		L.010	.0011	L.010	.008	L.002	L.002
MIN		L.010	.0003	L.010	.006	L.002	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0204 North River Water Supply Well # 1 PAGE 2

DATE	TIME	30304L ZINC (MG/L)	33007L ARSENIC (MG/L)	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)	82302L LEAD (MG/L)	02011L COLOR (UNITS)
90-06-26	1201	——	——	——	——	——	——
90-06-26	1202	.06	.0065	L.001	L.02	L.002	L5.
90-06-26	1205	——	——	——	——	——	——
90-06-26	1206	.06	.0067	L.001	L.02	L.002	L5.
90-10-02	1425	.18	.0027	L.001	L.02	L.002	L5.
90-10-02	1426	——	——	——	——	——	——
90-10-02	1430	.18	.0026	L.001	L.02	L.002	L5.
90-10-02	1431	——	——	——	——	——	——
MAX		.18	.0067	L.001	L.02	L.002	L5.
MIN		.06	.0026	L.001	L.02	L.002	L5.

DATE	TIME	02041L SP COND (USIE/CM)	10301L pH (UNITS)	02073L TURB (JTU)	18000L p,p-DDT (UG/L)	18005L o,p-DDT (UG/L)	18010L p,p-DDD (UG/L)
90-06-26	1201	——	——	——	L.001	L.001	L.001
90-06-26	1202	257.	8.4	.7	——	——	——
90-06-26	1205	——	——	——	L.001	L.001	L.001
90-06-26	1206	257.	8.3	.6	——	——	——
90-10-02	1425	290.	8.4	.5	——	——	——
90-10-02	1426	——	——	——	L.001	L.001	L.001
90-10-02	1430	290.	8.3	.5	——	——	——
90-10-02	1431	——	——	——	L.001	L.001	L.001
MAX		290.	8.4	.7	L.001	L.001	L.001
MIN		257.	8.3	.5	L.001	L.001	L.001

DATE	TIME	18020L p,p-DDE (UG/L)	18030L p,p-MET (UG/L)	18040L HEPTACHL (UG/L)	18045L HEPT EPX (UG/L)	18050L A-ENDO (UG/L)	18055L B-ENDO (UG/L)
90-06-26	1201	L.001	L.01	L.001	L.001	L.01	L.001
90-06-26	1202	——	——	——	——	——	——
90-06-26	1205	L.001	L.01	L.001	L.001	L.01	L.001
90-06-26	1206	——	——	——	——	——	——
90-10-02	1425	——	——	——	——	——	——
90-10-02	1426	L.001	L.01	L.001	L.001	L.01	L.001
90-10-02	1430	——	——	——	——	——	——
90-10-02	1431	L.001	L.01	L.001	L.001	L.01	L.001
MAX		L.001	L.01	L.001	L.001	L.01	L.001
MIN		L.001	L.01	L.001	L.001	L.01	L.001

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0204 North River Water Supply Well # 1 PAGE 3

DATE	TIME	18060L A-CHLOR (UG/L)	18065L G-CHLOR (UG/L)	18070L G-BHC (UG/L)	18075L A-BHC (UG/L)	18125L MIREX (UG/L)	18130L ALDRIN (UG/L)
90-06-26	1201	L.005	L.005	L.001	L.001	L.001	L.001
90-06-26	1202	——	——	——	——	——	——
90-06-26	1205	L.005	L.005	L.001	L.001	L.001	L.001
90-06-26	1206	——	——	——	——	——	——
90-10-02	1425	——	——	——	——	——	——
90-10-02	1426	L.005	L.005	L.001	L.001	L.001	L.001
90-10-02	1430	——	——	——	——	——	——
90-10-02	1431	L.005	L.005	L.001	L.001	L.001	L.001
MAX		L.005	L.005	L.001	L.001	L.001	L.001
MIN		L.005	L.005	L.001	L.001	L.001	L.001

DATE	TIME	18140L ENDRIN (UG/L)	18150L DIELDRIN (UG/L)	18164L PCB s (UG/L)	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)
90-06-26	1201	L.01	L.001	L.005	**CO**	**CO**	L.02
90-06-26	1202	——	——	——	——	——	——
90-06-26	1205	L.01	L.001	L.005	**CO**	**CO**	L.02
90-06-26	1206	——	——	——	——	——	——
90-10-02	1425	——	——	——	——	——	——
90-10-02	1426	L.01	L.001	L.005	L.02	**CO**	L.02
90-10-02	1430	——	——	——	——	——	——
90-10-02	1431	L.01	L.001	L.005	L.02	**CO**	L.02
MAX		L.01	L.001	L.005	L.02	——	L.02
MIN		L.01	L.001	L.005	L.02	——	L.02

DATE	TIME	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)
90-06-26	1201	L.02	L.01	L.01	L.01	L.01	L.01
90-06-26	1202	——	——	——	——	——	——
90-06-26	1205	L.02	L.01	L.01	L.01	L.01	L.01
90-06-26	1206	——	——	——	——	——	——
90-10-02	1425	——	——	——	——	——	——
90-10-02	1426	L.02	L.01	L.01	L.01	L.01	L.01
90-10-02	1430	——	——	——	——	——	——
90-10-02	1431	L.02	L.01	L.01	L.01	L.01	L.01
MAX		L.02	L.01	L.01	L.01	L.01	L.01
MIN		L.02	L.01	L.01	L.01	L.01	L.01

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0204 North River Water Supply Well # 1 PAGE 4

DATE	TIME	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L F1 (UG/L)	18901L B(b)F1 (UG/L)	18903L B(k)F1 (UG/L)	18900L B(a)P (UG/L)
90-06-26	1201	L.01	L.01	.003	L.0004	L.0003	L.0003
90-06-26	1202	——	——	——	——	——	——
90-06-26	1205	L.01	L.01	L.001	L.0004	L.0003	L.0003
90-06-26	1206	——	——	——	——	——	——
90-10-02	1425	——	——	——	——	——	——
90-10-02	1426	L.01	L.01	L.001	L.0004	L.0003	L.0003
90-10-02	1430	——	——	——	——	——	——
90-10-02	1431	L.01	L.01	L.001	L.0004	L.0003	L.0003
MAX		L.01	L.01	.003	L.0004	L.0003	L.0003
MIN		L.01	L.01	L.001	L.0004	L.0003	L.0003

DATE	TIME	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)
90-06-26	1201	L.002	L.002	L.001	.002	.019	L.001
90-06-26	1202	——	——	——	——	——	——
90-06-26	1205	L.002	L.002	L.001	L.001	L.001	L.001
90-06-26	1206	——	——	——	——	——	——
90-10-02	1425	——	——	——	——	——	——
90-10-02	1426	L.002	L.002	L.001	**IN**	L.001	L.001
90-10-02	1430	——	——	——	——	——	——
90-10-02	1431	L.002	L.002	L.001	L.001	L.001	L.001
MAX		L.002	L.002	L.001	.002	.019	L.001
MIN		L.002	L.002	L.001	L.001	L.001	L.001

DATE	TIME	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)
90-06-26	1201	**IN**	**IN**	L.001	L.001	**IN**	L.001
90-06-26	1202	——	——	——	——	——	——
90-06-26	1205	**IN**	**IN**	L.001	L.001	**IN**	L.001
90-06-26	1206	——	——	——	——	——	——
90-10-02	1425	——	——	——	——	——	——
90-10-02	1426	L.001	**IN**	L.001	L.001	L.001	L.001
90-10-02	1430	——	——	——	——	——	——
90-10-02	1431	L.001	**IN**	L.001	L.001	L.001	L.001
MAX		L.001	——	L.001	L.001	L.001	L.001
MIN		L.001	——	L.001	L.001	L.001	L.001

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0204 North River Water Supply Well # 1 PAGE 5

DATE	TIME	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)	18260L RONNEL (UG/L)	17704L 2-6-DCP (UG/L)	17703L 2-5-DCP (UG/L)
90-06-26	1201	L.001	L.001	L.001	L.001	L.03	**TC**
90-06-26	1202	----	----	----	----	----	----
90-06-26	1205	L.001	L.001	L.001	L.001	L.03	**TC**
90-06-26	1206	----	----	----	----	----	----
90-10-02	1425	----	----	----	----	----	----
90-10-02	1426	L.001	L.001	L.001	L.001	L.03	**TC**
90-10-02	1430	----	----	----	----	----	----
90-10-02	1431	L.001	L.001	L.001	L.001	L.03	**TC**
MAX		L.001	L.001	L.001	L.001	L.03	----
MIN		L.001	L.001	L.001	L.001	L.03	----

DATE	TIME	17702L 2-4-DCP (UG/L)	17706L 3-5-DCP (UG/L)	17701L 2-3-DCP (UG/L)	17705L 3-4-DCP (UG/L)	17713L 2-4-6TCP (UG/L)	17712L 2-3-6TCP (UG/L)
90-06-26	1201	L.02	L.04	L.03	L.04	L.03	L.01
90-06-26	1202	----	----	----	----	----	----
90-06-26	1205	L.02	L.04	L.03	L.04	L.03	L.01
90-06-26	1206	----	----	----	----	----	----
90-10-02	1425	----	----	----	----	----	----
90-10-02	1426	L.02	L.04	L.03	L.04	L.03	L.01
90-10-02	1430	----	----	----	----	----	----
90-10-02	1431	L.02	L.04	L.03	L.04	L.03	L.01
MAX		L.02	L.04	L.03	L.04	L.03	L.01
MIN		L.02	L.04	L.03	L.04	L.03	L.01

DATE	TIME	17711L 2-3-5TCP (UG/L)	17710L 2-3-4TCP (UG/L)	17715L 3-4-5TCP (UG/L)	17721L 2356 TECP (UG/L)	17720L 2345 TCP (UG/L)	17804L PCP (UG/L)
90-06-26	1201	L.01	L.02	L.02	L.005	L.005	L.002
90-06-26	1202	----	----	----	----	----	----
90-06-26	1205	L.01	L.02	L.02	L.005	L.005	L.002
90-06-26	1206	----	----	----	----	----	----
90-10-02	1425	----	----	----	----	----	----
90-10-02	1426	L.01	L.02	L.02	L.005	L.005	L.002
90-10-02	1430	----	----	----	----	----	----
90-10-02	1431	L.01	L.02	L.02	L.005	L.005	L.002
MAX		L.01	L.02	L.02	L.005	L.005	L.002
MIN		L.01	L.02	L.02	L.005	L.005	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0204 North River Water Supply Well # 1 PAGE 6

DATE	TIME	89290L ALDICARB (UG/L)	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)
90-06-26	1201	L.005	L.008	L.006	L.005	L.009
90-06-26	1202	----	----	----	----	----
90-06-26	1205	L.005	L.008	L.006	L.005	L.009
90-06-26	1206	----	----	----	----	----
90-10-02	1425	----	----	----	----	----
90-10-02	1426	L.005	L.008	L.006	L.005	L.009
90-10-02	1430	----	----	----	----	----
90-10-02	1431	L.005	L.008	L.006	L.005	L.009
MAX		L.005	L.008	L.006	L.005	L.009
MIN		L.005	L.008	L.006	L.005	L.009

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0185 PEI MUNICIPAL SUPPLY - PARKDALE #1 PAGE 1

DATE	TIME	02011L COLOR (UNITS)	02041L SP COND (USIE/CM)	02073L TURB (JTU)	10301L pH (UNITS)	10101L T ALK (MG/L)	20110L Ca (MG/L)
89-06-06	1610	L5.	647.	.2	7.7	175.5	60.
89-06-06	1611	——	——	——	——	——	——
89-06-06	1612	L5.	646.	.2	7.8	176.7	58.
89-06-06	1613	——	——	——	——	——	——
89-10-04	0915	——	——	——	——	——	——
89-10-04	0916	L5.	690.	.2	7.7	185.3	67.
89-10-04	0917	——	——	——	——	——	——
89-10-04	0918	L5.	680.	.2	7.8	185.8	67.
MAX		L5.	690.	.2	7.8	185.8	67.
MIN		L5.	646.	.2	7.7	175.5	58.

