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ANALYSIS REPORT

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SPv1

Client:

Tauranga City Council Laboratory

Contact:

D Hawkes C/- Tauranga City Council Laboratory

Private Bag 12022 TAURANGA 3143

 Lab No:
 802020

 Date Registered:
 18-Jun-2010

 Date Reported:
 01-Jul-2010

 Quote No:
 31415

Order No:

Client Reference: Retic Water - Comprehensive

Submitted By: R Cairns

Sample Type: Aqueous						
	ample Name:	100600355	100600356			
_		Fergusson Park	Gordon Spratt			
		17-Jun-2010	17-Jun-2010			
	Lab Number:	802020.1	802020.2			
Individual Tests					T	
Phenolphthalein Alkalinity	g/m³ as CaCO ₃	< 1.0	< 1.0	-	-	-
Total Alkalinity	g/m³ as CaCO ₃	17.9	15.9	-	-	-
Total Hardness	g/m³ as CaCO ₃	10.3	8.1	-	-	-
Boron	g/m³	0.009	0.008	-	-	-
Calcium	g/m³	3.0	2.3	-	-	-
Iron	g/m³	< 0.02	< 0.02	-	-	-
Lithium	g/m³	0.0033	0.0027	-	-	-
Magnesium	g/m³	0.66	0.59	-	-	-
Manganese	g/m³	0.0041	0.0007	-	-	-
Total Mercury	g/m³	< 0.00008	< 0.00008	-	-	-
Potassium	g/m³	2.8	2.1	-	-	-
Selenium	g/m³	< 0.0010	< 0.0010	-	-	-
Sodium	g/m³	10.3	10.6	-	-	-
Bromide	g/m³	0.26	0.08	-	-	-
Total Cyanide	g/m³	< 0.0010	< 0.0010	-	-	-
Chloride	g/m³	8.8	10.6	-	-	-
Chlorate	g/m³	0.023	0.055	-	-	-
Fluoride	g/m³	< 0.05	< 0.05	-	-	-
Sulphate	g/m³	4.3	1.7	-	-	-
Heavy metals Potable (As,Cd,C	r,Cu,Ni,Pb,Zn)					
Arsenic	g/m³	< 0.0010	< 0.0010	-	-	-
Cadmium	g/m³	< 0.00005	< 0.00005	-	-	-
Chromium	g/m³	< 0.0005	< 0.0005	-	-	-
Copper	g/m³	< 0.0005	0.0049	-	-	-
Lead	g/m³	< 0.00010	0.00015	-	-	-
Nickel	g/m³	< 0.0005	< 0.0005	-	-	-
Zinc	g/m³	0.0038	0.0039	-	-	-
Acid Herbicides Trace in Water	by LCMSMS					,
Acifluorfen	g/m³	< 0.00004	< 0.00004	-	-	-
Bentazone	g/m³	< 0.00004	< 0.00004	-	-	-
Bromoxynil	g/m ³	< 0.00004	< 0.00004	-	-	-
Clopyralid	g/m ³	< 0.00006	< 0.00006	-	-	-
2,4-Dichlorophenoxyacetic acid	(24D) g/m ³	< 0.00004	< 0.00004	-	-	-
2,4-Dichlorophenoxybutyric acid	I (24DB) g/m ³	< 0.00004	< 0.00004	-	-	-
Dicamba	g/m³	< 0.00004	< 0.00004	-	-	-
Dichlorprop	g/m ³	< 0.00004	< 0.00004	-	-	-
Fluazifop	g/m ³	< 0.00004	< 0.00004	-	-	-



This Laboratory is accredited by International Accreditation New Zealand (IANZ), which represents New Zealand in the International Laboratory Accreditation Cooperation (ILAC). Through the ILAC Mutual Recognition Arrangement (ILAC-MRA) this accreditation is internationally recognised.

The tests reported herein have been performed in accordance with the terms of accreditation, with the exception of tests marked *, which

The tests reported herein have been performed in accordance with the terms of accreditation, with the exception of tests marked *, which laboratory are not accredited.

