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WATER
SERVICES CORPORATION

**REPORT ON THE QUALITY OF POTABLE WATER SUPPLIED TO
CONSUMERS THROUGH THE PUBLIC DISTRIBUTION SYSTEM
IN THE MALTESE ISLANDS**

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1.0	SCOPE.....	2
2.0	BACKGROUND.....	2
2.1	SAMPLING PROGRAMME.....	3
2.2	PARAMETERS ANALYSED AND RESULTS	5
2.3	FURTHER INVESTIGATIONS – CHEMICAL PARAMETERS (PART B)	5
2.3.1	<i>Boron</i>	6
2.3.2	<i>Bromate</i>	7
2.3.3	<i>Chromium</i>	8
2.3.4	<i>Cyanide</i>	8
2.3.5	<i>Epichlorohydrin</i>	8
2.3.6	<i>Total PAHs</i>	9
2.4	INDICATOR PARAMETERS (PART C).....	10
2.5	OVERVIEW	11
3.0	OTHER PARAMETERS MONITORED BY THE WSC.....	14
3.1	MICRO-BIOLOGICAL PARAMETERS & RESIDUAL DISINFECTION.....	15
3.2	CHEMICAL PARAMETERS (PART B)	16
3.2.1	<i>Nitrates</i>	16
3.2.2	<i>Fluorides</i>	17
3.3	INDICATOR PARAMETERS (PART C).....	17
3.3.1	<i>Chlorides</i>	17
3.3.2	<i>Conductivity</i>	18
3.3.3	<i>Ammonium</i>	18
3.3.4	<i>pH</i>	19
3.3.5	<i>Sulphates</i>	19
3.3.6	<i>Turbidity</i>	19
3.3.7	<i>Colour, Taste & Odour</i>	19
3.4	OTHER PARAMETERS.....	19
3.4.1	<i>Total hardness</i>	19
3.4.2	<i>Phosphates</i>	20
APPENDIX 1	21
A1.1	<i>Water Supply Zones</i>	21
APPENDIX 2	23
APPENDIX 3	75
REFERENCES	82

1.0 SCOPE

This report describes the quality of potable water supplied in 1999/2000 to consumers through the public distribution system in the Maltese Islands. It highlights the main issues identified in a snapshot study carried out on potable water quality as well as other historical data on water quality and covering those parameters that are routinely monitored and tested by the Corporation.

This report reviews the current potable water quality in Malta with the objectives of:

1. identifying water quality issues and deficiencies particularly for those parameters which currently do not meet international standards for drinking water,
2. serving as a basis for improvement in water quality, and for identification of treatment options and improvement requirements,
3. serving as a basis for reporting drinking water quality in relation to the applicable EU drinking water directives, particularly in line with Malta's application for accession to the EU.

2.0 BACKGROUND

In order to be comprehensive and to attain the objectives noted above, the WSC carried out a snapshot study of the potable water quality over the full range of parameters specified in the EU drinking water Directive 98/83/EC and that are not monitored on a routine basis.¹ Other water quality data which is held by the WSC and which covers parameters monitored on a routine basis by the WSC is also included in the report.

¹ Parameters tested on a routine basis by the WSC include: nitrates, chlorides, conductivity, free chlorine, pH, and microbiological parameters.

2.1 SAMPLING PROGRAMME

A sampling programme for this snapshot study based on the EU directive 98/83/EC was established. Over the past years, sampling practices have been modified. These are being continually updated and amended to move from a source based sampling to consumer based sampling. The sampling programme adopted in this study is consistent with this transition and is described below.

The distribution network was divided into 10 zones with generally uniform water quality. They were established taking into account raw data of water quality for the periods 1996-1999 and with a particular focus on a 1996 study, but with a wider interpretation of uniform water quality. Water quality in these zones is considered to be broadly affected by:

1. Type of water sources i.e. desalination plants, groundwater sources or a blend of the two, or variation in groundwater due to source differences (Mean sea level aquifer vs. perched aquifer), seasonal and climatic factors,
2. General distribution network characteristics and geographical location of supplies.

The sampling programme that was adopted consisted in proportional stratified random sampling, where a number of samples proportional to each size of group are selected randomly.

The water supply zones as identified are outlined in Appendix A1.

Fifty samples were randomly collected from consumers' taps accepting the added complications brought about by differences in the domestic installations.² The fifty

² E.g. samples were collected from kitchen taps, even where this tap was connected to roof tanks.

samples were selected on the basis of the population in each supply zone and taking into account EU minimum sampling requirements.

Testing of samples was carried out at accredited laboratories selected following public calls for tenders as follows:

1. Southern Water Scientific Services (NAMAS accredited) of "*Lewes Road, Falmer, Brighton, East Sussex, UK.*" This laboratory carried out testing for all chemical parameters included in the EU directive except for pesticides and radioactivity and for the repeat testing of bromate and epichlorohydrin. These latter parameters were re-tested at Environmental Analysis Ltd. (which is however not NAMAS accredited for these 2 parameters) of "*15, Burgess Road, Ivy House Lane, Industrial Estate, Hastings, East Sussex, UK.*" following subcontracting from Southern Water Scientific Services. The WSC was not informed of the intention to subcontract, this being later attributed to an administrative error.
2. Progetto Natura srl (SIMAL accredited) of "*Via Marradi, 41- 59100, Prato, Italy*" for testing of pesticides. A separate tender was issued for testing of pesticides and the WSC selected the range of parameters on the basis of the major pesticides imported in the country. Only Italian laboratories offered the whole range of parameters requested in the tender document and an Italian laboratory was thus selected. It is also noted that there is broad similarity in the pesticide usage between Italy and Malta.
3. WSC laboratory for testing of chlorides, conductivity and pH.

2.2 PARAMETERS ANALYSED AND RESULTS

The parameters analysed are noted in Appendix A2, which broadly follows EU Directive 98/83/EC parameters.

The results that were obtained from this analytical programme indicated that 8 chemical parameters appear to exceed EU directive's limits (Part B) as shown in Table 1, whilst a further 7 are above the indicator parameter values.

Table 1: Overview of First set of Results exceeding EU directive limits

Parameter	Samples (out of 50) exceeding EU directive parametric value	EU directive parametric value	Maximum sample value obtained
<i>Part B – Chemical Parameters</i>			
Boron	6	1,000 ug/l	1,210 ug/l
Bromate	1	0.025 mg/l	0.033 mg/l
Chromium	2	50 ug/l	145 ug/l
Cyanide	3	0.05 mg/l	0.1 mg/l
Epichlorohydrin	3	0.1 ug/l	6.11 ug/l
Fluoride	1	1.5 mg/l	2.8 mg/l
Total PAHs	1	100 ng/l	120 ng/l
Benzo (a) pyrene	1	10 ng/l	39 ng/l
Nitrates	14	50 mg/l	120.5 mg/l
<i>Part C – Indicator Parameters</i>			
Ammonium	1	0.5 mg/l	0.62 mg/l
Chlorides	45 out of 46 samples	250 mg/l	1,580 mg/l
Conductivity	11 out of 49 samples	2,500 uS/cm	4,790 uS/cm
Iron	13	0.2 mg/l	0.6 mg/l
Manganese	1	0.05 mg/l	0.09 mg/l
Sodium	39	200 mg/l	877 mg/l
Sulphates	1	250 mg/l	290 mg/l

2.3 FURTHER INVESTIGATIONS – CHEMICAL PARAMETERS (PART B)

Further investigations were carried out on those mandatory parameters which exceeded EU drinking water quality directive parametric values except for nitrates and fluorides. These latter parameters were not investigated further since the WSC

has substantial historical parametric data and trends (refer section 2.4 and Appendix A3) and investigations into causes for exceedances was not considered necessary.

Those samples with parameters exceeding EU directive limits were re-tested for verification purposes and to establish the causes for the exceedances (i.e. whether exceedances were due to the sources, the distribution system or the consumers' internal distribution systems or otherwise. In the latter case this could serve as a basis for identification of pollutants' sources.)

Additional samples (2 in each case of failing samples of boron, bromate, chromium, cyanide and epichlorohydrin and 1 for each failing sample of Total PAHs) were obtained from households located in the same street as those that exceeded the directive limits.

2.3.1 Boron

Six samples out of 50 samples exceeded EU directive requirements for boron (1,000 ug/l). It was originally hypothesised that the relatively high boron levels may be primarily due to low rejection of boron, a naturally occurring parameter in seawater,³ by the reverse osmosis membranes. Therefore only 1 sample out of the 6 failing was re-tested. The results indicated that the previously failing sample (1,150 ug/l) was found to be within EU directive parametric value (750 ug/l).

Communications were also held with the membrane manufacturers and these claim that during tests carried out under similar conditions to real plant operation, the rejection of boron at a standard solution of 4,000 ug/l was of approximately 91% at a pH of 6.9. This implies that starting with a boron concentration level in feedwater

varying between 4,500 ug/l to 6,500 ug/l, the product water should have a theoretical boron concentration of 410–590 ug/l when the membrane is new. No data has as yet been provided for aged membranes.

The Corporation also carried further investigations to determine boron levels in reverse osmosis feed water (seawater sample) and the product water from various reverse osmosis plants and individual trains. The RO product water ranged between 730 - 890 ug/l with one train having a maximum value of 990 ug/l. Further confirmatory testing and investigations are deemed necessary.

Boron level of potable water supplied solely from groundwater sources generally was found to be within EU directive parametric values. These values in Maltese potable water ranged from 100–385ug/l.

2.3.2 Bromate

Originally one sample failed for this parameter (0.033mg/l). In the re-testing programme, all 3 samples (1 previously failing + 2 from identical supply zones as failing sample) gave results of less than 0.005 mg/l.

WHO (1996) notes that bromate is not normally present in water but may be formed from bromide during ozonation. However currently no ozonation is carried out in public water supply in Malta. Furthermore, the WSC carried out additional testing for bromate on 25 samples of chlorinated production sources and all results proved within EU directive limits.

³ WHO (1996) notes that concentration of boron in seawater ranges from 4 to 5 mg/litre as boric acid.

2.3.3 Chromium

Two instances were found to exceed the EU directive limit for chromium. In the re-testing programme, both sample groups (2 previously failing samples + 4 from identical supply zones as failing samples) produced results within EU directive limit (1 group was found below detection limit – 0.6 ug/l and the other group ranging between 1.1-1.8 ug/l.)

Considering that in Malta there is no heavy industry, the accuracy of the first set of results is questioned and has been taken up with the laboratory.

2.3.4 Cyanide

Three samples exceeded EU directive limit for cyanide. In the re-testing programme, all 3 sample groups (3 previously failing samples + 6 samples from the same supply zones as the failing samples) produced results within EU directive limits and less than 0.05mg/l.

WHO (1996) notes that cyanide may occasionally be found in drinking water mainly due to industrial pollution.⁴ This parameter is therefore being investigated further.

2.3.5 Epichlorohydrin

Three samples exceeded EU directive limit for epichlorohydrin. In the re-testing programme, all 3 sample groups (3 previously failing samples + 6 from identical supply zones as failing samples) produced negative results, i.e. less than 0.1ug/l.

⁴ California Environmental Protection Agency (1997) further note that the major sources of cyanide released to water are metal finishing industries, iron and steel making industries, organic chemical manufacturers and water treatment facilities. Cyanide can also enter waterways from agricultural runoff, runoff from roads salted in winter and atmospheric fallout and washout.

A further 16 samples from production sources and service reservoirs were tested for this parameter and these proved negative.

WHO (1996) notes that epichlorohydrin can enter the drinking water supply through flocculating agents that may contain the substance or through leaching of epoxy resin coatings on pipes. The Corporation does not use any flocculating agents and hence concentrations cannot be attributed to this source. Moreover, the WSC has no records of internally coated epoxy resin pipes ever having been installed, although exposed pipes are generally coated externally in epoxy resin by the WSC for preventive maintenance purposes.

Further investigations are deemed necessary to establish the accuracy or otherwise of the first set of results and other potential sources for epichlorohydrin. According to best available knowledge, minimal quantities of epoxy resin pipes are used in the production and distribution of water and these are limited to R.O. plants. Epoxy coated roof tanks are used in an uncontrolled manner in the domestic distribution system. The WSC is also carrying out investigations together with the Water Research Centre (UK) into the suitability of polyethylene pipes that are used in service pipes in the distribution network. The WRC has been commissioned to revise existing WSC procurement specifications and carry out the necessary monitoring tests.

2.3.6 Total PAHs

One sample exceeded the EU directive limit for total PAHs. Results of repeat sampling produced for both total PAHs and benzo(a) pyrene were within EU directive limits.

