

Customer

Pascal Rooney
Irish Water
Water Service
Monaghan County Council
Monaghan
Monaghan

Certificate Of Analysis

Job Number: 16-20329
Issue Number: 2
Report Date: 17 October 2016

Reason for re-issuing report: Report Amended

Site: Glaslough PWS
PO Number: 51125947
Date Samples Received: 18/08/2016

Please find attached the results for the samples received at our laboratory on 18/08/2016.

Should you have any queries regarding the report or require any further services, we would be happy to discuss your requirements. For additional information about the company please log-on to our website at the above address.

Thank you for choosing City Analysts Limited. We look forward to assisting you again.

Authorised By:



Shane Reynolds
Laboratory Manager

Authorised Date: 17 October 2016

Notes:

Results relate only to the items tested.
Information on methods of analysis and performance characteristics is available on request.
Any opinions or interpretations indicated are outside the scope of our INAB accreditation.
This test report shall not be reproduced except in full or with written approval of City Analysts Limited.

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Report Reference: 16-20329

Report Version: 2

Site: Glaslough PWS

Sample Description: 5 Tully Ree Glaslough, Marion McKenny

Date of Sampling: 18/08/2016

Sample Type: Treated

Date Sample Received: 18/08/2016

Lab Reference Number: 329548

Site / Method Ref.	Analysis Start Date	Parameter	Result	Units	PV Value (Drinking Water Only)
S/S1016#	25/08/2016	1,2-Dichloroethane	< 0.50	ug/l	<= 3.00
D/D3001#	25/08/2016	Aluminium, Total	101.11	ug/l	<= 200.00
D/D3000#	24/08/2016	Ammonia as NH4	0.133	mg/l	<= 0.300
*U	-	Antimony	< 0.33	ug/l	<= 5.00
*U	-	Arsenic	0.60	ug/l	<= 10.00
S/S#	25/08/2016	Benzene	< 0.50	ug/l	<= 1.00
D/D3001#	26/08/2016	Boron	< 50.00	ug/l	<= 1000.00
U	-	Bromate as BrO3	2.60	ug/l	<= 10.00
U	-	Metaldehyde	0.01	ug/l	-
D/D3001#	25/08/2016	Cadmium	0.32	ug/l	<= 5.00
D/D3006	18/08/2016	Chlorine, Free	0.210	mg/l	-
D/D3000#	24/08/2016	Chloride	44.487	mg/l	<= 250.000
D/D3001#	25/08/2016	Chromium	< 0.60	ug/l	<= 50.00
D/D3010#	10/09/2016	Colour Apparent	< 5.00	Hazen	-
D/D3011#	18/08/2016	Conductivity @ 20 °C	292.5	uS/cm @20 °C	<= 2500.0
D/D3001#	26/08/2016	Copper	242.83	ug/l	<= 2000.00
*U	-	Cyanide, Total	2.50	ug/l	<= 50.00
*	-	Epichlorohydrin	< 0.10	ug/l	<= 0.10

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*U	-	Acrylamide	< 0.013	ug/l	<= 0.100
D/D3015#	25/08/2016	Fluoride	< 0.1	mg/l	<= 0.9
*U	-	Glyphosate	< 0.01	ug/l	-
D/D3001#	25/08/2016	Iron	< 7.20	ug/l	<= 200.00
D/D3001#	25/08/2016	Lead	6.90	ug/l	<= 10.00
D/D3001#	25/08/2016	Manganese	5.84	ug/l	<= 50.00
*U	-	Mercury	< 0.06	ug/l	<= 1.00
D/D3000#	24/08/2016	Nitrite as N02	< 0.066	mg/l	<= 0.500
D/D3000#	24/08/2016	Nitrate as N03	< 8.900	mg/l	<= 50.000
D/D3001#	25/08/2016	Nickel	0.81	ug/l	<= 20.00
D/	19/08/2016	Odour	0	N/A	-
D/	19/08/2016	Taste (Nature)	0	N/A	-
D/D1041#	18/08/2016	PH	7.41	pH Unit	6.50 - 9.50
*U	-	Selenium	< 0.16	ug/l	<= 10.00
D/D3001#	26/08/2016	Sodium	19.029	mg/l	<= 200.000
D/D3000#	19/08/2016	Sulphate	< 20.000	mg/l	<= 250.000
S/S1016#	26/08/2016	Tetrachloroethene	< 0.60	ug/l	<= 10.00
S/S3224#	01/09/2016	Total Organic Carbon	3.280	mg/l	NAC & ATC

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S/S#	26/08/2016	Trichloroethene	< 0.60	ug/l	<= 10.00
D/D3054#	25/08/2016	Turbidity	0.72	NTU	NAC & ATC
*U	-	Vinyl Chloride	< 0.50	ug/l	<= 0.50
*	-	Pesticides Total	0.19	ug/l	<= 0.50
D/D1214#	18/08/2016	Clostridium perfringens	< 1	cfu/100ml	<= 0
D/D1201#	18/08/2016	Coliforms	< 1.0	MPN/100ml	<= 0.0
D/D1201#	18/08/2016	E.coli	< 1.0	MPN/100ml	<= 0.0
D/D3200	18/08/2016	Faecal Enterococci	< 1.0	MPN/100ml	<= 0.0
D/D1208#	18/08/2016	TVC @ 22°C	< 1	cfu/ml	NAC
Acid Herbicides					
*U	-	Propyzamide	< 0.01	ug/l	<= 0.10
*U	-	2,4 D	< 0.01	ug/l	<= 0.10
*U	-	Bentazone	< 0.01	ug/l	<= 0.10
*U	-	Bromoxynil	0.01	ug/l	<= 0.10
*U	-	Clopyralid	0.06	ug/l	<= 0.10
*U	-	Dicamba	< 0.02	ug/l	<= 0.10
*U	-	Dichlorprop	< 0.01	ug/l	<= 0.10
*U	-	MCPA	0.06	ug/l	<= 0.10