Sample Type: Aqueous						
Sample	Name:	100600355 Fergusson Park 17-Jun-2010	100600356 Gordon Spratt 17-Jun-2010			
Lab Nu	ımber:	802020.1	802020.2			
Acid Herbicides Trace in Water by LCM	SMS					
Fluroxypyr	g/m³	< 0.00004	< 0.00004	-	-	-
Haloxyfop	g/m³	< 0.0004	< 0.00004	-	-	-
MCPA	g/m ³	< 0.00004	< 0.00004	-	-	-
МСРВ	g/m ³	< 0.00004	< 0.00004	-	-	-
Mecoprop	g/m ³	< 0.00004	< 0.00004	_	-	-
Oryzalin	g/m ³	< 0.00006	< 0.00006	_	-	-
2,3,4,6-Tetrachlorophenol	g/m ³	< 0.00004	< 0.00004	-	-	-
2,4,5-trichlorophenoxypropionic acid (245TP,Fenoprop, Silvex)	g/m ³	< 0.00004	< 0.00004	-	-	-
2,4,5-Trichlorophenoxyacetic acid (245T) g/m ³	< 0.00004	< 0.00004	-	-	-
Pentachlorophenol (PCP)	g/m ³	< 0.00004	< 0.00004	-	-	-
Picloram	g/m³	< 0.00011	< 0.00011	-	-	-
Quizalofop	g/m ³	< 0.00004	< 0.00004	-	-	-
Triclopyr	g/m ³	< 0.00007	< 0.00007	-	-	-
Organonitro&phosphorus Pesticides Sc			- -	I		
Acetochlor	g/m³	< 0.0004	< 0.0004	_	_	_
Alachlor	g/m ³	< 0.0003	< 0.0003	-	_	-
Atrazine	g/m ³	< 0.0004	< 0.0004	-	_	-
Atrazine-desethyl	g/m ³	< 0.0004	< 0.0004	_	_	_
Atrazine-desisopropyl	g/m ³	< 0.0007	< 0.0007	_	_	_
Azaconazole	g/m³	< 0.0007	< 0.0007	_	_	_
Azinphos-methyl	g/m ³	< 0.0002	< 0.0002	_	_	_
Benalaxyl	g/m³	< 0.0007	< 0.0007	_	_	_
Bitertanol	g/m³	< 0.0002	< 0.0002	_	<u>-</u>	_
Bromacil	g/m³	< 0.0007	< 0.0007	_	<u>-</u>	_
Bromopropylate	g/m³	< 0.0004	< 0.0004	_		_
Butachlor	g/m³	< 0.0004	< 0.0004	-	-	-
Captan	g/m³	< 0.0004	< 0.0004	-	<u> </u>	-
Carbaryl	g/m³	< 0.0007	< 0.0007	-	-	-
Carbofuran	g/m ³	< 0.0004	< 0.0004	_	_	-
Chlorfluazuron	g/m³	< 0.0004	< 0.0004	_	<u>-</u>	_
Chlorothalonil	g/m³	< 0.0004	< 0.0004	-	<u>-</u>	-
Chlorpyrifos	g/m³	< 0.0004	< 0.0004	_	<u>-</u>	_
Chlorpyrifos-methyl	g/m³	< 0.0004	< 0.0004	_	<u>-</u>	_
Chlortoluron	g/m³	< 0.0004	< 0.0004	_	<u>-</u>	-
Cyanazine	g/m³	< 0.0007	< 0.0007	_	<u>-</u>	_
Cyfluthrin	g/m³	< 0.0004	< 0.0004	_	<u>-</u>	_
Cyhalothrin	g/m³	< 0.0004	< 0.0004	_	<u>-</u>	-
Cypermethrin	g/m³	< 0.0007	< 0.0007	_	_	_
Deltamethrin	g/m ³	< 0.0004	< 0.0004	_	<u>-</u>	_
Diazinon	g/m³	< 0.0004	< 0.0004	_	<u>-</u>	-
Dichlofluanid	g/m³	< 0.0002	< 0.0002	-	-	-
Dichloran	g/m³	< 0.002	< 0.002	_	-	-
Dichlorvos	g/m³	< 0.002	< 0.002	-	<u>-</u>	-
Difenoconazole	g/m³	< 0.0007	< 0.0007	_	<u>-</u>	_
Dimethoate	g/m³	< 0.0007	< 0.0007	_	<u>-</u>	-
Diphenylamine	g/m³	< 0.0007	< 0.0007	_	<u>-</u>	-
Diuron	g/m ³	< 0.0007	< 0.0007	_	<u>-</u>	-
Fenpropimorph	g/m³	< 0.0004	< 0.0004	-	-	-
Fluazifop-butyl	g/m³	< 0.0004	< 0.0004	-	-	-
Fluometuron	g/m ³	< 0.0004	< 0.0004	-	-	-
Flusilazole	g/m ³	< 0.0004	< 0.0004	-	-	-
Fluvalinate	g/m ³	< 0.0004	< 0.0004	-	-	-
	g/m³			_	_	-
Furalaxyl	g/III ^s	< 0.0002	< 0.0002	_	-	-