DATE	TIME	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)	16304L SO4 (MG/L)	16309L SO4 (MG/L)
89-06-06	1610	30.	8.8	1.9	92.	19.2	18.7
89-06-06	1611	——	——	——	——	——	——
89-06-06	1612	30.	10.7	1.8	75.	19.3	19.0
89-06-06	1613	——	——	——	——	——	——
89-10-04	0915	——	——	——	——	——	——
89-10-04	0916	33.	20.0	1.7	87.	**TC**	20.6
89-10-04	0917	——	——	——	——	——	——
89-10-04	0918	34.	19.0	1.8	85.	**TC**	20.4
MAX		34.	20.0	1.9	92.	19.3	20.6
MIN		30.	8.8	1.7	75.	19.2	18.7

DATE	TIME	07110L NO3 NO2 (MG/L)	06107L DOC (MG/L)	14102L Si (MG/L)	09105L FLUORIDE (MG/L)	13305L Al (MG/L)	24004L Cr (MG/L)
89-06-06	1610	3.4	L.5	9.7	L.05	L.010	.0007
89-06-06	1611	——	——	——	——	——	——
89-06-06	1612	3.3	L.5	9.4	L.05	L.010	.0006
89-06-06	1613	——	——	——	——	——	——
89-10-04	0915	——	——	——	——	——	——
89-10-04	0916	3.9	.7	9.0	L.05	L.010	.0006
89-10-04	0917	——	——	——	——	——	——
89-10-04	0918	4.1	.7	8.9	L.05	L.010	.0006
MAX		4.1	.7	9.7	L.05	L.010	.0007
MIN		3.3	L.5	8.9	L.05	L.010	.0006

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0185 PEI MUNICIPAL SUPPLY - PARKDALE #1 PAGE 2

DATE	TIME	25304L Mn (MG/L)	26305L IRON (MG/L)	28302L NICKEL (MG/L)	29305L COPPER (MG/L)	30304L ZINC (MG/L)	33007L ARSENIC (MG/L)
89-06-06	1610	L.01	.005	L.002	.002	L.01	.0005
89-06-06	1611	----	----	----	----	----	----
89-06-06	1612	L.01	.005	L.002	.002	L.01	.0005
89-06-06	1613	----	----	----	----	----	----
89-10-04	0915	----	----	----	----	----	----
89-10-04	0916	L.010	.002	L.002	.002	L.01	L.0005
89-10-04	0917	----	----	----	----	----	----
89-10-04	0918	L.010	.002	L.002	.002	L.01	L.0005
MAX		L.010	.005	L.002	.002	L.01	.0005
MIN		L.010	.002	L.002	.002	L.01	L.0005

DATE	TIME	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)	82302L LEAD (MG/L)	18000L p,p-DDT (UG/L)	18005L o,p-DDT (UG/L)	18010L p,p-DDD (UG/L)
89-06-06	1610	L.001	L.02	L.002	----	----	----
89-06-06	1611	----	----	----	L.001	L.001	L.001
89-06-06	1612	L.001	L.02	L.002	----	----	----
89-06-06	1613	----	----	----	L.001	L.001	L.001
89-10-04	0915	----	----	----	L.001	L.001	L.001
89-10-04	0916	L.001	L.02	L.002	----	----	----
89-10-04	0917	----	----	----	L.001	L.001	L.001
89-10-04	0918	L.001	L.02	L.002	----	----	----
MAX		L.001	L.02	L.002	L.001	L.001	L.001
MIN		L.001	L.02	L.002	L.001	L.001	L.001

DATE	TIME	18020L p,p-DDE (UG/L)	18030L p,p-MET (UG/L)	18040L HEPTACHL (UG/L)	18045L HEPT EPX (UG/L)	18050L A-ENDO (UG/L)	18055L B-ENDO (UG/L)
89-06-06	1610	----	----	----	----	----	----
89-06-06	1611	L.001	L.01	L.001	L.001	L.01	L.01
89-06-06	1612	----	----	----	----	----	----
89-06-06	1613	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	0915	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	0916	----	----	----	----	----	----
89-10-04	0917	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	0918	----	----	----	----	----	----
MAX		L.001	L.01	L.001	L.001	L.01	L.01
MIN		L.001	L.01	L.001	L.001	L.01	L.01

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0185 PEI MUNICIPAL SUPPLY - PARKDALE #1 PAGE 3

DATE	TIME	18060L A-CHLOR (UG/L)	18065L G-CHLOR (UG/L)	18070L G-BHC (UG/L)	18075L A-BHC (UG/L)	18125L MIREX (UG/L)	18130L ALDRIN (UG/L)
89-06-06	1610	——	——	——	——	——	——
89-06-06	1611	L.005	L.005	L.001	L.001	L.001	L.001
89-06-06	1612	——	——	——	——	——	——
89-06-06	1613	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	0915	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	0916	——	——	——	——	——	——
89-10-04	0917	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	0918	——	——	——	——	——	——
MAX		L.005	L.005	L.001	L.001	L.001	L.001
MIN		L.005	L.005	L.001	L.001	L.001	L.001

DATE	TIME	18140L ENDRIN (UG/L)	18150L DIELDRIN (UG/L)	18164L PCB s (UG/L)	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)
89-06-06	1610	——	——	——	——	——	——
89-06-06	1611	L.01	L.001	L.005	L.02	L.02	L.02
89-06-06	1612	——	——	——	——	——	——
89-06-06	1613	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	0915	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	0916	——	——	——	——	——	——
89-10-04	0917	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	0918	——	——	——	——	——	——
MAX		L.01	L.001	L.005	L.02	L.02	L.02
MIN		L.01	L.001	L.005	L.02	L.02	L.02

DATE	TIME	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)
89-06-06	1610	——	——	——	——	——	——
89-06-06	1611	L.004	L.004	L.004	L.002	L.002	L.002
89-06-06	1612	——	——	——	——	——	——
89-06-06	1613	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	0915	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	0916	——	——	——	——	——	——
89-10-04	0917	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	0918	——	——	——	——	——	——
MAX		L.004	L.004	L.004	L.002	L.002	L.002
MIN		L.004	L.004	L.004	L.002	L.002	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0185 PEI MUNICIPAL SUPPLY - PARKDALE #1 PAGE 4

DATE	TIME	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L FI (UG/L)	18901L B(b)FI (UG/L)	18903L B(k)FI (UG/L)	18900L B(a)P (UG/L)
89-06-06	1610	——	——	——	——	——	——
89-06-06	1611	L.002	L.002	.003	L.0002	L.0002	L.0002
89-06-06	1612	——	——	——	——	——	——
89-06-06	1613	L.002	L.002	L.001	L.0002	L.0002	L.0002
89-10-04	0915	L.002	L.002	.005	L.0002	L.0001	L.0002
89-10-04	0916	——	——	——	——	——	——
89-10-04	0917	L.002	L.002	.006	L.0002	L.0001	L.0002
89-10-04	0918	——	——	——	——	——	——
MAX		L.002	L.002	.006	L.0002	L.0001	L.0002
MIN		L.002	L.002	L.001	L.0002	L.0001	L.0002

DATE	TIME	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)
89-06-06	1610	——	——	——	——	——	——
89-06-06	1611	L.002	L.002	L.002	L.005	L.001	L.01
89-06-06	1612	——	——	——	——	——	——
89-06-06	1613	L.002	L.002	L.002	L.005	L.001	L.01
89-10-04	0915	L.002	L.002	L.008	L.01	L.005	L.01
89-10-04	0916	——	——	——	——	——	——
89-10-04	0917	L.002	L.002	L.008	L.01	L.005	L.01
89-10-04	0918	——	——	——	——	——	——
MAX		L.002	L.002	L.008	L.01	L.005	L.01
MIN		L.002	L.002	L.008	L.01	L.005	L.01

DATE	TIME	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)
89-06-06	1610	——	——	——	——	——	——
89-06-06	1611	.001	L.001	L.001	L.001	L.002	L.001
89-06-06	1612	——	——	——	——	——	——
89-06-06	1613	.001	L.001	L.001	L.001	L.002	L.001
89-10-04	0915	L.002	L.002	L.002	L.002	L.01	L.008
89-10-04	0916	——	——	——	——	——	——
89-10-04	0917	L.002	L.002	L.002	L.002	L.01	L.008
89-10-04	0918	——	——	——	——	——	——
MAX		.001	L.002	L.002	L.002	L.01	L.008
MIN		L.002	L.002	L.002	L.002	L.01	L.008

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0185 PEI MUNICIPAL SUPPLY - PARKDALE #1 PAGE 5

DATE	TIME	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)	18260L RONNEL (UG/L)	17704L 2-6-DCP (UG/L)	17703L 2-5-DCP (UG/L)
89-06-06	1610	----	----	----	----	----	----
89-06-06	1611	L.001	L.001	L.001	L.001	L.03	L.02
89-06-06	1612	----	----	----	----	----	----
89-06-06	1613	L.001	L.001	L.001	L.001	L.03	L.02
89-10-04	0915	L.002	L.002	L.004	L.002	L.03	L.02
89-10-04	0916	----	----	----	----	----	----
89-10-04	0917	L.002	L.002	L.004	L.002	L.03	L.02
89-10-04	0918	----	----	----	----	----	----
MAX		L.002	L.002	L.004	L.002	L.03	L.02
MIN		L.002	L.002	L.004	L.002	L.03	L.02

DATE	TIME	17702L 2-4-DCP (UG/L)	17706L 3-5-DCP (UG/L)	17701L 2-3-DCP (UG/L)	17705L 3-4-DCP (UG/L)	17713L 2-4-6TCP (UG/L)	17712L 2-3-6TCP (UG/L)
89-06-06	1610	----	----	----	----	----	----
89-06-06	1611	L.02	L.04	L.03	L.04	L.03	L.01
89-06-06	1612	----	----	----	----	----	----
89-06-06	1613	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	0915	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	0916	----	----	----	----	----	----
89-10-04	0917	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	0918	----	----	----	----	----	----
MAX		L.02	L.04	L.03	L.04	L.03	L.01
MIN		L.02	L.04	L.03	L.04	L.03	L.01

DATE	TIME	17711L 2-3-5TCP (UG/L)	17710L 2-3-4TCP (UG/L)	17715L 3-4-5TCP (UG/L)	17721L 2356 TECP (UG/L)	17720L 2345 TCP (UG/L)	17804L PCP (UG/L)
89-06-06	1610	----	----	----	----	----	----
89-06-06	1611	L.01	L.02	L.02	L.005	L.005	L.002
89-06-06	1612	----	----	----	----	----	----
89-06-06	1613	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	0915	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	0916	----	----	----	----	----	----
89-10-04	0917	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	0918	----	----	----	----	----	----
MAX		L.01	L.02	L.02	L.005	L.005	L.002
MIN		L.01	L.02	L.02	L.005	L.005	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0185 PEI MUNICIPAL SUPPLY - PARKDALE #1

DATE	TIME	89290L ALDICARB (UG/L)	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)
89-06-06	1610	----	----	----	----	----
89-06-06	1611	L.05	L.05	L.05	L.05	L.05
89-06-06	1612	----	----	----	----	----
89-06-06	1613	L.05	L.05	L.05	L.05	L.05
89-10-04	0915	L.05	L.05	L.05	L.05	L.05
89-10-04	0916	----	----	----	----	----
89-10-04	0917	L.05	L.05	L.05	L.05	L.05
89-10-04	0918	----	----	----	----	----
MAX		L.05	L.05	L.05	L.05	L.05
MIN		L.05	L.05	L.05	L.05	L.05

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0057 PARKDALE WELL #3 PAGE 1

DATE	TIME	10101L T ALK (MG/L)	20110L Ca (MG/L)	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)
90-06-26	1500	——	——	——	——	——	——
90-06-26	1501	161.9	69.	33.5	41.5	2.0	141.
90-06-26	1502	——	——	——	——	——	——
90-06-26	1503	162.4	67.	33.5	37.2	2.0	145.
90-10-02	1330	142.3	51.	26.	26.	1.8	90.
90-10-02	1331	——	——	——	——	——	——
90-10-02	1335	146.	51.	26.	26.	1.8	63.
90-10-02	1336	——	——	——	——	——	——
MAX		162.4	69.	33.5	41.5	2.0	145.
MIN		142.3	51.	26.	26.	1.8	63.

DATE	TIME	16313L SO4 (MG/L)	16309L SO4 (MG/L)	07110L NO3 NO2 (MG/L)	06107L DOC (MG/L)	14109L SiO2 (MG/L)	09105L FLUORIDE (MG/L)
90-06-26	1500	——	——	——	——	——	——
90-06-26	1501	22.09	21.0	2.8	L.5	8.4	.05
90-06-26	1502	——	——	——	——	——	——
90-06-26	1503	21.46	21.5	2.8	L.5	8.2	.05
90-10-02	1330	16.4	16.2	2.9	L.5	8.1	.05
90-10-02	1331	——	——	——	——	——	——
90-10-02	1335	16.3	15.7	2.8	.5	8.2	.05
90-10-02	1336	——	——	——	——	——	——
MAX		22.09	21.5	2.9	.5	8.4	.05
MIN		16.3	15.7	2.8	L.5	8.1	.05

DATE	TIME	13305L Al (MG/L)	24004L Cr (MG/L)	25304L Mn (MG/L)	26305L IRON (MG/L)	28302L NICKEL (MG/L)	29305L COPPER (MG/L)
90-06-26	1500	——	——	——	——	——	——
90-06-26	1501	L.010	.0007	L.01	.002	L.002	.003
90-06-26	1502	——	——	——	——	——	——
90-06-26	1503	L.010	.0007	L.01	.002	L.002	.003
90-10-02	1330	L.010	.0007	L.010	L.002	L.002	.008
90-10-02	1331	——	——	——	——	——	——
90-10-02	1335	L.010	.0006	L.010	L.002	L.002	.008
90-10-02	1336	——	——	——	——	——	——
MAX		L.010	.0007	L.010	.002	L.002	.008
MIN		L.010	.0006	L.010	L.002	L.002	.003

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0057 PARKDALE WELL #3

DATE	TIME	30304L ZINC (MG/L)	33007L ARSENIC (MG/L)	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)	82302L LEAD (MG/L)	02041L SP COND (USIE/CM)
90-06-26	1500	----	----	----	----	----	----
90-06-26	1501	L.01	.0006	L.001	L.02	L.002	805.
90-06-26	1502	----	----	----	----	----	----
90-06-26	1503	L.01	.0006	L.001	L.02	L.002	799.
90-10-02	1330	L.01	.0009	L.001	L.02	L.002	615.
90-10-02	1331	----	----	----	----	----	----
90-10-02	1335	L.01	.0010	L.001	L.02	L.002	615.
90-10-02	1336	----	----	----	----	----	----
MAX		L.01	.0010	L.001	L.02	L.002	805.
MIN		L.01	.0006	L.001	L.02	L.002	615.