Furthermore in the first set of sampling, results from 6 samples (including the above) indicated the presence of fluoranthene. It is noted that fluoranthene is not one of the specified compounds listed in the EU Directive 98/83/EC. However it is common laboratory practice to test for this compound and WHO (1996) notes that it is the most commonly detected PAH in drinking water and is associated primarily with coal-tar linings of cast iron or ductile iron pipes. WHO (1996) also notes that no numerical guideline value⁵ for fluoranthene is deemed necessary since the health based value is significantly above the concentrations normally found in drinking water and under usual conditions does not represent a health hazard. WHO (1998) however recommends its monitoring with the objective of detecting deterioration in coal tar based linings. There are no known sources of coal tar based lining in the water distribution system in the Maltese Islands.

Repeat testing for all 6 samples showing presence of PAHs was carried out plus an additional sample for each failing supply zone (households located in the same street) was carried out.

2.4 INDICATOR PARAMETERS (PART C)

A number of indicator parameters (7) were observed to exceed EU directive indicator limits. These include: ammonium, chlorides, conductivity, iron, manganese, sodium and sulphates. The parameters ammonium, chloride, conductivity and sulphates are discussed in section 3.3 since these are also monitored on a routine basis by the WSC. Sodium in potable water is attributed to the sources of potable water: nature of the aquifer and the desalination facilities.

⁵ WHO (1998) notes a health based value of 4 ug/l assuming a 60kg adult drinking 2 litres/day with an allocation of 1% TDI to water.

WHO (1996) notes that iron concentration may be due to corrosion of pipework. Historically cast iron and galvanised iron pipes were installed in the distribution network in Malta and significant portions of these pipes are still in use. Depending upon distribution network deficiencies, these pipes are progressively being replaced by ductile iron pipes. Installation of new galvanised service pipes has been discontinued and this is now being carried out in polyethylene pipes.

2.5 OVERVIEW

Tables 2 shows the number of exceedances of parameters according to EU directive limits for both the first and second tests.

Table 2: Results of Snapshot Water Quality Survey

Parameter	No. of exceedances (1 st set – out of 50 samples)	No. of exceedances following resampling
<i>Part B- Chemical parameters</i>		
Acrlaymide	0	
Antimony	0	
Arsenic	0	
Benzene	0	
Benzo(a) pyrene	1	0
Boron	6	1 sample only re-tested and found within limits
Bromate	1	0
Cadmium	0	
Chromium	2	0
Copper	0	
Cyanide	3	0
1,2-dichloroethane	0	
Epichlorohydrin	3	0
Fluoride	1	Parameter was not re- tested
Lead	0	
Mercury	0	
Nickel	0	
Nitrate	14	Parameter was not re- tested

Parameter	No. of exceedances (1st set – out of 50 samples)	No. of exceedances following resampling
Nitrite	0	
Pesticides	0	
Pesticides – Total	0	
Polycyclic aromatic hydrocarbons	1	0
Selenium	0	
Tetrachloroethane and Trichloroethene	0	
Triaholamethanes – Total	0	
Vinyl Chloride	0	
<i>Part C – Indicator parameters</i>		
Aluminium	0	
Ammonium	1	
Chloride	45 out of 46 samples	
Colour	Qualitative tests under separate sampling programme	
Conductivity	11 out of 49 samples	
Hydrogen ion concentration	0	
Iron	13	
Manganese	1	
Odour	Qualitative tests under separate sampling programme	
Oxidisability	0	
Sulphate	1	
Sodium	39	
Taste	Qualitative tests under separate sampling programme	
Colony Count 22°	Under separate sampling programme	
Coliform bacteria	Under separate sampling programme	
Total organic carbon (TOC)	0	
Turbidity	Under separate sampling programme	
<i>RADIOACTIVITY</i>		
Tritium	Not tested	
Total indicative dose	Not tested	

Note: No requirement for measuring of *Clostridium perfringens* (including spores) since water does not originate or is not influenced by surface water.

Table 3 shows a comparison of the first and second sets of results obtained from the analytical programme.

Table 3: Resampling Details

Parameter	Maximum value – 1st set of tests	Maximum value - Repeat testing
Boron	1150 ug/l	750 ug/l
Bromate	0.033 mg/l	< 0.005 mg/l
Chromium	145 ug/l, 55 ug/l	1.7 ug/l, <0.6ug/l
Cyanide	0.1 mg/l 0.06 mg/l 0.05 mg/l	All samples < 0.005mg/l
Epichlorohydrin	6.11 ug/l 0.1 ug/l	Both samples < 0.02 ug/l
Total PAHs	120 ng/l	< 15 ng/l
Benzo (a) pyrene	39 ng/l	< 1 ng/l

It was noted from the above table that there appears to be a consistent difference between the two sets of tests carried out. This difference was in excess of 80% except for boron which was of 35%. The WSC is currently investigating the reason behind this potential anomaly. It is discussing the conduct of the exercise with the laboratories to ensure that results are interpreted correctly and to understand sources of any discrepancy.

Given that this programme constitutes the first scan of results on some parameters, it may be difficult to draw conclusions and further testing, data collection and analysis of trends may be necessary.

3.0 OTHER PARAMETERS MONITORED BY THE WSC

The Water Services Corporation routinely monitors for the following water quality parameters:

1. Microbiological parameters: Total coliforms, faecal coliforms, faecal streptococci.
2. Chemical Parameters: Nitrates and fluorides.
3. Indicator parameters: chlorides, conductivity, pH, turbidity ammonium, colour, taste, and odour.
4. Other parameters: free chlorine, total hardness and phosphates.

A comprehensive picture of the abovementioned water quality parameters has been constructed over a number of years. This data is further supplemented by a number of studies carried out by various consultants/ independent agencies.⁶ The WSC has carried out selective water quality testing for other parameters including: total hardness, fluorides, sulphates, silicates, but these parameters are not monitored on a regular basis.

An overview of the parameters that are monitored on a routine basis by the WSC is outlined in Appendix 3.

⁶ BRGM (1991) – as part of a study of fresh water resources in Malta

3.1 MICRO-BIOLOGICAL PARAMETERS & RESIDUAL DISINFECTION

Routine testing for micro-biological parameters (total coliforms, faecal coliforms, faecal streptococci) is carried out and these parameters generally are not a problem in potable water. Any deficiencies, which are rare, are immediately corrected. Customers are informed immediately to ensure safeguards to public health. As far as possible a residual chlorine content is retained in the distribution network to safeguard against micro-biological pollution.

The Department of Public Health carries out independent microbiological testing on a weekly basis with samples taken from all villages in the islands.

The WSC uses disinfection by chlorine gas as its treatment method and this is applied at all production sources and in the distribution where required. This process ensures the presence of free chlorine, which serves as a protection against bacterial contamination. However there are occurrences particularly where the distribution network is not in a good condition that residual chlorine levels are difficult to maintain.

3.2 CHEMICAL PARAMETERS (PART B)

3.2.1 Nitrates

BRGM (1991) outlined the progression of nitrate contamination in Maltese groundwater and notes that in 1976 the Kirkop/ Ghaxaq area had high nitrate values (80-100 mg/l) while the pumping stations of Wied il-Kbir and Tal-Hlas also had nitrate values of 70 and 75 mg/l. In 1984 the highest nitrate values were in excess of 100 mg/l and these were observed in the Ghaxaq area and in Zabbar. Between 1986 and 1990 the highest values obtained were in the region of 95-142 mg/l and observed in the same areas mentioned above and in the areas south and north of Tal-Hlas pumping station.

BRGM notes that the maximum concentration in nitrates corresponds to the rainy season (October-March) primarily due to leaching of nitrates in the unsaturated zone. BRGM (1991) also note that water contamination (high nitrate values) in groundwater are due to anthropogenic activities including: sewage leakages and agricultural practices. The movement of these pollutants below the surface is affected by the properties of the underlying strata.

R.O. water has no nitrate content and thus blending of the two sources should theoretically permit that nitrate limits are attained. This is however dependant upon:

1. relative blending ratio of the two sources,
2. limitations of the distribution network, which hinders the possibility of blending due to infrastructural requirements,
3. cost implications since desalinated water is significantly more expensive than groundwater and particularly due to the high energy requirements.

3.2.2 Fluorides

WHO (1996) notes that fluoride is a naturally occurring substance in both seawater and groundwater. Maximum total fluoride concentration in seawater has been reported at 1.3 mg/l although in groundwater this can be even higher (WHO, 1996). Generally however fluoride concentrations do not exceed 10 mg/l and vary according to the type of rock and whether areas are rich in fluoride-containing minerals.

In the snapshot study carried out, the EU directive limit (1.5mg/l) was exceeded once (out of 50 samples) with a value of 2.8mg/l. This exceedance is also confirmed by historical data analysed by the Department of Public Health and is restricted to a particular supply zone no. 10 (Gozo).

3.3 INDICATOR PARAMETERS (PART C)

3.3.1 Chlorides

WHO (1996) notes that although high concentrations of chlorides are undesirable in taste, consumers may become accustomed to concentrations in excess of 250 mg/l. WHO refrains from establishing health-based guideline values for chlorides.

BRGM (1991) reviewed chloride development in groundwater and noted that:

1. prior to 1944, groundwater contained chloride concentrations below 500 mg/l
2. By 1976, chloride concentrations in some zones reached and exceeded 1,000 mg/l
3. In 1984, chloride concentrations were further increased with the drilling of new boreholes. Furthermore Ta' Kandja Pumping Station increased chloride concentration to 3,250 mg/l from 1,200 mg/l in 1976.
4. Chloride concentration between 1986-1990 generally remained stable.

BRGM (1991) notes that the high chloride concentrations are due to overpumping particularly in some pumping stations (e.g. Ta' Kandja, Wied il-Ghasel and Ta' Qali.)

Over the past years (post-1993) there has been a reduction in water abstraction from mean sea level aquifer and chloride concentrations has generally decreased in some pumping stations. The situation is complicated due to the complex nature of seawater intrusion and is highly influenced by the large perimeter in comparison to the islands' area as well as the karstic nature of the aquifer.

As may be noted from Tables A3.2 and A3.3, both sources (groundwater and reverse osmosis plants) exceed EU indicator value specified in Part C. These relatively high values in chlorides are considered to be primarily attributed to the islands' hydrogeological characteristics and environmental conditions.

3.3.2 Conductivity

Conductivity was tested in the snapshot survey and this parameter is also tested on a routine basis by the WSC. A number of exceedances to EU directive limits were observed (11 out of 49 samples). Conductivity in local potable water is related to the high sodium chloride content.

3.3.3 Ammonium

In the snapshot survey one exceedance for this parameter was observed. Qualitative tests are also carried out on a routine basis by the WSC and historical data indicates that occurrences of trace detection are rare. Any detections of this parameter are immediately investigated by the Corporation.

3.3.4 pH

Historical data shows that this parameter usually ranges between 7 and 8. However instances have arisen where a pH of 9.2 was exceeded due to lime dosing at RO Plants. This parameter is monitored continuously and corrective action is taken accordingly.

3.3.5 Sulphates

WHO (1996) notes that no health guideline values exist for sulphates. However a guideline of 250 mg/l is given due to taste impairment. Historical WSC data shows that for most samples tested this value is not exceeded, except in certain areas which are supplied solely by groundwater (i.e. without blending with desalinated water).

3.3.6 Turbidity

Turbidity tests are carried out by the WSC using spectrophotometry. The majority of results obtained are generally of less than 1 NTU. Incidences of higher values are sometimes observed and these are attributed to distribution network deficiencies (e.g. corrosion of pipework.)

3.3.7 Colour, Taste & Odour

Qualitative tests are carried out on a routine basis for colour and odour and any abnormalities or consumer complaints are investigated.

3.4 OTHER PARAMETERS

3.4.1 Total hardness

WHO (1996) notes that no health based guideline value exists for total hardness, although the degree of hardness has an effect on the acceptability to consumer in

terms of taste and scale deposition. Total hardness varies depending upon the source: groundwater is generally hard (>200 mg/l) whilst R.O. water is generally below 100 mg/l.

3.4.2 Phosphates

Qualitative tests are carried out for phosphates and generally this is not considered a problem.