Sample Type: Aqueous	Sample Name:	100600355	100600356			
	Sample Name:	Fergusson Park	Gordon Spratt			
	Lab Number:	17-Jun-2010 802020.1	17-Jun-2010 802020.2			
Organonitro&phosphorus Pe			002020.2			
Haloxyfop-methyl	g/m ³	< 0.0004	< 0.0004	_	_	_
Hexaconazole	g/m ³	< 0.0004	< 0.0004	_	_	_
Hexazinone	g/m³	< 0.0004	< 0.0004	_	_	_
IPBC (3-lodo-2-propynyl-n-	g/m³	< 0.002	< 0.002	_	_	_
butylcarbamate)	9/111	₹ 0.002	₹ 0.002			
Iprodione	g/m³	< 0.0004	< 0.0004	-	-	-
Kresoxim-methyl	g/m³	< 0.0002	< 0.0002	-	-	-
Linuron	g/m³	< 0.0004	< 0.0004	-	-	-
Malathion	g/m³	< 0.0004	< 0.0004	-	-	-
Metalaxyl	g/m³	< 0.0004	< 0.0004	-	-	-
Metolachlor	g/m³	< 0.0003	< 0.0003	-	-	-
Metribuzin	g/m³	< 0.0004	< 0.0004	-	-	-
Molinate	g/m³	< 0.0007	< 0.0007	-	-	-
Myclobutanil	g/m ³	< 0.0004	< 0.0004	-	-	-
Naled	g/m ³	< 0.002	< 0.002	-	-	-
Norflurazon	g/m ³	< 0.0007	< 0.0007	-	-	-
Oxadiazon	g/m ³	< 0.0004	< 0.0004	-	-	-
Oxyfluorfen	g/m ³	< 0.0002	< 0.0002	-	-	-
Paclobutrazol	g/m³	< 0.0004	< 0.0004	-	-	-
Parathion-ethyl	g/m³	< 0.0004	< 0.0004	-	-	-
Parathion-methyl	g/m³	< 0.0004	< 0.0004	-	-	-
Pendimethalin	g/m³	< 0.0004	< 0.0004	-	-	-
Permethrin	g/m³	< 0.0002	< 0.0002	-	-	-
Pirimicarb	g/m ³	< 0.0004	< 0.0004	_	_	_
Pirimiphos-methyl	g/m³	< 0.0004	< 0.0004	_	-	_
Prochloraz	g/m³	< 0.002	< 0.002	_	_	_
Procymidone	g/m ³	< 0.0004	< 0.0004	_	_	_
Prometryn	g/m ³	< 0.0002	< 0.0002	_	_	_
Propachlor	g/m ³	< 0.0002	< 0.0002	_	_	_
Propanil	g/m ³	< 0.002	< 0.002	_	_	_
Propazine	g/m ³	< 0.002	< 0.0002	_	_	_
Propiconazole	g/m³	< 0.0002	< 0.0002	_	_	_
Pyriproxyfen	g/m³	< 0.0003	< 0.0003	_	_	_
Quizalofop-ethyl	g/m³	< 0.0004	< 0.0004	_	_	_
Simazine	g/m³	< 0.0004	< 0.0004	_	-	_
Simetryn	g/m³	< 0.0004	< 0.0004	-	-	_
Sulfentrazone		< 0.002	< 0.002	_	-	_
TCMTB [2-(thiocyanomethyltl	g/m³ hio) g/m³	< 0.002	< 0.002	_	-	-
benzothiazole,Busan]	1110) g/111 ³	< 0.000 <i>1</i>	< 0.000 <i>1</i>	_	_	_
Tebuconazole	g/m³	< 0.0004	< 0.0004	-	-	-
Terbacil	g/m ³	< 0.0004	< 0.0004	-	-	-
Terbufos	g/m ³	< 0.0004	< 0.0004	-	-	-
Terbumeton	g/m ³	< 0.0004	< 0.0004	-	-	-
Terbuthylazine	g/m ³	< 0.0002	< 0.0002	-	-	-
Terbuthylazine-desethyl	g/m ³	< 0.0004	< 0.0004	-	-	-
Terbutryn	g/m ³	< 0.0004	< 0.0004	-	-	-
Thiabendazole	g/m³	< 0.002	< 0.002	-	-	-
Thiobencarb	g/m³	< 0.0004	< 0.0004	-	-	-
Tolylfluanid	g/m ³	< 0.0002	< 0.0002	-	-	-
Triazophos	g/m ³	< 0.0002	< 0.0002	_	-	_
Trifluralin	g/m³	< 0.0004	< 0.0004	_	-	-
Vinclozolin	g/m³	< 0.0004	< 0.0004	-	_	_
Pentachlorophenol Screening			\ 0.000 4	_		_
			- 0.0000			
Pentachlorophenol (PCP)	g/m ³	< 0.0003	< 0.0003	-	-	-
2,3,4,6-Tetrachlorophenol	g/m ³	< 0.0003	< 0.0003	-	-	-