DATE	TIME	10301L pH (UNITS)	02011L COLOR (UNITS)	02073L TURB (JTU)	18000L p,p-DDT (UG/L)	18005L o,p-DDT (UG/L)	18010L p,p-DDD (UG/L)
90-06-26	1500	----	----	----	L.001	L.001	L.001
90-06-26	1501	7.8	L5.	.2	----	----	----
90-06-26	1502	----	----	----	L.001	L.001	L.001
90-06-26	1503	7.7	L5.	.3	----	----	----
90-10-02	1330	8.2	L5.	.2	----	----	----
90-10-02	1331	----	----	----	L.001	L.001	L.001
90-10-02	1335	8.0	L5.	.2	----	----	----
90-10-02	1336	----	----	----	L.001	L.001	L.001
MAX		8.2	L5.	.3	L.001	L.001	L.001
MIN		7.7	L5.	.2	L.001	L.001	L.001

DATE	TIME	18020L p,p-DDE (UG/L)	18030L p,p-MET (UG/L)	18040L HEPTACHL (UG/L)	18045L HEPT EPX (UG/L)	18050L A-ENDO (UG/L)	18055L B-ENDO (UG/L)
90-06-26	1500	L.001	L.01	L.001	L.001	L.01	L.001
90-06-26	1501	----	----	----	----	----	----
90-06-26	1502	L.001	L.01	L.001	L.001	L.01	L.001
90-06-26	1503	----	----	----	----	----	----
90-10-02	1330	----	----	----	----	----	----
90-10-02	1331	L.001	L.01	L.001	L.001	L.01	L.001
90-10-02	1335	----	----	----	----	----	----
90-10-02	1336	L.001	L.01	L.001	L.001	L.01	L.001
MAX		L.001	L.01	L.001	L.001	L.01	L.001
MIN		L.001	L.01	L.001	L.001	L.01	L.001

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0057 PARKDALE WELL #3 PAGE 3

DATE	TIME	18060L A-CHLOR (UG/L)	18065L G-CHLOR (UG/L)	18070L G-BHC (UG/L)	18075L A-BHC (UG/L)	18125L MIREX (UG/L)	18130L ALDRIN (UG/L)
90-06-26	1500	L.005	L.005	L.001	L.001	L.001	L.001
90-06-26	1501	——	——	——	——	——	——
90-06-26	1502	L.005	L.005	L.001	L.001	L.001	L.001
90-06-26	1503	——	——	——	——	——	——
90-10-02	1330	——	——	——	——	——	——
90-10-02	1331	L.005	L.005	L.001	L.001	L.001	L.001
90-10-02	1335	——	——	——	——	——	——
90-10-02	1336	L.005	L.005	L.001	L.001	L.001	L.001
MAX		L.005	L.005	L.001	L.001	L.001	L.001
MIN		L.005	L.005	L.001	L.001	L.001	L.001

DATE	TIME	18140L ENDRIN (UG/L)	18150L DIELDRIN (UG/L)	18164L PCB s (UG/L)	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)
90-06-26	1500	L.01	L.001	L.005	**CO**	**CO**	L.02
90-06-26	1501	——	——	——	——	——	——
90-06-26	1502	L.01	L.001	L.005	**CO**	**CO**	L.02
90-06-26	1503	——	——	——	——	——	——
90-10-02	1330	——	——	——	——	——	——
90-10-02	1331	L.01	L.001	L.005	L.02	**CO**	L.02
90-10-02	1335	——	——	——	——	——	——
90-10-02	1336	L.01	L.001	L.005	L.02	**CO**	L.02
MAX		L.01	L.001	L.005	L.02	——	L.02
MIN		L.01	L.001	L.005	L.02	——	L.02

DATE	TIME	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)
90-06-26	1500	L.02	L.01	L.01	L.01	L.01	L.01
90-06-26	1501	——	——	——	——	——	——
90-06-26	1502	L.02	L.01	L.01	L.01	L.01	L.01
90-06-26	1503	——	——	——	——	——	——
90-10-02	1330	——	——	——	——	——	——
90-10-02	1331	L.02	L.01	L.01	L.01	L.01	L.01
90-10-02	1335	——	——	——	——	——	——
90-10-02	1336	L.02	L.01	L.01	L.01	L.01	L.01
MAX		L.02	L.01	L.01	L.01	L.01	L.01
MIN		L.02	L.01	L.01	L.01	L.01	L.01

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0057 PARKDALE WELL #3 PAGE 4

DATE	TIME	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L F1 (UG/L)	18901L B(b)F1 (UG/L)	18903L B(k)F1 (UG/L)	18900L B(a)P (UG/L)
90-06-26	1500	L.01	L.01	L.001	L.0004	L.0003	L.0003
90-06-26	1501	——	——	——	——	——	——
90-06-26	1502	L.01	L.01	L.001	L.0004	L.0003	L.0003
90-06-26	1503	——	——	——	——	——	——
90-10-02	1330	——	——	——	——	——	——
90-10-02	1331	L.01	L.01	L.001	L.0004	L.0003	L.0003
90-10-02	1335	——	——	——	——	——	——
90-10-02	1336	L.01	L.01	L.001	L.0004	L.0003	L.0003
MAX		L.01	L.01	L.001	L.0004	L.0003	L.0003
MIN		L.01	L.01	L.001	L.0004	L.0003	L.0003

DATE	TIME	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)
90-06-26	1500	L.002	L.002	L.001	L.001	L.001	L.001
90-06-26	1501	——	——	——	——	——	——
90-06-26	1502	L.002	L.002	L.001	L.001	L.001	L.001
90-06-26	1503	——	——	——	——	——	——
90-10-02	1330	——	——	——	——	——	——
90-10-02	1331	L.002	L.002	L.001	**IN**	L.001	L.001
90-10-02	1335	——	——	——	——	——	——
90-10-02	1336	L.002	L.002	L.001	**IN**	L.001	L.001
MAX		L.002	L.002	L.001	L.001	L.001	L.001
MIN		L.002	L.002	L.001	L.001	L.001	L.001

DATE	TIME	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)
90-06-26	1500	**IN**	**IN**	L.001	L.001	**IN**	L.001
90-06-26	1501	——	——	——	——	——	——
90-06-26	1502	**IN**	**IN**	L1	L.001	**IN**	L.001
90-06-26	1503	——	——	——	——	——	——
90-10-02	1330	——	——	——	——	——	——
90-10-02	1331	L.001	**IN**	L.001	L.001	L.001	L.001
90-10-02	1335	——	——	——	——	——	——
90-10-02	1336	L.001	**IN**	L.001	L.001	L.001	L.001
MAX		L.001	——	L.001	L.001	L.001	L.001
MIN		L.001	——	L.001	L.001	L.001	L.001

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CC0057 PARKDALE WELL #3 PAGE 5

DATE	TIME	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)	18260L RONNEL (UG/L)	17704L 2-6-DCP (UG/L)	17703L 2-5-DCP (UG/L)
90-06-26	1500	L.001	L.001	L.001	L.001	L.03	**TC**
90-06-26	1501	——	——	——	——	——	——
90-06-26	1502	L.001	L.001	L.001	L.001	L.03	**TC**
90-06-26	1503	——	——	——	——	——	——
90-10-02	1330	——	——	——	——	——	——
90-10-02	1331	L.001	L.001	L.001	L.001	L.03	**TC**
90-10-02	1335	——	——	——	——	——	——
90-10-02	1336	L.001	L.001	L.001	L.001	L.03	**TC**
MAX		L.001	L.001	L.001	L.001	L.03	——
MIN		L.001	L.001	L.001	L.001	L.03	——

DATE	TIME	17702L 2-4-DCP (UG/L)	17706L 3-5-DCP (UG/L)	17701L 2-3-DCP (UG/L)	17705L 3-4-DCP (UG/L)	17713L 2-4-6TCP (UG/L)	17712L 2-3-6TCP (UG/L)
90-06-26	1500	L.02	L.04	L.03	L.04	L.03	L.01
90-06-26	1501	——	——	——	——	——	——
90-06-26	1502	L.02	L.04	L.03	L.04	L.03	L.01
90-06-26	1503	——	——	——	——	——	——
90-10-02	1330	——	——	——	——	——	——
90-10-02	1331	L.02	L.04	L.03	L.04	L.03	L.01
90-10-02	1335	——	——	——	——	——	——
90-10-02	1336	L.02	L.04	L.03	L.04	L.03	L.01
MAX		L.02	L.04	L.03	L.04	L.03	L.01
MIN		L.02	L.04	L.03	L.04	L.03	L.01

DATE	TIME	17711L 2-3-5TCP (UG/L)	17710L 2-3-4TCP (UG/L)	17715L 3-4-5TCP (UG/L)	17721L 2356 TECP (UG/L)	17720L 2345 TCP (UG/L)	17804L PCP (UG/L)
90-06-26	1500	L.01	L.02	L.02	L.005	L.005	L.002
90-06-26	1501	——	——	——	——	——	——
90-06-26	1502	L.01	L.02	L.02	L.005	L.005	L.002
90-06-26	1503	——	——	——	——	——	——
90-10-02	1330	——	——	——	——	——	——
90-10-02	1331	L.01	L.02	L.02	L.005	L.005	L.002
90-10-02	1335	——	——	——	——	——	——
90-10-02	1336	L.01	L.02	L.02	L.005	L.005	L.002
MAX		L.01	L.02	L.02	L.005	L.005	L.002
MIN		L.01	L.02	L.02	L.005	L.005	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CC0057 PARKDALE WELL #3 PAGE 6

DATE	TIME	89290L ALDICARB (UG/L)	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)
90-06-26	1500	L.005	L.008	L.006	L.005	L.009
90-06-26	1501	----	----	----	----	----
90-06-26	1502	L.005	L.008	L.006	L.005	L.009
90-06-26	1503	----	----	----	----	----
90-10-02	1330	----	----	----	----	----
90-10-02	1331	L.005	L.008	L.006	L.005	L.009
90-10-02	1335	----	----	----	----	----
90-10-02	1336	L.005	L.008	L.006	L.005	L.009
MAX		L.005	L.008	L.006	L.005	L.009
MIN		L.005	L.008	L.006	L.005	L.009

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CB0127 PEI MUNICIPAL SUPPLY - ST ELEANORS #1 PAGE 1

DATE	TIME	02011L COLOR (UNITS)	02041L SP COND (USIE/CM)	02073L TURB (JTU)	10301L pH (UNITS)	10101L T ALK (MG/L)	20110L Ca (MG/L)
89-06-07	0945	L5.	355.	.4	7.9	106.8	60.
89-06-07	0946	——	——	——	——	——	——
89-06-07	0947	L5.	353.	.1	7.9	108.3	59.
89-06-07	0948	——	——	——	——	——	——
89-10-04	1330	——	——	——	——	——	——
89-10-04	1331	L5.	420.	.1	7.9	142.3	68.
89-10-04	1332	——	——	——	——	——	——
89-10-04	1333	L5.	450.	.2	7.8	145.4	83.
MAX		L5.	450.	.4	7.9	145.4	83.
MIN		L5.	353.	.1	7.8	106.8	59.