APPENDIX 1

A1.1 Water Supply Zones

The water supply zones were defined as:

1. Area supplied mainly from Cirkewwa R.O. plant plus a number of groundwater sources
2. Area supplied from Pembroke R.O. plant
3. Mosta, Naxxar area which are supplied from groundwater sources located below the Victoria Fault
4. Area supplied from groundwater sources via Fiddien Reservoir
5. Zebbug Siggiewi area supplied from groundwater sources
6. Area supplied from Ta' Qali reservoir which contains a blend of water from Pembroke, Cirkewwa R.O. plants and a number of mean sea level sources
7. Area supplied from Luqa reservoir
8. Area supplied from Qrendi reservoir which contains a blend of Lapis R.O. plant and various groundwater sources
9. Areas in the south of Malta supplied solely from groundwater sources
10. Gozo

Table A1 – Water Supply Zones

No.	Supply zone	Localities	Population	No. of samples	EU minimum sampling requirements
1	Cirkewwa	Mellieha, Bugibba, Mgarr	16,500	2	2
2	Pembroke	Sliema, St. Julians, Valletta, Pembroke, Swieqi, Gzira,	57,800	8	5

No.	Supply zone	Localities	Population	No. of samples	EU minimum sampling requirements
		Floriana, San Gwann			
3	Mosta / Naxxar	Mosta, Naxxar, Gharghur	28,800	4	3
4	Fiddien	Rabat, Dingli, Mdina etc.	16,100	2	2
5	Siggiewi / Zebbug	Siggiewi, Zebbug	17,800	2	2
6	Ta' Qali reservoir	Attard, B'kara, Sta. Venera, Hamrun, Lija, Msida, Pieta, Qormi	77,500	10	5
7	Luqa reservoir	Birgu, Senglea, Cospicua, Kalkara, Marsa	21,100	3	3
8	Qrendi	Gudja, Fgura, Kirkop, Luqa, Marsascala, St. Lucia, Tarxien, Zabbar, Zejtun	74,400	10	5
9	Groundwater south	Qrendi, Zurrieq, Mqabba, Safi, B'bugia, Ghaxaq	27,200	4	3
10	Gozo		35,000	5	4
	Total		372,200	50	34

APPENDIX 2

Table A2.1 – Results of Scan – First Set

Parameters	Water Supply zone				
	1-3	3-6	6-8	8-9	9-10
Nitrogen Ammoniacal as N; Nitrogen Nitrate as N; Permanganate Index N/80 10 min boil as O; Nitrate as NO ₃ ; Nitrite as NO ₂ ; Ammoniacal Nitrogen as NH ₄ ; 1,2-Dichloroethane; Benzene; Vinyl Chloride; Epichlorhydrin; Bromate; Sulphide as S; Sodium Total; Potassium Total; Calcium Total as Ca; Magnesium Total as Mg; Iron Total; Manganese Total; Cadmium Total; Chromium Total; Copper Total; Lead Total; Nickel Total; Aluminium Total; Arsenic Total; Selenium Total; Barium Total; Antimony Total; Strontium as Sr; Silica Total as SiO ₂ ; Mercury Total; Carbon Total Organic (TOC) as C; Fluoride as F; Sulphate as SO ₄ ; Boron Total; Phosphorus Total as P	<i>Sheet No.</i> 24	<i>Sheet No.</i> 28	<i>Sheet No.</i> 32	<i>Sheet No.</i> 36	<i>Sheet No.</i> 40
Bromoform; Chloroform; Bromodichloromethane; Chlorodibromomethane; Trihalomethanes; Carbon Tetrachloride (CCl ₄); 1, 1, 1-Trichloroethane; Trichloroethylene; Tetrachloroethylene; Cyanide Total as CN; Detergents Anionic Lauryl Sulphate; Phenolic Substances Total Non-Para; Acrylamide; Total Polynuclear Aromatic Hydrocarbons (PAHs); Fluoranthene; Benzo (b) fluoranthene; Benzo (k) fluoranthene; Benzo (a) pyrene; Indeno (123-cd) pyrene; Benzo (ghi) perylene Chlorides; Conductivity; pH Methyl Bromide; Dichlorodifluoromethane; Chloromethane; Vinyl Chloride; Bromomethane; Chloroethane; Trichlorofluoromethane; 1,1-Dichloroethene; Methylene Chloride; trans-1,2-Dichloroethene; 1,1-Dichloroethane	<i>Sheet No.</i> 25	<i>Sheet No.</i> 29	<i>Sheet No.</i> 33	<i>Sheet No.</i> 37	<i>Sheet No.</i> 41
cis-1,2-Dichloroethene; 2,2-Dichloropropane; Bromochloromethane; Chloroform; 1,2-Dichloroethane; 1,1-Dichloropropene; Benzene; Carbon Tetrachloride; 1,2-Dichloropropane; Trichloroethene; ibromoethene; Bromodichloromethane; trans-1,3-Dichloropropene; cis-1,3-Dichloropropene; Toluene; 1,1,2-Trichloroethane; 1,3-Dichloropropane; Naphthalene; Hexachlorobutadiene; Dibromochloromethane; 1,2-Dibromoethane; Tetrachloroethene; Chlorobenzene; 1,1,1,2-Tetrachloroethane; Ethylbenzene; m,p-Xylene; Bromoform; Styrene; o-Xylene; 1,1,2,2-Tetrachloroethane; 1,2,3-Trichloropropane; Isopropylbenzene; Bromobenzene; 2-Chlorotoluene; n-Propylbenzene; 4-Chlorotoluene; 1,3,5-Trimethylbenzene; tert-Butylbenzene; 1,2,4-Trimethylbenzene;	<i>Sheet No.</i> 26	<i>Sheet No.</i> 30	<i>Sheet No.</i> 34	<i>Sheet No.</i> 38	<i>Sheet No.</i> 42
1,3-Dichlorobenzene; sec-Butylbenzene; 1,4-Dichlorobenzene; 4-isopropyltoluene; 1,2-Dichlorobenzene; n-Butylbenzene; 1,2-Dibromo-3-chloropropane; 1,2,4-Trichlorobenzene; 1,2,3-Trichlorobenzene;	<i>Sheet No.</i> 27	<i>Sheet No.</i> 31	<i>Sheet No.</i> 35	<i>Sheet No.</i> 39	<i>Sheet No.</i> 43

Water Supply Zone	1	1	2	2	2	2	2	2	2	2	3
Lab. Ref. No.	S/T 72366	S/T 72365	S/T 74208	S/T 72370	S/T 74209	S/T 72369	S/T 74207	S/T 72381	S/T 72377	S/T 74200	S/T 74214
Nitrogen Ammoniacal as N (mg/l)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Nitrogen Nitrate as N (mg/l)	8.4	12.9	<0.2	9.1	<0.2	<0.2	<0.2	9.7	0.38	0.72	17
Permanganate Index N/80 10 min boil as O (mg/l)	<0.25	1.5	0.4	0.55	0.26	<0.25	0.5	1	0.43	0.43	2.5
Nitrate as NO3 (mg/l)	37.21	57.15	<0.89	40.31	<0.89	<0.89	<0.89	42.97	1.68	3.19	75.31
Nitrite as NO2 (mg/l)	<0.013	<0.013	<0.013	<0.013	<0.013	0.013	<0.013	<0.013	<0.013	<0.013	0.02
Ammonical Nitrogen as NH4 (mg/l)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,2-Dichloroethane (ug/l)	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.06	<0.06
Benzene (ug/l)	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Vinyl Chloride (ug/l)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Epichlorhydrin (ug/l)	<0.02	1.21	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02
Bromate (mg/l)	0.021	<0.01	0.014	0.0074	0.006	0.0021	<0.002	0.0091	0.0064	0.008	<0.01
Sulphide as S (mg/l)	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.21	<0.15	<0.15
Sodium Total (mg/l)	151	343	168	277	168	172	169	302	118	235	1190
Potassium Total (mg/l)	7.9	17.1	6.43	11.4	6.34	6.8	6.45	12.1	6.9	6.65	36.4
Calcium Total as Ca (mg/l)	63.4	105	18.7	74	17.9	17.4	18.7	76.3	19.1	18.9	142
Magnesium Total as Mg (mg/l)	15.2	51.9	10.6	29.7	10.7	11.2	11	30.8	11.3	11.6	141
Iron Total (mg/l)	0.03	0.08	0.23	0.45	0.08	0.05	0.04	0.38	0.58	0.1	0.27
Manganese Total (mg/l)	0.001	0.001	0.005	0.01	0.003	0.002	0.002	0.008	0.008	0.004	0.002
Cadmium Total (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium Total (ug/l)	<0.6	1.2	<0.6	0.6	2.3	0.6	<0.6	1	<0.6	1.1	0.9
Copper Total (ug/l)	<4	<4	<4	<4	4	<4	<4	<4	<4	<4	<4
Lead Total (ug/l)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Nickel Total (ug/l)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Aluminium Total (mg/l)	0.006	0.007	0.014	0.02	0.016	0.02	0.019	1.02	0.02	0.02	<0.005
Arsenic Total (ug/l)	0.6	1.6	<0.4	1.2	<0.4	0.5	<0.4	1.1	0.5	<0.4	2.6
Selenium Total (ug/l)	1	5	1	2	<1	<1	<1	2	1	<1	8
Barium Total (ug/l)	14	20	<1	13	<1	<1	<1	14	<1	<1	24
Antimony Total ug/l)	<0.4	<0.4	0.6	<0.4	0.6	<0.4	0.7	<0.4	0.5	0.5	0.5
Strontium as Sr (mg/l)	0.22	0.82	0.069	0.45	0.068	0.08	0.067	0.46	0.09	0.067	1.26
Silica Total as SiO2 (mg/l)	8.82	10.2	0.15	7.14	0.16	0.23	0.15	7.29	0.59	0.17	12.3
Mercury Total (ug/l)	<0.005	<0.005	<0.05	<0.005	0.05	<0.005	<0.05	<0.005	<0.005	<0.05	0.03
Carbon Total Organic (TOC) as C (mg/l)	0.85	1	0.51	0.92	0.62	0.41	0.44	0.83	0.4	0.46	3.1
Fluoride as F (mg/l)	0.19	0.4	<0.05	0.28	<0.05	0.05	0.05	0.3	0.06	0.05	0.54
Sulphate as SO4 (mg/l)	36	110	16	60	16	20	16	63	22	0.8	215
Boron Total (ug/l)	325	320	1120	445	1150	700	970	440	790	1080	360
Phosphorus Total as P (mg/l)	<0.05	<0.05	0.1	<0.05	0.1	<0.05	0.08	0.05	<0.05	5.3	0.06