Sample Type: Aqueous						
Samp	le Name:	100600355 Fergusson Park	100600356 Gordon Spratt			
		17-Jun-2010	17-Jun-2010			
	Number:	802020.1	802020.2			
Haloethers Trace in SVOC Water Sa				1		
Bis(2-chloroethoxy) methane	g/m³	< 0.0005	< 0.0005	-	-	-
Bis(2-chloroethyl)ether	g/m³	< 0.0005	< 0.0005	-	-	-
Bis(2-chloroisopropyl)ether	g/m³	< 0.0005	< 0.0005	-	-	-
4-Bromophenyl phenyl ether	g/m ³	< 0.0005	< 0.0005	-	-	-
4-Chlorophenyl phenyl ether	g/m³	< 0.0005	< 0.0005	-	-	-
Nitrogen containing compounds Trac		•		î	î	7
Aniline	g/m³	< 0.0010	< 0.0010	-	-	-
3,3'-Dichlorobenzidine	g/m ³	< 0.003	< 0.003	-	-	-
2,4-Dinitrotoluene	g/m ³	< 0.0010	< 0.0010	-	-	-
2,6-Dinitrotoluene	g/m ³	< 0.0010	< 0.0010	-	-	-
Nitrobenzene	g/m ³	< 0.0005	< 0.0005	-	-	-
N-Nitrosodi-n-propylamine	g/m³	< 0.0010	< 0.0010	-	-	-
N-Nitrosodiphenylamine	g/m ³	< 0.0010	< 0.0010	-	-	-
Organochlorine Pesticides Trace in S	SVOC Water		S			
Aldrin	g/m³	< 0.0005	< 0.0005	-	-	-
alpha-BHC	g/m³	< 0.0005	< 0.0005	-	-	-
beta-BHC	g/m³	< 0.0005	< 0.0005	-	-	-
delta-BHC	g/m³	< 0.0005	< 0.0005	-	-	-
gamma-BHC (Lindane)	g/m³	< 0.0005	< 0.0005	-	-	-
4,4'-DDD	g/m³	< 0.0005	< 0.0005	-	-	-
4,4'-DDE	g/m³	< 0.0005	< 0.0005	-	-	-
4,4'-DDT	g/m³	< 0.0010	< 0.0010	-	-	-
Dieldrin	g/m³	< 0.0005	< 0.0005	-	-	-
Endosulfan I	g/m ³	< 0.0010	< 0.0010	-	-	-
Endosulfan II	g/m ³	< 0.0010	< 0.0010	-	-	-
Endosulfan sulphate	g/m ³	< 0.0010	< 0.0010	-	-	-
Endrin	g/m ³	< 0.0010	< 0.0010	-	-	-
Endrin Ketone	g/m ³	< 0.0010	< 0.0010	-	-	-
Heptachlor	g/m ³	< 0.0005	< 0.0005	-	-	-
Heptachlor epoxide	g/m ³	< 0.0005	< 0.0005	-	-	-
Hexachlorobenzene	g/m³	< 0.0005	< 0.0005	-	-	-
Polycyclic Aromatic Hydrocarbons Tr	ace in SVO	C Water Samples			,	,
Acenaphthene	g/m³	< 0.0003	< 0.0003	-	-	-
Acenaphthylene	g/m³	< 0.0003	< 0.0003	-	-	-
Anthracene	g/m³	< 0.0003	< 0.0003	-	-	-
Benzo[a]anthracene	g/m ³	< 0.0003	< 0.0003	-	-	-
Benzo[a]pyrene (BAP)	g/m ³	< 0.0005	< 0.0005	-	-	-
Benzo[b]fluoranthene	g/m³	< 0.0005	< 0.0005	-	-	-
Benzo[g,h,i]perylene	g/m³	< 0.0005	< 0.0005	-	-	-
Benzo[k]fluoranthene	g/m³	< 0.0005	< 0.0005	-	-	-
2-Chloronaphthalene	g/m³	< 0.0003	< 0.0003	-	-	-
Chrysene	g/m ³	< 0.0003	< 0.0003	-	-	-
Dibenzo[a,h]anthracene	g/m ³	< 0.0005	< 0.0005	-	-	-
Fluoranthene	g/m ³	< 0.0003	< 0.0003	-	-	-
Fluorene	g/m ³	< 0.0003	< 0.0003	-	-	-
Indeno(1,2,3-c,d)pyrene	g/m³	< 0.0005	< 0.0005	-	-	-
2-Methylnaphthalene	g/m³	< 0.0003	< 0.0003	-	-	-
Naphthalene Phenanthrene	g/m³	< 0.0003	< 0.0003 < 0.0003	-	-	-
	g/m³	< 0.0003				
Pyrene Phanela Trace (drinking vector) in SV(g/m³	< 0.0003	< 0.0003	-	-	-
Phenols Trace (drinkingwater) in SVC			. 0 0005			
2-Chlorophenol	g/m³	< 0.0005	< 0.0005	-	-	-
2,4-Dichlorophenol	g/m³	< 0.0005	< 0.0005	-	-	-
2,4,6-Trichlorophenol	g/m³	< 0.0010	< 0.0010	-	-	-