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*U	-	MCPB	< 0.01	ug/l	<= 0.10
*U	-	Mecoprop (Total)	0.02	ug/l	<= 0.10
*U	-	Tricloypr	< 0.01	ug/l	<= 0.10
*U	-	Benazolin	< 0.01	ug/l	<= 0.10
*	-	2,3,6 TBA	< 0.02	ug/l	-
*U	-	Fenoprop	< 0.01	ug/l	<= 0.10
*U	-	Picloram	< 0.01	ug/l	<= 0.10
OCP					
*U	-	Dieldrin	< 0.01	ug/l	<= 0.03
*U	-	p,p'-DDT	< 0.01	ug/l	<= 0.10
*U	-	Aldrin	< 0.01	ug/l	<= 0.03
*U	-	Alpha BHC	< 0.01	ug/l	<= 0.10
*U	-	Beta BHC	< 0.01	ug/l	<= 0.10
*U	-	Gamma BHC	< 0.01	ug/l	<= 0.10
*U	-	Chlorothalonil	< 0.01	ug/l	<= 0.10
*U	-	Dichlobenil	< 0.01	ug/l	<= 0.10
*U	-	Alpha-Endosulphan	< 0.01	ug/l	<= 0.10
*U	-	Endosulphan-beta	< 0.02	ug/l	<= 0.10

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*U	-	Endrin	< 0.01	ug/l	<= 0.10
*U	-	Hexachlorobenzene	< 0.01	ug/l	<= 0.10
*U	-	Heptachlor	< 0.01	ug/l	<= 0.03
*U	-	Heptachlor Epoxide	< 0.01	ug/l	<= 0.03
*U	-	Isodrin	< 0.01	ug/l	<= 0.10
*U	-	Alachlor	< 0.01	ug/l	<= 0.03
*U	-	Heptachlor-endo-epoxide	< 0.01	ug/l	<= 0.10
*U	-	Heptachlor-exo-epoxide	< 0.01	ug/l	-
OPP					
*	-	Cypermethrin	< 0.01	ug/l	-
*U	-	Chlorfenvinphos	< 0.01	ug/l	<= 0.10
*U	-	Diazinon	< 0.01	ug/l	<= 0.10
*U	-	Dichlorvos	< 0.01	ug/l	<= 0.10
*U	-	Dimethoate	< 0.01	ug/l	<= 0.10
*U	-	Malathion	< 0.01	ug/l	<= 0.10
*U	-	Propetamphos	< 0.01	ug/l	<= 0.10
PAH EPA Suite (6 Constituents)					
*U	-	Fluoranthene	0.09	ug/l	-

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*U	-	Benzo(b)fluoranthene	< 0.01	ug/l	-
*U	-	Benzo(k)fluoranthene	< 0.01	ug/l	-
*U	-	Benzo(a)pyrene	< 0.01	ug/l	-
*U	-	Benzo(ghi)perylene	< 0.01	ug/l	-
*U	-	Ideno (123cd) pyrene	< 0.01	ug/l	-
*U	-	Anthracene	< 0.01	ug/l	-
*U	-	Total PAH	< 0.01	ug/l	<= 0.10
THM					
S/S1016#	26/08/2016	Chloroform	123.02	ug/l	-
S/S1016#	26/08/2016	Bromodichloromethane	19.93	ug/l	-
S/S1016#	26/08/2016	Chlorodibromomethane	1.92	ug/l	-
S/S1016#	26/08/2016	Bromoform	< 0.90	ug/l	-
S/S1016#	26/08/2016	Total THM	144.87	ug/l	<= 100.00
Triazines					
*U	-	Atrazine	< 0.01	ug/l	<= 0.10
*U	-	Prometryn	< 0.01	ug/l	-
*U	-	Propazine	< 0.01	ug/l	<= 0.10
*U	-	Simazine	< 0.01	ug/l	<= 0.10

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PV Limit breached

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*U	-	Terbutryn	< 0.01	ug/l	<= 0.10
*U	-	Trietazine	< 0.01	ug/l	<= 0.10
*U	-	Fenpropimorph	< 0.01	ug/l	<= 0.10
*U	-	Pendimethalin	< 0.01	ug/l	<= 0.10
*U	-	Pirimicarb	< 0.01	ug/l	<= 0.10
Urons and Canazoles					
*U	-	Chlorotoluron	< 0.01	ug/l	<= 0.10
*U	-	Diuron	< 0.01	ug/l	<= 0.10
*U	-	Isoproturon	< 0.01	ug/l	<= 0.10
*U	-	Linuron	< 0.01	ug/l	<= 0.10
*U	-	Monuron	< 0.01	ug/l	<= 0.10
*U	-	Methabenzthiazuron	< 0.01	ug/l	<= 0.10
*U	-	Metamitron	< 0.01	ug/l	<= 0.10
*U	-	Prothioconazole	< 0.01	ug/l	<= 0.10
*U	-	Tebuconazole	< 0.01	ug/l	<= 0.10
*U	-	Tebuthiuron	< 0.01	ug/l	<= 0.10
*U	-	Epoxiconazole	< 0.01	ug/l	<= 0.10
*U	-	Carbetamide	< 0.01	ug/l	<= 0.10

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*U	-	Carbofuran	< 0.01	ug/l	<= 0.10
*U	-	Propiconazole	< 0.01	ug/l	<= 0.10

Comments

E271758 N341350

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