Water Supply Zone	1	1	2	2	2	2	2	2	2	2	3
Bromoform (ug/l)	11	21	<0.5	23	<0.5	<0.5	0.6	27	0.8	0.7	1.2
Chloroform (ug/l)	0.9	1	<0.7	<0.7	<0.7	<0.7	<0.70	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane (ug/l)	1.3	1.4	0.8	1.5	0.8	1.4	0.8	1.5	1.4	0.8	1.3
Chlorodibromomethane (ug/l)	1.7	1.9	0.9	1	0.9	<0.5	0.9	1.1	<0.5	0.9	0.6
Trihalomethanes (ug/l)	14.9	25.3	1.7	25.5	1.7	1.4	2.3	29.6	2.2	2.4	3.1
Carbon Tetrachloride (CCl4) (ng/l)	155	160	<120	<120	<120	<120	<120	<120	<120	<120	<120
1, 1, 1-Trichloroethane (ug/l)	0.7	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethylene (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethylene (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cyanide Total as CN (mg/l)	<0.012	<0.012	<0.005	0.03	<0.005	<0.012	<0.005	<0.12	<0.012	<0.012	<0.005
Detergents Anionic Lauryl Sulphate (mg/l)	0.03	0.04	0.02	0.03	0.02	0.02	0.02	0.03	0.2	0.03	0.03
Phenolic Substances Total Non-Para (mg/l)	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
Acrylamide (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TOTAL Polynuclear Aromatic Hydrocarbons (PAHs)	0	0	0	0	0	0	8.4	0	0	0	0
Fluoranthene (ng/l)	<4	<4	<4	<4	<4	<4	8.4	<4	<4	<4	<4
Benzo (b) fluoranthene (ng/l)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzo (k) fluoranthene (ng/l)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzo (a) pyrene (ng/l)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Indeno (123-cd) pyrene (ng/l)	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Benzo (ghi) perylene (ng/l)	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chlorides (mg/l)	300	870	260	550	260	580	240	540	340		1580
Conductivity (uS/cm)	1170	2950	832	1872	825	972	837	1917	998		4670
pH	7.76	7.64	7.56	7.46	8.56	8.41	7.14	7.49	8.35		7.53
Lab Ref. No.	S/T 88540	S/T 88541	S/T 88542	S/T 88543	S/T 88544	S/T 88545	S/T 88546	S/T 88547	S/T 88548	S/T 88549	S/T 88550
Methyl Bromide (ug/l)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl Chloride (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichlorofluoromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene Chloride (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,2-Dichloroethene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Water Supply Zone	1	1	2	2	2	2	2	2	2	2	3
1,3-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-isopropyltoluene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Water Supply Zone	8	8	8	8	8	8	8	8	9	9	9
Lab. Ref. No.	S/T 72362	S/T 72358	S/T 72359	S/T 72363	S/T 72360	S/T 72357	S/T 74204	S/T 72361	S/T 72354	S/T 72353	S/T 72376
Nitrogen Ammoniacal as N (mg/l)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Nitrogen Nitrate as N (mg/l)	7.6	7	25.6	5.8	6.6	9	4.1	8.2	4.7	6.5	13.9
Permanganate Index N/80 10 min boil as O (mg/l)	0.52	0.44	1.5	0.95	0.77	0.47	0.76	0.65	0.68	0.51	0.7
Nitrate as NO3 (mg/l)	33.67	31.01	113.41	25.69	29.24	39.87	18.16	36.33	20.82	28.8	61.58
Nitrite as NO2 (mg/l)	<0.013	<0.013	0.013	0.013	0.023	<0.013	<0.013	0.013	<0.013	<0.013	<0.013
Ammonical Nitrogen as NH4 (mg/l)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,2-Dichloroethane (ug/l)	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Benzene (ug/l)	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Vinyl Chloride (ug/l)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Epichlorhydrin (ug/l)	0.07	0.03	0.08	0.05	<0.02	0.06	<0.02	<0.02	<0.02	0.04	<0.02
Bromate (mg/l)	0.012	<0.01	<0.01	<0.01	<0.01	<0.01	0.014	<0.01	<0.01	<0.01	<0.01
Sulphide as S (mg/l)	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Sodium Total (mg/l)	291	368	877	337	684	319	378	209	297	371	425
Potassium Total (mg/l)	12.1	12.6	30.4	11.1	12	12.4	13.1	11.9	11.9	11.5	18.9
Calcium Total as Ca (mg/l)	74.6	70.3	174	61.5	70.4	79.2	61.8	76.5	56.8	67.7	89.1
Magnesium Total as Mg (mg/l)	33.1	32.7	84.5	29.2	31.7	33.3	33.4	33	28.9	31.9	42.4
Iron Total (mg/l)	0.12	0.06	0.09	0.6	0.22	0.07	0.11	0.12	0.02	0.24	0.27
Manganese Total (mg/l)	0.003	0.001	0.003	0.006	0.004	0.002	0.003	0.003	<0.001	0.003	0.002
Cadmium Total (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium Total (ug/l)	2	0.9	0.9	0.7	1	1.2	0.7	5.2	0.9	1	1.5
Copper Total (ug/l)	<4	<4	37	<4	14	<4	<4	5	<4	<4	<4
Lead Total (ug/l)	<1	<1	2	<1	1	<1	<1	<1	<1	<1	1
Nickel Total (ug/l)	<2	<2	3	<2	<2	<2	<2	<2	<2	<2	<2
Aluminium Total (mg/l)	0.01	0.02	<0.005	0.01	0.009	0.01	0.027	0.007	0.04	0.008	0.008
Arsenic Total (ug/l)	0.9	0.9	2.1	1	1	0.8	1.8	0.8	0.7	0.8	1.2
Selenium Total (ug/l)	3	3	7	3	3	2	2	3	2	3	4
Barium Total (ug/l)	13	12	28	9	11	13	8	12	9	11	14
Antimony Total ug/l)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	0.6	<0.4	0.5	0.7	<0.4
Strontium as Sr (mg/l)	0.32	0.32	0.92	0.28	0.32	0.38	0.276	0.34	0.28	0.32	0.45
Silica Total as SiO2 (mg/l)	6.26	5.8	14	5.12	5.66	7.3	3.86	6.56	4.6	5.9	8.35
Mercury Total (ug/l)	<0.005	<0.005	<0.005	<0.005	0.013	<0.005	<0.05	0.005	<0.005	<0.005	<0.005
Carbon Total Organic (TOC) as C (mg/l)	0.93	0.76	1.2	0.68	0.69	0.89	0.73	0.79	0.9	0.82	1
Fluoride as F (mg/l)	0.18	0.16	0.33	0.16	0.17	0.19	0.11	0.18	0.13	0.16	0.23
Sulphate as SO4 (mg/l)	68	65	200	59	68	71	63	68	60	65	94
Boron Total (ug/l)	650	550	510	580	540	445	910	480	670	550	520
Phosphorus Total as P (mg/l)	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	0.11	<0.05	0.05	<0.05	<0.05

Water Supply Zone	8	8	8	8	8	8	8	8	8	9	9	9
Bromoform (ug/l)	12	12	4.2	2.5	12	13	7.4	13	12	12	13	
Chloroform (ug/l)	1	1	0.9	1.1	1.2	1.1	<0.7	1.1	1	0.8	<0.7	
Bromodichloromethane (ug/l)	1.4	1.4	1.3	1.3	1.4	1.3	0.7	1.4	1.4	1.4	1.5	
Chlorodibromomethane (ug/l)	1.7	1.7	1.6	1.5	1.7	1.7	1.1	1.7	1.6	1.7	0.8	
Trihalomethanes (ug/l)	16.1	16.1	8	6.4	16.3	17.1	9.2	17.2	16	15.9	15.3	
Carbon Tetrachloride (CCl4) (ng/l)	155	150	155	160	160	155	<120	155	150	155	<120	
1, 1, 1-Trichloroethane (ug/l)	0.7	0.7	0.7	0.7	0.7	0.7	<0.5	0.7	0.6	0.7	<0.5	
Trichloroethylene (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.3	
Tetrachloroethylene (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Cyanide Total as CN (mg/l)	<0.012	<0.012	<0.012	0.02	0.06	<0.012	<0.012	0.02	<0.012	<0.012	<0.012	
Detergents Anionic Lauryl Sulphate (mg/l)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
Phenolic Substances Total Non-Para (mg/l)	0.0077	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	
Acrylamide (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
TOTAL Polynuclear Aromatic Hydrocarbons (PAHs)	101.7	1.2	0	16.1	40.9	0	0	0	0	135	0	
Fluoranthene (ng/l)	12	<4	<4	12	37	<4	<4	<4	<4	135	<4	
Benzo (b) fluoranthene (ng/l)	19	<2	<2	<2	3.9	<2	<2	<2	<2	<2	<2	
Benzo (k) fluoranthene (ng/l)	8.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Benzo (a) pyrene (ng/l)	8.2	1.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Indeno (123-cd) pyrene (ng/l)	37	<3	<3	4.1	<3	<3	<3	<3	<3	<3	<3	
Benzo (ghi) perylene (ng/l)	17	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	
Chlorides (mg/l)	720	690	1540	670	650	660	650	630	650	660	580	
Conductivity (uS/cm)	2200	2100	4790	2100	2200	2260	2010	2200	2230	2200	2000	
pH	7.75	7.97	7.59	7.97	7.87	7.55	8.23	7.74	8.2	7.75	7.75	
Lab Ref. No.	S/T 88573	S/T 88574	S/T 88575	S/T 88576	S/T 88577	S/T 88578	S/T 88579	S/T 88580	S/T 88581	S/T 88582	S/T 88583	
Methyl Bromide (ug/l)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Dichlorodifluoromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Chloromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Vinyl Chloride (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Bromomethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Chloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Trichlorofluoromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1,1-Dichloroethene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Methylene Chloride (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
trans-1,2-Dichloroethene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1,1-Dichloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	

Water Supply Zone	8	8	8	8	8	8	8	8	8	9	9	9
1,3-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-isopropyltoluene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Water Supply Zone	6	6	6	6	6	6	7	7	7	8	8
Lab. Ref. No.	S/T 74202	S/T 74216	S/T 74201	S/T 74203	S/T 74215	S/T 72364	S/T 74199	S/T 72378	S/T 72379	S/T 74206	S/T 74205
Nitrogen Ammoniacal as N (mg/l)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Nitrogen Nitrate as N (mg/l)	11.1	6.4	2.6	2.6	18.4	10	4.2	9.8	2.5	4.2	5.3
Permanganate Index N/80 10 min boil as O (mg/l)	<0.25	1.2	0.49	0.74	1.5	0.61	0.82	0.61	0.48	0.89	0.93
Nitrate as NO3 (mg/l)	49.17	28.35	11.52	11.52	81.51	44.3	18.61	43.41	11.08	18.61	23.48
Nitrite as NO2 (mg/l)	<0.013	0.013	<0.013	<0.013	0.02	0.013	<0.013	0.02	<0.013	<0.013	<0.013
Ammonical Nitrogen as NH4 (mg/l)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,2-Dichloroethane (ug/l)	<0.06	<0.06	<0.06	<0.06	N	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Benzene (ug/l)	<0.18	<0.18	<0.18	<0.18	N	<0.18	<0.18	<0.185	<0.18	<0.18	<0.18
Vinyl Chloride (ug/l)	<0.2	<0.2	<0.2	<0.2	N	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Epichlorhydrin (ug/l)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Bromate (mg/l)	0.013	<0.01	<0.002	<0.002	0.017	0.0043	0.0054	<0.004	0.0074	0.0049	<0.004
Sulphide as S (mg/l)	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Sodium Total (mg/l)	400	315	258	288	692	292	438	170	245	400	384
Potassium Total (mg/l)	14.4	12.4	9.46	8.78	19.7	11	12.5	11.5	9.6	12.9	12.8
Calcium Total as Ca (mg/l)	98.9	64.2	41.6	43.4	134	72.7	62.8	74.8	36.9	63.2	68.6
Magnesium Total as Mg (mg/l)	42.4	35.7	20.9	27.8	77.9	29.1	37.6	30.9	21.2	34.9	34.4
Iron Total (mg/l)	0.14	0.07	0.07	0.08	0.02	0.16	0.22	0.329	0.29	0.04	0.03
Manganese Total (mg/l)	0.003	0.002	0.004	0.003	0.001	0.002	0.006	0.004	0.004	0.002	0.001
Cadmium Total (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium Total (ug/l)	<0.6	1.8	<0.6	<0.6	1.1	0.7	55	0.7	0.6	<0.6	0.7
Copper Total (ug/l)	<4	<4	<4	<4	8	<4	<4	<4	8	<4	<4
Lead Total (ug/l)	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1
Nickel Total (ug/l)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Aluminium Total (mg/l)	0.014	0.021	0.022	0.016	<0.005	0.01	0.084	0.01	0.01	0.029	0.032
Arsenic Total (ug/l)	1.4	0.8	1.1	1.5	1.9	0.9	2	1.1	0.5	1.3	1.6
Selenium Total (ug/l)	3	2	<1	2	5	3	2	3	3	1	2
Barium Total (ug/l)	14	9	4	6	22	13	8	14	6	8	11
Antimony Total (ug/l)	0.6	<0.4	0.5	0.6	<0.4	<0.4	0.6	<0.4	<0.4	0.8	1.3
Strontium as Sr (mg/l)	0.556	0.41	0.197	0.285	0.727	0.48	0.252	0.49	0.24	0.266	0.276
Silica Total as SiO2 (mg/l)	8.34	4.38	2.32	2.99	11.5	7.07	4.05	7.55	2.68	3.83	4.69
Mercury Total (ug/l)	<0.05	<0.005	<0.05	<0.05	0.01	<0.005	<0.05	<0.005	<0.005	<0.05	<0.05
Carbon Total Organic (TOC) as C (mg/l)	1	33	0.69	1.6	2.1	0.88	0.76	0.83	0.74	0.75	0.73
Fluoride as F (mg/l)	0.31	0.19	0.11	0.16	0.35	0.28	0.11	0.29	0.15	0.11	0.12
Sulphate as SO4 (mg/l)	67	56	29	40	120	60	58	63	40	60	60
Boron Total (ug/l)	450	560	850	720	270	455	1090	445	620	1170	1210
Phosphorus Total as P (mg/l)	0.1	0.08	<0.05	0.09	0.07	<0.05	0.12	<0.05	0.05	0.09	0.1

