

## Certificate of Analysis

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<b>Client:</b>	Western BOP District Council	<b>Lab No:</b>	3680169	SPV1
<b>Contact:</b>	Erika MacGregor C/- Western BOP District Council Private Bag 12803 Tauranga Mail Centre Tauranga 3143	<b>Date Received:</b>	26-Sep-2024	
		<b>Date Reported:</b>	09-Oct-2024	
		<b>Quote No:</b>	133411	
		<b>Order No:</b>	67354	
		<b>Client Reference:</b>	WSZ and CSZ 2 yearly bore testing part 3	
		<b>Submitted By:</b>	Erika MacGregor	

### Sample Type: Aqueous

Sample Name:	CSZ1 25-Sep-2024 10:00 am	CSZ2 25-Sep-2024 11:30 am	CSZ3 25-Sep-2024 10:30 am	CSZ4 25-Sep-2024 10:45 am
Lab Number:	3680169.1	3680169.2	3680169.3	3680169.4

Individual Tests					
Total Alkalinity	g/m <sup>3</sup> as CaCO <sub>3</sub>	54	24	52	55
Carbonate	g/m <sup>3</sup> at 25°C	< 1.0	< 1.0	< 1.0	< 1.0
Bicarbonate	g/m <sup>3</sup> at 25°C	66	29	63	66
Free Carbon Dioxide	g/m <sup>3</sup> at 25°C	5.5	5.9	4.6	4.6
Total Hardness	g/m <sup>3</sup> as CaCO <sub>3</sub>	26	11.2	26	26
Total Suspended Solids	g/m <sup>3</sup>	< 3	< 3	< 3	< 3
Total Dissolved Solids (TDS)	g/m <sup>3</sup>	156	99	157	146
Dissolved Aluminium	g/m <sup>3</sup>	< 0.003	< 0.003	< 0.003	< 0.003
Total Boron	g/m <sup>3</sup>	0.034	0.0141	0.031	0.056
Total Calcium	g/m <sup>3</sup>	5.8	3.1	5.7	5.9
Total Magnesium	g/m <sup>3</sup>	2.8	0.84	2.8	2.8
Dissolved Molybdenum	g/m <sup>3</sup>	0.0003	< 0.0002	0.0002	0.0003
Dissolved Selenium	g/m <sup>3</sup>	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Dissolved Silver	g/m <sup>3</sup>	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Dissolved Tin	g/m <sup>3</sup>	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Total Zinc	g/m <sup>3</sup>	0.0025	0.0036	0.0017	< 0.0011
Bromate	g/m <sup>3</sup>	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	g/m <sup>3</sup>	0.10	< 0.05	0.09	0.13
Total Ammoniacal-N	g/m <sup>3</sup>	< 0.010	< 0.010	< 0.010	< 0.010
Reactive Silica	g/m <sup>3</sup> as SiO <sub>2</sub>	91	67	90	90
Non-Purgeable Organic Carbon (NPOC)	g/m <sup>3</sup>	< 0.3	< 0.3	< 0.3	< 0.3
Absorbance at 254 nm	AU cm <sup>-1</sup>	0.002	0.004	< 0.002	0.007
Transmittance at 254 nm*	%T, 1 cm cell	99.5	99.1	> 99.5	98.4
Absorbance at 270 nm	AU cm <sup>-1</sup>	< 0.002	0.003	< 0.002	0.007
Transmittance at 270 nm*	%T, 1 cm cell	> 99.5	99.2	> 99.5	98.5
Faecal Coliforms	cfu / 100mL	< 1 #1	< 1 #3	< 1 #3	< 1 #3
Enterococci	cfu / 100mL	< 1 #2	< 1 #3	< 1 #3	< 1 #3

### OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS

Acetochlor	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Alachlor	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Atrazine	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Atrazine-desethyl	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Atrazine-desisopropyl	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Azaconazole	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Azinphos-methyl	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Benalaxyl	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Bitertanol	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Bromacil	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004



