

Test Report

Report of: Drinking Water [European Communities (Drinking Water)(No.2) Regulations 2007 (S.I. No.278 of 2007)].

Report to: Monaghan County Council

Report date: 06/11/15

Location sampled: Stranooden G.W.S

Date collected: 14/09/2015

Date received: 14/09/2015

Analysis group: DW Audit

Comments:

			Laboratory Ref:	1513491
			Type of sample:	Drinking Water
			Sampling point:	McBrides, Rakeane
			Sampled by:	John Quinn
			Time Sampled:	nt
			Start/End - Dates of Analysis:	15-09-15/19-10-15
			Grid Ref:	265208 324110
			Status of results:	Final
Parameter	Units	Limits		
F ** Residual Chlorine	mg/l Cl		0.12	
F ** Taste			ATC	
F ** Odour			nd	
pH	pH	> 6.5 And < 9.5	7.4	
True Colour	Hazen		5	
Conductivity @25°C	µS/cm @ 25	< 2760	296	
Conductivity @20°C	µS/cm @ 20	< 2500	268	
** Coliform Bacteria	No/100 ml	0	0	
** E. Coli	No/100 ml	0	0	
** Clostridia Perfringens	No/100ml	0	0	
** Heterotrophic plate count @ 22°C	No/ml		19	
** Enterococci	No/100ml	0	0	
Chloride	mg/l Cl	< 250	19	
Ammonia	mg/l NH4	< 0.3	0.027	
Nitrite (as NO2)	mg/l NO2	< 0.49	<0.0132	
Ortho-phosphate (as P2O5)	µg/l P2O5	< 5000	110	
Total Oxidised Nitrogen (as NO3)	mg/l NO3	< 50	2.1	
Nitrate (as NO3)	mg/l NO3	< 50	2.1	
** Bromate	ug/l	< 10	1.1	
** Cyanide	mg/l CN	< 0.05	<0.01	
Fluoride	mg/l F	< 0.8	<0.20	
Total Hardness (as Ca)	mg/l Ca		38	
Sulphate	mg/l SO4	< 250	41	
** Total Organic Carbon	mg/l C		7.1	
Turbidity	NTU		<0.50	
Turbidity - Works	NTU		0.68	

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Benzene	ug/l	< 1	<0.60	
** Benzo(a)pyrene	ug/l	< 0.01	<0.001	
** Total PAH	ug/l	< 0.1	0.002	
** Total Pesticides	ug/l	< 0.5	0.146	
1,2-Dichloroethane	ug/l	< 3	<0.60	
Trichloroethene	ug/l		<0.20	
Tetrachloroethene	ug/l		<0.70	
Tetrachloroethane+Trichloroethene	µg/l	< 10	<0.7	
Bromodichloromethane	µg/l		16.6	
Bromoform	µg/l		<0.6	
Chloroform	µg/l		54.3	
Dibromochloromethane	µg/l		2.2	
Total Trihalomethanes	µg/l	< 100	73.1	
Boron	µg/l	< 1000	13	
Sodium	mg/l	< 200	18	
Aluminium	µg/l	< 200	60	
Chromium	µg/l	< 50	<1.0	
Iron	µg/l	< 200	12	
Manganese	µg/l	< 50	22	
Nickel	µg/l	< 20	3.3	
Copper	mg/l	< 2	0.01	
Arsenic	µg/l	< 10	<1.0	
Selenium	µg/l	< 10	<1.0	
Cadmium	µg/l	< 5	<0.020	
Lead	µg/l	< 10	<1.0	
Antimony	µg/l	< 5	<1.0	
Mercury	µg/l		<0.020	

- 1) Results highlighted and in bold exceed specified limits.
- 2) Uncertainty of measurement values have been assigned for each parameter and those for accredited tests are provided in a separate document.
- 3) All metals analysed in EPA Richview Laboratory.
All Total Nitrogens analysed in EPA Kilkenny Laboratory.
PAH's, Bromates, Phenols, Pesticides, Atrazine, Simazine and Surfactants are sub-contracted to either Alcontrol Laboratories or TMS Environment Ltd.
- 4) nm "Not measured"
- 5) nd "None detected"
- 6) nt "No time" - Time not recorded
- 7) nr "Not reported"

- 8) tntc "Too numerous to count"
- 9) fqc Indicates that the testing did not meet the quality control criteria as required by INAB and therefore the result cannot be reported.
- 10) F "Field measured parameters"
- 11) "***" indicates parameters/results produced from non-accredited analytical methods.
- 12) Test Reports relate only to the samples tested and as described on report form.
- 13) Test Reports shall not be reproduced, except in full, without the consent of the EPA.
- 14) The laboratory is accredited by the INAB only for the parameters listed in the scope of Accreditation.
- 15) Coliform Bacteria = Total Coliforms; E.Coli = Faecal Coliforms.
- 16) ATC = Acceptable To Consumers

Signed:

Ray Smith

Date:

06/Nov/2015

Ray Smith
Regional Manager,
EPA
Monaghan