DATE	TIME	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)	16304L SO4 (MG/L)	16309L SO4 (MG/L)
89-06-07	0945	1.4	8.7	.59	27.	11.5	11.1
89-06-07	0946	——	——	——	——	——	——
89-06-07	0947	1.4	8.5	.55	27.	11.1	10.8
89-06-07	0948	——	——	——	——	——	——
89-10-04	1330	——	——	——	——	——	——
89-10-04	1331	1.2	11.9	.85	35.	**TC**	15.9
89-10-04	1332	——	——	——	——	——	——
89-10-04	1333	1.7	11.8	.85	35.	**TC**	15.9
MAX		1.7	11.9	.85	35.	11.5	15.9
MIN		1.2	8.5	.55	27.	11.1	10.8

DATE	TIME	07110L NO3 NO2 (MG/L)	06107L DOC (MG/L)	14102L Si (MG/L)	09105L FLUORIDE (MG/L)	13305L Al (MG/L)	24004L Cr (MG/L)
89-06-07	0945	3.7	L.5	12.6	L.05	L.010	.0005
89-06-07	0946	——	——	——	——	——	——
89-06-07	0947	4.1	L.5	12.7	L.05	L.010	.0006
89-06-07	0948	——	——	——	——	——	——
89-10-04	1330	——	——	——	——	——	——
89-10-04	1331	6.1	.6	10.3	L.05	L.010	.0004
89-10-04	1332	——	——	——	——	——	——
89-10-04	1333	5.8	.6	10.3	L.05	L.010	.0005
MAX		6.1	.6	12.7	L.05	L.010	.0006
MIN		3.7	L.5	10.3	L.05	L.010	.0004

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CB0127 PEI MUNICIPAL SUPPLY - ST ELEANORS #1

DATE	TIME	25304L Mn (MG/L)	26305L IRON (MG/L)	28302L NICKEL (MG/L)	29306L COPPER (MG/L)	30304L ZINC (MG/L)	33007L ARSENIC (MG/L)
89-06-07	0945	L.01	.002	L.002	.08	L.01	L.0005
89-06-07	0946	——	——	——	——	——	——
89-06-07	0947	L.01	.009	L.002	.51	L.01	L.0005
89-06-07	0948	——	——	——	——	——	——
89-10-04	1330	——	——	——	——	——	——
89-10-04	1331	L.010	.003	L.002	——	L.01	L.0005
89-10-04	1332	——	——	——	——	——	——
89-10-04	1333	L.010	L.002	L.002	——	L.01	L.0005
MAX		L.010	.009	L.002	.51	L.01	L.0005
MIN		L.010	L.002	L.002	.08	L.01	L.0005

DATE	TIME	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)	82302L LEAD (MG/L)	18000L p,p-DDT (UG/L)	18005L o,p-DDT (UG/L)	18010L p,p-DDD (UG/L)
89-06-07	0945	L.001	L.02	.006	——	——	——
89-06-07	0946	——	——	——	L.001	L.001	L.001
89-06-07	0947	L.001	L.02	.035	——	——	——
89-06-07	0948	——	——	——	L.001	L.001	L.001
89-10-04	1330	——	——	——	L.001	L.001	L.001
89-10-04	1331	L.001	L.02	L.002	——	——	——
89-10-04	1332	——	——	——	L.001	L.001	L.001
89-10-04	1333	L.001	L.02	L.002	——	——	——
MAX		L.001	L.02	.035	L.001	L.001	L.001
MIN		L.001	L.02	L.002	L.001	L.001	L.001

DATE	TIME	18020L p,p-DDE (UG/L)	18030L p,p-MET (UG/L)	18040L HEPTACHL (UG/L)	18045L HEPT EPX (UG/L)	18050L A-ENDO (UG/L)	18055L B-ENDO (UG/L)
89-06-07	0945	——	——	——	——	——	——
89-06-07	0946	L.001	L.01	L.001	L.001	L.01	L.01
89-06-07	0947	——	——	——	——	——	——
89-06-07	0948	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	1330	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	1331	——	——	——	——	——	——
89-10-04	1332	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	1333	——	——	——	——	——	——
MAX		L.001	L.01	L.001	L.001	L.01	L.01
MIN		L.001	L.01	L.001	L.001	L.01	L.01

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DATE	TIME	18060L A-CHLOR (UG/L)	18065L G-CHLOR (UG/L)	18070L G-BHC (UG/L)	18075L A-BHC (UG/L)	18125L MIREX (UG/L)	18130L ALDRIN (UG/L)
89-06-07	0945	——	——	——	——	——	——
89-06-07	0946	L.005	L.005	L.001	L.001	L.001	L.001
89-06-07	0947	——	——	——	——	——	——
89-06-07	0948	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	1330	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	1331	——	——	——	——	——	——
89-10-04	1332	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	1333	——	——	——	——	——	——
MAX		L.005	L.005	L.001	L.001	L.001	L.001
MIN		L.005	L.005	L.001	L.001	L.001	L.001

DATE	TIME	18140L ENDRIN (UG/L)	18150L DIELDRIN (UG/L)	18164L PCB s (UG/L)	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)
89-06-07	0945	——	——	——	——	——	——
89-06-07	0946	L.01	L.001	L.005	L.02	L.02	L.02
89-06-07	0947	——	——	——	——	——	——
89-06-07	0948	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	1330	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	1331	——	——	——	——	——	——
89-10-04	1332	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	1333	——	——	——	——	——	——
MAX		L.01	L.001	L.005	L.02	L.02	L.02
MIN		L.01	L.001	L.005	L.02	L.02	L.02

DATE	TIME	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)
89-06-07	0945	——	——	——	——	——	——
89-06-07	0946	L.004	L.004	L.004	L.002	L.002	L.002
89-06-07	0947	——	——	——	——	——	——
89-06-07	0948	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	1330	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	1331	——	——	——	——	——	——
89-10-04	1332	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	1333	——	——	——	——	——	——
MAX		L.004	L.004	L.004	L.002	L.002	L.002
MIN		L.004	L.004	L.004	L.002	L.002	L.002

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MONITORING AND EVALUATION BRANCH
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DATE	TIME	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L F1 (UG/L)	18901L B(b)F1 (UG/L)	18903L B(k)F1 (UG/L)	18900L B(a)P (UG/L)
89-06-07	0945	——	——	——	——	——	——
89-06-07	0946	L.002	L.002	L.001	L.0002	L.0002	L.0002
89-06-07	0947	——	——	——	——	——	——
89-06-07	0948	L.002	L.002	L.001	L.0002	L.0002	L.0002
89-10-04	1330	L.002	L.002	L.001	L.0002	L.0001	L.0002
89-10-04	1331	——	——	——	——	——	——
89-10-04	1332	L.002	L.002	L.001	L.0002	L.0001	L.0002
89-10-04	1333	——	——	——	——	——	——
MAX		L.002	L.002	L.001	L.0002	L.0001	L.0002
MIN		L.002	L.002	L.001	L.0002	L.0001	L.0002

DATE	TIME	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)
89-06-07	0945	——	——	——	——	——	——
89-06-07	0946	L.002	L.002	L.002	L.005	L.001	L.01
89-06-07	0947	——	——	——	——	——	——
89-06-07	0948	L.002	L.002	L.002	L.005	L.001	L.01
89-10-04	1330	L.002	L.002	L.008	L.01	L.005	L.01
89-10-04	1331	——	——	——	——	——	——
89-10-04	1332	L.002	L.002	L.008	L.01	L.005	L.01
89-10-04	1333	——	——	——	——	——	——
MAX		L.002	L.002	L.008	L.01	L.005	L.01
MIN		L.002	L.002	L.008	L.01	L.005	L.01

DATE	TIME	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)
89-06-07	0945	——	——	——	——	——	——
89-06-07	0946	.001	L.001	L.001	L.001	L.002	L.001
89-06-07	0947	——	——	——	——	——	——
89-06-07	0948	.001	L.001	L.001	L.001	L.002	L.001
89-10-04	1330	L.002	L.002	L.002	L.002	L.01	L.008
89-10-04	1331	——	——	——	——	——	——
89-10-04	1332	L.002	L.002	L.002	L.002	L.01	L.008
89-10-04	1333	——	——	——	——	——	——
MAX		.001	L.002	L.002	L.002	L.01	L.008
MIN		L.002	L.002	L.002	L.002	L.01	L.008

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MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

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DATE	TIME	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)	18260L RONNEL (UG/L)	17704L 2-6-DCP (UG/L)	17703L 2-5-DCP (UG/L)
89-06-07	0945	----	----	----	----	----	----
89-06-07	0946	L.001	L.001	L.001	L.001	L.03	L.02
89-06-07	0947	----	----	----	----	----	----
89-06-07	0948	L.001	L.001	L.001	L.001	L.03	L.02
89-10-04	1330	L.002	L.002	L.004	L.002	L.03	L.02
89-10-04	1331	----	----	----	----	----	----
89-10-04	1332	L.002	L.002	L.004	L.002	L.03	L.02
89-10-04	1333	----	----	----	----	----	----
MAX		L.002	L.002	L.004	L.002	L.03	L.02
MIN		L.002	L.002	L.004	L.002	L.03	L.02

DATE	TIME	17702L 2-4-DCP (UG/L)	17706L 3-5-DCP (UG/L)	17701L 2-3-DCP (UG/L)	17705L 3-4-DCP (UG/L)	17713L 2-4-6TCP (UG/L)	17712L 2-3-6TCP (UG/L)
89-06-07	0945	----	----	----	----	----	----
89-06-07	0946	L.02	L.04	L.03	L.04	L.03	L.01
89-06-07	0947	----	----	----	----	----	----
89-06-07	0948	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	1330	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	1331	----	----	----	----	----	----
89-10-04	1332	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	1333	----	----	----	----	----	----
MAX		L.02	L.04	L.03	L.04	L.03	L.01
MIN		L.02	L.04	L.03	L.04	L.03	L.01

DATE	TIME	17711L 2-3-5TCP (UG/L)	17710L 2-3-4TCP (UG/L)	17715L 3-4-5TCP (UG/L)	17721L 2356 TECP (UG/L)	17720L 2345 TCP (UG/L)	17804L PCP (UG/L)
89-06-07	0945	----	----	----	----	----	----
89-06-07	0946	L.01	L.02	L.02	L.005	L.005	L.002
89-06-07	0947	----	----	----	----	----	----
89-06-07	0948	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	1330	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	1331	----	----	----	----	----	----
89-10-04	1332	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	1333	----	----	----	----	----	----
MAX		L.01	L.02	L.02	L.005	L.005	L.002
MIN		L.01	L.02	L.02	L.005	L.005	L.002

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MONCTON, N.B.

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DATE	TIME	89290L ALDICARB (UG/L)	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)	29305L COPPER (MG/L)
89-06-07	0945	——	——	——	——	——	——
89-06-07	0946	L.05	L.05	L.05	L.05	L.05	——
89-06-07	0947	——	——	——	——	——	——
89-06-07	0948	L.05	L.05	L.05	L.05	L.05	——
89-10-04	1330	L.05	L.05	L.05	L.05	L.05	——
89-10-04	1331	——	——	——	——	——	.004
89-10-04	1332	L.05	L.05	L.05	L.05	L.05	——
89-10-04	1333	——	——	——	——	——	.002
MAX		L.05	L.05	L.05	L.05	L.05	.004
MIN		L.05	L.05	L.05	L.05	L.05	.002

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MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CB0022 ST. ELEANORS - WELL #4 PAGE 1

DATE	TIME	20110L Ca (MG/L)	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)	16309L SO4 (MG/L)
91-06-05	1015	——	——	——	——	——	——
91-06-05	1016	55.	1.3	11.4	.76	26.0	11.0
91-06-05	1017	——	——	——	——	——	——
91-06-05	1018	55.	1.3	11.4	.77	26.0	10.5
91-09-24	1111	57.	1.4	10.9	.80	27.	11.
91-09-24	1116	57.	1.3	11.0	.81	27.	11.
MAX		57.	1.4	11.4	.81	27.	11.0
MIN		55.	1.3	10.9	.76	26.0	10.5

DATE	TIME	07315L NO3 (MG/L)	06107L DOC (MG/L)	09105L FLUORIDE (MG/L)	13305L Al (MG/L)	24004L Cr (MG/L)	25304L Mn (MG/L)
91-06-05	1015	——	——	——	——	——	——
91-06-05	1016	4.3	L.5	L.05	L.010	.0005	L.010
91-06-05	1017	——	——	——	——	——	——
91-06-05	1018	4.3	L.5	L.05	L.010	.0006	L.010
91-09-24	1111	6.1	L.5	L.05	L.010	.0006	.010
91-09-24	1116	6.1	L.5	L.05	.010	.0024	L.010
MAX		6.1	L.5	L.05	.010	.0024	.010
MIN		4.3	L.5	L.05	L.010	.0005	L.010

DATE	TIME	26304L IRON (MG/L)	28302L NICKEL (MG/L)	29305L COPPER (MG/L)	30304L ZINC (MG/L)	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)
91-06-05	1015	——	——	——	——	——	——
91-06-05	1016	.090	L.002	L.002	L.01	L.001	L.02
91-06-05	1017	——	——	——	——	——	——
91-06-05	1018	.140	L.002	L.002	L.01	L.001	L.02
91-09-24	1111	——	L.002	L.002	L.01	L.001	L.02
91-09-24	1116	.070	L.002	L.002	L.01	L.001	L.02
MAX		.140	L.002	L.002	L.01	L.001	L.02
MIN		.070	L.002	L.002	L.01	L.001	L.02