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Sample Type: Aqueous					
Sample Name:	CSZ1 25-Sep-2024 10:00 am	CSZ2 25-Sep-2024 11:30 am	CSZ3 25-Sep-2024 10:30 am	CSZ4 25-Sep-2024 10:45 am	
Lab Number:	3680169.1	3680169.2	3680169.3	3680169.4	
OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS					
Bromopropylate	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Butachlor	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Captan	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Carbaryl	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Carbofenothion	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Carbofuran	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Chlorfluazuron	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Chlorothalonil	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Chlorpyrifos	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Chlorpyrifos-methyl	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Chlortoluron	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cyanazine	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Cyfluthrin	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Cyhalothrin	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Cypermethrin	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Deltamethrin (including Tralomethrin)	g/m <sup>3</sup>	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Diazinon	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Dichlofluanid	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Dichloran	g/m <sup>3</sup>	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Dichlorvos	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Difenoconazole	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Dimethoate	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Diphenylamine	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Diuron	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Fenpropimorph	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Fluazifop-butyl	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Fluometuron	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Flusilazole	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Fluvalinate	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Furalaxyl	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Haloxifop-methyl	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Hexaconazole	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Hexazinone	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002	< 0.00002
IPBC (3-Iodo-2-propynyl-n-butylcarbamate)	g/m <sup>3</sup>	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Kresoxim-methyl	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Linuron	g/m <sup>3</sup>	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Malathion	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Metalaxyl	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Metolachlor	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Metribuzin	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Molinate	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Myclobutanil	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Naled	g/m <sup>3</sup>	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Norflurazon	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Oxadiazon	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Oxyfluorfen	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Paclobutrazol	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Parathion-ethyl	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Parathion-methyl	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Pendimethalin	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Permethrin	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Pirimicarb	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Pirimiphos-methyl	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Prochloraz	g/m <sup>3</sup>	< 0.0002	< 0.0002	< 0.0002	< 0.0002

Sample Type: Aqueous					
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Lab Number:	3680169.1	3680169.2	3680169.3	3680169.4	
OrganoNitrogen & Phosphorus pesticides, trace, liq/liq GCMS					
Procymidone	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Prometryn	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Propachlor	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Propanil	g/m <sup>3</sup>	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Propazine	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Propiconazole	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Pyriproxyfen	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Quizalofop-ethyl	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Simazine	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Simetryn	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sulfentrazone	g/m <sup>3</sup>	< 0.0002	< 0.0002	< 0.0002	< 0.0002
TCMTB [2-(thiocyanomethylthio) benzothiazole, Busan]	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Tebuconazole	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Terbacil	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Terbumeton	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Terbutylazine	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Terbutylazine-desethyl	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Terbutryn	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Thiabendazole	g/m <sup>3</sup>	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thiobencarb	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Tolyfluanid	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Triazophos	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Trifluralin	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Vinclozolin	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Hydrogen sulphide trace level profile*					
pH	pH Units	7.3	6.9	7.3	7.4
Electrical Conductivity (EC)	mS/m	13.3	8.0	13.2	14.0
Sample Temperature*	°C	20.0	20.0	20.0	20.0
Un-ionised hydrogen sulphide	g/m <sup>3</sup>	< 0.002	< 0.002	< 0.002	< 0.002
Total Sulphide	g/m <sup>3</sup>	< 0.002	< 0.002	< 0.002	< 0.002
Acid Herbicides Screen in Water by LCMSMS					
Acifluorfen	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Bentazone	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Bromoxynil	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Clopyralid	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
2,4-Dichlorophenoxyacetic acid (24D)	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
2,4-Dichlorophenoxybutyric acid (24DB)	g/m <sup>3</sup>	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Dicamba	g/m <sup>3</sup>	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Dichlorprop	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Fluazifop	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Fluroxypyr	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Haloxypop	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
2-methyl-4-chlorophenoxyacetic acid (MCPA)	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
2-methyl-4-chlorophenoxybutanoic acid (MCPB)	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Mecoprop	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Oryzalin	g/m <sup>3</sup>	< 0.0006	< 0.0006	< 0.0006	< 0.0006
2,3,4,6-Tetrachlorophenol (TCP)	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
2,4,5-Trichlorophenoxypropionic acid (245TP, Fenoprop, Silvex)	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
2,4,5-Trichlorophenoxyacetic acid (245T)	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Pentachlorophenol (PCP)	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Picloram	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Quizalofop	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004	< 0.0004

