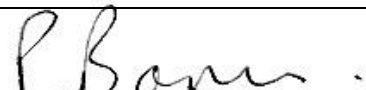


Laboratory Accreditation Programmes

Schedule to CERTIFICATE OF ACCREDITATION																	
Hill Laboratories	Client No. 590																
Private Bag 3205, Waikato Mail Centre, Hamilton, 3240 1 Clyde Street, Hamilton East, Hamilton, 3216																	
Telephone 0508 445-5522 Fax	www.hill-laboratories.com																
Authorised Representative Ms Gillian Lees Quality Manager - Compliance																	
Programme Drinking Water Testing Laboratory																	
Accreditation Number 798	Initial Accreditation Date 15 January 2002																
Conformance Standard NZS ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories Drinking-Water Standards for New Zealand 2005 (Revised 2008)																	
Testing Services Summary 2.41 Waters (NZ Drinking Water Standards - Chemistry)																	
Key Technical Personnel <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">Mr Graham Corban</td> <td style="text-align: right;">2.41</td> </tr> <tr> <td>Mr Martin Cowell</td> <td style="text-align: right;">2.41</td> </tr> <tr> <td>Dr Peter Robinson</td> <td style="text-align: right;">2.41</td> </tr> <tr> <td>Miss Ara Heron</td> <td style="text-align: right;">2.41</td> </tr> <tr> <td>Mr Alastair Boyd</td> <td style="text-align: right;">2.41; selected</td> </tr> <tr> <td>Mr Jon Harris</td> <td style="text-align: right;">2.41; selected</td> </tr> <tr> <td>Mrs Carole Rodgers-Caroll</td> <td style="text-align: right;">2.41; selected</td> </tr> <tr> <td>Dr Jane Sherrard</td> <td style="text-align: right;">2.41; selected</td> </tr> </table>		Mr Graham Corban	2.41	Mr Martin Cowell	2.41	Dr Peter Robinson	2.41	Miss Ara Heron	2.41	Mr Alastair Boyd	2.41; selected	Mr Jon Harris	2.41; selected	Mrs Carole Rodgers-Caroll	2.41; selected	Dr Jane Sherrard	2.41; selected
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Schedule to
CERTIFICATE OF ACCREDITATION

Hill Laboratories
Drinking Water Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 798

The following scope of accreditation provides for the testing of potable waters for the purpose of assessing compliance with the Drinking-Water Standards for New Zealand 2005 (Revised 2008)

2.41 Waters (NZ Drinking Water Standards – Chemistry)

(a) Potable waters

CHEMICAL METHODS FOR MICROBIOLOGICAL COMPLIANCE

In accordance with APHA “Standard Methods for the Examination of Water and Wastewater” (22nd Edition) except where otherwise indicated

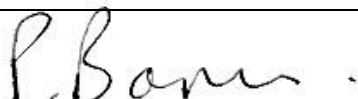
Determinand	Method Reference	WINZ Method Code
Colour @ 465nm	2120 B (modified)	COMP
Turbidity	2130 B	TMET
pH	4500-H B	PHM

INORGANIC DETERMINANDS

In accordance with methods indicated below:

Determinand	Method Reference	WINZ Method Code
Antimony	EPA 200.8	ICPMS
Arsenic	EPA 200.8	ICPMS
Barium	EPA 200.8	ICPMS
Boron	EPA 200.8	ICPMS
Bromate	EPA 300.1 (modified)	IC
Cadmium	EPA 200.8	ICPMS
Chlorate	EPA 300.1 (modified)	IC
Chlorine	4500-CI G	DPDLC
Chlorite	EPA 300.1 (modified)	IC
Chromium	EPA 200.8	ICPMS
Copper	EPA 200.8	ICPMS
Cyanide (total)	4500-CN C (modified)	DISTIL
Cyanide (total)	4500-CN E (modified)	COLOR
Fluoride	4110 B (modified)	IC
Fluoride	4500-F C	ISE
Lead	EPA 200.8	ICPMS
Manganese	EPA 200.8	ICPMS
Mercury	EPA 245.7	CVAF
Molybdenum	EPA 200.8	ICPMS
Monochloramine	4500-CI G	DPDLC
Nickel	EPA 200.8	ICPMS

