

## 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:** 31/01/14

**Location sampled:** Tydavnet G.W.S

Date collected: 04/11/2013

Date received: 04/11/2013

Analysis group: DW AUDIT

Comments:

			<b>Laboratory Ref:</b>	1304516
			<b>Type of sample:</b>	Drinking Water
			<b>Sampling point:</b>	McCague, Drumbarnet
			<b>Sampled by:</b>	John Quinn
			<b>Time Sampled:</b>	nt
			<b>Start/End - Dates of Analysis:</b>	05-11-13/20-12-13
			<b>Grid Ref:</b>	263557 336603
			<b>Status of results:</b>	<b>Final</b>
Parameter	Units	Limits		
F **	Residual Chlorine	mg/l Cl		0.08
F **	Taste			ATC
F **	Odour			nd
W0 9	pH	pH	> 6.5 And < 9.5	7.5
B12	True Colour	Hazen		5
W0 8	Conductivity @25°C	µS/cm @ 25	< 2760	680
W0 8	Conductivity @20°C	µS/cm @ 20	< 2500	615
**	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		0
**	Enterococci	No/100ml	0	0
W0 7	Chloride	mg/l Cl	< 250	28
W0 7	Ammonia	mg/l NH4	< 0.3	<0.026
W0 7	Nitrite (as NO2)	mg/l NO2	< 0.49	0.022
W0 7	Ortho-phosphate (as P2O5)	µg/l P2O5	< 5000	<23
W0 7	Total Oxidised Nitrogen (as NO3)	mg/l NO3	< 50	<0.89
W0 7	Nitrate (as NO3)	mg/l NO3	< 50	<0.89
**	Bromate	ug/l	< 10	<0.1
**	Cyanide	mg/l CN	< 0.05	<0.01
B10	Fluoride	mg/l F	< 0.8	<b>0.98</b>
B6	Total Hardness (as Ca)	mg/l Ca		56
B10	Sulphate	mg/l SO4	< 250	85.1
**	Total Organic Carbon	mg/l C		1.8
B14	Turbidity	NTU		1.0
B14	Turbidity - Works	NTU		1.6

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Parameter	Units	Limits	
** Boron	µg/l	< 1000	374.5
** Sodium	mg/l	< 200	87.46
** Aluminium	µg/l	< 200	130.1
** Chromium	µg/l	< 50	<1
** Iron	µg/l	< 200	135.4
** Manganese	µg/l	< 50	24.9
** Nickel	µg/l	< 20	<1
** Copper	mg/l	< 2	0.003
** Arsenic	µg/l	< 10	<1
** Selenium	µg/l	< 10	<1
** Cadmium	µg/l	< 5	<0.02
** Lead	µg/l	< 25	<1
** Mercury	µg/l	< 1	<0.05
** Antimony	µg/l	< 5	<1
B15 Benzene	ug/l	< 1	<0.60
** Benzo(a)pyrene	ug/l	< 0.01	<0.001
** Total PAH	ug/l	< 0.1	<0.001
** Total Pesticides	ug/l	< 0.5	0.006
B15 1,2-Dichloroethane	ug/l	< 3	<0.60
B15 Trichloroethene	ug/l		<0.20
B15 Tetrachloroethene	ug/l		<0.70
B15 Tetrachloroethane+Trichloroethene	µg/l	< 10	<0.7
B.1 Bromodichloromethane	µg/l		0.8
B.1 Bromoform	µg/l		<0.6
B.1 Chloroform	µg/l		6.4
B.1 Dibromochloromethane	µg/l		<0.6
B.1 Total Trihalomethanes	µg/l	< 100	7.3

- 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 paramters/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:



Date:

31/Jan/2014

Ray Smith  
Regional Manager,  
EPA  
Monaghan