Water Supply Zone	6	6	6	6	6	6	7	7	7	8	8
Bromoform (ug/l)	24	8.4	7.7	9	3.3	23	10	26	18	7.1	9.9
Chloroform (ug/l)	<0.7	<0.7	<0.7	<0.7	<0.7	1.2	<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane (ug/l)	0.8	1.8	0.7	0.7	1.3	1.4	0.8	1.5	1.5	0.7	0.8
Chlorodibromomethane (ug/l)	1.4	1.4	1.1	1.1	0.7	1.9	1.1	1.1	0.7	1.1	1.1
Trihalomethanes (ug/l)	26.2	11.6	9.5	10.8	5.3	27.5	11.9	28.6	20.2	8.9	11.8
Carbon Tetrachloride (CCI4) (ng/l)	<120	120	<120	<120	<120	155	<120	<120	<120	<120	<120
1, 1, 1-Trichloroethane (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethylene (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethylene (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cyanide Total as CN (mg/l)	<0.012	<0.005	<0.012	<0.012	<0.005	<0.012	<0.012	0.05	<0.012	<0.012	<0.012
Detergents Anionic Lauryl Sulphate (mg/l)	0.04	0.03	0.03	0.05	0.03	0.04	0.04	0.03	0.03	0.03	0.03
Phenolic Substances Total Non-Para (mg/l)	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
Acrylamide (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TOTAL Polynuclear Aromatic Hydrocarbons (PAHs)	9.5	0	205	0	0	0	36.6	29	0	0	0
Fluoranthene (ng/l)	7.4	<4	205	<4	<4	<4	15	29	<4	<4	<4
Benzo (b) fluoranthene (ng/l)	2.1	<2	<2	<2	<2	<2	3.8	<2	<2	<2	<2
Benzo (k) fluoranthene (ng/l)	<2	<2	<2	<2	<2	<2	2.1	<2	<2	<2	<2
Benzo (a) pyrene (ng/l)	<1	<1	<1	<1	<1	<1	3.4	<1	<1	<1	<1
Indeno (123-cd) pyrene (ng/l)	<3	<3	<3	<3	<3	<3	6.8	<3	<3	<3	<3
Benzo (ghi) perylene (ng/l)	<3	<3	<3	<3	<3	<3	5.5	<3	<3	<3	<3
Chlorides (mg/l)	600		370	430	940	540	640	580	480	640	620
Conductivity (uS/cm)	2020	1910	1215	1387	2980	1930	1987	2000	1506	2010	2010
pH	7.74	8.02	7.98	7.7	7.5	7.6	8.19	7.75	7.92	8.17	8.14
Lab Ref. No.	S/T 88562	S/T 88563	S/T 88564	S/T 88565	S/T 88566	S/T 88567	S/T 88568	S/T 88569	S/T 88570	S/T 88571	S/T 88572
Methyl Bromide (ug/l)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl Chloride (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichlorofluoromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene Chloride (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,2-Dichloroethene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Water Supply Zone	6	6	6	6	6	6	7	7	7	8	8
1,3-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-isopropyltoluene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Water Supply Zone	8	8	8	8	8	8	8	8	9	9	9
Lab. Ref. No.	S/T 72362	S/T 72358	S/T 72359	S/T 72363	S/T 72360	S/T 72357	S/T 74204	S/T 72361	S/T 72354	S/T 72353	S/T 72376
Nitrogen Ammoniacal as N (mg/l)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Nitrogen Nitrate as N (mg/l)	7.6	7	25.6	5.8	6.6	9	4.1	8.2	4.7	6.5	13.9
Permanganate Index N/80 10 min boil as O (mg/l)	0.52	0.44	1.5	0.95	0.77	0.47	0.76	0.65	0.68	0.51	0.7
Nitrate as NO3 (mg/l)	33.67	31.01	113.41	25.69	29.24	39.87	18.16	36.33	20.82	28.8	61.58
Nitrite as NO2 (mg/l)	<0.013	<0.013	0.013	0.013	0.023	<0.013	<0.013	0.013	<0.013	<0.013	<0.013
Ammonical Nitrogen as NH4 (mg/l)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,2-Dichloroethane (ug/l)	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Benzene (ug/l)	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Vinyl Chloride (ug/l)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Epichlorhydrin (ug/l)	0.07	0.03	0.08	0.05	<0.02	0.06	<0.02	<0.02	<0.02	0.04	<0.02
Bromate (mg/l)	0.012	<0.01	<0.01	<0.01	<0.01	<0.01	0.014	<0.01	<0.01	<0.01	<0.01
Sulphide as S (mg/l)	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Sodium Total (mg/l)	291	368	877	337	684	319	378	209	297	371	425
Potassium Total (mg/l)	12.1	12.6	30.4	11.1	12	12.4	13.1	11.9	11.9	11.5	18.9
Calcium Total as Ca (mg/l)	74.6	70.3	174	61.5	70.4	79.2	61.8	76.5	56.8	67.7	89.1
Magnesium Total as Mg (mg/l)	33.1	32.7	84.5	29.2	31.7	33.3	33.4	33	28.9	31.9	42.4
Iron Total (mg/l)	0.12	0.06	0.09	0.6	0.22	0.07	0.11	0.12	0.02	0.24	0.27
Manganese Total (mg/l)	0.003	0.001	0.003	0.006	0.004	0.002	0.003	0.003	<0.001	0.003	0.002
Cadmium Total (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium Total (ug/l)	2	0.9	0.9	0.7	1	1.2	0.7	5.2	0.9	1	1.5
Copper Total (ug/l)	<4	<4	37	<4	14	<4	<4	5	<4	<4	<4
Lead Total (ug/l)	<1	<1	2	<1	1	<1	<1	<1	<1	<1	1
Nickel Total (ug/l)	<2	<2	3	<2	<2	<2	<2	<2	<2	<2	<2
Aluminium Total (mg/l)	0.01	0.02	<0.005	0.01	0.009	0.01	0.027	0.007	0.04	0.008	0.008
Arsenic Total (ug/l)	0.9	0.9	2.1	1	1	0.8	1.8	0.8	0.7	0.8	1.2
Selenium Total (ug/l)	3	3	7	3	3	2	2	3	2	3	4
Barium Total (ug/l)	13	12	28	9	11	13	8	12	9	11	14
Antimony Total ug/l)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	0.6	<0.4	0.5	0.7	<0.4
Strontium as Sr (mg/l)	0.32	0.32	0.92	0.28	0.32	0.38	0.276	0.34	0.28	0.32	0.45
Silica Total as SiO2 (mg/l)	6.26	5.8	14	5.12	5.66	7.3	3.86	6.56	4.6	5.9	8.35
Mercury Total (ug/l)	<0.005	<0.005	<0.005	<0.005	0.013	<0.005	<0.05	0.005	<0.005	<0.005	<0.005
Carbon Total Organic (TOC) as C (mg/l)	0.93	0.76	1.2	0.68	0.69	0.89	0.73	0.79	0.9	0.82	1
Fluoride as F (mg/l)	0.18	0.16	0.33	0.16	0.17	0.19	0.11	0.18	0.13	0.16	0.23
Sulphate as SO4 (mg/l)	68	65	200	59	68	71	63	68	60	65	94
Boron Total (ug/l)	650	550	510	580	540	445	910	480	670	550	520
Phosphorus Total as P (mg/l)	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	0.11	<0.05	0.05	<0.05	<0.05

Water Supply Zone	8	8	8	8	8	8	8	8	8	9	9	9
Bromoform (ug/l)	12	12	4.2	2.5	12	13	7.4	13	12	12	13	
Chloroform (ug/l)	1	1	0.9	1.1	1.2	1.1	<0.7	1.1	1	0.8	<0.7	
Bromodichloromethane (ug/l)	1.4	1.4	1.3	1.3	1.4	1.3	0.7	1.4	1.4	1.4	1.5	
Chlorodibromomethane (ug/l)	1.7	1.7	1.6	1.5	1.7	1.7	1.1	1.7	1.6	1.7	0.8	
Trihalomethanes (ug/l)	16.1	16.1	8	6.4	16.3	17.1	9.2	17.2	16	15.9	15.3	
Carbon Tetrachloride (CCl4) (ng/l)	155	150	155	160	160	155	<120	155	150	155	<120	
1, 1, 1-Trichloroethane (ug/l)	0.7	0.7	0.7	0.7	0.7	0.7	<0.5	0.7	0.6	0.7	<0.5	
Trichloroethylene (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.3	
Tetrachloroethylene (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Cyanide Total as CN (mg/l)	<0.012	<0.012	<0.012	0.02	0.06	<0.012	<0.012	0.02	<0.012	<0.012	<0.012	
Detergents Anionic Lauryl Sulphate (mg/l)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
Phenolic Substances Total Non-Para (mg/l)	0.0077	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	
Acrylamide (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
TOTAL Polynuclear Aromatic Hydrocarbons (PAHs)	101.7	1.2	0	16.1	40.9	0	0	0	0	135	0	
Fluoranthene (ng/l)	12	<4	<4	12	37	<4	<4	<4	<4	135	<4	
Benzo (b) fluoranthene (ng/l)	19	<2	<2	<2	3.9	<2	<2	<2	<2	<2	<2	
Benzo (k) fluoranthene (ng/l)	8.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Benzo (a) pyrene (ng/l)	8.2	1.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Indeno (123-cd) pyrene (ng/l)	37	<3	<3	4.1	<3	<3	<3	<3	<3	<3	<3	
Benzo (ghi) perylene (ng/l)	17	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	
Chlorides (mg/l)	720	690	1540	670	650	660	650	630	650	660	580	
Conductivity (uS/cm)	2200	2100	4790	2100	2200	2260	2010	2200	2230	2200	2000	
pH	7.75	7.97	7.59	7.97	7.87	7.55	8.23	7.74	8.2	7.75	7.75	
Lab Ref. No.	S/T 88573	S/T 88574	S/T 88575	S/T 88576	S/T 88577	S/T 88578	S/T 88579	S/T 88580	S/T 88581	S/T 88582	S/T 88583	
Methyl Bromide (ug/l)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Dichlorodifluoromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Chloromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Vinyl Chloride (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Bromomethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Chloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Trichlorofluoromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1,1-Dichloroethene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Methylene Chloride (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
trans-1,2-Dichloroethene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1,1-Dichloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	

Water Supply Zone	8	8	8	8	8	8	8	8	8	9	9	9
1,3-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-isopropyltoluene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Water Supply Zone	9	10	10	10	10	10
Lab. Ref. No.	S/T 72382	S/T 72372	S/T 72371	S/T 72373	S/T 72367	S/T 72368
Nitrogen Ammoniacal as N (mg/l)	<0.03	<0.03	<0.03	<0.03	0.48	0.03
Nitrogen Nitrate as N (mg/l)	27.2	13.7	8.8	6.3	3.5	15.6
Permanganate Index N/80 10 min boil as O (mg/l)	0.96	<0.25	0.63	0.98	<0.25	<0.25
Nitrate as NO3 (mg/l)	120.5	60.69	38.98	27.91	15.51	69.11
Nitrite as NO2 (mg/l)	<0.013	0.016	<0.013	0.016	<0.013	<0.013
Ammonical Nitrogen as NH4 (mg/l)	<0.04	<0.04	<0.04	<0.04	0.62	0.04
1,2-Dichloroethane (ug/l)	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Benzene (ug/l)	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Vinyl Chloride (ug/l)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Epichlorhydrin (ug/l)	<0.02	<0.02	0.22	<0.02	<0.02	<0.02
Bromate (mg/l)	<0.01	<0.004	0.033	0.02	<0.004	<0.004
Sulphide as S (mg/l)	<0.23	<0.15	<0.15	<0.15	<0.15	<0.15
Sodium Total (mg/l)	501	145	514	640	206	116
Potassium Total (mg/l)	23.2	11.3	18.1	22.7	17.9	6.3
Calcium Total as Ca (mg/l)	142	88.2	77	105	40.2	90.9
Magnesium Total as Mg (mg/l)	47.6	42	77.3	118	37	28
Iron Total (mg/l)	0.07	0.04	0.1	0.05	0.46	0.07
Manganese Total (mg/l)	0.001	<0.001	0.003	<0.001	0.02	0.004
Cadmium Total (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium Total (ug/l)	1.5	3.9	2.2	2.2	145	2.3
Copper Total (ug/l)	<4	4	<4	23	<4	<4
Lead Total (ug/l)	<1	<1	<1	<1	<1	<1
Nickel Total (ug/l)	<2	<2	3	4	<2	<2
Aluminium Total (mg/l)	<0.005	0.01	0.009	0.01	0.04	<0.005
Arsenic Total (ug/l)	1.4	1.6	2.9	6	2.2	1.1
Selenium Total (ug/l)	4	4	5	8	2	3
Barium Total (ug/l)	28	36	34	36	23	26
Antimony Total ug/l)	<0.4	<0.4	0.5	0.5	0.9	0.6
Strontium as Sr (mg/l)	0.53	1.66	2.6	7.06	1.37	0.9
Silica Total as SiO2 (mg/l)	12.4	15.6	11.8	18.9	6.88	12.6
Mercury Total (ug/l)	<0.005	<0.005	0.11	<0.005	<0.005	<0.005
Carbon Total Organic (TOC) as C (mg/l)	1.3	1.7	1.2	1.7	1.4	3.4
Fluoride as F (mg/l)	0.27	1.2	1.1	2.8	0.63	0.73
Sulphate as SO4 (mg/l)	90	75	115	290	61	42
Boron Total (ug/l)	155	190	385	445	380	110
Phosphorus Total as P (mg/l)	<0.05	0.07	<0.05	<0.05	<0.05	<0.05