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Accreditation Number 798

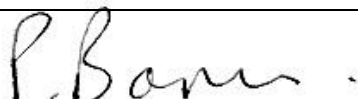
Nitrate (as NO ₃)	4500- NO ₃ I (modified)	CDRDFIA
Nitrate (as NO ₃)	4110 B (modified)	IC
Nitrate (as N)	4500-NO ₃ I (modified)	CDRDFIA
Nitrate (as N)	4110 B (modified)	IC
Nitrite (as N)	4110 B (modified)	IC
Nitrite (as NO ₂)	4110 B (modified)	IC
Plumbosolvent water	EPA 200.8	ICPMS
Selenium	EPA 200.8	ICPMS
Uranium	EPA 200.8	ICPMS

ORGANIC DETERMINANDS

In accordance with methods indicated below:

Determinand	Method Reference	WINZ Method Code
Acrylamide	In-house	LCMSMS
Alachlor	In-house	LLEGCMS
Aldicarb	In-house	LCMSMS
Aldrin/Dieldrin	EPA 8081 B	LLEGCECD
Aldrin/Dieldrin	In-house	LLEGCMS
Atrazine	In-house	LLEGCMS
Azinphos-methyl	In-house	LLEGCMS
Benzene	EPA 8260 B	PTGCMS
Benzene	In-house	HSGCMS
Benzo(a)pyrene	EPA 8270 D	LLEGCMS
Bromacil	In-house	LLEGCMS
Bromodichloromethane	In-house	HSGCMS
Bromodichloromethane	EPA 8260 B	PTGCMS
Bromoform	In-house	HSGCMS
Bromoform	EPA 8260 B	PTGCMS
Carbofuran	In-house	LLEGCMS
Carbon tetrachloride	In-house	HSGCMS
Carbon tetrachloride	EPA 8260 B	PTGCMS
Chlordane	EPA 8081 B	LLEGCECD
Chlordane	In-house	LLEGCMS
Chloroform	In-house	HSGCMS
Chloroform	EPA 8260 B	PTGCMS
Chlorotoluron	In-house	LLEGCMS
Chlorpyrifos	In-house	LLEGCMS
Cyanazine	In-house	LLEGCMS
2,4-D	In-house	LCMSMS
2,4-DB	In-house	LCMSMS
DDT and isomers	In-house	LLEGCMS
DDT and isomers	EPA 8081 B	LLEGCECD
Di(2-ethylhexyl)phthalate	EPA 8270 D	LLEGCMS
Dibromoacetonitrile	EPA 551.1	LLEGCMS

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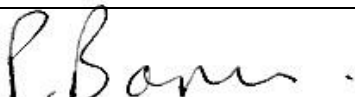
Schedule to CERTIFICATE OF ACCREDITATION

Hill Laboratories
Drinking Water Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 798