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DATE	TIME	82302L LEAD (MG/L)	02011L COLOR (UNITS)	02041L SP COND (USIE/CM)	02073L TURB (JTU)	10301L pH (UNITS)	10110L GRAN ALK (MG/L)
91-06-05	1015	----	----	----	----	----	----
91-06-05	1016	L.002	L5.	326.	1.0	7.8	116.
91-06-05	1017	----	----	----	----	----	----
91-06-05	1018	L.002	L5.	329.	1.7	7.9	116.7
91-09-24	1111	L.002	L5.	345.	.3	8.0	111.3
91-09-24	1116	.045	L5.	340.	.3	8.0	113.
MAX		.045	L5.	345.	1.7	8.0	116.7
MIN		L.002	L5.	326.	.3	7.8	111.3

DATE	TIME	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)
91-06-05	1015	L.03	L.06	L.03	L.02	L.01	L.01
91-06-05	1016	----	----	----	----	----	----
91-06-05	1017	L.03	L.06	L.03	L.02	L.01	L.01
91-06-05	1018	----	----	----	----	----	----
91-09-24	1111	----	----	----	----	----	----
91-09-24	1116	----	----	----	----	----	----
MAX		L.03	L.06	L.03	L.02	L.01	L.01
MIN		L.03	L.06	L.03	L.02	L.01	L.01

DATE	TIME	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L F1 (UG/L)
91-06-05	1015	L.01	L.01	L.01	L.01	L.01	L.001
91-06-05	1016	----	----	----	----	----	----
91-06-05	1017	L.01	L.01	L.01	L.01	L.01	L.001
91-06-05	1018	----	----	----	----	----	----
91-09-24	1111	----	----	----	----	----	----
91-09-24	1116	----	----	----	----	----	----
MAX		L.01	L.01	L.01	L.01	L.01	L.001
MIN		L.01	L.01	L.01	L.01	L.01	L.001

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DATE	TIME	18901L B(b)Fl (UG/L)	18903L B(k)Fl (UG/L)	18900L B(a)P (UG/L)	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)
91-06-05	1015	L.0004	L.0003	L.0003	L.002	L.002	L.001
91-06-05	1016	----	----	----	----	----	----
91-06-05	1017	L.0004	L.0003	L.0003	L.002	L.002	L.001
91-06-05	1018	----	----	----	----	----	----
91-09-24	1111	----	----	----	----	----	----
91-09-24	1116	----	----	----	----	----	----
MAX		L.0004	L.0003	L.0003	L.002	L.002	L.001
MIN		L.0004	L.0003	L.0003	L.002	L.002	L.001

DATE	TIME	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)
91-06-05	1015	L.001	L.001	L.001	L.001	L.001	L.001
91-06-05	1016	----	----	----	----	----	----
91-06-05	1017	L.001	L.001	L.001	L.001	L.001	L.001
91-06-05	1018	----	----	----	----	----	----
91-09-24	1111	----	----	----	----	----	----
91-09-24	1116	----	----	----	----	----	----
MAX		L.001	L.001	L.001	L.001	L.001	L.001
MIN		L.001	L.001	L.001	L.001	L.001	L.001

DATE	TIME	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)
91-06-05	1015	L.001	L.001	L.001	L.001	L.001	L.001
91-06-05	1016	----	----	----	----	----	----
91-06-05	1017	L.001	L.001	L.001	L.001	L.001	L.001
91-06-05	1018	----	----	----	----	----	----
91-09-24	1111	----	----	----	----	----	----
91-09-24	1116	----	----	----	----	----	----
MAX		L.001	L.001	L.001	L.001	L.001	L.001
MIN		L.001	L.001	L.001	L.001	L.001	L.001

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MONITORING AND EVALUATION BRANCH
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DATE	TIME	18260L RONNEL (UG/L)	00073L METRIBUZINE (UG/L)	00072L ATRAZINE (UG/L)	00070L DES-ATRA (UG/L)	00071L SIMAZINE (UG/L)	89290L ALDICARB (UG/L)
91-06-05	1015	L.001	.007	.004	.003	.003	L.1
91-06-05	1016	——	——	——	——	——	——
91-06-05	1017	L.001	.006	.004	.003	.004	L.1
91-06-05	1018	——	——	——	——	——	——
91-09-24	1111	——	——	——	——	——	——
91-09-24	1116	——	——	——	——	——	——
MAX		L.001	.007	.004	.003	.004	L.1
MIN		L.001	.006	.004	.003	.003	L.1

DATE	TIME	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)	26305L IRON (MG/L)	33007L ARSENIC (MG/L)
91-06-05	1015	L.2	L.2	L.1	L.1	——	——
91-06-05	1016	——	——	——	——	——	——
91-06-05	1017	L.2	L.2	L.1	L.1	——	——
91-06-05	1018	——	——	——	——	——	——
91-09-24	1111	——	——	——	——	.032	L.0005
91-09-24	1116	——	——	——	——	——	L.0005
MAX		L.2	L.2	L.1	L.1	.032	L.0005
MIN		L.2	L.2	L.1	L.1	.032	L.0005

ENVIRONMENT CANADA
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MONCTON, N.B.

STATION NUMBER-- 10PE01CB0126 PEI MUNICIPAL SUPPLY - SUMMERSIDE #4 PAGE 1

DATE	TIME	02011L COLOR (UNITS)	02041L SP COND (USIE/CM)	02073L TURB (JTU)	10301L pH (UNITS)	10101L T ALK (MG/L)	20110L Ca (MG/L)
89-06-07	0900	L5.	563.	.2	7.8	155.6	90.
89-06-07	0901	----	----	----	----	----	----
89-06-07	0902	L5.	576.	.2	7.7	160.5	87.
89-06-07	0903	----	----	----	----	----	----
89-10-04	1120	----	----	----	----	----	----
89-10-04	1121	L5.	520.	.3	7.8	157.6	85.
89-10-04	1122	----	----	----	----	----	----
89-10-04	1123	L5.	510.	.3	7.8	160.4	85.
MAX		L5.	576.	.3	7.8	160.5	90.
MIN		L5.	510.	.2	7.7	155.6	85.

DATE	TIME	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)	16304L SO4 (MG/L)	16309L SO4 (MG/L)
89-06-07	0900	4.1	23.2	1.2	73.	16.5	16.0
89-06-07	0901	----	----	----	----	----	----
89-06-07	0902	4.0	22.2	1.2	73.	16.3	16.0
89-06-07	0903	----	----	----	----	----	----
89-10-04	1120	----	----	----	----	----	----
89-10-04	1121	3.3	18.1	1.1	58.	**TC**	16.7
89-10-04	1122	----	----	----	----	----	----
89-10-04	1123	3.1	18.2	1.1	57.	**TC**	16.6
MAX		4.1	23.2	1.2	73.	16.5	16.7
MIN		3.1	18.1	1.1	57.	16.3	16.0

DATE	TIME	07110L NO3 NO2 (MG/L)	06107L DOC (MG/L)	14102L Si (MG/L)	09105L FLUORIDE (MG/L)	13305L Al (MG/L)	24004L Cr (MG/L)
89-06-07	0900	3.4	1.0	15.	L.05	L.010	.0007
89-06-07	0901	----	----	----	----	----	----
89-06-07	0902	3.9	L.5	15.	L.05	L.010	.0007
89-06-07	0903	----	----	----	----	----	----
89-10-04	1120	----	----	----	----	----	----
89-10-04	1121	3.4	.7	13.4	L.05	L.010	.0004
89-10-04	1122	----	----	----	----	----	----
89-10-04	1123	3.4	.8	13.4	L.05	L.010	.0004
MAX		3.9	1.0	15.	L.05	L.010	.0007
MIN		3.4	L.5	13.4	L.05	L.010	.0004

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CB0126 PEI MUNICIPAL SUPPLY - SUMMERSIDE #4

DATE	TIME	25304L Mn (MG/L)	26305L IRON (MG/L)	28302L NICKEL (MG/L)	29305L COPPER (MG/L)	30304L ZINC (MG/L)	33007L ARSENIC (MG/L)
89-06-07	0900	L.01	.002	L.002	.004	L.01	.0008
89-06-07	0901	——	——	——	——	——	——
89-06-07	0902	L.01	L.002	L.002	.004	L.01	.0008
89-06-07	0903	——	——	——	——	——	——
89-10-04	1120	——	——	——	——	——	——
89-10-04	1121	.010	——	L.002	.002	L.01	L.0005
89-10-04	1122	——	——	——	——	——	——
89-10-04	1123	L.010	——	L.002	L.002	L.01	L.0005
MAX		.010	.002	L.002	.004	L.01	.0008
MIN		L.010	L.002	L.002	L.002	L.01	L.0005

DATE	TIME	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)	82302L LEAD (MG/L)	18000L p,p-DDT (UG/L)	18005L o,p-DDT (UG/L)	18010L p,p-DDD (UG/L)
89-06-07	0900	L.001	L.02	L.002	——	——	——
89-06-07	0901	——	——	——	L.001	L.001	L.001
89-06-07	0902	L.001	L.02	L.002	——	——	——
89-06-07	0903	——	——	——	L.001	L.001	L.001
89-10-04	1120	——	——	——	L.001	L.001	L.001
89-10-04	1121	L.001	L.02	L.002	——	——	——
89-10-04	1122	——	——	——	L.001	L.001	L.001
89-10-04	1123	L.001	L.02	L.002	——	——	——
MAX		L.001	L.02	L.002	L.001	L.001	L.001
MIN		L.001	L.02	L.002	L.001	L.001	L.001

DATE	TIME	18020L p,p-DDE (UG/L)	18030L p,p-MET (UG/L)	18040L HEPTACHL (UG/L)	18045L HEPT EPX (UG/L)	18050L A-ENDO (UG/L)	18055L B-ENDO (UG/L)
89-06-07	0900	——	——	——	——	——	——
89-06-07	0901	L.001	L.01	L.001	L.001	L.01	L.01
89-06-07	0902	——	——	——	——	——	——
89-06-07	0903	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	1120	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	1121	——	——	——	——	——	——
89-10-04	1122	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	1123	——	——	——	——	——	——
MAX		L.001	L.01	L.001	L.001	L.01	L.01
MIN		L.001	L.01	L.001	L.001	L.01	L.01

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CB0126 PEI MUNICIPAL SUPPLY - SUMMERSIDE #4

DATE	TIME	18060L A-CHLOR (UG/L)	18065L G-CHLOR (UG/L)	18070L G-BHC (UG/L)	18075L A-BHC (UG/L)	18125L MIREX (UG/L)	18130L ALDRIN (UG/L)
89-06-07	0900	——	——	——	——	——	——
89-06-07	0901	L.005	L.005	L.001	L.001	L.001	L.001
89-06-07	0902	——	——	——	——	——	——
89-06-07	0903	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	1120	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	1121	——	——	——	——	——	——
89-10-04	1122	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	1123	——	——	——	——	——	——
MAX		L.005	L.005	L.001	L.001	L.001	L.001
MIN		L.005	L.005	L.001	L.001	L.001	L.001

DATE	TIME	18140L ENDRIN (UG/L)	18150L DIELDRIN (UG/L)	18164L PCB s (UG/L)	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)
89-06-07	0900	——	——	——	——	——	——
89-06-07	0901	L.01	L.001	L.005	L.02	L.02	L.02
89-06-07	0902	——	——	——	——	——	——
89-06-07	0903	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	1120	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	1121	——	——	——	——	——	——
89-10-04	1122	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	1123	——	——	——	——	——	——
MAX		L.01	L.001	L.005	L.02	L.02	L.02
MIN		L.01	L.001	L.005	L.02	L.02	L.02

DATE	TIME	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)
89-06-07	0900	——	——	——	——	——	——
89-06-07	0901	L.004	L.004	L.004	L.002	L.002	L.002
89-06-07	0902	——	——	——	——	——	——
89-06-07	0903	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	1120	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	1121	——	——	——	——	——	——
89-10-04	1122	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	1123	——	——	——	——	——	——
MAX		L.004	L.004	L.004	L.002	L.002	L.002
MIN		L.004	L.004	L.004	L.002	L.002	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CB0126 PEI MUNICIPAL SUPPLY - SUMMERSIDE #4 PAGE 4

DATE	TIME	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L F1 (UG/L)	18901L B(b)F1 (UG/L)	18903L B(k)F1 (UG/L)	18900L B(a)P (UG/L)
89-06-07	0900	——	——	——	——	——	——
89-06-07	0901	L.002	L.002	.003	L.0002	L.0002	L.0002
89-06-07	0902	——	——	——	——	——	——
89-06-07	0903	L.002	L.002	L.001	L.0002	L.0002	L.0002
89-10-04	1120	L.002	L.002	L.001	L.0002	L.0001	L.0002
89-10-04	1121	——	——	——	——	——	——
89-10-04	1122	L.002	L.002	L.001	L.0002	L.0001	L.0002
89-10-04	1123	——	——	——	——	——	——
MAX		L.002	L.002	.003	L.0002	L.0001	L.0002
MIN		L.002	L.002	L.001	L.0002	L.0001	L.0002