Water Supply Zone	9	10	10	10	10	10
Bromoform (ug/l)	7	15	21	56	7.9	7.6
Chloroform (ug/l)	<0.7	<0.7	<0.7	<0.7	0.9	<0.7
Bromodichloromethane (ug/l)	1.5	1.5	1.5	1.7	1.4	1.5
Chlorodibromomethane (ug/l)	0.8	0.9	1.2	2.8	1.6	1
Trihalomethanes (ug/l)	9.3	17.4	23.7	6.05	11.8	10.1
Carbon Tetrachloride (CCl4) (ng/l)	<120	<120	<120	<120	140	<120
1, 1, 1-Trichloroethane (ug/l)	<0.5	<0.5	<0.5	<0.5	0.7	<0.5
Trichloroethylene (ug/l)	<0.5	<0.5	3.1	<0.5	0.6	<0.5
Tetrachloroethylene (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cyanide Total as CN (mg/l)	<0.012	<0.012	<0.012	<0.012	0.04	0.01
Detergents Anionic Lauryl Sulphate (mg/l)	0.04	0.04	0.03	0.03	0.03	0.03
Phenolic Substances Total Non-Para (mg/l)	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
Acrylamide (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TOTAL Polynuclear Aromatic Hydrocarbons (PAHs)	0	0	345	120.2	0	379
Fluoranthene (ng/l)	<4	<4	345	24	<4	220
Benzo (b) fluoranthene (ng/l)	<2	<2	<2	23	<2	44
Benzo (k) fluoranthene (ng/l)	<2	<2	<2	9	<2	23
Benzo (a) pyrene (ng/l)	<1	<1	<1	9.2	<1	39
Indeno (123-cd) pyrene (ng/l)	<3	<3	<3	34	<3	36
Benzo (ghi) perylene (ng/l)	<3	<3	<3	21	<3	17
Chlorides (mg/l)	850	410	1090	1100	480	380
Conductivity (uS/cm)	3100	1653	3560	3860	1666	1588
pH	7.4	7.59	7.6	7.83	7.8	7.5
Lab Ref. No.	S/T 88584	S/T 88585	S/T 88586	S/T 88587	S/T 88588	S/T 88589
Methyl Bromide (ug/l)	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl Chloride (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichlorofluoromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene Chloride (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,2-Dichloroethene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Water Supply Zone	9	10	10	10	10	10
cis-1,2-Dichloroethene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,-Trichloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon Tetrachloride (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloropropane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromoethene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-Dichloropropene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,3-Dichloropropene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromochloromethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromoethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-Tetrachloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
m,p-Xylene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromoform (mg/l)	<0.001	<0.001	<0.001	0.001	0.002	0.005
Styrene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
o-Xylene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-Tetrachloroethane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Propylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trimethylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Water Supply Zone	9	10	10	10	10	10
1,3-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-isopropyltoluene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichlorobenzene (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Table A2.2 – Results of Scan – Pesticides

Parameters	Water Supply Zones				
	1-2	3-6	6-7	7-8	8-10
<p>CARBAMATES / DITHIOCARBAMATES: Ethionfencarb Carbaryl; Dithiocarbamates</p> <p>ORGANOPHOSPHATES: Azinfos etile; Azinfos metile; Bromofos etile; Bromofos metile; Cadusafos; Carbofenotion; Clorfenvinfos; Clormefos; Clorpirifos etile; Clorpirifos metile; Coumaphos; Diazinone; Diclorvos; Dimetoato; Disulfoton; Eptenofos; Etion; Etoprofos; Etrimfos; Fenamifos; Fenitrotion; Fention; Fentoato; Fonofos; Forate; Formotion; Fosalone; Fosfamidone; Fosmet; Iodofenfos; Isofenfos; Malation; Mecarbam</p>	<i>Sheet No. 45</i>	<i>Sheet No.50</i>	<i>Sheet No. 55</i>	<i>Sheet No. 60</i>	<i>Sheet No. 65</i>
<p>ORGANOPHOSPHATES: Metidation; Paration etile; Paration metile; Paraoxon etile; Piridafention; Pirimifos etile; Pirimifos metile; Profenofos; Protoato; Quinalfos; Sulfotep; Terbufos; Tetraclorvinfos; Tionazin; Triazofos; Fosetil alluminio (as acido etilfosfonico); Fosetil alluminio (as acido fosforoso); Glifosate; Acefate; Ometoato; Metamidofos; Mevinfos; Monocrotofos; Triclorfon; Vamidotion</p> <p>ORGANOCHLORINES: Aldrin; Dieldrina; o,p-DDD; p,p-DDD; o,p-DDE; p,p-DDE; o,p-DDT; p,p-DDT; alfa Endosulfan; beta Endosulfan</p>	<i>Sheet No. 46</i>	<i>Sheet No. 51</i>	<i>Sheet No. 56</i>	<i>Sheet No. 61</i>	<i>Sheet No. 66</i>
<p>ORGANOCHLORINES: Endosulfan solfato; Endrin; Endrin aldeide; Eptaclor; Eptaclor epossido; Esaclorobenzene; Dalapon; alfa HCH; beta HCH; delta-HCH; gamma-HCH (lindano); Tetradifon; Tricloronitrometano</p> <p>PYRETHROIDS: Acrinatrin; Alfametrina; Alletrina; Bifentrin; Cipermetrina; Ciflutrina; Deltametrina; Esfenvalerate; Fenpropatrin; Fenvalerate; Flucitricinate; Fluvalinate; Lambdacialotrina; Permetrina; Teflutrin; Tetrametrina; Tralometrina</p> <p>BENZIMIDAZOLES: Benomil; Carbendazim e Tiofanate Metile (as MBC); Tiabendazolo</p> <p>PHTHALMIDE: Captafol</p>	<i>Sheet No. 47</i>	<i>Sheet No. 52</i>	<i>Sheet No. 57</i>	<i>Sheet No. 62</i>	<i>Sheet No. 67</i>
<p>PHTHALMIDE: Captano; Clortalonil; Clozolate; Diclofluanide; Folpet; Iprodione; Pirifenox; Procimidone; Vinclozolin;</p> <p>TRIAZINES: Ametrina; Anilazina; Atrazina; Prometon; Prometrina; Propazina; Simazina; Simetrina; Terbutilazina; Terbutrina</p> <p>BIPYRIDILUM: Diquat; Paraquat;</p> <p>UREA DERIVATES: Cloroxuron; Clortoluron; Diuron; Fenuron; Isoproturon; Linuron; Metobromuron; Metoxuron; Monolinuron; Neburon</p> <p>CHLOROPHENOXY ACIDS: 2,4-D; 2,4,5-T</p>	<i>Sheet No. 48</i>	<i>Sheet No. 53</i>	<i>Sheet No. 58</i>	<i>Sheet No. 63</i>	<i>Sheet No. 68</i>
<p>CHLOROPHENOXY ACIDS: 2,4-DB; 2,4-DP; Digamba; MCPA; MCPB; MCPP</p>	<i>Sheet No. 49</i>	<i>Sheet No. 54</i>	<i>Sheet No. 59</i>	<i>Sheet No. 64</i>	<i>Sheet No. 69</i>