Dibromochloromethane	In-house	HSGCMS
Dibromochloromethane	EPA 8260 B	PTGCMS
1,2-Dibromoethane	In-house	HSGCMS
1,2-Dibromoethane	EPA 8260 B	PTGCMS
Dichloroacetic acid	EPA 552.3	LLEGCMS
Dichloroacetonitrile	EPA 551.1	LLEGCMS
1,2-Dichlorobenzene	In-house	HSGCMS
1,2-Dichlorobenzene	EPA 8260 B	PTGCMS
1,4-Dichlorobenzene	EPA 8260B	PTGCMS
1,4-Dichlorobenzene	In-house	HSGCMS
1,2-Dichloroethane	In-house	HSGCMS
1,2-Dichloroethane	EPA 8260 B	PTGCMS
1,2-Dichloroethene (cis/trans)	In-house	HSGCMS
1,2-Dichloroethene (cis/trans)	EPA 8260 B	PTGCMS
Dichloromethane	In-house	HSGCMS
Dichloromethane	EPA 8260 B	PTGCMS
1,2-Dichloropropane	In-house	HSGCMS
1,2-Dichloropropane	EPA 8260 B	PTGCMS
1,3-Dichloropropene	In-house	HSGCMS
1,3-Dichloropropene	EPA 8260 B	PTGCMS
Dichloroprop	In-house	LLEGCMS
Dimethoate	In-house	LLEGCMS
Diuron	In-house	LLEGCMS
EDTA	In-house	LLEGCMS
Endrin	EPA 8081 B	LLEGCECD
Endrin	In-house	LLEGCMS
Epichlorohydrin	In-house	SPMEGCMS
Ethylbenzene	In-house	HSGCMS
Ethylbenzene	EPA 8260 B	PTGCMS
Fenoprop	In-house	LLEGCMS
Hexachlorobutadiene	In-house	HSGCMS
Hexachlorobutadiene	EPA 8260 B	PTGCMS
Hexazinone	In-house	LLEGCMS
Isoproturon	In-house	LCMSMS
Lindane	EPA 8081 B	LLEGCECD
Lindane	In-house	LLEGCMS
MCPA	In-house	LCMSMS
Mecoprop	In-house	LCMSMS
Metalaxyl	In-house	LLEGCMS
Methoxychlor	In-house	LLEGCMS
Methoxychlor	EPA 8081 B	LLEGCECD
Metolachlor	In-house	LLEGCMS
Metribuzin	In-house	LLEGCMS
Microcystins	In-house	LCMSMS
Molinate	In-house	LLEGCMS
Monochloroacetic acid	EPA 552.3	LLEGCMS
Nodularins	In-house	LCMSMS
Oryzalin	In-house	LCMSMS

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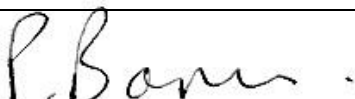
Schedule to CERTIFICATE OF ACCREDITATION

Hill Laboratories
Drinking Water Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 798

Oxadiazon	In-house	LLEGCMS
Pendimethalin	In-house	LLEGCMS
Pentachlorophenol	In-house	LCMSMS
Picloram	In-house	LCMSMS
Pirimiphos methyl	In-house	LLEGCMS
Primisulfuron methyl	In-house	LCMSMS
Procymidone	In-house	LLEGCMS
Propazine	In-house	LLEGCMS
Pyriproxifen	In-house	LLEGCMS
Simazine	In-house	LLEGCMS
Styrene	EPA 8260 B	PTGCMS
Styrene	In-house	HSGCMS
2,4,5-T	In-house	LCMSMS
Terbacil	In-house	LLEGCMS
Terbutylazine	In-house	LLEGCMS
Tetrachloroethene	In-house	HSGCMS
Tetrachloroethene	EPA 8260 B	PTGCMS
Thiabendazole	In-house	LLEGCMS
Toluene	EPA 8260 B	PTGCMS
Toluene	In-house	HSGCMS
Trichloroacetic acid	EPA 552.3	LLEGCMS
Trichloroethene	In-house	HSGCMS
Trichloroethene	EPA 8260 B	PTGCMS
2,4,6-Trichlorophenol	EPA 8270 D	LLEGCMS
Triclopyr	In-house	LCMSMS
Trifluralin	In-house	LLEGCMS
Trihalomethanes	In-house	HSGCMS
Trihalomethanes	EPA 840 B (calc.)	Sum of MAV Ratios
Vinyl chloride	In-house	HSGCMS
Vinyl chloride	EPA 8260 B	PTGCMS
Xylenes	EPA 8260 B	PTGCMS
Xylenes	In-house	HSGCMS

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