**Sample Type: Aqueous**

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<b>Lab Number:</b>	3680169.1	3680169.2	3680169.3	3680169.4
Acid Herbicides Screen in Water by LCMSMS				
Triclopyr	g/m <sup>3</sup>	< 0.0004	< 0.0004	< 0.0004
Multiresidue Extra Pesticides Trace in Water samples by Liq/liq				
Bendiocarb	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Benodanil	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008
Bifenthrin	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002
Bromophos-ethyl	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Bupirimate	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Buprofezin	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Captafol	g/m <sup>3</sup>	< 0.0002	< 0.0002	< 0.0002
Carbofenthion	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Chlorfenvinphos	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Chlorpropham	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008
Chlozolinate	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Coumaphos	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008
Cyproconazole	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Cyprodinil	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Dichlobenil	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Dichlofenthion	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Dicofol	g/m <sup>3</sup>	< 0.0002	< 0.0002	< 0.0002
Dicrotophos	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Dinocap	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003
EPN	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Ethion	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Etrimfos	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Famphur	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Fenarimol	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Fenitrothion	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Fenpropathrin	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Fensulfothion	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Fenvalerate (including Esfenvalerate)	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Folpet	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008
Hexythiazox	g/m <sup>3</sup>	< 0.0002	< 0.0002	< 0.0002
Imazalil	g/m <sup>3</sup>	< 0.0002	< 0.0002	< 0.0002
Indoxacarb	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Iodofenphos	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Isazophos	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Isofenphos	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002
Leptophos	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Methacrifos	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Methidathion	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Methiocarb	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Mevinphos	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008
Nitrofen	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008
Nitrothal-isopropyl	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Oxychlorane	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002
Penconazole	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Phosmet	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Phosphamidon	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Propetamphos	g/m <sup>3</sup>	< 0.00006	< 0.00006	< 0.00006
Propham	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Prothiofos	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Pyrazophos	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Pyrifenox	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Pyrimethanil	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004
Quintozene	g/m <sup>3</sup>	< 0.00008	< 0.00008	< 0.00008

Sample Type: Aqueous					
Sample Name:	CSZ1 25-Sep-2024 10:00 am	CSZ2 25-Sep-2024 11:30 am	CSZ3 25-Sep-2024 10:30 am	CSZ4 25-Sep-2024 10:45 am	
Lab Number:	3680169.1	3680169.2	3680169.3	3680169.4	
Multiresidue Extra Pesticides Trace in Water samples by Liq/liq					
Sulfotep	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Tebufenpyrad	g/m <sup>3</sup>	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Tetrachlorvinphos	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Triadimefon	g/m <sup>3</sup>	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Organochlorine Pesticides Trace in Water, By Liq/Liq					
Aldrin	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
alpha-BHC	g/m <sup>3</sup>	< 0.000010	< 0.000010	< 0.000010	< 0.000010
beta-BHC	g/m <sup>3</sup>	< 0.000010	< 0.000010	< 0.000010	< 0.000010
delta-BHC	g/m <sup>3</sup>	< 0.000010	< 0.000010	< 0.000010	< 0.000010
gamma-BHC (Lindane)	g/m <sup>3</sup>	< 0.000010	< 0.000010	< 0.000010	< 0.000010
cis-Chlordane	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
trans-Chlordane	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
2,4'-DDD	g/m <sup>3</sup>	< 0.000010	< 0.000010	< 0.000010	< 0.000010
4,4'-DDD	g/m <sup>3</sup>	< 0.000010	< 0.000010	< 0.000010	< 0.000010
2,4'-DDE	g/m <sup>3</sup>	< 0.000010	< 0.000010	< 0.000010	< 0.000010
4,4'-DDE	g/m <sup>3</sup>	< 0.000010	< 0.000010	< 0.000010	< 0.000010
2,4'-DDT	g/m <sup>3</sup>	< 0.000010	< 0.000010	< 0.000010	< 0.000010
4,4'-DDT	g/m <sup>3</sup>	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Total DDT Isomers	g/m <sup>3</sup>	< 0.000006	< 0.000006	< 0.000006	< 0.000006
Dieldrin	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Endosulfan I	g/m <sup>3</sup>	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Endosulfan II	g/m <sup>3</sup>	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Endosulfan sulphate	g/m <sup>3</sup>	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Endrin	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Endrin aldehyde	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Endrin ketone	g/m <sup>3</sup>	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Heptachlor	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Heptachlor epoxide	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Hexachlorobenzene	g/m <sup>3</sup>	< 0.000004	< 0.000004	< 0.000004	< 0.000004
Methoxychlor	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Polycyclic Aromatic Hydrocarbons Trace in Water, By Liq/Liq					
Acenaphthene	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Acenaphthylene	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Anthracene	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Benzo[a]anthracene	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Benzo[a]pyrene (BAP)	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Benzo[b]fluoranthene + Benzo[j]fluoranthene	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Benzo[g,h,i]perylene	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Benzo[k]fluoranthene	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Chrysene	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Dibenzo[a,h]anthracene	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Fluoranthene	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Fluorene	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Indeno(1,2,3-c,d)pyrene	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Naphthalene	g/m <sup>3</sup>	< 0.000002	< 0.000002	< 0.000002	< 0.000002
Phenanthrene	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Pyrene	g/m <sup>3</sup>	< 0.000005	< 0.000005	< 0.000005	< 0.000005
BTEX in VOC Water by Headspace GC-MS					
Benzene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Ethylbenzene	g/m <sup>3</sup>	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Toluene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
m&p-Xylene	g/m <sup>3</sup>	< 0.0005	< 0.0005	< 0.0005	< 0.0005
o-Xylene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003