Water Supply Zone	1	1	2	2	2	2	2	2	2	2
SAMPLES REF NO	4018	4019	4020	4021	4022	4023	4024	4025	4026	4027
DESCRIPTION										
Ethionfencarb µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbaryl µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dithiocarbamates µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ORGANOPHOSPHATES										
Azinfos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Azinfos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadusafos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbofenotion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorfenvinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clormefos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorpirifos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorpirifos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coumaphos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diclorvos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimetoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Disulfoton µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptenofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etoprofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etrimfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenamifos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitroton µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fention µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fentoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fonofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Forate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Formotion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosalone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosfamidone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosmet µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iodofenfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isofenfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Malation µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mecarbam µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	1	1	2	2	2	2	2	2	2	2
SAMPLES REF NO	4018	4019	4020	4021	4022	4023	4024	4025	4026	4027
DESCRIPTION										
Metidation µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paration etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paration metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paraoxon etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Piridafention µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirimifos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirimifos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Profenofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Protoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Quinalfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfotep µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Terbufos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetraclorvinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tionazin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Triazofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosetil alluminio (come acido etilfosfonico) µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fosetil alluminio (come acido fosforoso) µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Glifosate µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acefate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ometoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metamidofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mevinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Monocrotofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Triclorfon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vamidoton µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ORGANOCHLORINES										
Aldrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDD µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDE µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDE µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDT µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
alfa Endosulfan µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
beta Endosulfan µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	1	1	2	2	2	2	2	2	2	2
SAMPLES REF NO	4018	4019	4020	4021	4022	4023	4024	4025	4026	4027
DESCRIPTION										
Endosulfan solfato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldeide µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptaclor µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptaclor epossido µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Esaclorobenzene µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dalapon µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
alfa HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
beta HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
delta-HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-HCH (lindano) µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetradifon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tricloronitrometano µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PYRETHROIDS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acinatrín µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alfametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alletrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bifentrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cipermetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ciflutrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Deltametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Esfenvalerate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenpropatrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenvalerate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Flucitrinate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluvalinate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lambdacialotrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Permetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Teflutrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tralometrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BENZIMIDAZOLES	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benomil, Carbendazim e Tiofanate Metile (come MBC) µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tiabendazolo µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PHTHALMIDE										
Captafol µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	1	1	2	2	2	2	2	2	2	2
SAMPLES REF NO	4018	4019	4020	4021	4022	4023	4024	4025	4026	4027
DESCRIPTION										
Captano µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clortalonil µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clozolate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diclofluamide µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Folpet µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iprodione µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirifenox µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Procimidone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinclozolin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRIAZINES	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anilazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Atrazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Prometon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Prometrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Propazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Simazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Simetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Terbutilazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Terbutrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BIPYRIDILIUM	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diquat µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paraquat µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
UREA DERIVATES	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cloroxuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clortoluron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isoproturon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Linuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metobromuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metoxuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Monolinuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Neburon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
CHLOROPHOXY ACIDS										
2,4-D µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4,5-T µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Water Supply Zone	1	1	2	2	2	2	2	2	2	2
SAMPLES REF NO	4018	4019	4020	4021	4022	4023	4024	4025	4026	4027
DESCRIPTION										
2,4-DB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-DP µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Digamba µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPA µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Water Supply Zone	3	3	3	3	4	4	5	5	6	6
SAMPLES REF NO	4028	4029	4030	4031	4032	4033	4034	4035	4036	4037
DESCRIPTION										
Ethionfencarb µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbaryl µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dithiocarbamates µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ORGANOPHOSPHATES										
Azinfos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Azinfos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadusafos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbofenotio µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorfenvinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clormefos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorpirifos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorpirifos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coumaphos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diclorvos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimetoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Disulfoton µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptenofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etoprofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etrimfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenamifos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitroton µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fention µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fentoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fonofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Forate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Formotion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosalone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosfamidone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosmet µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iodofenfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isofenfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Malation µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mecarbam µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	3	3	3	3	4	4	5	5	6	6
SAMPLES REF NO	4028	4029	4030	4031	4032	4033	4034	4035	4036	4037
DESCRIPTION										
Metidation µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paration etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paration metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paraoxon etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Piridafention µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirimifos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirimifos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Profenofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Protoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Quinalfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfotep µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Terbufos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetraclorvinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tionazin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Triazofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosetil alluminio (come acido etilfosfonico) µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fosetil alluminio (come acido fosforoso) µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Glifosate µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acefate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ometoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metamidofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mevinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Monocrotofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Triclorfon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vamidotion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ORGANOCHLORINES										
Aldrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDD µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDE µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDE µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDT µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
alfa Endosulfan µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
beta Endosulfan µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	3	3	3	3	4	4	5	5	6	6
SAMPLES REF NO	4028	4029	4030	4031	4032	4033	4034	4035	4036	4037
DESCRIPTION										
Endosulfan solfato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldeide µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptaclor µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptaclor epossido µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Esaclorobenzene µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dalapon µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
alfa HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
beta HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
delta-HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-HCH (lindano) µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetradifon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tricloronitrometano µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PYRETHROIDS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acinatrín µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alfametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alletrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bifentrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cipermetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ciflutrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Deltametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Esfenvalerate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenpropatrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenvalerate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Flucitrinate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluvalinate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lambdacialotrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Permetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Teflutrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tralometrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BENZIMIDAZOLES	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benomil, Carbendazim e Tiofanate Metile (come MBC) µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tiabendazolo µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PHTHALMIDE										
Captafol µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	3	3	3	3	4	4	5	5	6	6
SAMPLES REF NO	4028	4029	4030	4031	4032	4033	4034	4035	4036	4037
DESCRIPTION										
Captano µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clortalonil µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clozolate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diclofluamide µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Folpet µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iprodione µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirifenox µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Procimidone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinclozolin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRIAZINES	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anilazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Atrazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Prometon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Prometrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Propazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Simazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Simetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Terbutilazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Terbutrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BIPYRIDILUM	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diquat µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paraquat µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
UREA DERIVATES	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cloroxuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clortoluron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isoproturon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Linuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metobromuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metoxuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Monolinuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Neburon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
CHLOROPHOXY ACIDS										
2,4-D µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4,5-T µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Water Supply Zone	3	3	3	3	4	4	5	5	6	6
SAMPLES REF NO	4028	4029	4030	4031	4032	4033	4034	4035	4036	4037
DESCRIPTION										
2,4-DB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-DP µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Digamba µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPA µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Water Supply Zone	6	6	6	6	6	6	6	6	7	7
SAMPLES REF NO	4038	4039	4040	4041	4042	4043	4044	4045	4046	4047
DESCRIPTION										
Ethionencarb µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbaryl µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dithiocarbamates µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ORGANOPHOSPHATES										
Azinfos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Azinfos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadusafos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbofenotion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorfenvinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clormefos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorpirifos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorpirifos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coumaphos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diclorvos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimetoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Disulfoton µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptenofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etoprofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etrimfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenamifos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitroton µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fention µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fentoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fonofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Forate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Formotion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosalone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosfamidone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosmet µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iodofenfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isofenfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Malation µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mecarbam µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	6	6	6	6	6	6	6	6	7	7
SAMPLES REF NO	4038	4039	4040	4041	4042	4043	4044	4045	4046	4047
DESCRIPTION										
Metidation µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paration etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paration metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paraoxon etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Piridafention µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirimifos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirimifos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Profenofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Protoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Quinalfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfotep µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Terbufos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetraclorvinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tionazin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Triazofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosetil alluminio (come acido etilfosfonico) µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fosetil alluminio (come acido fosforoso) µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Glifosate µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acefate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ometoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metamidofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mevinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Monocrotofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Triclorfon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vamidotion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ORGANOCHLORINES										
Aldrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDD µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDE µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDE µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDT µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
alfa Endosulfan µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
beta Endosulfan µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	6	6	6	6	6	6	6	6	7	7
SAMPLES REF NO	4038	4039	4040	4041	4042	4043	4044	4045	4046	4047
DESCRIPTION										
Endosulfan solfato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldeide µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptaclor µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptaclor epossido µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Esaclorobenzene µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dalapon µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
alfa HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
beta HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
delta-HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-HCH (lindano) µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetradifon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tricloronitrometano µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PYRETHROIDS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acinatrín µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alfametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alletrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bifentrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cipermetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ciflutrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Deltametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Esfenvalerate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenpropatrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenvalerate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Flucitrinate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluvalinate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lambdacialotrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Permetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Teflutrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tralometrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BENZIMIDAZOLES	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benomil, Carbendazim e Tiofanate Metile (come MBC) µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tiabendazolo µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PHTHALMIDE										
Captafol µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	6	6	6	6	6	6	6	6	7	7
SAMPLES REF NO	4038	4039	4040	4041	4042	4043	4044	4045	4046	4047
DESCRIPTION										
Captano µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clortalonil µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clozolate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diclofluamide µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Folpet µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iprodione µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirifenox µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Procimidone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinclozolin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRIAZINES	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anilazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Atrazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Prometon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Prometrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Propazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Simazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Simetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Terbutilazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Terbutrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BIPYRIDILIUM	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diquat µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paraquat µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
UREA DERIVATES	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cloroxuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clortoluron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isoproturon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Linuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metobromuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metoxuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Monolinuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Neburon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
CHLOROPHOXY ACIDS										
2,4-D µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4,5-T µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Water Supply Zone	7	8	8	8	8	8	8	8	8	8
SAMPLES REF NO	4048	4049	4050	4051	4052	4053	4054	4055	4056	4057
DESCRIPTION										
Ethionencarb µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbaryl µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dithiocarbamates µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ORGANOPHOSPHATES										
Azinfos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Azinfos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadusafos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbofenotio µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorfenvinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clormefos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorpirifos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorpirifos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coumaphos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diclorvos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimetoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Disulfoton µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptenofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etoprofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etrimfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenamifos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitroton µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fention µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fentoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fonofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Forate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Formotion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosalone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosfamidone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosmet µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iodofenfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isofenfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Malation µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mecarbam µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	7	8	8	8	8	8	8	8	8	8
SAMPLES REF NO	4048	4049	4050	4051	4052	4053	4054	4055	4056	4057
DESCRIPTION										
Metidation µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paration etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paration metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paraoxon etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Piridafention µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirimifos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirimifos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Profenofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Protoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Quinalfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfotep µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Terbufos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetraclorvinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tionazin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Triazofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosetil alluminio (come acido etilfosfonico) µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fosetil alluminio (come acido fosforoso) µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Glifosate µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acefate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ometoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metamidofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mevinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Monocrotofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Triclorfon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vamidoton µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ORGANOCHLORINES										
Aldrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDD µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDE µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDE µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDT µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
alfa Endosulfan µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
beta Endosulfan µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	7	8	8	8	8	8	8	8	8	8
SAMPLES REF NO	4048	4049	4050	4051	4052	4053	4054	4055	4056	4057
DESCRIPTION										
Endosulfan solfato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldeide µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptaclor µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptaclor epossido µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Esaclorobenzene µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dalapon µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
alfa HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
beta HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
delta-HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-HCH (lindano) µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetradifon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tricloronitrometano µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PYRETHROIDS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acinatrín µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alfametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alletrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bifentrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cipermetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ciflutrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Deltametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Esfenvalerate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenpropatrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenvalerate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Flucitrinate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluvalinate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lambdacialotrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Permetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Teflutrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tralometrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BENZIMIDAZOLES	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benomil, Carbendazim e Tiofanate Metile (come MBC) µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tiabendazolo µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PHTHALMIDE										
Captafol µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	7	8	8	8	8	8	8	8	8	8
SAMPLES REF NO	4048	4049	4050	4051	4052	4053	4054	4055	4056	4057
DESCRIPTION										
Captano µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clortalonil µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clozolate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diclofluamide µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Folpet µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iprodione µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirifenox µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Procimidone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinclozolin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRIAZINES	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anilazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Atrazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Prometon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Prometrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Propazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Simazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Simetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Terbutilazina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Terbutrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BIPYRIDILUM	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diquat µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paraquat µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
UREA DERIVATES	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cloroxuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clortoluron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isoproturon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Linuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metobromuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metoxuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Monolinuron µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Neburon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
CHLOROPHOXY ACIDS										
2,4-D µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4,5-T µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Water Supply Zone	7	8	8	8	8	8	8	8	8	8
SAMPLES REF NO	4048	4049	4050	4051	4052	4053	4054	4055	4056	4057
DESCRIPTION										
2,4-DB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-DP µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Digamba µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPA µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Water Supply Zone	8	9	9	9	9	10	10	10	10	10
SAMPLES REF NO	4058	4059	4060	4061	4062	4063	4064	4065	4066	4067
DESCRIPTION										
Ethionencarb µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbaryl µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dithiocarbamates µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ORGANOPHOSPHATES										
Azinfos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Azinfos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadusafos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbofenotion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorfenvinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clormefos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorpirifos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Clorpirifos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coumaphos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diclorvos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimetoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Disulfoton µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptenofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etoprofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Etrimfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenamifos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitroton µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fention µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fentoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fonofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Forate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Formotion µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosalone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosfamidone µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosmet µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iodofenfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isofenfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Malation µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mecarbam µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	8	9	9	9	9	10	10	10	10	10
SAMPLES REF NO	4058	4059	4060	4061	4062	4063	4064	4065	4066	4067
DESCRIPTION										
Metidation µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paration etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paration metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paraoxon etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Piridafention µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirimifos etile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirimifos metile µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Profenofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Protoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Quinalfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfotep µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Terbufos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetraclorvinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tionazin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Triazofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fosetil alluminio (come acido etilfosfonico) µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fosetil alluminio (come acido fosforoso) µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Glifosate µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acefate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ometoato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metamidofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mevinfos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Monocrotofos µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Triclorfon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vamidoton µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ORGANOCHLORINES										
Aldrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDD µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDE µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDE µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDT µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
alfa Endosulfan µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
beta Endosulfan µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	8	9	9	9	9	10	10	10	10	10
SAMPLES REF NO	4058	4059	4060	4061	4062	4063	4064	4065	4066	4067
DESCRIPTION										
Endosulfan solfato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldeide µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptaclor µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptaclor epossido µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Esaclorobenzene µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dalapon µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
alfa HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
beta HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
delta-HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-HCH (lindano) µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetradifon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tricloronitrometano µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PYRETHROIDS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acinatrín µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alfametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alletrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bifentrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cipermetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ciflutrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Deltametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Esfenvalerate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenpropatrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenvalerate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Flucitrinate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluvalinate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lambdacialotrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Permetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Teflutrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tralometrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BENZIMIDAZOLES	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benomil, Carbendazim e Tiofanate Metile (come MBC) µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tiabendazolo µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PHTHALMIDE										
Captafol µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	8	9	9	9	9	10	10	10	10	10
SAMPLES REF NO	4058	4059	4060	4061	4062	4063	4064	4065	4066	4067
DESCRIPTION										
Endosulfan solfato µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldeide µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptaclor µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Eptaclor epossido µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Esaclorobenzene µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dalapon µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
alfa HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
beta HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
delta-HCH µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-HCH (lindano) µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetradifon µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tricloronitrometano µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PYRETHROIDS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acinatrín µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alfametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alletrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bifentrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cipermetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ciflutrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Deltametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Esfenvalerate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenpropatrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenvalerate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Flucitrinate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluvalinate µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lambdacialotrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Permetrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Teflutrin µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrametrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tralometrina µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BENZIMIDAZOLES	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benomil, Carbendazim e Tiofanate Metile (come MBC) µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tiabendazolo µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PHTHALMIDE										
Captafol µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Water Supply Zone	8	9	9	9	9	10	10	10	10	10
SAMPLES REF NO	4058	4059	4060	4061	4062	4063	4064	4065	4066	4067
DESCRIPTION										
2,4-DB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-DP µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Digamba µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPA µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPB µg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Table A2.3 – Results of further Investigations – Second Set

Parameters	Supply zones 1-3	Supply zones 5-7	Supply zones 8-10	Supply zone 10
Epichlorohydrin (ug/l); Bromate (mg/l); Chromium Total (ug/l); Boron Total (ug/l); Cyanide Total as CN (mg/l); Polynuclear Aromatic Hydrocarbons (PAHs) Total (ng/l); Fluoranthene (ng/l); Benzo (b) fluoranthene (ng/l); Benzo (k) fluoranthene (ng/l); Benzo (a) pyrene (ng/l); Indeno (123-cd) pyrene (ng/l); Benzo (ghi) perylene (ng/l)	<i>Sheet No. 71</i>	<i>Sheet No. 72</i>	<i>Sheet No. 73</i>	<i>Sheet No. 74</i>

Water Supply zone

	1	1	1	1	2	2	2	2	3	3	3
Lab. Ref. No.	S/T 88681	S/T 88682	S/T 88669	S/T 88668	S/T 88707	S/T 88667	S/T 88647	S/T 88638	S/T 88720	S/T 88712	S/T 88653
Epichlorohydrin (ug/l)			<0.02	<0.02		<0.02	<0.02	<0.02			<0.02
Bromate (mg/l)	<0.005	<0.005									
Chromium Total (ug/l)											
Boron Total (ug/l)					750						
Cyanide Total as CN (mg/l)									<0.005	<0.005	
Polynuclear Aromatic Hydrocarbons (PAHs) Total (ng/l)											
Fluoranthene (ng/l)											
Benzo (b) fluoranthene (ng/l)											
Benzo (k) fluoranthene (ng/l)											
Benzo (a) pyrene (ng/l)											
Indeno (123-cd) pyrene (ng/l)											
Benzo (ghi) perylene (ng/l)											

Water Supply zone

	5	5	5	6	6	7	7	7	7	7	7
Lab. Ref. No.	S/T 88659	S/T 88632	S/T 88660	S/T 97207	S/T 97209	S/T 88510	S/T 88509	S/T 88725	S/T 88717	S/T 88716	S/T 88719
Epichlorohydrin (ug/l)	<0.02	<0.02	<0.02								
Bromate (mg/l)											
Chromium Total (ug/l)						<0.6	<0.6	<0.6			
Boron Total (ug/l)											
Cyanide Total as CN (mg/l)									<0.005	<0.005	<0.005
Polynuclear Aromatic Hydrocarbons (PAHs) Total (ng/l)				34	<15						
Fluoranthene (ng/l)				34	<4						
Benzo (b) fluoranthene (ng/l)				<2	<2						
Benzo (k) fluoranthene (ng/l)				<2	<2						
Benzo (a) pyrene (ng/l)				<1	<1						
Indeno (123-cd) pyrene (ng/l)				<3	<3						
Benzo (ghi) perylene (ng/l)				<3	<3						

