

Customer

Pascal Rooney
Monaghan County Council
Water Services
Monaghan

Certificate Of Analysis

Job Number: 17-31224
Issue Number: 1
Report Date: 2 August 2017

Site: Aughnashalvey 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: 17-31224

Report Version: 1

Site: Aughnashalvey GWS

Sample Description: McArees

Date of Sampling: 10/07/2017

Sample Type: Treated

Date Sample Received: 10/07/2017

Lab Reference Number: 364956

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	< 0.013	mg/l	<= 0.300
*U	-	Antimony	0.24	ug/l	<= 5.00
*U	-	Arsenic	0.15	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	0.4	ug/l	<= 5.0
	10/07/2017	Chlorine, Free Client Supplied	0.300	mg/l	-
	10/07/2017	Chlorine, Total Client Supplied	0.400	mg/l	-
D/D3000#	13/07/2017	Chloride	42.463	mg/l	<= 250.000
D/D3001#	13/07/2017	Chromium	3.1	ug/l	<= 50.0
D/D3010#	13/07/2017	Colour Apparent	< 5.00	Hazen	-
D/D3011#	10/07/2017	Conductivity @ 20°C	423.0	uS/cm @20°C	<= 2500.0
D/D3001#	11/07/2017	Copper	0.0	mg/l	<= 2.0
*U	-	Cyanide, Total	< 1.70	ug/l	<= 50.00

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

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For queries on results, please contact us within two weeks of the report date to ensure that we can accommodate your query as samples cannot be stored indefinitely.

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	9.6	ug/l	<= 200.0
D/D3001#	13/07/2017	Lead	< 1.7	ug/l	<= 10.0
D/D3001#	13/07/2017	Manganese	< 0.7	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	2.9	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	0.0120	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)	< 0.0050	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	0.0080	ug/L	<= 0.1000
EO164#*	-	Glyphosate-LC	0.0150	ug/L	<= 0.1000
EO181#*	-	Chrysene	< 0.0030	ug/L	-
EO181#*	-	Cypermethrin-(IH)	< 0.0050	ug/L	<= 0.1000
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	0.0240	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	-

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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	7.11	pH Unit	6.50 - 9.50
*U	-	Selenium	< 0.42	ug/l	<= 10.00
D/D3001#	14/07/2017	Sodium	24.161	mg/l	<= 200.000
D/D3000#	13/07/2017	Sulphate	42.351	mg/l	<= 250.000
S/S1016#	18/07/2017	Tetrachloroethene	< 0.60	ug/l	<= 10.00
S/S1016#	18/07/2017	Chloroform	23.97	ug/l	-
S/S1016#	18/07/2017	Bromodichloromethane	18.14	ug/l	-
S/S1016#	18/07/2017	Chlorodibromomethane	8.67	ug/l	-
S/S1016#	18/07/2017	Bromoform	< 0.90	ug/l	-

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S/S1016#	18/07/2017	Total THM	50.78	ug/l	<= 100.00
S/S3224#	14/07/2017	Total Organic Carbon	2.510	mg/l	NAC & ATC
S/S#	18/07/2017	Trichloroethene	< 0.60	ug/l	<= 10.00
D/D3054#	13/07/2017	Turbidity	0.13	NTU	NAC & ATC
S266*	-	Pesticides Total	0.05	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

E259752 N332681

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