Sample Type: Aqueous					
Sample Name:	CSZ1 25-Sep-2024 10:00 am	CSZ2 25-Sep-2024 11:30 am	CSZ3 25-Sep-2024 10:30 am	CSZ4 25-Sep-2024 10:45 am	
Lab Number:	3680169.1	3680169.2	3680169.3	3680169.4	
Halogenated Aliphatics in VOC Water by Headspace GC-MS					
Bromomethane (Methyl Bromide)	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Carbon tetrachloride	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Chloroethane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Chloromethane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,2-Dibromo-3-chloropropane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,2-Dibromoethane (ethylene dibromide, EDB)	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Dibromomethane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Dichlorodifluoromethane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,1-Dichloroethane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,2-Dichloroethane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,1-Dichloroethene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
cis-1,2-Dichloroethene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
trans-1,2-Dichloroethene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Dichloromethane (methylene chloride)	g/m <sup>3</sup>	< 0.010	< 0.010	< 0.010	< 0.010
1,2-Dichloropropane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,3-Dichloropropane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,1-Dichloropropene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
cis-1,3-Dichloropropene	g/m <sup>3</sup>	< 0.0005	< 0.0005	< 0.0005	< 0.0005
trans-1,3-Dichloropropene	g/m <sup>3</sup>	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Hexachlorobutadiene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,1,1,2-Tetrachloroethane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,1,1,2,2-Tetrachloroethane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Tetrachloroethene (tetrachloroethylene)	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,1,1-Trichloroethane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,1,2-Trichloroethane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Trichloroethene (trichloroethylene)	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Trichlorofluoromethane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,2,3-Trichloropropane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,1,2-Trichlorotrifluoroethane (Freon 113)	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Vinyl chloride	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Halogenated Aromatics in VOC Water by Headspace GC-MS					
Chlorobenzene (monochlorobenzene)	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,2-Dichlorobenzene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,3-Dichlorobenzene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,4-Dichlorobenzene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,2,3-Trichlorobenzene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,2,4-Trichlorobenzene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,3,5-Trichlorobenzene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Bromobenzene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
2-Chlorotoluene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
4-Chlorotoluene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Monoaromatic Hydrocarbons in VOC Water by Headspace GC-MS					
n-Butylbenzene	g/m <sup>3</sup>	< 0.0005	< 0.0005	< 0.0005	< 0.0005
tert-Butylbenzene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
4-Isopropyltoluene (p-Cymene)	g/m <sup>3</sup>	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Isopropylbenzene (Cumene)	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
n-Propylbenzene	g/m <sup>3</sup>	< 0.0005	< 0.0005	< 0.0005	< 0.0005
sec-Butylbenzene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Styrene	g/m <sup>3</sup>	< 0.0005	< 0.0005	< 0.0005	< 0.0005
1,2,4-Trimethylbenzene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
1,3,5-Trimethylbenzene	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Ketones in VOC Water by Headspace GC-MS					
Acetone	g/m <sup>3</sup>	< 0.05	< 0.05	< 0.05	< 0.05
2-Butanone (MEK)	g/m <sup>3</sup>	< 0.05	< 0.05	< 0.05	< 0.05

