

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: 02/01/14

Location sampled: Aughnashalvey G.W.S

Date collected: 14/10/2013

Date received: 14/10/2013

Analysis group: DW Audit

Comments: Due to instrument problems the VOCs were subcontracted to Environmental Laboratory Services (ELS). This lab is also accredited for VOCs in Drinking water.

Laboratory Ref:			1304343
Type of sample:			Drinking Water
Sampling point:			McCullough, Kincorragh
Sampled by:			John Quinn
Time Sampled:			nt
Start/End - Dates of Analysis:			14-10-13/20-12-13
Grid Ref:			256955 331918
Status of results:			Final
Parameter	Units	Limits	
F** Residual Chlorine	mg/l Cl		0.14
F** Taste			ATC
F** Odour			nd
B7 pH	pH	> 6.5 And < 9.5	7.2
B12 True Colour	Hazen		7
B4 Conductivity @25°C	µS/cm @ 25	< 2760	545
B4 Conductivity @20°C	µS/cm @ 20	< 2500	493
** 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	32
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	1.06
B17 Nitrate (as NO3)	mg/l NO3	< 50	1.054
** 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		68
B10 Sulphate	mg/l SO4	< 250	96.6
** Total Organic Carbon	mg/l C		3.3

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B14	Turbidity	NTU		<0.5
B14	Turbidity - Works	NTU		<0.5
**	Boron	µg/l	< 1000	12.5
**	Sodium	mg/l	< 200	44.04
**	Aluminium	µg/l	< 200	<10
**	Chromium	µg/l	< 50	<1
**	Iron	µg/l	< 200	<10
**	Manganese	µg/l	< 50	<5
**	Nickel	µg/l	< 20	3.0
**	Copper	mg/l	< 2	0.024
**	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	<0.1
**	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
B15	1,2-Dichloroethane	ug/l	< 3	<0.1
B15	Trichloroethene	ug/l		<0.1
B15	Tetrachloroethene	ug/l		<0.1
B15	Tetrachloroethane+Trichloroethene	µg/l	< 10	<0.1
B.1 5	Bromodichloromethane	µg/l		5.9
B.1 5	Bromoform	µg/l		<1.0
B.1 5	Chloroform	µg/l		16.1
B.1 5	Dibromochloromethane	µg/l		<1.0
B.1 5	Total Trihalomethanes	µg/l	< 100	22.0

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| 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 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) 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) "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:



Date:

02/Jan/2014

Ray Smith
Regional Manager,
EPA
Monaghan