Water Supply zone

	8	8	8	8	8	9	9	10	10	10	10
Lab. Ref. No.	S/T 97212	S/T 97211	S/T 88714	S/T 88718	S/T 88715	S/T 97208	S/T 97226	S/T 88663	S/T 88633	S/T 88664	S/T 88692
Epichlorohydrin (ug/l)								<0.02	<0.02	<0.02	
Bromate (mg/l)											<0.005
Chromium Total (ug/l)											
Boron Total (ug/l)											
Cyanide Total as CN (mg/l)			<0.005	<0.005	<0.005						
Polynuclear Aromatic Hydrocarbons (PAHs) Total (ng/l)	Broken sample	<15				<15	<15				
Fluoranthene (ng/l)	Broken sample	<4				<4	<4				
Benzo (b) fluoranthene (ng/l)	Broken sample	<2				<2	<2				
Benzo (k) fluoranthene (ng/l)	Broken sample	<2				<2	<2				
Benzo (a) pyrene (ng/l)	Broken sample	<1				<1	<1				
Indeno (123-cd) pyrene (ng/l)	Broken sample	<3				<3	<3				
Benzo (ghi) perylene (ng/l)	Broken sample	<3				<3	<3				

Water Supply zone

	10	10	10	10	10	10	10	10	10	10
Lab. Ref. No.	S/T 88678	S/T 88680	S/T 97210	S/T 97219	S/T 97221	S/T 97223	S/T 97220	S/T 97218	S/T 88721	S/T 88723
Epichlorohydrin (ug/l)										
Bromate (mg/l)	<0.005	<0.005								
Chromium Total (ug/l)									1.7	1.7
Boron Total (ug/l)										
Cyanide Total as CN (mg/l)										
Polynuclear Aromatic Hydrocarbons (PAHs) Total (ng/l)			10	<15	<15	11	<15	<15		
Fluoranthene (ng/l)			10	<4	<4	11	<4	<4		
Benzo (b) fluoranthene (ng/l)			<2	<2	<2	<2	<2	<2		
Benzo (k) fluoranthene (ng/l)			<2	<2	<2	<2	<2	<2		
Benzo (a) pyrene (ng/l)			<1	<1	<1	<1	<1	<1		
Indeno (123-cd) pyrene (ng/l)			<3	<3	<3	<3	<3	<3		
Benzo (ghi) perylene (ng/l)			<3	<3	<3	<3	<3	<3		

APPENDIX 3

A3.1 Chlorides

Table A3.1 shows chlorides for towns and villages during 1999.

Table A3.1 – Chlorides – 1999

LOCALITY	CHLORIDES RANGE MG/L CL-	SD	MEAN
Attard	480-745	111.01	633.75
Bahrija	500-805	126.56	635.00
B'Buga	830-960	64.55	895.00
Bingemma	290-490	85.24	370.00
B'Kara	480-590	55.60	537.50
Bulebel	640-700	34.64	670.00
Cospicua	620-670	23.63	652.50
Dingli	490-660	87.56	570.00
Fgura	430-705	124.26	602.50
Floriana	290-330	16.33	310.00
Gh.Tuffieha	320-420	48.99	360.00
Gharghur	780-1015	103.79	921.25
Ghaxaq	580-1130	291.03	800.00
G'Mangia	540-710	90.32	617.50
Gudja	600-700	57.74	633.33
Hal Far	1710-1800	42.43	1760.00
Kalkara	530-695	76.85	641.25
Kirkop	610-710	58.52	677.50
Luqa	355-765	168.74	576.25
Manikata	280-430	69.76	340.00
Marsa	530-570	20.62	547.50
Mellieha	270-300	25.00	267.50
Mgarr	270-435	75.98	341.25
Mosta	670-1890	516.81	1367.50
Mqabba	460-790	178.02	623.75
M'Scala	610-730	50.99	660.00
Msida	300-540	116.76	365.00
M'Xlokk	570-710	57.45	635.00
Naxxar	640-1145	250.88	888.75
Paola	610-730	65.11	671.25
Qormi	665-1110	193.97	946.25
Qrendi	690-895	90.50	766.25
Rabat	490-655	93.84	571.25
Safi	460-790	138.47	651.25
San Gwann	350-540	89.57	476.25
Siggiewi	325-1060	348.74	846.25
Sliema	320-380	27.08	340.00
St Julians	300-370	33.04	347.50
St Paul's Bay	240-330	39.16	290.00
Sta Lucia	590-745	75.98	658.75
Tarxien	660-730	28.72	697.50
Valletta	280-330	21.60	310.00
Zabbar	640-730	40.31	672.50
Zebbiegh	260-435	75.43	336.25
Zebbug	650-1130	206.16	945.00
Zejtun	615-700	39.66	648.75
Zurrieq	470-780	131.78	645.00
Ghajnsielem	420-890	195.36	625.00

LOCALITY	CHLORIDES RANGE MG/L CL-	SD	MEAN
Gharb	520-920	182.59	671.25
Ghasri	530-790	141.98	667.50
Kercem	420-1080	326.70	590.00
M'Forn	670-790	56.79	707.50
Mgarr	440-700	108.74	587.50
Munxar	370-430	26.30	407.50
Nadur	590-600	5.77	595.00
Qala	590-610	9.57	602.50
Rabat (Gozo)	410-775	175.05	592.50
San Lawrenz	550-930	161.11	733.75
Sannat	390-480	36.86	432.50
Xaghra	580-790	94.87	650.00
Xewkija	420-695	130.22	536.25
Xlendi	390-940	262.47	547.50
Zebbug (Gozo)	580-1090	217.72	790.00

Table A3.2 shows the range, mean and standard deviation for chlorides tested at the main groundwater sources (pumping stations) for the period 1997 – 1999.

Table A3.2 – Trends in Chlorides - Pumping Stations: 1997-1999

SITE NAME	Bakkja	Bingemma	Falka	Kandja	Mgarr	Mizieb	Qali	Speranza	Tal-Hlas	Wied il-Ghasel	Wied il-Kbir	M'forn	Xewkija
Range - 1999 mg/L (Cl-)	960-1280	160-200	130-200	1320-2065	180-230	230-280	910-1220	970-1930	1020-1160	500-680	460-760	430-560	230-670
SD - 1999 mg/L (Cl-)	112	11	22	187	14	14	100	247	121	53	84	44	21
Mean 1999 mg/L (Cl-)	1095	183	165	1602	203	252	1027	1357	1047	538	516	510	566
Production 1999 (m³)	1,818,810	312,240	57,600	1,326,630	177,850	463,630	1,392,574	1,658,290	1,152,350	171,810	836,580	45,300	157,580
Range - 1998 mg/L (Cl-)	890-1140	150-190	160-280	1080-2050	170-230	230-280	420-960	350-770	390-1110	470-740	420-680	540-660	340-935
SD - 1998 mg/L (Cl-)	79	13	35	305	22	13	225	125	274	68	75	21	244
Mean 1998 mg/L (Cl-)	1049	174	218	1616	190	251	738	513	832	552	483	566	503
Production 1998 (m³)	1,974,110	323,904	112,020	1,072,108	234,350	465,460	1,117,674	1,470,730	863,860	174,820	939,020	49,460	135,250
Range - 1997 mg/L (Cl-)	1050-1260	170-1490	210-300	2230-3770	170-220	250-290	420-1280	360-1490	320-1290	520-920	380-560		
SD - 1997 mg/L (Cl-)	61	458	24	478	14	13	238	334	296	141	42		
Mean 1997 mg/L (Cl-)	1123	458	241	2861	189	267	1031	1078	1059	643	481		
Production 1997 (m³)	1,979,210	378,460	123,940	1,923,080	271,330	499,230	1,283,980	1,590,830	876,050	152,580	842,450	31,100	159,620

Note: Pumping Stations offline:

Tal-Hlas: Dec'99; Feb '98; part Oct '98, Oct-Dec '97.

Wied il-Kbir Dec '99; Jan – Feb. '98; Sept-Dec '97

Table A3.3 shows the range, mean and standard deviation for chlorides tested at reverse osmosis plants for the period 1998 – 1999.

Table A3.3 – Trends in Chlorides - R.O Plants: 1998-1999

RO PLANT	Range Chlorides mg/l	SD	Mean Chlorides mg/l
Cirkewwa R.O.	200-400	67	321
Lapsi R.O.	160-560	138	399
Marsa R.O.	130-230	45	168
Pembroke R.O.	240-380	51	331

A3.2 Nitrates

Table A3.4 shows the nitrates for towns and villages during 1999.

Table A3.4 – Nitrates – 1999

LOCALITY	NITRATES RANGE MG/L NO ₃	SD	MEAN
Attard	47-53	2.54	49.28
Bahrija	45-52	3.24	48.72
B'Buga	51-76	10.27	62.47
Bingemma	16-56	19.43	26.69
B'Kara	18-35	8.36	29.68
Bulebel	22-37	6.05	28.69
Cospicua	20-37	7.49	30.68
Dingli	51-57	3.02	52.94
Fgura	23-37	5.94	29.02
Floriana	2-4	1.14	3.10
Gh.Tuffieha	2-3	0.45	1.99
Gharghur	56-63	3.85	59.14
Ghaxaq	25-93	38.29	49.32
G'Mangia	36-53	8.45	46.39
Gudja	19-39	11.08	26.28
Hal Far	33-37	1.97	35.22
Kalkara	18-35	7.96	29.13
Kirkop	18-36	8.02	29.57
Luqa	24-35	5.02	27.58
Manikata	2-4	1.12	2.88
Marsa	36-44	3.64	39.65
Mellieha	19-43	9.66	32.79
Mgarr	3-17	6.59	12.40
Mosta	82-95	6.07	85.72
Mqabba	20-68	22.15	53.05
M'Scala	19-35	6.97	28.91
Msida	4-42	18.62	13.73
M'Xlokk	16-37	10.26	28.35
Naxxar	51-66	6.05	57.59
Paola	19-35	7.49	25.69
Qormi	20-71	23.91	50.28
Qrendi	32-109	31.63	68.11
Rabat	47-58	7.03	55.60
Safi	23-36	7.36	27.84
San Gwann	4-24	8.75	17.28
Siggiewi	68-77	4.05	71.10
Sliema	2-5	1.52	3.77
St Julians	2-4	1.11	2.99
St Paul's Bay	4-21	7.66	10.48
Sta Lucia	19-37	7.36	27.69
Tarxien	24-34	4.80	30.99
Valletta	3-4	0.85	3.33
Zabbar	18-36	8.29	30.46
Zebbiegh	3-18	6.80	12.62
Zebbug	25-74	23.11	59.36
Zejtun	21-45	10.02	32.58
Zurrieq	22-37	6.72	31.67
Ghajnsielem	29-46	7.16	36.06
Gharb	38-54	7.36	43.32
Ghasri	40-50	4.30	45.40
Kercem	35-62	12.52	50.08
M'Forn	37-42	2.86	39.69
Mgarr	27-45	8.77	37.30
Munxar	57-60	1.21	58.59

LOCALITY	NITRATES RANGE MG/L NO₃	SD	MEAN
Nadur	23-35	5.53	31.10
Qala	24-35	4.54	30.34
Rabat (Gozo)	21-59	11.99	44.87
San Lawrenz	36-40	1.55	38.05
Sannat	60-63	1.34	62.11
Xaghra	29-45	6.71	36.19
Xewkija	38-60	9.33	47.27
Xlendi	56-74	7.94	63.12
Zebbug (Gozo)	35-40	2.15	37.04

Table A3.5 shows the range, mean and standard deviation for nitrates tested at the main groundwater sources (pumping stations) for the period 1997 – 1999.

Table A3.5 – Nitrates Trends – Pumping Stations: 1997-1999

SITE NAME	Bakkja	Bingemma	Falka	Kandja	Mgarr	Mizieb	Qali	Speranza	Tal-Hlas	Wied il-Ghasel	Wied il-Kbir	M/forn	Xewkija
Nitrates Range 1999 (mg/l)	62-78	100-120	59-104	49-61	105-183	35-44	55-65	75-90	84-108	31-46	62-99	28-54	39-66
SD 1999	5	6	14	4	24	3	3	4	6	4	13	9	8
Mean 1999	69	110	73	54	157	41	60	82	93	36	82	40	44
Nitrates Range 1998 (mg/l)	51-77	96-113	47-64	45-57	125-173	35-44	59-74	82-97	83-101	31-41	74-95	35-71	40-53
SD 1998	7	6	6	3	14	2	5	5	4	3	6	13	5
Mean 1998	70	106	51	51	147	40	64	88	90	34	83	46	44
Nitrates Range 1997 (mg/l)	42-76	101-117	45-55	37-50	121-168	34-45	30-62	71-97	68-98	29-38	74-104		
SD 1997	9	5	3	4	17	3	8	7	8	3	8		
Mean 1997	67	107	51	45	147	41	56	82	82	33	86		

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