Sample Type: Aqueous				
<b>Sample Name:</b>	CSZ1 25-Sep-2024 10:00 am	CSZ2 25-Sep-2024 11:30 am	CSZ3 25-Sep-2024 10:30 am	CSZ4 25-Sep-2024 10:45 am
<b>Lab Number:</b>	3680169.1	3680169.2	3680169.3	3680169.4
Ketones in VOC Water by Headspace GC-MS				
Methyl tert-butylether (MTBE)	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003
4-Methylpentan-2-one (MIBK)	g/m <sup>3</sup>	< 0.010	< 0.010	< 0.010
Trihalomethanes in VOC Water by Headspace GC-MS				
Bromodichloromethane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003
Bromoform (tribromomethane)	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003
Chloroform (Trichloromethane)	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003
Dibromochloromethane	g/m <sup>3</sup>	< 0.0003	< 0.0003	< 0.0003
Other VOC in Water by Headspace GC-MS				
Carbon disulphide	g/m <sup>3</sup>	< 0.0005	< 0.0005	< 0.0005
Naphthalene	g/m <sup>3</sup>	< 0.0005	< 0.0005	< 0.0005

### Analyst's Comments

- #1 Statistically estimated count based on the theoretical countable range for the stated method. Please interpret this microbiological result with caution as the sample was > 24 hours old at the time of testing in the laboratory. The sample is required to reach the laboratory with sufficient time to allow testing to commence within 24 hours of sampling.
- #2 Statistically estimated count based on the theoretical countable range for the stated method. Please interpret this microbiological result with caution as the sample was >24 hours old on receipt at the lab. The sample is required to reach the laboratory with sufficient time to allow testing to commence within 24 hours of sampling.
- #3 Statistically estimated count based on the theoretical countable range for the stated method.

### 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 simple 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. A detection limit range indicates the lowest and highest detection limits in the associated suite of analytes. A full listing of compounds and detection limits are available from the laboratory upon request. Unless otherwise indicated, analyses were performed at Hill Labs, 28 Duke Street, Frankton, Hamilton 3204.

Sample Type: Aqueous			
Test	Method Description	Default Detection Limit	Sample No
Individual Tests			
Filtration, Glass Fibre	Sample filtration through glass fibre filter.	-	1-4
Filtration, Unpreserved	Sample filtration through 0.45µm membrane filter.	-	1-4
Total Digestion	Nitric acid digestion. APHA 3030 E (modified) : Online Edition.	-	1-4
pH	pH meter. APHA 4500-H <sup>+</sup> B (modified) : Online Edition. Note: It is not possible to achieve the APHA Maximum Storage Recommendation for this test (15 min) when samples are analysed upon receipt at the laboratory, and not in the field. Samples and Standards are analysed at an equivalent laboratory temperature (typically 18 to 22 °C). Temperature compensation is used.	0.1 pH Units	1-4
Total Alkalinity	Titration to pH 4.5 (M-alkalinity), autotitrator. APHA 2320 B (modified for Alkalinity <20) : Online Edition.	1.0 g/m <sup>3</sup> as CaCO <sub>3</sub>	1-4
Carbonate	Calculation: from alkalinity and pH, valid where TDS is not >500 mg/L and alkalinity is almost entirely due to hydroxides, carbonates or bicarbonates. APHA 4500-CO <sub>2</sub> D : Online Edition.	1.0 g/m <sup>3</sup> at 25°C	1-4
Bicarbonate	Calculation: from alkalinity and pH, valid where TDS is not >500 mg/L and alkalinity is almost entirely due to hydroxides, carbonates or bicarbonates. APHA 4500-CO <sub>2</sub> D : Online Edition.	1.0 g/m <sup>3</sup> at 25°C	1-4
Free Carbon Dioxide	Calculation: from alkalinity and pH, valid where TDS is not >500 mg/L and alkalinity is almost entirely due to hydroxides, carbonates or bicarbonates. APHA 4500-CO <sub>2</sub> D : Online Edition.	1.0 g/m <sup>3</sup> at 25°C	1-4
Total Hardness	Calculation from Calcium and Magnesium. APHA 2340 B : Online Edition.	1.0 g/m <sup>3</sup> as CaCO <sub>3</sub>	1-4
Electrical Conductivity (EC)	Conductivity meter, 25°C. APHA 2510 B : Online Edition.	0.1 mS/m	1-4
Total Suspended Solids	Filtration using Whatman 934 AH, Advantec GC-50 or equivalent filters (nominal pore size 1.2 - 1.5µm), gravimetric determination. APHA 2540 D (modified) : Online Edition.	3 g/m <sup>3</sup>	1-4