	Sample Type: Aqueous						
Lab Number: 80020.1 80020.2 80020.2	Sample N	ame:	Fergusson Park	Gordon Spratt			
Prends Trace fund-drinkingwater in SVOC Water Samples by GCN-MS	Lab Nur	nber:					
2.4-Dientylphenol gm²			ter Samples by GC-l	MS			
2-Methyly-4-d-dintrippenol gm² < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.001	4-Chloro-3-methylphenol	g/m³	< 0.0010	< 0.0010	-	-	-
2-Methyly-4-d-dintrippenol gm² < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.001	2,4-Dimethylphenol	g/m ³	< 0.0005	< 0.0005	-	-	-
3.4 A-Methylphenot (m- p-creso) gmb c 0.0010 c 0.0010 	2-Methyl-4,6-dinitrophenol	_	< 0.010	< 0.010	-	-	-
2-Methyphanol (o-Cresol) g/m²				< 0.0010	-	-	-
2-Nirophenol g/m²		•		< 0.0005	-	-	-
4-Nirophenel gim²	* ' ' '	g/m ³	< 0.0010	< 0.0010	-	-	-
Pentabliorophenol (PCP)	·				-	-	-
Phenel g/m3 < 0.0010 < 0.0010 	·	g/m³	< 0.010	< 0.010	-	-	-
Plasticisers Trace (non-drinkingwater) in SVOC Water by GCMS		g/m³	< 0.0010	< 0.0010	-	-	-
Diethylchnative	2,4,5-Trichlorophenol	g/m ³	< 0.0010	< 0.0010	-	-	-
Diethylphthalate	Plasticisers Trace (non-drinkingwater) in	SVOC	Water by GCMS				
Diethylphthalate	Butylbenzylphthalate	g/m³	< 0.0010	< 0.0010	-	-	-
Dimethylphthalate g/m² < 0.0010		g/m ³	< 0.0010	< 0.0010	-	-	-
Dn-houtylphthalate	* *				-	-	-
Di-n-octylphthalate g/m3 < 0.0010 < 0.0010 .	* *	g/m³	< 0.0010	< 0.0010	-	-	-
Bis(2-ethylhexyl)phthalate g/m³ < 0.003 < 0.0010 < 0.0010 < 0.0010	Di-n-octylphthalate	g/m³	< 0.0010	< 0.0010	-	-	-
Bis(2-ethylhexyl)phthalate g/m³ < 0.003 < 0.0010 < 0.0010 < 0.0010	Plasticisers Trace (drinkingwater) in SVO	C Wate	er Samples by GCM	S			
Di(2-ethylhexyl)adipate g/m³ < 0.0010 < 0.0010 - 0.0010<	· ·				-	-	-
Other Halogenated compounds Trace (drinkingwater) in SVOC Water 1,2-Dichlorobenzene 9/m3 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 < 0.0011 <	, , , , , ,		< 0.0010	< 0.0010	-	-	-
1,2-Dichlorobenzene g/m³ < 0.0010	, , , ,	inkingw	ater) in SVOC Wate	er			
1,3-Dichlorobenzene g/m³ < 0.0010					_	-	-
1.4-Dichlorobenzene g/m³ < 0.0010 < 0.0010 < 0 -	,				-	-	-
Dither Halogenated compounds Trace (non-drinks) quarter in SVOC					-	-	-
Hexachlorobutadiene g/m³ < 0.0010 < 0.0010 - - - - -	· ·		ingwater) in SVOC				
Hexachlorocyclopentadiene g/m3 < 0.003 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010 < 0.0010				< 0.0010	_	-	-
Hexachloroethane g/m³ < 0.0010 < 0.0010					-	-	-
1,2,4-Trichlorobenzene g/m³ < 0.0005 < 0.0005 - 0 - 0 Other SVOC Trace in SVOC Water Samples by GC-MS Benzyl alcohol g/m³ < 0.0005	· '				-	_	-
Dither SVOC Trace in SVOC Water Samples by GC-MS	1,2,4-Trichlorobenzene		< 0.0005	< 0.0005	-	-	-
Benzyl alcohol g/m³ < 0.005 < 0.0005 - - - -	Other SVOC Trace in SVOC Water Sam			<u> </u>			
Carbazole g/m³ < 0.0005 < 0.0005 - - - Dibenzofuran g/m³ < 0.0005				< 0.005	-	-	-
Dibenzofuran g/m³ < 0.0005 < 0.0005 - <th< td=""><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td>-</td></th<>					-	-	-
Stophorone g/m3 < 0.0005 < 0.0005 - - - -	Dibenzofuran	_			-	-	-
Benzene g/m³ < 0.0005 < 0.0005 - - - Toluene g/m³ < 0.0010	Isophorone	g/m ³			-	-	-
Benzene g/m³ < 0.0005 < 0.0005 - - - Toluene g/m³ < 0.0010	BTEX in VOC Water by Purge&Trap GC-	·MS					
Toluene g/m³ < 0.0010 < 0.0010 - - - Ethylbenzene g/m³ < 0.0005	Benzene	g/m³	< 0.0005	< 0.0005	-	-	-
m&p-Xylene g/m³ < 0.0005 < 0.0005 - - - o-Xylene g/m³ < 0.0005	Toluene				-	-	-
m&p-Xylene g/m³ < 0.0005 < 0.0005 - - - o-Xylene g/m³ < 0.0005	Ethylbenzene	g/m ³	< 0.0005	< 0.0005	-	-	-
Halogenated Aliphatics in VOC Water by Purge&Trap GC-MS		g/m³	< 0.0005	< 0.0005	-	-	-
Bromomethane g/m³ < 0.0005 < 0.0005 - - - Carbon tetrachloride g/m³ < 0.0005	o-Xylene	g/m³	< 0.0005	< 0.0005	-	-	-
Bromomethane g/m³ < 0.0005 < 0.0005 - - - Carbon tetrachloride g/m³ < 0.0005	Halogenated Aliphatics in VOC Water by	Purge	&Trap GC-MS				
Carbon tetrachloride g/m³ < 0.0005 < 0.0005 - - - Chloroethane g/m³ < 0.0005				< 0.0005	-	-	-
Chloroethane g/m³ < 0.0005 < 0.0005 - - - Chloromethane g/m³ < 0.0005					-	-	-
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					-	-	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloromethane				-	-	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dibromo-3-chloropropane	•			-	-	-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	g/m ³		< 0.0004	-	-	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Dibromomethane	g/m³	< 0.0005	< 0.0005	-	-	-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Dichlorodifluoromethane	g/m³	< 0.0005	< 0.0005	-	-	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,1-Dichloroethane	g/m³	< 0.0005	< 0.0005	-	-	-
cis-1,2-Dichloroethene g/m^3 < 0.0005	1,2-Dichloroethane	g/m³	< 0.0005	< 0.0005	-	-	-
-	1,1-Dichloroethene	g/m³	< 0.0005	< 0.0005	-	-	-
trans-1,2-Dichloroethene g/m^3 < 0.0005	cis-1,2-Dichloroethene	g/m³			-	-	-
	trans-1,2-Dichloroethene	g/m³	< 0.0005	< 0.0005	-	-	-