DATE	TIME	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)
89-06-07	0900	——	——	——	——	——	——
89-06-07	0901	L.002	L.002	L.002	L.005	L.001	L.01
89-06-07	0902	——	——	——	——	——	——
89-06-07	0903	L.002	L.002	L.002	L.005	L.001	L.01
89-10-04	1120	L.002	L.002	L.008	L.01	L.005	L.01
89-10-04	1121	——	——	——	——	——	——
89-10-04	1122	L.002	L.002	L.008	L.01	L.005	L.01
89-10-04	1123	——	——	——	——	——	——
MAX		L.002	L.002	L.008	L.01	L.005	L.01
MIN		L.002	L.002	L.008	L.01	L.005	L.01

DATE	TIME	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)
89-06-07	0900	——	——	——	——	——	——
89-06-07	0901	.001	L.001	L.001	L.001	.002	L.001
89-06-07	0902	——	——	——	——	——	——
89-06-07	0903	.001	L.001	L.001	L.001	L.002	L.001
89-10-04	1120	L.002	L.002	L.002	L.002	L.01	L.008
89-10-04	1121	——	——	——	——	——	——
89-10-04	1122	L.002	L.002	L.002	L.002	L.01	L.008
89-10-04	1123	——	——	——	——	——	——
MAX		.001	L.002	L.002	L.002	.002	L.008
MIN		L.002	L.002	L.002	L.002	L.01	L.008

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CB0126 PEI MUNICIPAL SUPPLY - SUMMERSIDE #4 PAGE 5

DATE	TIME	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)	18260L RONNEL (UG/L)	17704L 2-6-DCP (UG/L)	17703L 2-5-DCP (UG/L)
89-06-07	0900	——	——	——	——	——	——
89-06-07	0901	L.001	L.001	L.001	L.001	L.03	L.02
89-06-07	0902	——	——	——	——	——	——
89-06-07	0903	L.001	L.001	L.001	L.001	L.03	L.02
89-10-04	1120	L.002	L.002	L.004	L.002	L.03	L.02
89-10-04	1121	——	——	——	——	——	——
89-10-04	1122	L.002	L.002	L.004	L.002	L.03	L.02
89-10-04	1123	——	——	——	——	——	——
MAX		L.002	L.002	L.004	L.002	L.03	L.02
MIN		L.002	L.002	L.004	L.002	L.03	L.02

DATE	TIME	17702L 2-4-DCP (UG/L)	17706L 3-5-DCP (UG/L)	17701L 2-3-DCP (UG/L)	17705L 3-4-DCP (UG/L)	17713L 2-4-6TCP (UG/L)	17712L 2-3-6TCP (UG/L)
89-06-07	0900	——	——	——	——	——	——
89-06-07	0901	L.02	L.04	L.03	L.04	L.03	L.01
89-06-07	0902	——	——	——	——	——	——
89-06-07	0903	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	1120	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	1121	——	——	——	——	——	——
89-10-04	1122	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	1123	——	——	——	——	——	——
MAX		L.02	L.04	L.03	L.04	L.03	L.01
MIN		L.02	L.04	L.03	L.04	L.03	L.01

DATE	TIME	17711L 2-3-5TCP (UG/L)	17710L 2-3-4TCP (UG/L)	17715L 3-4-5TCP (UG/L)	17721L 2356 TECP (UG/L)	17720L 2345 TCP (UG/L)	17804L PCP (UG/L)
89-06-07	0900	——	——	——	——	——	——
89-06-07	0901	L.01	L.02	L.02	L.005	L.005	L.002
89-06-07	0902	——	——	——	——	——	——
89-06-07	0903	L.01	L.02	L.02	L.005	L.005	L.001
89-10-04	1120	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	1121	——	——	——	——	——	——
89-10-04	1122	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	1123	——	——	——	——	——	——
MAX		L.01	L.02	L.02	L.005	L.005	L.002
MIN		L.01	L.02	L.02	L.005	L.005	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CB0126 PEI MUNICIPAL SUPPLY - SUMMERSIDE #4 PAGE 6

DATE	TIME	89290L ALDICARB (UG/L)	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)	26304L IRON (MG/L)
89-06-07	0900	——	——	——	——	——	——
89-06-07	0901	L.05	L.05	L.05	L.05	L.05	——
89-06-07	0902	——	——	——	——	——	——
89-06-07	0903	L.05	L.05	L.05	L.05	L.05	——
89-10-04	1120	L.05	L.05	L.05	L.05	L.05	——
89-10-04	1121	——	——	——	——	——	.10
89-10-04	1122	L.05	L.05	L.05	L.05	L.05	——
89-10-04	1123	——	——	——	——	——	.08
MAX		L.05	L.05	L.05	L.05	L.05	.10
MIN		L.05	L.05	L.05	L.05	L.05	.08

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CB0125 PEI MUNICIPAL SUPPLY - SUMMERSIDE #10 PAGE 1

DATE	TIME	02011L COLOR (UNITS)	02041L SP COND (USIE/CM)	02073L TURB (JTU)	10301L pH (UNITS)	10101L T ALK (MG/L)	20110L Ca (MG/L)
89-06-07	0830	L5.	469.	.2	7.7	174.3	83.
89-06-07	0831	——	——	——	——	——	——
89-06-07	0832	L5.	473.	.3	7.5	176.1	81.
89-06-07	0833	——	——	——	——	——	——
89-10-04	1150	——	——	——	——	——	——
89-10-04	1151	L5.	411.	.2	7.8	177.4	73.
89-10-04	1152	——	——	——	——	——	——
89-10-04	1153	L5.	442.	.1	7.7	172.7	72.
MAX		L5.	473.	.3	7.8	177.4	83.
MIN		L5.	411.	.1	7.5	172.7	72.

DATE	TIME	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)	16304L SO4 (MG/L)	16309L SO4 (MG/L)
89-06-07	0830	1.9	13.9	.96	29.	15.4	15.1
89-06-07	0831	——	——	——	——	——	——
89-06-07	0832	1.9	12.6	1.0	29.	15.2	15.2
89-06-07	0833	——	——	——	——	——	——
89-10-04	1150	——	——	——	——	——	——
89-10-04	1151	2.1	13.2	.90	33.	**TC**	14.9
89-10-04	1152	——	——	——	——	——	——
89-10-04	1153	1.7	13.7	.87	38.	**TC**	15.2
MAX		2.1	13.9	1.0	38.	15.4	15.2
MIN		1.7	12.6	.87	29.	15.2	14.9

DATE	TIME	07110L NO3 NO2 (MG/L)	06107L DOC (MG/L)	14102L Si (MG/L)	09105L FLUORIDE (MG/L)	13305L Al (MG/L)	24004L Cr (MG/L)
89-06-07	0830	2.8	L.5	12.6	L.05	L.010	.0006
89-06-07	0831	——	——	——	——	——	——
89-06-07	0832	2.7	L.5	12.6	L.05	L.010	.0006
89-06-07	0833	——	——	——	——	——	——
89-10-04	1150	——	——	——	——	——	——
89-10-04	1151	1.8	L.5	11.5	L.05	L.010	.0006
89-10-04	1152	——	——	——	——	——	——
89-10-04	1153	1.8	.6	11.4	L.05	L.010	.0005
MAX		2.8	.6	12.6	L.05	L.010	.0006
MIN		1.8	L.5	11.4	L.05	L.010	.0005

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CB0125 PEI MUNICIPAL SUPPLY - SUMMERSIDE #10

DATE	TIME	25304L Mn (MG/L)	26305L IRON (MG/L)	28302L NICKEL (MG/L)	29305L COPPER (MG/L)	30304L ZINC (MG/L)	33007L ARSENIC (MG/L)
89-06-07	0830	L.01	.015	L.002	L.002	.01	L.0005
89-06-07	0831	——	——	——	——	——	——
89-06-07	0832	L.01	.013	L.002	L.002	L.01	L.0005
89-06-07	0833	——	——	——	——	——	——
89-10-04	1150	——	——	——	——	——	——
89-10-04	1151	L.010	.027	L.002	.002	L.01	L.0005
89-10-04	1152	——	——	——	——	——	——
89-10-04	1153	L.010	.014	L.002	L.002	L.01	L.0005
MAX		L.010	.027	L.002	.002	.01	L.0005
MIN		L.010	.013	L.002	L.002	L.01	L.0005

DATE	TIME	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)	82302L LEAD (MG/L)	18000L p,p-DDT (UG/L)	18005L o,p-DDT (UG/L)	18010L p,p-DDD (UG/L)
89-06-07	0830	L.001	L.02	L.002	——	——	——
89-06-07	0831	——	——	——	L.001	L.001	L.001
89-06-07	0832	L.001	L.02	L.002	——	——	——
89-06-07	0833	——	——	——	L.001	L.001	L.001
89-10-04	1150	——	——	——	L.001	L.001	L.001
89-10-04	1151	L.001	L.02	L.002	——	——	——
89-10-04	1152	——	——	——	L.001	L.001	L.001
89-10-04	1153	L.001	L.02	L.002	——	——	——
MAX		L.001	L.02	L.002	L.001	L.001	L.001
MIN		L.001	L.02	L.002	L.001	L.001	L.001

DATE	TIME	18020L p,p-DDE (UG/L)	18030L p,p-MET (UG/L)	18040L HEPTACHL (UG/L)	18045L HEPT EPX (UG/L)	18050L A-ENDO (UG/L)	18055L B-ENDO (UG/L)
89-06-07	0830	——	——	——	——	——	——
89-06-07	0831	L.001	L.01	L.001	L.001	L.01	L.01
89-06-07	0832	——	——	——	——	——	——
89-06-07	0833	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	1150	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	1151	——	——	——	——	——	——
89-10-04	1152	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	1153	——	——	——	——	——	——
MAX		L.001	L.01	L.001	L.001	L.01	L.01
MIN		L.001	L.01	L.001	L.001	L.01	L.01

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CB0125 PEI MUNICIPAL SUPPLY - SUMMERSIDE #10 PAGE 3

DATE	TIME	18060L A-CHLOR (UG/L)	18065L G-CHLOR (UG/L)	18070L G-BHC (UG/L)	18075L A-BHC (UG/L)	18125L MIREX (UG/L)	18130L ALDRIN (UG/L)
89-06-07	0830	----	----	----	----	----	----
89-06-07	0831	L.005	L.005	L.001	L.001	L.001	L.001
89-06-07	0832	----	----	----	----	----	----
89-06-07	0833	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	1150	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	1151	----	----	----	----	----	----
89-10-04	1152	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	1153	----	----	----	----	----	----
MAX		L.005	L.005	L.001	L.001	L.001	L.001
MIN		L.005	L.005	L.001	L.001	L.001	L.001

DATE	TIME	18140L ENDRIN (UG/L)	18150L DIELDRIN (UG/L)	18164L PCB s (UG/L)	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)
89-06-07	0830	----	----	----	----	----	----
89-06-07	0831	L.01	L.001	L.005	L.02	L.02	L.02
89-06-07	0832	----	----	----	----	----	----
89-06-07	0833	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	1150	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	1151	----	----	----	----	----	----
89-10-04	1152	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	1153	----	----	----	----	----	----
MAX		L.01	L.001	L.005	L.02	L.02	L.02
MIN		L.01	L.001	L.005	L.02	L.02	L.02

DATE	TIME	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)
89-06-07	0830	----	----	----	----	----	----
89-06-07	0831	L.004	L.004	L.004	L.002	L.002	L.002
89-06-07	0832	----	----	----	----	----	----
89-06-07	0833	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	1150	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	1151	----	----	----	----	----	----
89-10-04	1152	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	1153	----	----	----	----	----	----
MAX		L.004	L.004	L.004	L.002	L.002	L.002
MIN		L.004	L.004	L.004	L.002	L.002	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CB0125 PEI MUNICIPAL SUPPLY - SUMMERSIDE #10

DATE	TIME	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L F1 (UG/L)	18901L B(b)F1 (UG/L)	18903L B(k)F1 (UG/L)	18900L B(a)P (UG/L)
89-06-07	0830	——	——	——	——	——	——
89-06-07	0831	L.002	L.002	L.001	L.0002	L.0002	L.0002
89-06-07	0832	——	——	——	——	——	——
89-06-07	0833	L.002	L.002	L.001	L.0002	L.0002	L.0002
89-10-04	1150	L.002	L.002	.008	L.0002	L.0001	L.0002
89-10-04	1151	——	——	——	——	——	——
89-10-04	1152	L.002	L.002	.008	L.0002	.0002	L.0002
89-10-04	1153	——	——	——	——	——	——
MAX		L.002	L.002	.008	L.0002	.0002	L.0002
MIN		L.002	L.002	L.001	L.0002	L.0001	L.0002

