

A copy of this certificate is available on [www.fitzsci.ie](http://www.fitzsci.ie).

Customer supplied information appear in italics.

<b>Customer</b>	<b>John Quinn</b> <b>Monaghan Co. Co. GWS</b> <b>Glen Road</b>	<b>Lab Report Ref. No.</b>	<b>2224/149/01</b>
		<b>Date of Receipt</b>	<b>24/10/2023</b>
		<b>Sampled On</b>	<b>24/10/2023</b>
		<b>Date Testing Commenced</b>	<b>24/10/2023</b>
		<b>Received or Collected</b>	<b>By Fitz: Pick up Dylan</b>
	<b>Monaghan, H18 YT50</b>	<b>Condition on Receipt</b>	<b>Acceptable</b>
<b>Customer PO</b>		<b>Date of Report</b>	<b>15/11/2023</b>
<b>Customer Ref</b>	<b>Garron, Castleshane, H18P688</b>	<b>Sample Type</b>	<b>Drinking Water</b>
<b>Ref 2</b>	<b>E273463/N335546</b>		
<b>Ref 3</b>	<b>Audit/Glaslough Tyholland GWS/2400PRI2017</b>		

## CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Limit	Result	Units	Acc.
1,2-Dichloroethane (Potable Water)	154	GCMS	3	<0.8	ug/L	INAB
2,3,6-Trichlorobenzoic Acid (Potable)	543	LC-MS-MS	0.1	<0.017	ug/L	INAB
2,4-D (Potable)	543	LC-MS-MS	0.1	<0.004	ug/L	INAB
2,4-DB (Potable)	543	LC-MS-MS	0.1	0.020	ug/L	INAB
Alkalinity (Potable Water)	102	Colorimetry	-	52	mg/L CaCO3	INAB
Ammonium (Potable Water as NH4)	114	Colorimetry	0.5	<0.04	mg/L as NH4	INAB
Antimony (Potable Water)	177	ICPMS	10	<2	ug/L	INAB
Arsenic (Potable Water)	177	ICPMS	10	<2	ug/L	INAB
Atrazine (Potable)	540	LC-MS-MS	0.1	<0.003	ug/L	INAB
Bentazone (Potable)	543	LC-MS-MS	0.1	<0.007	ug/L	INAB
Benzene (Potable Water)	154	GCMS	1	<0.3	ug/L	INAB
Benzo(a)pyrene (Potable)	575	GCMS	0.01	<0.003	ug/L	INAB
Benzo(b)fluoranthene (Potable)	575	GCMS	-	<0.004	ug/L	INAB
Benzo(g,h,i)perylene (Potable)	575	GCMS	-	<0.004	ug/L	INAB
Benzo(k)fluoranthene (Potable)	575	GCMS	-	<0.004	ug/L	INAB
Boron (Potable Water) mg/L	177	ICPMS	1.5	<0.02	mg/L	INAB
Boscalid (Potable)	540	LC-MS-MS	0.1	<0.003	ug/L	INAB
Bromate (Potable water)	125	IC	10	<2.4	ug/L	INAB
Bromodichloromethane (Potable Water)	154	GCMS	-	12.9	ug/L	INAB
Bromoform (Potable Water)	154	GCMS	-	<2.6	ug/L	INAB



Signed:

*A Harmon*

Date: 15/11/2023

**Aoife Harmon - Laboratory Supervisor**

Acc. : Accredited Parameters by ISO/IEC 17025:2017

Limit as per Monaghan Co Co

For bacterial analysis a result of 0 means none detected in volume examined

All organic results are analysed as received and all results are corrected for dry weight at 104 C

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Results contained in this report relate only to the samples tested (P) : Presumptive Results

\*\* : The test result for this parameter may be invalid as it has exceeded the recommended holding time (BS EN ISO 5667-3:2018)

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\* Subcontracted \*

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<b>Customer Ref</b>	<b>Garron, Castleshane, H18P688</b>	<b>Sample Type</b>	<b>Drinking Water</b>
<b>Ref 2</b>	<b>E273463/N335546</b>		
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Cadmium (Potable Water)	177	ICPMS	5	<1	ug/L	INAB
Chlorfenvinphos (Potable)	540	LC-MS-MS	0.1	<0.007	ug/L	INAB
Chloride (Potable Water)	100	Colorimetry	250	43.1	mg/L	INAB
*Chlorine (Free)*	0	By Subcontractor	0.1	0.15	mg/L	
*Chlorine (Total)*	0	By Subcontractor	0.1	0.36	mg/L	
Chloroform (Potable Water)	154	GCMS	-	78.8	ug/L	INAB
Chlorpropham (Potable)	575	GCMS	0.1	<0.0043	ug/L	INAB
Chlortoluron (Potable)	540	LC-MS-MS	0.1	<0.007	ug/L	INAB
Chromium (Potable Water)	177	ICPMS	50	<4	ug/L	INAB
Clopyralid (Potable)	543	LC-MS-MS	0.1	<0.007	ug/L	INAB
Clostridia perfringens(Potable)P	161	Anaerobic Incubation	0	0	cfu/100ml	INAB
Copper (Potable Water) mg/L	177	ICPMS	2	0.004	mg/L	INAB
*Cyanide (Total)*	0	By Subcontractor	-	<1.2	ug/L	Yes
Cypermethrin (Potable)	575	GCMS	0.1	<0.007	ug/L	INAB
Diazinon (Potable)	540	LC-MS-MS	0.1	<0.02	ug/L	INAB
Dibromochloromethane (Potable Water)	154	GCMS	-	<1.4	ug/L	INAB
Dicamba (Potable)	543	LC-MS-MS	0.1	<0.003	ug/L	INAB
Dichlobenil (Potable)	575	GCMS	0.1	<0.002	ug/L	INAB
Dichlorprop (Potable)	543	LC-MS-MS	0.1	<0.0036	ug/L	INAB
Dieldrin (Potable)	575	GCMS	0.1	<0.006	ug/L	INAB