Sample Type: Aqueous						
Sample	Name:	100600355 Fergusson Park 17-Jun-2010	100600356 Gordon Spratt 17-Jun-2010			
Lab Nu	ımber:	802020.1	802020.2			
Halogenated Aliphatics in VOC Water b	y Purge	&Trap GC-MS				
Dichloromethane (methylene chloride)	g/m³	< 0.010	< 0.010	-	-	-
1,2-Dichloropropane	g/m³	< 0.0005	< 0.0005	-	-	-
1,3-Dichloropropane	g/m³	< 0.0005	< 0.0005	-	-	-
2,2-Dichloropropane	g/m³	< 0.0005	< 0.0005	-	-	-
1,1-Dichloropropene	g/m³	< 0.0005	< 0.0005	-	-	-
cis-1,3-Dichloropropene	g/m³	< 0.0005	< 0.0005	-	-	-
trans-1,3-Dichloropropene	g/m³	< 0.0005	< 0.0005	-	-	-
Hexachlorobutadiene	g/m³	< 0.0005	< 0.0005	-	-	-
1,1,1,2-Tetrachloroethane	g/m³	< 0.0005	< 0.0005	-	-	-
1,1,2,2-Tetrachloroethane	g/m³	< 0.0005	< 0.0005	-	-	-
Tetrachloroethene (tetrachloroethylene)	g/m³	< 0.0005	< 0.0005	-	-	-
1,1,1-Trichloroethane	g/m³	< 0.0005	< 0.0005	-	-	-
1,1,2-Trichloroethane	g/m³	< 0.0005	< 0.0005	-	-	-
Trichloroethene (trichloroethylene)	g/m³	< 0.0005	< 0.0005	-	-	-
Trichlorofluoromethane	g/m³	< 0.0005	< 0.0005	-	-	-
1,2,3-Trichloropropane	g/m³	< 0.0005	< 0.0005	-	-	-
1,1,2-Trichlorotrifluoroethane (Freon 113	3) g/m ³	< 0.004	< 0.004	-	-	-
Vinyl chloride	g/m³	< 0.0005	< 0.0005	-	-	-
Halogenated Aromatics in VOC Water b	y Purge8	Trap GC-MS				
Bromobenzene	g/m ³	< 0.0005	< 0.0005	_	_	-
Chlorobenzene (monochlorobenzene)	g/m ³	< 0.0005	< 0.0005	-	-	-
2-Chlorotoluene	g/m ³	< 0.0005	< 0.0005	-	-	-
4-Chlorotoluene	g/m ³	< 0.0005	< 0.0005	-	-	-
1,2-Dichlorobenzene	g/m ³	< 0.0005	< 0.0005	-	-	-
1,3-Dichlorobenzene	g/m ³	< 0.0005	< 0.0005	-	-	-
1,4-Dichlorobenzene	g/m ³	< 0.0005	< 0.0005	-	-	-
1,2,3-Trichlorobenzene	g/m ³	< 0.0005	< 0.0005	-	-	-
1,2,4-Trichlorobenzene	g/m ³	< 0.0005	< 0.0005	-	-	-
1.3.5-Trichlorobenzene	g/m3	< 0.0005	< 0.0005	-	-	-
Monoaromatic Hydrocarbons in VOC W	Ū		10.000			
n-Butylbenzene	g/m ³	< 0.0005	< 0.0005	_	_	_
tert-Butylbenzene	g/m ³	< 0.0005	< 0.0005	_	_	_
Isopropylbenzene (Cumene)	g/m ³	< 0.0005	< 0.0005	_	_	_
4-Isopropyltoluene (p-Cymene)	g/m ³	< 0.0005	< 0.0005	_	_	_
n-Propylbenzene	g/m ³	< 0.0005	< 0.0005	_	_	_
sec-Butylbenzene	g/m ³	< 0.0005	< 0.0005	_	_	_
Styrene	g/m ³	< 0.0005	< 0.0005	_	_	_
1,2,4-Trimethylbenzene	g/m ³	< 0.0005	< 0.0005	_	_	_
1,3,5-Trimethylbenzene	g/m³	< 0.0005	< 0.0005	_	-	_
Ketones in VOC Water by Purge&Trap (~ 0.0000	\ 0.0000	_	_	
, , ,	g/m ³	< 0.05	< 0.05	_	_	_
Acetone 2-Butanone (MEK)	g/m ³	< 0.05	< 0.05	-	-	-
` ,		< 0.005 < 0.005	< 0.005	-	-	-
Methyl tert-butylether (MTBE)	g/m ³	< 0.005 < 0.005	< 0.005	-	-	-
4-Methylpentan-2-one (MIBK)	g/m³		< 0.005		-	_
Trihalomethanes in VOC Water by Purg			0.000=	T	I	T
Bromodichloromethane	g/m³	0.0067	0.0065	-	-	-
Bromoform (tribromomethane)	g/m³	< 0.0005	< 0.0005	-	-	-
Chloroform (trichloromethane)	g/m³	0.0130	0.0182	-	-	-
Dibromochloromethane	g/m³	0.0019	0.0014	-	-	-
Other VOC in Water by Purge&Trap GC				ı	I	ı
Carbon disulphide	g/m ³	< 0.005	< 0.005	-	-	-
Naphthalene	g/m³	< 0.0005	< 0.0005	-	-	-
System monitoring Compounds for VOC	: - % Red	covery				
4-Bromofluorobenzene	%	94	93	-	-	-
Lab No. 902020 v 1		1.1211	Laboratorios			Dogo 6 of 9

