

### Certificate of Analysis

#### Laboratory Reference: 150822-056

#### Interim Report

Attention: <span style="background-color: grey; color: grey;">XXXXXXXXXX</span>	Report Number: <b>148779-0</b>
Client: <b>WATERCARE SERVICES LTD</b>	Report Issue Date: <b>24-Aug-2015</b>
Address:	Received Date: <b>22-Aug-2015</b>
Client Reference: <b>Hunua Project Daily 22/08/2015 06:30</b>	Quote Reference: <b>5956</b>
Purchase Order: <b>X-23010-ST-006</b>	

Sample Details	WATERS	WATERS	WATERS	WATERS
Lab Sample ID:	<b>150822-056-1</b>	<b>150822-056-2</b>	<b>150822-056-3</b>	<b>150822-056-4</b>
Client Sample ID:				
Sample Date/Time:	22/08/2015 09:27	22/08/2015 09:20	22/08/2015 08:46	22/08/2015 08:56
Description:	Mangatawhiri Valve Tower SUB 06:30	Wairoa Valve Tower SUB 06:30	Mangatawhiri Below River Confluence 06:30	Mangatawhiri West Piggotts 06:30
Sample Parameters and Field Testing				
Time				
Time Sampled	09:27:00 AM *	09:20:00 AM *	08:46:00 AM *	08:56:00 AM *
Organics				
1080				
1080 (Sodium fluoroacetate)	mg/L	-	-	<0.00005
Subcontracting		Pending	Pending	-

Sample Details	WATERS	WATERS	WATERS	WATERS
Lab Sample ID:	<b>150822-056-5</b>	<b>150822-056-6</b>	<b>150822-056-7</b>	<b>150822-056-8</b>
Client Sample ID:				
Sample Date/Time:	22/08/2015 09:12	22/08/2015 09:26	22/08/2015 08:40	22/08/2015 09:02
Description:	Mangatawhiri Lilburn Stream Arm 06:30	Mangatawhiri Valve Tower 06:30	Wairoa DS Wairoa Stream 06:30	Wairoa North East Wairoa Loop Track 06:30
Sample Parameters and Field Testing				
Time				
Time Sampled	09:12:00 AM *	09:26:00 AM *	08:40:00 AM *	09:02:00 AM *
Organics				
1080				
1080 (Sodium fluoroacetate)	mg/L	<0.00005	<0.00005	<0.00005

Sample Details	WATERS	WATERS
Lab Sample ID:	<b>150822-056-9</b>	<b>150822-056-10</b>
Client Sample ID:		
Sample Date/Time:	22/08/2015 08:10	22/08/2015 09:18
Description:	Wairoa West Repeater Rd 06:30	Wairoa Valve Tower 06:30
Sample Parameters and Field Testing		
Time		
Time Sampled	08:10:00 AM *	09:18:00 AM *
Organics		
1080		
1080 (Sodium fluoroacetate)	mg/L	<0.00005

Results marked with \* are not accredited to International Accreditation New Zealand

Where samples have been supplied by the client they are tested as received. A dash indicates no test performed.

## Reference Methods

The sample(s) referred to in this report were analysed by the following method(s)

Analyte	Method Reference	MDL	Samples	Location
<b>Sample Parameters and Field Testing</b>				
<b>Time</b>				
Time Sampled			All	Auckland
<b>Organics</b>				
<b>1080</b>				
1080 (Sodium fluoroacetate)	In house by LCMS	0.00005 mg/L	3, 4, 5, 6, 7, 8, 9, 10	Auckland
<b>Subcontracting</b>				
COA 1080	As per Subcontractor Method		1, 2	Auckland
<i>The method detection limit (MDL) listed is the limit attainable in a relatively clean matrix. If dilutions are required for analysis the detection limit may be higher. For more information please contact the Operations Manager.</i>				

Samples, with suitable preservation and stability of analytes, will be held by the laboratory for a period of two weeks after results have been reported, unless otherwise advised by the submitter.

Watercare Laboratory Services is a division of Watercare Services Limited .

**This report may not be reproduced, except in full, without the written authority of the Operations Manager.**



Tests indicated as  
not accredited are outside  
the scope of the  
laboratory's accreditation

Report Signatory 24/08/2015

A handwritten signature in blue ink, appearing to read 'Peter Boniface'.

Peter Boniface  
KTP Signatory