

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: 14/06/13

Location sampled: Magheracloone G.W.S

Date collected: 22/04/2013

Date received: 22/04/2013

Analysis group: DW AUDIT

Comments:

			Laboratory Ref:	1301382
			Type of sample:	Drinking Water
			Sampling point:	McEaney, Rafeeragh
			Sampled by:	Dermot McCague
			Time Sampled:	nt
			Start/End - Dates of Analysis:	23-04-13/24-05-13
			Grid Ref:	275086 303972
			Status of results:	Final
Parameter	Units	Limits		
F **	Residual Chlorine	mg/l Cl		0.95
F **	Taste			ATC
F **	Odour			nd
B7	pH	pH	> 6.5 And < 9.5	7.9
B12	True Colour	Hazen		15
B4	Conductivity @25°C	µS/cm @ 25	< 2760	181
B4	Conductivity @20°C	µS/cm @ 20	< 2500	164
**	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
B17	Chloride	mg/l Cl	< 250	17
B17	Ammonia	mg/l NH4	< 0.3	<0.04
B17	Nitrite (as NO2)	mg/l NO2	< 0.49	<0.007
B17	Ortho-phosphate (as P2O5)	µg/l P2O5	< 5000	<91.61
B17	Total Oxidised Nitrogen (as NO3)	mg/l NO3	< 50	1.64
B17	Nitrate (as NO3)	mg/l NO3	< 50	1.63
**	Bromate	ug/l	< 10	3.9
**	Cyanide	mg/l CN	< 0.05	<0.01
B10	Fluoride	mg/l F	< 0.8	<0.150
B6	Total Hardness (as Ca)	mg/l Ca		25
B10	Sulphate	mg/l SO4	< 250	6.9
**	Total Organic Carbon	mg/l C		4.5
B14	Turbidity	NTU		0.5
B14	Turbidity - Works	NTU		0.6

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Parameter	Units	Limits	
** Boron	µg/l	< 1000	<10
** Sodium	mg/l	< 200	11.45
** Aluminium	µg/l	< 200	<5
** Chromium	µg/l	< 50	<0.5
** Iron	µg/l	< 200	<10
** Manganese	µg/l	< 50	<1
** Nickel	µg/l	< 20	2.6
** Copper	mg/l	< 2	0.012
** Arsenic	µg/l	< 10	<0.5
** Selenium	µg/l	< 10	<0.5
** Cadmium	µg/l	< 5	<0.1
** Lead	µg/l	< 25	<0.5
** Mercury	µg/l	< 1	<0.05
** Antimony	µg/l	< 5	<0.5
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	<0.02
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		13.4
B.1 Bromoform	µg/l		<0.6
B.1 Chloroform	µg/l		46.7
B.1 Dibromochloromethane	µg/l		2.4
B.1 Total Trihalomethanes	µg/l	< 100	62.5

- 1) Results highlighted and in bold exceed specified limits even taking uncertainty of measurement into account
- 2) Uncertainty of measurement values have been assigned for each parameter and those for accredited tests are provided in a separate document. Uncertainty figures are automatically applied when calculating limit exceedances as per note 1
- 3) All metals analysed in EPA Richview Laboratory
Cyanides, PAH's, Bromates, Phenols, Pesticides, Atrazine, Simazine, Kjeldahl Nitrogen 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) tntc "Too numerous to count"
- 8) fqc Indicates that the testing did not meet the quality control criteria as required by INAB and therefore the result cannot be reported.
- 9) F "Field measured parameters"
- 10) *** indicates parameters/results produced from non-accredited analytical methods.
- 11) Test Reports relate only to the samples tested and as described on report form.
- 12) Test Reports shall not be reproduced, except in full, without the consent of the EPA.
- 13) The laboratory is accredited by the INAB only for the parameters listed in the scope of Accreditation.
- 14) Coliform Bacteria = Total Coliforms; E.Coli = Faecal Coliforms.
- 15) ATC = Acceptable To Consumers.
- 16) NR = Not Reported.

Signed: PP *Regina Mc Gin*

Date: 14/Jun/2013

Ray Smith
Regional Manager,
EPA
Monaghan