

Customer

Pascal Rooney
Monaghan County Council
Water Services
Monaghan

Certificate Of Analysis

Job Number: 17-32060
Issue Number: 1
Report Date: 2 August 2017

Site: Drumgole GWS
PO Number: Not Supplied
Date Samples Received: 10/07/2017

Please find attached the results for the samples received at our laboratory on 10/07/2017.

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: 2 August 2017

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: 17-32060

Report Version: 1

Site: Drumgole GWS
Sample Description: Cassidy, Drumintin
Sample Type: Treated
Lab Reference Number: 364959

Date of Sampling: 10/07/2017

Date Sample Received: 10/07/2017

Site / Method Ref.	Analysis Start Date	Parameter	Result	Units	PV Value (Drinking Water Only)
Mon Private Audit 17-02218					
S/S1016#	18/07/2017	1,2-Dichloroethane	< 0.50	ug/l	<= 3.00
D/D3001#	13/07/2017	Aluminium, Total	< 5.0	ug/l	<= 200.0
D/D3000#	13/07/2017	Ammonia as NH4	0.017	mg/l	<= 0.300
*U	-	Antimony	0.26	ug/l	<= 5.00
*U	-	Arsenic	0.14	ug/l	<= 10.00
S/S#	18/07/2017	Benzene	< 0.50	ug/l	<= 1.00
D/D3001#	17/07/2017	Boron	< 0.05	mg/l	<= 1.00
U	-	Bromate as BrO3	< 0.30	ug/l	<= 10.00
D/D3001#	13/07/2017	Cadmium	0.2	ug/l	<= 5.0
	10/07/2017	Chlorine, Free Client Supplied	0.020	mg/l	-
	10/07/2017	Chlorine, Total Client Supplied	0.230	mg/l	-
D/D3000#	13/07/2017	Chloride	43.616	mg/l	<= 250.000
D/D3001#	13/07/2017	Chromium	2.7	ug/l	<= 50.0
D/D3010#	13/07/2017	Colour Apparent	< 5.00	Hazen	-
D/D3011#	10/07/2017	Conductivity @ 20°C	359.0	uS/cm @20°C	<= 2500.0
D/D3001#	11/07/2017	Copper	0.0	mg/l	<= 2.0
*U	-	Cyanide, Total	1.90	ug/l	<= 50.00

= INAB Accredited, U = UKAS Accredited, * = Subcontracted

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NAC & ATC - No abnormal change and acceptable to customers.

TVC - Total viable count

Site D = Analysed at City Analysts Dublin. Site S = Analysed at City Analysts Shannon

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D/D3015#	12/07/2017	Fluoride	< 0.1	mg/l	<= 0.8
D/D3001#	13/07/2017	Iron	< 7.2	ug/l	<= 200.0
D/D3001#	13/07/2017	Lead	< 1.7	ug/l	<= 10.0
D/D3001#	13/07/2017	Manganese	5.1	ug/l	<= 50.0
*U	-	Mercury	< 0.01	ug/l	<= 1.00
D/D3000#	13/07/2017	Nitrite as N02	< 0.066	mg/l	<= 0.500
D/D3000#	13/07/2017	Nitrate as N03	< 8.900	mg/l	<= 50.000
D/D3001#	13/07/2017	Nickel	2.5	ug/l	<= 20.0
EO165#*	-	Simazine-LC	< 0.0050	ug/L	<= 0.1000
EO162#*	-	Trichlopyr	< 0.0050	ug/L	<= 0.1000
EO162#*	-	Clopyralid	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Pyrene	< 0.0100	ug/L	-
EO165#*	-	Propyzamide-Triaz-LC	< 0.0050	ug/L	<= 0.1000
EO165#*	-	Linuron-LC	< 0.0050	ug/L	<= 0.1000
EO162#*	-	Dichloroprop (24DP)	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Fluorene	< 0.0100	ug/L	-
EO165#*	-	Atrazine-LC	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Dichlobenil (IH)	< 0.0050	ug/L	<= 0.1000