DATE	TIME	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)
89-06-07	0830	——	——	——	——	——	——
89-06-07	0831	L.002	L.002	L.002	L.005	L.001	L.01
89-06-07	0832	——	——	——	——	——	——
89-06-07	0833	L.002	L.002	L.002	L.005	L.001	L.01
89-10-04	1150	L.002	L.002	L.008	L.01	L.005	L.01
89-10-04	1151	——	——	——	——	——	——
89-10-04	1152	L.002	L.002	L.008	L.01	L.005	L.01
89-10-04	1153	——	——	——	——	——	——
MAX		L.002	L.002	L.008	L.01	L.005	L.01
MIN		L.002	L.002	L.008	L.01	L.005	L.01

DATE	TIME	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)
89-06-07	0830	——	——	——	——	——	——
89-06-07	0831	.001	L.001	L.001	L.001	.004	L.001
89-06-07	0832	——	——	——	——	——	——
89-06-07	0833	.001	L.001	L.001	L.001	L.002	L.001
89-10-04	1150	L.002	L.002	L.002	L.002	L.01	L.008
89-10-04	1151	——	——	——	——	——	——
89-10-04	1152	L.002	L.002	L.002	L.002	L.01	L.008
89-10-04	1153	——	——	——	——	——	——
MAX		.001	L.002	L.002	L.002	.004	L.008
MIN		L.002	L.002	L.002	L.002	L.01	L.008

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CB0125 PEI MUNICIPAL SUPPLY - SUMMERSIDE #10 PAGE 5

DATE	TIME	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)	18260L RONNEL (UG/L)	17704L 2-6-DCP (UG/L)	17703L 2-5-DCP (UG/L)
89-06-07	0830	----	----	----	----	----	----
89-06-07	0831	L.001	L.001	L.001	L.001	L.03	L.02
89-06-07	0832	----	----	----	----	----	----
89-06-07	0833	L.001	L.001	L.001	L.001	L.03	L.02
89-10-04	1150	L.002	L.002	L.004	L.002	L.03	L.02
89-10-04	1151	----	----	----	----	----	----
89-10-04	1152	L.002	L.002	L.004	L.002	L.03	L.02
89-10-04	1153	----	----	----	----	----	----
MAX		L.002	L.002	L.004	L.002	L.03	L.02
MIN		L.002	L.002	L.004	L.002	L.03	L.02

DATE	TIME	17702L 2-4-DCP (UG/L)	17706L 3-5-DCP (UG/L)	17701L 2-3-DCP (UG/L)	17705L 3-4-DCP (UG/L)	17713L 2-4-6TCP (UG/L)	17712L 2-3-6TCP (UG/L)
89-06-07	0830	----	----	----	----	----	----
89-06-07	0831	L.02	L.04	L.03	L.04	L.03	L.01
89-06-07	0832	----	----	----	----	----	----
89-06-07	0833	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	1150	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	1151	----	----	----	----	----	----
89-10-04	1152	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	1153	----	----	----	----	----	----
MAX		L.02	L.04	L.03	L.04	L.03	L.01
MIN		L.02	L.04	L.03	L.04	L.03	L.01

DATE	TIME	17711L 2-3-5TCP (UG/L)	17710L 2-3-4TCP (UG/L)	17715L 3-4-5TCP (UG/L)	17721L 2356 TECP (UG/L)	17720L 2345 TCP (UG/L)	17804L PCP (UG/L)
89-06-07	0830	----	----	----	----	----	----
89-06-07	0831	L.01	L.02	L.02	L.005	L.005	L.002
89-06-07	0832	----	----	----	----	----	----
89-06-07	0833	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	1150	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	1151	----	----	----	----	----	----
89-10-04	1152	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	1153	----	----	----	----	----	----
MAX		L.01	L.02	L.02	L.005	L.005	L.002
MIN		L.01	L.02	L.02	L.005	L.005	L.002

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER-- 10PE01CB0125 PEI MUNICIPAL SUPPLY - SUMMERSIDE #10 PAGE 6

DATE	TIME	89290L ALDICARB (UG/L)	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)
89-06-07	0830	----	----	----	----	----
89-06-07	0831	L.05	L.05	L.05	L.05	L.05
89-06-07	0832	----	----	----	----	----
89-06-07	0833	L.05	L.05	L.05	L.05	L.05
89-10-04	1150	L.05	L.05	L.05	L.05	L.05
89-10-04	1151	----	----	----	----	----
89-10-04	1152	L.05	L.05	L.05	L.05	L.05
89-10-04	1153	----	----	----	----	----
MAX		L.05	L.05	L.05	L.05	L.05
MIN		L.05	L.05	L.05	L.05	L.05

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CA0033 TIGNISH WATER SUPPLY WELL #1 PAGE 1

DATE	TIME	20110L Ca (MG/L)	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)	16309L SO4 (MG/L)
91-06-05	1201	——	——	——	——	——	——
91-06-05	1202	33.	3.8	10.6	.96	15.0	14.0
91-06-05	1203	33.	3.9	10.6	.96	15.0	14.0
91-06-05	1205	——	——	——	——	——	——
91-09-24	1435	33.	3.9	10.6	.83	17.	13.1
91-09-24	1440	33.	3.9	10.7	.94	18.	14.
MAX		33.	3.9	10.7	.96	18.	14.0
MIN		33.	3.8	10.6	.83	15.0	13.1

DATE	TIME	07315L NO3 (MG/L)	06107L DOC (MG/L)	09105L FLUORIDE (MG/L)	13305L Al (MG/L)	24004L Cr (MG/L)	25304L Mn (MG/L)
91-06-05	1201	——	——	——	——	——	——
91-06-05	1202	1.65	L.5	L.05	L.010	.0003	L.010
91-06-05	1203	1.65	L.5	L.05	L.010	.0003	L.010
91-06-05	1205	——	——	——	——	——	——
91-09-24	1435	1.7	L.5	L.05	L.010	.0003	L.010
91-09-24	1440	1.7	.5	L.05	L.010	.0003	L.010
MAX		1.7	.5	L.05	L.010	.0003	L.010
MIN		1.65	L.5	L.05	L.010	.0003	L.010

DATE	TIME	26305L IRON (MG/L)	28302L NICKEL (MG/L)	29305L COPPER (MG/L)	30304L ZINC (MG/L)	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)
91-06-05	1201	——	——	——	——	——	——
91-06-05	1202	.009	L.002	L.002	.10	L.001	L.02
91-06-05	1203	.006	L.002	L.002	.09	L.001	L.02
91-06-05	1205	——	——	——	——	——	——
91-09-24	1435	.005	L.002	L.002	.03	L.001	L.02
91-09-24	1440	.005	L.002	L.002	.02	L.001	L.02
MAX		.009	L.002	L.002	.10	L.001	L.02
MIN		.005	L.002	L.002	.02	L.001	L.02

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CA0033 TIGNISH WATER SUPPLY WELL #1

DATE	TIME	82302L LEAD (MG/L)	02011L COLOR (UNITS)	02041L SP COND (USIE/CM)	02073L TURB (JTU)	10301L pH (UNITS)	10110L GRAN ALK (MG/L)
91-06-05	1201	——	——	——	——	——	——
91-06-05	1202	L.002	L5.	226.	.2	7.9	79.5
91-06-05	1203	L.002	L5.	224.	.2	7.9	78.9
91-06-05	1205	——	——	——	——	——	——
91-09-24	1435	L.002	L5.	240.	.2	8.1	80.6
91-09-24	1440	L.002	10.	240.	.2	8.0	80.3
MAX		L.002	10.	240.	.2	8.1	80.6
MIN		L.002	L5.	224.	.2	7.9	78.9

DATE	TIME	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)
91-06-05	1201	L.02	**CO**	L.02	L.02	L.01	L.01
91-06-05	1202	——	——	——	——	——	——
91-06-05	1203	——	——	——	——	——	——
91-06-05	1205	L.02	**CO**	L.02	L.02	L.01	L.01
91-09-24	1435	——	——	——	——	——	——
91-09-24	1440	——	——	——	——	——	——
MAX		L.02	——	L.02	L.02	L.01	L.01
MIN		L.02	——	L.02	L.02	L.01	L.01

DATE	TIME	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L F1 (UG/L)
91-06-05	1201	L.01	L.01	L.01	L.01	L.01	.003
91-06-05	1202	——	——	——	——	——	——
91-06-05	1203	——	——	——	——	——	——
91-06-05	1205	L.01	L.01	L.01	L.01	L.01	L.001
91-09-24	1435	——	——	——	——	——	——
91-09-24	1440	——	——	——	——	——	——
MAX		L.01	L.01	L.01	L.01	L.01	.003
MIN		L.01	L.01	L.01	L.01	L.01	L.001

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CA0033 TIGNISH WATER SUPPLY WELL #1 PAGE 3

DATE	TIME	18901L B(b)Fl (UG/L)	18903L B(k)Fl (UG/L)	18900L B(a)P (UG/L)	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)
91-06-05	1201	L.0004	L.0003	L.0003	L.002	L.002	L.001
91-06-05	1202	——	——	——	——	——	——
91-06-05	1203	——	——	——	——	——	——
91-06-05	1205	L.0004	L.0003	L.0003	L.002	L.002	L.001
91-09-24	1435	——	——	——	——	——	——
91-09-24	1440	——	——	——	——	——	——
MAX		L.0004	L.0003	L.0003	L.002	L.002	L.001
MIN		L.0004	L.0003	L.0003	L.002	L.002	L.001

DATE	TIME	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)
91-06-05	1201	L.001	L.001	L.001	L.001	L.001	L.001
91-06-05	1202	——	——	——	——	——	——
91-06-05	1203	——	——	——	——	——	——
91-06-05	1205	L.001	L.001	L.001	L.001	L.001	L.001
91-09-24	1435	——	——	——	——	——	——
91-09-24	1440	——	——	——	——	——	——
MAX		L.001	L.001	L.001	L.001	L.001	L.001
MIN		L.001	L.001	L.001	L.001	L.001	L.001

DATE	TIME	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)
91-06-05	1201	L.001	L.001	L.001	L.001	L.001	L.001
91-06-05	1202	——	——	——	——	——	——
91-06-05	1203	——	——	——	——	——	——
91-06-05	1205	L.001	L.001	L.001	L.001	L.001	L.001
91-09-24	1435	——	——	——	——	——	——
91-09-24	1440	——	——	——	——	——	——
MAX		L.001	L.001	L.001	L.001	L.001	L.001
MIN		L.001	L.001	L.001	L.001	L.001	L.001

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CA0033 TIGNISH WATER SUPPLY WELL #1 PAGE 4

DATE	TIME	18260L RONNEL (UG/L)	00073L METRIBUZINE (UG/L)	00072L ATRAZINE (UG/L)	00070L DES-ATRA (UG/L)	00071L SIMAZINE (UG/L)	89290L ALDICARB (UG/L)
91-06-05	1201	L.001	L.004	L.002	L.002	L.004	L.1
91-06-05	1202	——	——	——	——	——	——
91-06-05	1203	——	——	——	——	——	——
91-06-05	1205	L.001	L.004	L.002	L.002	L.004	L.1
91-09-24	1435	——	——	——	——	——	——
91-09-24	1440	——	——	——	——	——	——
MAX		L.001	L.004	L.002	L.002	L.004	L.1
MIN		L.001	L.004	L.002	L.002	L.004	L.1

DATE	TIME	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)	33007L ARSENIC (MG/L)
91-06-05	1201	L.2	L.2	L.1	L.1	——
91-06-05	1202	——	——	——	——	——
91-06-05	1203	——	——	——	——	——
91-06-05	1205	L.2	L.2	L.1	L.1	——
91-09-24	1435	——	——	——	——	.0027
91-09-24	1440	——	——	——	——	.0027
MAX		L.2	L.2	L.1	L.1	.0027
MIN		L.2	L.2	L.1	L.1	.0027

ENVIRONMENT CANADA
MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

STATION NUMBER— 10PE01CB0124 PEI MUNICIPAL SUPPLY - VICTORIA #1 PAGE 1

DATE	TIME	02011L COLOR (UNITS)	02041L SP COND (USIE/CM)	02073L TURB (JTU)	10301L pH (UNITS)	10101L T ALK (MG/L)	20110L Ca (MG/L)
89-06-06	1505	L5.	242.	.2	7.3	69.3	33.
89-06-06	1506	——	——	——	——	——	——
89-06-06	1507	L5.	244.	.3	7.3	69.9	32.
89-06-06	1508	——	——	——	——	——	——
89-10-04	1025	——	——	——	——	——	——
89-10-04	1026	L5.	274.	.2	7.4	84.4	35.
89-10-04	1027	——	——	——	——	——	——
89-10-04	1028	L5.	273.	.2	7.4	84.2	36.
MAX		L5.	274.	.3	7.4	84.4	36.
MIN		L5.	242.	.2	7.3	69.3	32.

