

## 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:** 05/09/13

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

Date collected: 09/07/2013

Date received: 09/07/2013

Analysis group: DW AUDIT

Comments:

			<b>Laboratory Ref:</b>	1302580
			<b>Type of sample:</b>	Drinking Water
			<b>Sampling point:</b>	Hand, Radrumskeane
			<b>Sampled by:</b>	Dermot McCague
			<b>Time Sampled:</b>	nt
			<b>Start/End - Dates of Analysis:</b>	10-07-13/20-08-13
			<b>Grid Ref:</b>	288184 303797
			<b>Status of results:</b>	<b>Final</b>
Parameter	Units	Limits		
F **	Residual Chlorine	mg/l Cl		0.67
F **	Taste			ATC
F **	Odour			nd
B7	pH	pH	> 6.5 And < 9.5	7.6
B12	True Colour	Hazen		9
B4	Conductivity @25°C	µS/cm @ 25	< 2760	573
B4	Conductivity @20°C	µS/cm @ 20	< 2500	518
**	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	56
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	3.1
B17	Nitrate (as NO3)	mg/l NO3	< 50	3.092
**	Bromate	ug/l	< 10	<0.1
**	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		89
B10	Sulphate	mg/l SO4	< 250	15.3
**	Total Organic Carbon	mg/l C		2.4
B14	Turbidity	NTU		<0.5
B14	Turbidity - Works	NTU		<0.5

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Parameter	Units	Limits	
** Boron	µg/l	< 1000	15.7
** Sodium	mg/l	< 200	28.69
** Aluminium	µg/l	< 200	6.1
** 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	0.02
** Arsenic	µg/l	< 10	<0.5
** Selenium	µg/l	< 10	<0.5
** Cadmium	µg/l	< 5	<0.1
** Lead	µg/l	< 25	0.7
** 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 E Bromodichloromethane	µg/l		15.9
B.1 E Bromoform	µg/l		1.0
B.1 E Chloroform	µg/l		15.1
B.1 E Dibromochloromethane	µg/l		9.2
B.1 E Total Trihalomethanes	µg/l	< 100	41.2

- Results highlighted and in bold exceed specified limits even taking uncertainty of measurement into account
- 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
- 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.
- nm "Not measured"
- nd "None detected"
- nt "No time" - Time not recorded
- tntc "Too numerous to count"
- fqc Indicates that the testing did not meet the quality control criteria as required by INAB and therefore the result cannot be reported.
- F "Field measured parameters"
- \*\*\* indicates parameters/results produced from non-accredited analytical methods.
- Test Reports relate only to the samples tested and as described on report form.
- Test Reports shall not be reproduced, except in full, without the consent of the EPA.
- The laboratory is accredited by the INAB only for the parameters listed in the scope of Accreditation.
- Coliform Bacteria = Total Coliforms; E.Coli = Faecal Coliforms.
- ATC = Acceptable To Consumers

Signed:

*Ray Smith*

Date:

05/Sep/2013

Ray Smith  
Regional Manager,  
EPA  
Monaghan