Sample Type: Aqueous			
Test	Method Description	Default Detection Limit	Sample No
Total Dissolved Solids (TDS)	Filtration through GF/C (1.2 µm), gravimetric. APHA 2540 C (modified; drying temperature of 103 - 105°C used rather than 180 ± 2°C) : Online Edition.	10 g/m <sup>3</sup>	1-4
Sample Temperature*	A nominal sample temperature of 20°C has been assumed by the laboratory.	0.1 °C	1-4
Filtration for dissolved metals analysis	Sample filtration through 0.45µm membrane filter and preservation with nitric acid. APHA 3030 B : Online Edition.	-	1-4
Dissolved Aluminium	Filtered sample, ICP-MS, trace level. APHA 3125 B : Online Edition.	0.003 g/m <sup>3</sup>	1-4
Total Boron	Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.	0.0053 g/m <sup>3</sup>	1-4
Total Calcium	Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.	0.053 g/m <sup>3</sup>	1-4
Total Magnesium	Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition.	0.021 g/m <sup>3</sup>	1-4
Dissolved Molybdenum	Filtered sample, ICP-MS, trace level. APHA 3125 B : Online Edition.	0.0002 g/m <sup>3</sup>	1-4
Dissolved Selenium	Filtered sample, ICP-MS, trace level. APHA 3125 B : Online Edition.	0.0010 g/m <sup>3</sup>	1-4
Dissolved Silver	Filtered sample, ICP-MS, trace level. APHA 3125 B : Online Edition.	0.00010 g/m <sup>3</sup>	1-4
Dissolved Tin	Filtered sample, ICP-MS, trace level. APHA 3125 B : Online Edition.	0.0005 g/m <sup>3</sup>	1-4
Total Zinc	Nitric acid digestion, ICP-MS, trace level. APHA 3125 B : Online Edition / US EPA 200.8.	0.0011 g/m <sup>3</sup>	1-4
Bromate	Sample analysed as received, filtered if required. Ion Chromatography. US EPA Method 300.1 Part B (modified).	0.005 g/m <sup>3</sup>	1-4
Fluoride	Direct measurement, ion selective electrode. APHA 4500-F- C : Online Edition.	0.05 g/m <sup>3</sup>	1-4
Total Ammoniacal-N	Phenol/hypochlorite colourimetry. Flow injection analyser. (NH <sub>4</sub> -N = NH <sub>4</sub> <sup>+</sup> -N + NH <sub>3</sub> -N). APHA 4500-NH <sub>3</sub> H (modified) : Online Edition.	0.010 g/m <sup>3</sup>	1-4
Reactive Silica	Filtered sample. Heteropoly blue colorimetry. Flow Injection Analyser. APHA 4500-SiO <sub>2</sub> F (modified) : Online Edition.	0.10 g/m <sup>3</sup> as SiO <sub>2</sub>	1-4
Un-ionised hydrogen sulphide	Calculation from Total Sulphide, Electrical Conductivity, pH and Temperature*.  <b>*Note: For accurate calculation of the un-ionised Hydrogen Sulphide the sample temperature should be taken using a calibrated thermometer at the time of sampling and recorded on the paperwork submitted with the sample. If a sample temperature is not supplied, a nominal temperature of 20°C will show in the results table above and be used in the calculation. In this case, please interpret the un-ionised Hydrogen Sulphide result with caution.</b> APHA 4500-S <sup>2-</sup> H (modified) : Online Edition.	0.002 g/m <sup>3</sup>	1-4
Total Sulphide Trace	In-line distillation, segmented flow colorimetry. APHA 4500-S <sup>2-</sup> E (modified) : Online Edition.	0.002 g/m <sup>3</sup>	1-4
Non-Purgeable Organic Carbon (NPOC)	Acidification, purging to remove inorganic C, super-critical persulphate oxidation at 375°C, IR detection. APHA 5310 C (modified) : Online Edition.	0.3 g/m <sup>3</sup>	1-4
Absorbance at 254 nm	Filtered sample. Spectrophotometry, 1cm cell. APHA 5910 B : Online Edition.	0.002 AU cm <sup>-1</sup>	1-4
Transmittance at 254 nm*	Calculation from Absorbance at the specified wavelength.	0.5 %T, 1 cm cell	1-4
Absorbance at 270 nm	Filtered sample. Spectrophotometry, 1cm cell. APHA 5910 B : Online Edition.	0.002 AU cm <sup>-1</sup>	1-4
Transmittance at 270 nm*	Calculation from Absorbance at the specified wavelength.	0.5 %T, 1 cm cell	1-4
Faecal Coliforms	Membrane Filtration, Count on CCA agar, Incubated at 44.5°C for 21-24 hours. APHA 9222 D (modified) : Online Edition.	1 cfu / 100mL	1-4
Enterococci	Membrane filtration, Count on mEI agar, Incubated at 42°C for 24 hours. APHA 9230 C (modified) Online Edition.	1 cfu / 100mL	1-4
Acid Herbicides Screen in Water by LCMSMS	LC-MS/MS analysis. In-house.	0.0003 - 0.0006 g/m <sup>3</sup>	1-4
Multiresidue Pesticides Trace in Water by Liq/liq GCMS	Liquid / liquid extraction, GC-ECD and GC-MS analysis. In-house based on US EPA 8081 and US EPA 8270.	-	1-4
Polycyclic Aromatic Hydrocarbons Trace in Water, By Liq/Liq	Liquid / liquid extraction, GC-MS/MS analysis. In-house based on US EPA 8270.	0.000005 g/m <sup>3</sup>	1-4
Volatile Organic Compounds Trace in Water by Headspace GC-MS	Headspace GC-MS analysis. In-house based on US EPA 8260 and 5021.	0.0003 - 0.05 g/m <sup>3</sup>	1-4



