

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: 01/09/14

Location sampled: Killany G.W.S

Date collected: 07/07/2014

Date received: 07/07/2014

Analysis group: DW AUDIT

Comments:

			Laboratory Ref:	1412110
			Type of sample:	Drinking Water
			Sampling point:	Ruth, Annacroff
			Sampled by:	Dermot McCague
			Time Sampled:	nt
			Start/End - Dates of Analysis:	08-07-14/28-08-14
			Grid Ref:	287097 303462
			Status of results:	Final
Parameter	Units	Limits		
F ** Residual Chlorine	mg/l Cl			0.52
F ** Taste				ATC
F ** Odour				nd
pH	pH	> 6.5 And < 9.5		7.8
True Colour	Hazen			7
Conductivity @25°C	µS/cm @ 25	< 2760		552
Conductivity @20°C	µS/cm @ 20	< 2500		499
** 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			1
** Enterococci	No/100ml	0		0
Chloride	mg/l Cl	< 250		48
Ammonia	mg/l NH4	< 0.3		<0.026
Nitrite (as NO2)	mg/l NO2	< 0.49		<0.0132
Ortho-phosphate (as P2O5)	µg/l P2O5	< 5000		<23
Total Oxidised Nitrogen (as NO3)	mg/l NO3	< 50		3.1
Nitrate (as NO3)	mg/l NO3	< 50		3.1
** Bromate	ug/l	< 10		<0.1
** Cyanide	mg/l CN	< 0.05		<0.01
Fluoride	mg/l F	< 0.8		<0.150
Total Hardness (as Ca)	mg/l Ca			90
Sulphate	mg/l SO4	< 250		14.0
** Total Organic Carbon	mg/l C			2.7
Turbidity	NTU			<0.5
Turbidity - Works	NTU			<0.5

Laboratory Ref:	1412110
Type of sample:	Drinking Water
Sampling point:	Ruth, Annacroff
Sampled by:	Dermot McCague
Time Sampled:	nt
Start/End - Dates of Analysis:	08-07-14/28-08-14
Grid Ref:	287097 303462
Status of results:	Final

Parameter	Units	Limits	
** Boron	µg/l	< 1000	12
** Sodium	mg/l	< 200	22
** Aluminium	µg/l	< 200	<10.0
** Chromium	µg/l	< 50	<1.0
** Iron	µg/l	< 200	<10.0
** Manganese	µg/l	< 50	<5.0
** Nickel	µg/l	< 20	3.3
** Copper	mg/l	< 2	0.03
** Arsenic	µg/l	< 10	<1.0
** Selenium	µg/l	< 10	<1.0
** Cadmium	µg/l	< 5	<0.020
** Lead	µg/l	< 25	<1.0
** Antimony	µg/l	< 5	<1.0
** Mercury	µg/l		<0.050
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	<0.011
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		15.7
Bromoform	µg/l		0.9
Chloroform	µg/l		16.0
Dibromochloromethane	µg/l		9.1
Total Trihalomethanes	µg/l	< 100	41.7

- | | |
|--|--|
| 1) Results highlighted and in bold exceed specified limits. | 8) tntc "Too numerous to count" |
| 2) Uncertainty of measurement values have been assigned for each parameter and those for accredited tests are provided in a separate document. | 9) fqc Indicates that the testing did not meet the quality control criteria as required by INAB and therefore the result cannot be reported. |
| 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. | 10) F "Field measured parameters" |
| 4) nm "Not measured" | 11) "***" indicates paramters/results produced from non-accredited analytical methods. |
| 5) nd "None detected" | 12) Test Reports relate only to the samples tested and as described on report form. |
| 6) nt "No time" - Time not recorded | 13) Test Reports shall not be reproduced, except in full, without the consent of the EPA. |
| 7) nr "Not reported" | 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:

01/Sep/2014

Ray Smith
Regional Manager,
EPA
Monaghan