

A copy of this certificate is available on www.fitzsci.ie.

Customer supplied information appear in italics.

Customer	John Quinn Monaghan Co. Co. GWS Glen Road	Lab Report Ref. No.	2224/161/02
		Date of Receipt	12/12/2023
		Sampled On	12/12/2023
		Date Testing Commenced	12/12/2023
		Received or Collected	By Fitz: Pick up Rafal
	Monaghan, H18 YT50	Condition on Receipt	Acceptable
Customer PO		Date of Report	17/01/2024
Customer Ref	Cloughfin, Carrickroe, H18HD60	Sample Type	Drinking Water
Ref 2	E261900/N345457		
Ref 3	Audit/Truagh GWS/2400PRI2022		

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 (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
2,4-D (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
2,4-DB (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Alkalinity (Potable Water)	102	Colorimetry	-	9	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	4.5	ug/L	INAB
Arsenic (Potable Water)	177	ICPMS	10	<2	ug/L	INAB
Atrazine (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Bentazone (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Benzene (Potable Water)	154	GCMS	1	<0.3	ug/L	INAB
Benzo (a) Pyrene	0	By Subcontractor	0.01	<0.003	ug/L	Yes
Benzo (b)-Fluoranthene	0	By Subcontractor	-	<0.005	ug/L	Yes
Benzo (g,h,i)-Perylene	0	By Subcontractor	-	<0.005	ug/L	Yes
Benzo (k)-Fluoranthene	0	By Subcontractor	-	<0.005	ug/L	Yes
Boron (Potable Water) mg/L	177	ICPMS	1.5	<0.02	mg/L	INAB
Boscalid (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Bromate (Potable water)	125	IC	10	<2.4	ug/L	INAB
Bromodichloromethane (Potable Water)	154	GCMS	-	7.4	ug/L	INAB
Bromoform (Potable Water)	154	GCMS	-	<2.6	ug/L	INAB



Signed:

A Harmon

Aoife Harmon - Laboratory Supervisor

Date: 17/01/2024

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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* Subcontracted *

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Test Parameter	SOP	Analytical Technique	Limit	Result	Units	Acc.
Cadmium (Potable Water)	177	ICPMS	5	<1	ug/L	INAB
Chlorfenvinphos (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Chloride (Potable Water)	100	Colorimetry	250	23.2	mg/L	INAB
Chlorine (Free)	0	By Subcontractor	0.1	0.52	mg/L	
Chlorine (Total)	0	By Subcontractor	0.1	0.69	mg/L	
Chloroform (Potable Water)	154	GCMS	-	78.3	ug/L	INAB
Chlorotoluron (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Chlorpropham (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Chromium (Potable Water)	177	ICPMS	50	<4	ug/L	INAB
Clopyralid (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Clostridia perfringens(Potable)P	161	Anaerobic Incubation	0	0	cfu/100ml	INAB
Copper (Potable Water) mg/L	177	ICPMS	2	0.012	mg/L	INAB
Cyanide (Total)	0	By Subcontractor	50	<1.2	ug/L	Yes
Cypermethrin (Acc)	0	By Subcontractor	0.1	<0.012	ug/L	Yes
Diazinon (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Dibromochloromethane (Potable Water)	154	GCMS	-	<1.4	ug/L	INAB
Dicamba (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Dichlobenil (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Dichlorprop (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Dieldrin (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes



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Ref 2	E261900/N345457		
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Test Parameter	SOP	Analytical Technique	Limit	Result	Units	Acc.
Diflufenican (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Diuron (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Epichlorohydrin (Acc)	0	By Subcontractor	0.1	<0.10	ug/L	Yes
Epoiconazole (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Fluoride (Potable Water)	115	Colorimetry	0.8	<0.08	mg/L	INAB
Fluoroxypyr (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Glyphosate (Potable)	579	LCMS/MS With Derivatisation	0.1	<0.01	ug/L	INAB
Hardness Total (Potable Water)	111	Colorimetry	-	30	mg/L CaCO ₃	INAB
Indeno(1, 2, 3-c,d)pyrene	0	By Subcontractor	-	<0.005	ug/L	Yes
Isoproturon (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Lead (Potable Water)	177	ICPMS	10	1	ug/L	INAB
Linuron (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Manganese (Potable)	177	ICPMS	50	<3	ug/L	INAB
MCPA (Acc)	0	By Subcontractor	0.1	0.017	ug/L	Yes
MCP (Mecoprop) (Acc)	0	By Subcontractor	0.1	0.016	ug/L	Yes
Metaldehyde (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Metazachlor (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Nickel (Potable Water)	177	ICPMS	20	<2	ug/L	INAB
Nitrate (Potable Water as NO ₃)	103	Colorimetry	50	<3.99	mg/L as NO ₃	INAB
Nitrite (Potable Water as NO ₂)	118	Colorimetry	0.5	<0.099	mg/L as NO ₂	INAB



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PAH (sum of 4)	0	By Subcontractor	0.1	<0.020	ug/L	Yes
Pendimethalin (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Pentachlorophenol (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Pesticides Total (Potable)	0	Calculation	0.5	0.033	ug/L	
pH (Potable Water)	110	Electrometry	6.5 - 9.5	7.26	pH Units	INAB
Picloram (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Propyzamide (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Selenium (Potable Water)	177	ICPMS	20	<3	ug/L	INAB
Simazine (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Sodium (Potable Water)	184	ICPMS	200	10	mg/L	INAB
Sulphate (Potable Water)	119	Colorimetry	250	6	mg/L as SO4	INAB
Temperature (On site)	0	By Subcontractor	-	9.0	degree C	
Tetrachloroethene & Trichloroethene (Potable)	154	GCMS	10	<2.32	ug/L	INAB
THM Total (Potable Water)	154	GCMS	100	85.7	ug/L	INAB
TOC (Potable Water)	316	TOC Analyser	-	3.4	mg/L	INAB
Triclopyr (Acc)	0	By Subcontractor	0.1	<0.005	ug/L	Yes
Vinyl chloride (IW Potable Water)	154	GCMS	0.5	<0.07	ug/L	



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