Sample Type: Aqueous					
Sample Name:	100600355 Fergusson Park 17-Jun-2010	100600356 Gordon Spratt 17-Jun-2010			
Lab Number:	802020.1	802020.2			
System monitoring Compounds for VOC - % Recovery					
Toluene-d8 %	96	96	-	-	-

SUMMARY OF METHODS

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively clean matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis.

Sample Type: Aqueous			
Test	Method Description	Default Detection Limit	Samples
Heavy metals Potable (As,Cd,Cr,Cu,Ni,Pb,Zn)	Analysed as received (after acid preservation, if required), ICP-MS, trace level.	-	1-2
Acid Herbicides Trace in Water by LCMSMS	Acid Herbicides in water, trace level	-	1-2
Organonitro&phosphorus Pesticides Screen in MR Water by GCMS	Solid phase extraction, GPC (if required), GC-MS analysis	-	1-2
Pentachlorophenol Screening in Water by GC-ECD	Solvent extraction, acetylation, GC-ECD analysis	-	1-2
Semivolatile Organic Compounds Trace in Water by GC-MS	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Haloethers Trace in SVOC Water Samples by GC-MS	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Nitrogen containing compounds Trace in SVOC Water Samples, GC-MS	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Organochlorine Pesticides Trace in SVOC Water Samples by GC-MS	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Polycyclic Aromatic Hydrocarbons Trace in SVOC Water Samples	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Phenols Trace in SVOC Water Samples by GC-MS	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Phenols Trace (drinkingwater) in SVOC Water Samples by GC-MS	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Phenols Trace (non-drinkingwater) in SVOC Water Samples by GC-MS	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Plasticisers Trace (non-drinkingwater) in SVOC Water by GCMS	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Plasticisers Trace in SVOC Water Samples by GC-MS	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Plasticisers Trace (drinkingwater) in SVOC Water Samples by GCMS	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Other Halogenated compounds Trace in SVOC Water Samples by GC-MS	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Other Halogenated compounds Trace (drinkingwater) in SVOC Water	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Other Halogenated compounds Trace (non-drinkingwater) in SVOC	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Other SVOC Trace in SVOC Water Samples by GC-MS	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
SMC Compounds Trace in SVOC Water Samples by GC-MS	Liquid/Liquid extraction, GPC cleanup (if required), GC-MS FS analysis	-	1-2
Volatile Organic Compounds Trace in Water by Purge&Trap	Purge & Trap, GC-MS FS analysis	-	1-2
BTEX in VOC Water by Purge&Trap GC-MS	Purge & Trap, GC-MS FS analysis	-	1-2
Halogenated Aliphatics in VOC Water by Purge&Trap GC-MS	Purge & Trap, GC-MS FS analysis	-	1-2
Halogenated Aromatics in VOC Water by Purge&Trap GC-MS	Purge & Trap, GC-MS FS analysis	-	1-2
Monoaromatic Hydrocarbons in VOC Water by Purge&Trap GC-MS	Purge & Trap, GC-MS FS analysis	-	1-2
Ketones in VOC Water by Purge&Trap GC-MS	Purge & Trap, GC-MS FS analysis	-	1-2