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Test Parameter	SOP	Analytical Technique	Limit	Result	Units	Acc.
Diflufenican (Potable)	540	LC-MS-MS	0.1	<0.010	ug/L	INAB
Diuron (Potable)	540	LC-MS-MS	0.1	<0.003	ug/L	INAB
*Epichlorohydrin (Acc)*	0	By Subcontractor	-	<0.10	ug/L	Yes
Epoiconazole (Potable)	540	LC-MS-MS	0.1	<0.003	ug/L	INAB
Fluoride (Potable Water)	115	Colorimetry	0.8	<0.08	mg/L	INAB
Fluoroxypyr (Potable)	543	LC-MS-MS	0.1	<0.01	ug/L	INAB
Glyphosate (Potable)	579	LCMS/MS With Derivatisation	0.1	0.01	ug/L	INAB
Hardness Total (Potable Water)	111	Colorimetry	-	102	mg/L CaCO <sub>3</sub>	INAB
Indeno(1,2,3-cd)pyrene (Potable)	575	GCMS	-	<0.003	ug/L	INAB
Isoproturon (Potable)	540	LC-MS-MS	0.1	<0.003	ug/L	INAB
Lead (Potable Water)	177	ICPMS	10	<1	ug/L	INAB
Linuron (Potable)	540	LC-MS-MS	0.1	<0.003	ug/L	INAB
Manganese (Potable)	177	ICPMS	50	8	ug/L	INAB
MCPA (Potable)	543	LC-MS-MS	0.1	0.0363	ug/L	INAB
Mecoprop (Potable)	543	LC-MS-MS	0.1	0.0125	ug/L	INAB
Mercury (Potable water)	178	ICPMS	1	<0.15	ug/L	INAB
Metaldehyde (Potable)	557	LC-MS-MS	0.1	<0.03	ug/L	INAB
Metazachlor (Potable)	540	LC-MS-MS	0.1	<0.007	ug/L	INAB
Nickel (Potable Water)	177	ICPMS	20	<2	ug/L	INAB
Nitrate (Potable Water as NO <sub>3</sub> )	103	Colorimetry	50	<3.99	mg/L as NO <sub>3</sub>	INAB



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Nitrite (Potable Water as NO <sub>2</sub> )	118	Colorimetry	0.5	<0.099	mg/L as NO <sub>2</sub>	INAB
PAH (Sum of 4) (Potable)	575	GCMS	0.1	<0.003	ug/L	INAB
Pendimethalin (Potable)	540	LC-MS-MS	0.1	<0.007	ug/L	INAB
Pentachlorophenol (Potable)	543	LC-MS-MS	0.1	<0.007	ug/L	INAB
Pesticides Total (Potable)	0	Calculation	0.5	0.079	ug/L	
pH (Potable Water)	110	Electrometry	6.5 - 9.5	7.12	pH Units	INAB
Picloram (Potable)	543	LC-MS-MS	0.1	<0.007	ug/L	INAB
Propyzamide (Potable)	540	LC-MS-MS	0.1	<0.007	ug/L	INAB
Selenium (Potable Water)	177	ICPMS	20	<3	ug/L	INAB
Simazine (Potable)	540	LC-MS-MS	0.1	<0.003	ug/L	INAB
Sodium (Potable Water)	184	ICPMS	200	15.2	mg/L	INAB
Sulphate (Potable Water)	119	Colorimetry	250	5	mg/L as SO <sub>4</sub>	INAB
*Temperature (On site)*	0	By Subcontractor	-	12.0	degree C	
Tetrachloroethene & Trichloroethene (Potable)	154	GCMS	10	<2.32	ug/L	INAB
THM Total (Potable Water)	154	GCMS	100	91.7	ug/L	INAB
TOC (Potable Water)	316	TOC Analyser	-	4.0	mg/L	INAB
Triclopyr (Potable)	543	LC-MS-MS	0.1	<0.004	ug/L	INAB
Vinyl chloride (IW Potable Water)	154	GCMS	-	<0.07	ug/L	



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