Sample Type: Aqueous			
Test	Method Description	Default Detection Limit	Sample No
Multiresidue Extra Pesticides Trace in Water samples by Liq/liq			
Bendiocarb	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Benodanil	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00008 g/m <sup>3</sup>	1-4
Bifenthrin	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00002 g/m <sup>3</sup>	1-4
Bromophos-ethyl	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Bupirimate	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Buprofezin	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Captafol	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.0002 g/m <sup>3</sup>	1-4
Chlorfenvinphos	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Chlorpropham	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00008 g/m <sup>3</sup>	1-4
Chlozolinate	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Coumaphos	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00008 g/m <sup>3</sup>	1-4
Cyproconazole	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Cyprodinil	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Dichlobenil	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Dichlofenthion	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Dicofol	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.0002 g/m <sup>3</sup>	1-4
Dicrotophos	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Dinocap	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.0003 g/m <sup>3</sup>	1-4
EPN	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Ethion	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Etrimfos	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Famphur	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Fenarimol	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Fenitrothion	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Fenpropathrin	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Fensulfothion	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Fenvalerate (including Esfenvalerate)	Liquid / liquid extraction, GC-MS analysis.	0.00004 g/m <sup>3</sup>	1-4
Folpet	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00008 g/m <sup>3</sup>	1-4
Hexythiazox	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.0002 g/m <sup>3</sup>	1-4
Imazalil	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.0002 g/m <sup>3</sup>	1-4
Indoxacarb	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Iodofenphos	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Isazophos	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Isofenphos	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00002 g/m <sup>3</sup>	1-4

Sample Type: Aqueous			
Test	Method Description	Default Detection Limit	Sample No
Leptophos	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Methacrifos	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Methidathion	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Methiocarb	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Mevinphos	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00008 g/m <sup>3</sup>	1-4
Nitrofen	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00008 g/m <sup>3</sup>	1-4
Nitrothal-isopropyl	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Oxychlorthane	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00002 g/m <sup>3</sup>	1-4
Penconazole	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Phosmet	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Phosphamidon	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Propetamphos	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00006 g/m <sup>3</sup>	1-4
Propham	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Prothiofos	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Pyrazophos	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Pyrifenox	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Pyrimethanil	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Quintozene	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00008 g/m <sup>3</sup>	1-4
Sulfotep	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Tebufenpyrad	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00002 g/m <sup>3</sup>	1-4
Tetrachlorvinphos	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4
Triadimefon	Liquid / liquid extraction, GC-MS analysis. In-house based on US EPA 8270.	0.00004 g/m <sup>3</sup>	1-4

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

Testing was completed between 26-Sep-2024 and 09-Oct-2024. For completion dates of individual analyses please contact the laboratory.

Samples are held at the laboratory after reporting for a length of time based on the stability of the samples and analytes being tested (considering any preservation used), and the storage space available. Once the storage period is completed, the samples are discarded unless otherwise agreed with the customer. Extended storage times may incur additional charges.

This certificate of analysis must not be reproduced, except in full, without the written consent of the signatory.

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