Sample Type: Aqueous								
Test	Method Description	Default Detection Limit	Samples					
Trihalomethanes in VOC Water by Purge&Trap GC-MS	Purge & Trap, GC-MS FS analysis	-	1-2					
Other VOC in Water by Purge&Trap GC-MS	Purge & Trap, GC-MS FS analysis	-	1-2					
System monitoring Compounds for VOC - % Recovery	Purge & Trap, GC-MS FS analysis	-	1-2					
Total Cyanide Distillation	Distillation following the addition of sulphuric acid, alkaline trapping solution. APHA 4500-CN C & E 21st ed. 2005.	-	1-2					
Phenolphthalein Alkalinity	Titration to pH 8.3, Autotitrator. (P-Alkalinity). APHA 2320 B (modified) 21st ed. 2005.	1.0 g/m³ as CaCO₃	1-2					
Total Alkalinity	Titration to pH 4.5 (M-alkalinity), autotitrator. APHA 2320 B (Modified for alk <20) 21st ed. 2005.	1.0 g/m³ as CaCO₃	1-2					
Total Hardness	Calculation: from Ca and Mg. APHA 2340 B 21st ed. 2005.	1.0 g/m³ as CaCO ₃	1-2					
Boron	Analysed as received (after acid preservation, if required), ICP-MS, trace level. APHA 3125 B 21st ed. 2005.	0.005 g/m ³	1-2					
Calcium	Analysed as received (after acid preservation, if required), ICP-MS, trace level. APHA 3125 B 21st ed. 2005.	0.05 g/m ³	1-2					
Iron	Analysed as received (after acid preservation, if required), ICP-MS, trace level. APHA 3125 B 21st ed. 2005.	0.02 g/m ³	1-2					
Lithium	Analysed as received (after acid preservation, if required), ICP-MS, trace level. APHA 3125 B 21st ed. 2005.	0.0002 g/m ³	1-2					
Magnesium	Analysed as received (after acid preservation, if required), ICP-MS, trace level. APHA 3125 B 21st ed. 2005.	0.02 g/m ³	1-2					
Manganese	Analysed as received (after acid preservation, if required), ICP-MS, trace level. APHA 3125 B 21st ed. 2005 / US EPA Method 200.8.	0.0005 g/m ³	1-2					
Total Mercury	Bromine Oxidation followed by Atomic Fluorescence. US EPA Method 245.7, Feb 2005.	0.00008 g/m ³	1-2					
Potassium	Analysed as received (after acid preservation, if required), ICP-MS, trace level. APHA 3125 B 21st ed. 2005.	0.05 g/m ³	1-2					
Selenium	Analysed as received (after acid preservation, if required), ICP-MS, trace level. APHA 3125 B 21st ed. 2005 / US EPA Method 200.8.	0.0010 g/m ³	1-2					
Sodium	Analysed as received (after acid preservation, if required), ICP-MS, trace level. APHA 3125 B 21st ed. 2005.	0.02 g/m ³	1-2					
Bromide	Filtered sample. Ion Chromatography. APHA 4110 B 21st ed. 2005.	0.05 g/m ³	1-2					
Total Cyanide	Distillation, colorimetry. APHA 4500-CN- C & E 21st ed. 2005 (modified).	0.0010 g/m³	1-2					
Chloride	Filtered sample. Ferric thiocyanate colorimetry. Discrete Analyser. APHA 4500 Cl ⁻ E (modified from continuous flow analysis) 21 st ed. 2005.	0.5 g/m ³	1-2					
Chlorate	Sample analysed as received, filtered if required. Ion Chromatography. US EPA Method 300.1 Part B.	0.005 g/m ³	1-2					
Fluoride	Direct measurement, ion selective electrode. APHA 4500-F-C (modified from manual analysis) 21st ed. 2005.	0.05 g/m ³	1-2					
Sulphate	Filtered sample. Ion Chromatography. APHA 4110 B 21st ed. 2005.	0.5 g/m ³	1-2					

These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Samples are held at the laboratory after reporting for a length of time depending on the preservation used and the stability of the analytes being tested. Once the storage period is completed the samples are discarded unless otherwise advised by the client.

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Ara Heron BSc (Tech)

Sample Type: Aqueous

Client Services Manager - Environmental Division