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EO162#*	-	Mecoprop (MCP)	0.0110	ug/L	<= 0.1000
EO181*	-	Drinking Water PAH Sum	< 0.0100	ug/L	<= 0.1000
EO181#*	-	Indeno (123-cd) Pyrene	< 0.0050	ug/L	-
EO165#*	-	Metaldehyde-LC	0.0110	ug/L	<= 0.1000
EO164#*	-	Glyphosate-LC	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Chrysene	< 0.0030	ug/L	-
EO181#*	-	Benzo (b) Fluoranthene	< 0.0100	ug/L	-
EO181#*	-	Dibenzo (ah) Anthracene	< 0.0050	ug/L	-
EO165#*	-	Diuron-LC	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Benzo (a) Pyrene	< 0.0030	ug/L	<= 0.0100
EO162#*	-	MCPA	0.0100	ug/L	<= 0.1000
EO181#*	-	Phenanthrene	< 0.0100	ug/L	-
EO162#*	-	236-Trichlorobenzoic Acid (TBA)	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Pendimethalin (IH)	< 0.0050	ug/L	-
EO162#*	-	Bentazone	< 0.0050	ug/L	<= 0.1000
EO165#*	-	Diflufenican-Triaz-LC	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Benzo (ghi) Perylene	< 0.0100	ug/L	-
EO181#*	-	Cypermethrin-(IH)	< 0.0050	ug/L	<= 0.1000

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EO165#*	-	Isoproturon-LC	< 0.0050	ug/L	<= 0.1000
EO162#*	-	2,4 D	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Benzo (k) Fluoranthene	< 0.0100	ug/L	-
EO181#*	-	Fluoranthene	< 0.0100	ug/L	-
EO165#*	-	Chlorfenvinphos-LC	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Acenaphthene	< 0.0030	ug/L	-
EO181#*	-	Benzo (a) Anthracene	< 0.0050	ug/L	-
D/	11/07/2017	Odour	0	N/A	NAC & ATC
D/	11/07/2017	Taste (Nature)	0	N/A	NAC & ATC
D/D1041#	10/07/2017	PH	7.25	pH Unit	6.50 - 9.50
*U	-	Selenium	< 0.42	ug/l	<= 10.00
D/D3001#	14/07/2017	Sodium	33.927	mg/l	<= 200.000
D/D3000#	13/07/2017	Sulphate	49.096	mg/l	<= 250.000
S/S1016#	18/07/2017	Tetrachloroethene	< 0.60	ug/l	<= 10.00
S/S1016#	18/07/2017	Chloroform	37.09	ug/l	-
S/S1016#	18/07/2017	Bromodichloromethane	17.77	ug/l	-
S/S1016#	18/07/2017	Chlorodibromomethane	4.66	ug/l	-
S/S1016#	18/07/2017	Bromoform	< 0.90	ug/l	-

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S/S1016#	18/07/2017	Total THM	59.52	ug/l	<= 100.00
S/S3224#	14/07/2017	Total Organic Carbon	2.450	mg/l	NAC & ATC
S/S#	18/07/2017	Trichloroethene	< 0.60	ug/l	<= 10.00
D/D3054#	13/07/2017	Turbidity	0.30	NTU	NAC & ATC
S266*	-	Pesticides Total	0.03	ug/l	<= 0.50
D/D1214#	10/07/2017	Clostridium perfringens	< 1	cfu/100ml	<= 0
D/D1201#	10/07/2017	Coliforms	< 1.0	MPN/100ml	<= 0.0
D/D1201#	10/07/2017	E.coli	< 1.0	MPN/100ml	<= 0.0
D/D1205#	10/07/2017	Enterococci	< 1	cfu/100ml	<= 0
D/D1208#	10/07/2017	TVC @ 22°C	< 1	cfu/ml	NAC

Comments

E261368 N318712

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