DATE	TIME	12107L Mg (MG/L)	11103L Na (MG/L)	19103L K (MG/L)	17209L Cl (MG/L)	16304L SO4 (MG/L)	16309L SO4 (MG/L)
89-06-06	1505	3.9	9.3	1.1	12.7	8.1	7.9
89-06-06	1506	——	——	——	——	——	——
89-06-06	1507	3.8	9.5	1.1	12.6	8.9	8.5
89-06-06	1508	——	——	——	——	——	——
89-10-04	1025	——	——	——	——	——	——
89-10-04	1026	4.1	9.2	1.1	13.2	**TC**	9.0
89-10-04	1027	——	——	——	——	——	——
89-10-04	1028	4.3	9.3	1.1	13.1	**TC**	8.9
MAX		4.3	9.5	1.1	13.2	8.9	9.0
MIN		3.8	9.2	1.1	12.6	8.1	7.9

DATE	TIME	07110L NO3 NO2 (MG/L)	06107L DOC (MG/L)	14102L Si (MG/L)	09105L FLUORIDE (MG/L)	13305L Al (MG/L)	24004L Cr (MG/L)
89-06-06	1505	5.9	L.5	10.1	L.05	L.010	.0003
89-06-06	1506	——	——	——	——	——	——
89-06-06	1507	5.8	L.5	10.1	L.05	L.010	.0002
89-06-06	1508	——	——	——	——	——	——
89-10-04	1025	——	——	——	——	——	——
89-10-04	1026	5.5	.6	9.7	.05	L.010	.0003
89-10-04	1027	——	——	——	——	——	——
89-10-04	1028	5.6	.6	9.7	.05	L.010	.0003
MAX		5.9	.6	10.1	.05	L.010	.0003
MIN		5.5	L.5	9.7	L.05	L.010	.0002

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DATE	TIME	25304L Mn (MG/L)	26305L IRON (MG/L)	28302L NICKEL (MG/L)	29305L COPPER (MG/L)	30304L ZINC (MG/L)	33007L ARSENIC (MG/L)
89-06-06	1505	L.01	.010	.002	.002	.44	.0005
89-06-06	1506	——	——	——	——	——	——
89-06-06	1507	L.01	.010	L.002	.003	.45	.0005
89-06-06	1508	——	——	——	——	——	——
89-10-04	1025	——	——	——	——	——	——
89-10-04	1026	L.010	.05	L.002	.009	.42	L.0005
89-10-04	1027	——	——	——	——	——	——
89-10-04	1028	L.010	——	L.002	.004	.32	L.0005
MAX		L.010	.05	.002	.009	.45	.0005
MIN		L.010	.010	L.002	.002	.32	L.0005

DATE	TIME	48302L CADMIUM (MG/L)	80315L MERCURY (UG/L)	82302L LEAD (MG/L)	18000L p,p-DDT (UG/L)	18005L o,p-DDT (UG/L)	18010L p,p-DDD (UG/L)
89-06-06	1505	L.001	L.02	.003	——	——	——
89-06-06	1506	——	——	——	L.001	L.001	L.001
89-06-06	1507	L.001	L.02	.003	——	——	——
89-06-06	1508	——	——	——	L.001	L.001	L.001
89-10-04	1025	——	——	——	L.001	L.001	L.001
89-10-04	1026	L.001	L.02	.013	——	——	——
89-10-04	1027	——	——	——	L.001	L.001	L.001
89-10-04	1028	L.001	L.02	.006	——	——	——
MAX		L.001	L.02	.013	L.001	L.001	L.001
MIN		L.001	L.02	.003	L.001	L.001	L.001

DATE	TIME	18020L p,p-DDE (UG/L)	18030L p,p-MET (UG/L)	18040L HEPTACHL (UG/L)	18045L HEPT EPX (UG/L)	18050L A-ENDO (UG/L)	18055L B-ENDO (UG/L)
89-06-06	1505	——	——	——	——	——	——
89-06-06	1506	L.001	L.01	L.001	L.001	L.01	L.01
89-06-06	1507	——	——	——	——	——	——
89-06-06	1508	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	1025	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	1026	——	——	——	——	——	——
89-10-04	1027	L.001	L.01	L.001	L.001	L.01	L.01
89-10-04	1028	——	——	——	——	——	——
MAX		L.001	L.01	L.001	L.001	L.01	L.01
MIN		L.001	L.01	L.001	L.001	L.01	L.01

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DATE	TIME	18060L A-CHLOR (UG/L)	18065L G-CHLOR (UG/L)	18070L G-BHC (UG/L)	18075L A-BHC (UG/L)	18125L MIREX (UG/L)	18130L ALDRIN (UG/L)
89-06-06	1505	----	----	----	----	----	----
89-06-06	1506	L.005	L.005	L.001	L.001	L.001	L.001
89-06-06	1507	----	----	----	----	----	----
89-06-06	1508	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	1025	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	1026	----	----	----	----	----	----
89-10-04	1027	L.005	L.005	L.001	L.001	L.001	L.001
89-10-04	1028	----	----	----	----	----	----
MAX		L.005	L.005	L.001	L.001	L.001	L.001
MIN		L.005	L.005	L.001	L.001	L.001	L.001

DATE	TIME	18140L ENDRIN (UG/L)	18150L DIELDRIN (UG/L)	18164L PCB s (UG/L)	17820L 1,3DCB (UG/L)	17821L 1,4DCB (UG/L)	17822L 1,2DCB (UG/L)
89-06-06	1505	----	----	----	----	----	----
89-06-06	1506	L.01	L.001	L.005	L.02	L.02	L.02
89-06-06	1507	----	----	----	----	----	----
89-06-06	1508	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	1025	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	1026	----	----	----	----	----	----
89-10-04	1027	L.01	L.001	L.005	L.02	L.02	L.02
89-10-04	1028	----	----	----	----	----	----
MAX		L.01	L.001	L.005	L.02	L.02	L.02
MIN		L.01	L.001	L.005	L.02	L.02	L.02

DATE	TIME	17830L 1,3,5TCB (UG/L)	17831L 1,2,4TCB (UG/L)	17832L 1,2,3TCB (UG/L)	17840L 1235 TECB (UG/L)	17841L 1245 TECB (UG/L)	17842L 1234 TECB (UG/L)
89-06-06	1505	----	----	----	----	----	----
89-06-06	1506	L.004	L.004	L.004	L.002	L.002	L.002
89-06-06	1507	----	----	----	----	----	----
89-06-06	1508	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	1025	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	1026	----	----	----	----	----	----
89-10-04	1027	L.004	L.004	L.004	L.002	L.002	L.002
89-10-04	1028	----	----	----	----	----	----
MAX		L.004	L.004	L.004	L.002	L.002	L.002
MIN		L.004	L.004	L.004	L.002	L.002	L.002

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MONITORING AND EVALUATION BRANCH
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STATION NUMBER-- 10PE01CB0124 PEI MUNICIPAL SUPPLY - VICTORIA #1 PAGE 4

DATE	TIME	17850L PENTA (UG/L)	17812L HCB (UG/L)	18904L Fl (UG/L)	18901L B(b)Fl (UG/L)	18903L B(k)Fl (UG/L)	18900L B(a)P (UG/L)
89-06-06	1505	——	——	——	——	——	——
89-06-06	1506	L.002	L.002	.003	L.0002	L.0002	L.0002
89-06-06	1507	——	——	——	——	——	——
89-06-06	1508	L.002	L.002	L.001	L.0002	L.0002	L.0002
89-10-04	1025	L.002	L.002	.008	L.0002	L.0001	L.0002
89-10-04	1026	——	——	——	——	——	——
89-10-04	1027	L.002	L.002	.007	L.0002	L.0001	L.0002
89-10-04	1028	——	——	——	——	——	——
MAX		L.002	L.002	.008	L.0002	L.0001	L.0002
MIN		L.002	L.002	L.001	L.0002	L.0001	L.0002

DATE	TIME	18905L INDENO (UG/L)	18902L B(ghi)Pe (UG/L)	18195L AZIN-ETH (UG/L)	18190L GUTHION (UG/L)	18320L TRITHON (UG/L)	18230L RUELENE (UG/L)
89-06-06	1505	——	——	——	——	——	——
89-06-06	1506	L.002	L.002	L.002	L.005	L.001	L.01
89-06-06	1507	——	——	——	——	——	——
89-06-06	1508	L.002	L.002	L.002	L.005	L.001	L.01
89-10-04	1025	L.002	L.002	L.008	L.01	L.005	L.01
89-10-04	1026	——	——	——	——	——	——
89-10-04	1027	L.002	L.002	L.008	L.01	L.005	L.01
89-10-04	1028	——	——	——	——	——	——
MAX		L.002	L.002	L.008	L.01	L.005	L.01
MIN		L.002	L.002	L.008	L.01	L.005	L.01

DATE	TIME	18270L DIAZINON (UG/L)	18215L DISYSTON (UG/L)	18310L ETHION (UG/L)	18330L FENITRO (UG/L)	18205L IMIDAN (UG/L)	18250L MALATHI (UG/L)
89-06-06	1505	——	——	——	——	——	——
89-06-06	1506	.001	.008	L.001	L.001	L.002	L.001
89-06-06	1507	——	——	——	——	——	——
89-06-06	1508	.001	.007	L.001	L.001	L.002	L.001
89-10-04	1025	L.002	L.002	L.002	L.002	L.01	L.008
89-10-04	1026	——	——	——	——	——	——
89-10-04	1027	L.002	L.002	L.002	L.002	L.01	L.008
89-10-04	1028	——	——	——	——	——	——
MAX		.001	.008	L.002	L.002	L.01	L.008
MIN		L.002	L.002	L.002	L.002	L.01	L.008

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STATION NUMBER-- 10PE01CB0124 PEI MUNICIPAL SUPPLY - VICTORIA #1 PAGE 5

DATE	TIME	18245L M-PARA (UG/L)	18240L PARATH (UG/L)	18300L PHORATE (UG/L)	18260L RONNEL (UG/L)	17704L 2-6-DCP (UG/L)	17703L 2-5-DCP (UG/L)
89-06-06	1505	----	----	----	----	----	----
89-06-06	1506	L.001	L.001	L.001	L.001	L.03	L.02
89-06-06	1507	----	----	----	----	----	----
89-06-06	1508	L.001	L.001	L.001	L.001	L.03	L.02
89-10-04	1025	L.002	L.002	L.004	L.002	L.03	L.02
89-10-04	1026	----	----	----	----	----	----
89-10-04	1027	L.002	L.002	L.004	L.002	L.03	L.02
89-10-04	1028	----	----	----	----	----	----
MAX		L.002	L.002	L.004	L.002	L.03	L.02
MIN		L.002	L.002	L.004	L.002	L.03	L.02

DATE	TIME	17702L 2-4-DCP (UG/L)	17706L 3-5-DCP (UG/L)	17701L 2-3-DCP (UG/L)	17705L 3-4-DCP (UG/L)	17713L 2-4-6TCP (UG/L)	17712L 2-3-6TCP (UG/L)
89-06-06	1505	----	----	----	----	----	----
89-06-06	1506	L.02	L.04	L.03	L.04	L.03	L.01
89-06-06	1507	----	----	----	----	----	----
89-06-06	1508	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	1025	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	1026	----	----	----	----	----	----
89-10-04	1027	L.02	L.04	L.03	L.04	L.03	L.01
89-10-04	1028	----	----	----	----	----	----
MAX		L.02	L.04	L.03	L.04	L.03	L.01
MIN		L.02	L.04	L.03	L.04	L.03	L.01

DATE	TIME	17711L 2-3-5TCP (UG/L)	17710L 2-3-4TCP (UG/L)	17715L 3-4-5TCP (UG/L)	17721L 2356 TECP (UG/L)	17720L 2345 TCP (UG/L)	17804L PCP (UG/L)
89-06-06	1505	----	----	----	----	----	----
89-06-06	1506	L.01	L.02	L.02	L.005	L.005	L.002
89-06-06	1507	----	----	----	----	----	----
89-06-06	1508	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	1025	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	1026	----	----	----	----	----	----
89-10-04	1027	L.01	L.02	L.02	L.005	L.005	L.002
89-10-04	1028	----	----	----	----	----	----
MAX		L.01	L.02	L.02	L.005	L.005	L.002
MIN		L.01	L.02	L.02	L.005	L.005	L.002

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MONITORING AND EVALUATION BRANCH
MONCTON, N.B.

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DATE	TIME	89290L ALDICARB (UG/L)	89291L ALD OXID (UG/L)	89292L ALD FONE (UG/L)	89307L CARBARYL (UG/L)	89269L CARBOFUR (UG/L)	26304L IRON (MG/L)
89-06-06	1505	——	——	——	——	——	——
89-06-06	1506	L.05	L.05	L.05	L.05	L.05	——
89-06-06	1507	——	——	——	——	——	——
89-06-06	1508	L.05	L.05	L.05	L.05	L.05	——
89-10-04	1025	L.05	L.05	L.05	L.05	L.05	——
89-10-04	1026	——	——	——	——	——	——
89-10-04	1027	L.05	L.05	L.05	L.05	L.05	——
89-10-04	1028	——	——	——	——	——	.05
MAX		L.05	L.05	L.05	L.05	L.05	.05
MIN		L.05	L.05	L.05	L.05	L.05	.05