

**Customer**

Pascal Rooney  
Monaghan County Council  
Water Services  
Monaghan

## Certificate Of Analysis

**Job Number:** 20-70564  
**Issue Number:** 2  
**Report Date:** 3 February 2020

Reason for re-issuing report: Amended report to correct site details.

**Site:** Magheraclone GWS (Audit)  
**PO Number:** Not Supplied  
**Date Samples Received:** 15/01/2020

Please find attached the results for the samples received at our laboratory on 15/01/2020.

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:** 3 February 2020

**Notes are not INAB accredited**

Results relate only to the items tested.  
Information on methods of analysis and uncertainty of measurement 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: 20-70564

Report Version: 2

Site: Magheraclone GWS (Audit)  
Sample Description: 19 Connseady, Carrickmacross  
Sample Type: Treated  
Lab Reference Number: 487651

Date of Sampling: 15/01/2020  
Date Sample Received: 15/01/2020

Site / Method Ref.	Analysis Start Date	Parameter	Result	Units	PV Value (Drinking Water Only)
#*U	-	1,2-Dichloroethane	< 0.10	ug/l	-
D/D3000#	17/01/2020	Ammonia as NH4	< 0.013	mg/l	<= 0.300
#*	-	Benzene	< 0.10	ug/l	-
D/D3001#	17/01/2020	Boron	< 50.00	ug/l	<= 1000.00
D/D3001#	16/01/2020	Cadmium	< 0.2	ug/l	<= 5.0
	15/01/2020	Chlorine, Free Onsite	0.340	mg/l	-
	15/01/2020	Chlorine, Total Onsite	0.710	mg/l	-
D/D3000#	17/01/2020	Chloride	17.836	mg/l	<= 250.000
D/D3001#	16/01/2020	Chromium	< 0.9	ug/l	<= 50.0
D/D3001#	16/01/2020	Copper	8.8	ug/l	<= 2000.0
D/D3015#	16/01/2020	Fluoride	< 0.1	mg/l	<= 0.8
D/D3001#	16/01/2020	Lead	< 1.7	ug/l	<= 10.0
D/D3001#	16/01/2020	Manganese	< 0.7	ug/l	<= 50.0
D/D3000#	17/01/2020	Nitrite as N02	< 0.066	mg/l	<= 0.500
D/D3000#	17/01/2020	Nitrate as N03	< 8.900	mg/l	<= 50.000
D/D3001#	16/01/2020	Nickel	1.9	ug/l	<= 20.0
EW188#*	-	Antimony - Total	0.6	ug/L	-
EW188#*	-	Arsenic - Total	0.4	ug/L	<= 10.0

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

Note:

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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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EW188#*	-	Mercury - Total	< 0.02	ug/L	-
EW188#*	-	Selenium - Total	< 0.2	ug/L	-
EW154M-1#*	-	Cyanide-Free	< 1.2000	ug/L	-
EW137#*	-	Bromate	1.5000	ug/L	<= 10.0000
D/D1041#	16/01/2020	PH	7.68	pH Unit	6.50 - 9.50
D/D3001#	16/01/2020	Sodium	10.810	mg/l	<= 200.000
D/D3000#	17/01/2020	Sulphate	< 20.000	mg/l	<= 250.000
D/	15/01/2020	Temperature Onsite	7.0	°C	-
#*	-	Tetrachloroethene	< 0.10	ug/l	-
#*	-	Trichloroethene	< 0.10	ug/l	-
S/S3224#	21/01/2020	Total Organic Carbon	5.990	mg/l	NAC & ATC
S266*	-	Pesticides Total	< 0.01	ug/l	<= 0.50
D/D1214#	15/01/2020	Clostridium perfringens	< 1	cfu/100ml	<= 0
D/D1205#	15/01/2020	Enterococci	< 1	cfu/100ml	<= 0
QN009961 LCMSMS-Acid Herbicides					
EO162#*	-	2,4 D	< 0.0050	ug/L	<= 0.1000
EO162#*	-	2,3,6-Trichlorobenzoic Acid (TBA)	< 0.0050	ug/L	<= 0.1000
EO162#*	-	2,4-DB	< 0.0050	ug/L	-

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EO162#*	-	Bentazone	< 0.0050	ug/L	<= 0.1000
EO162#*	-	Boscalid	< 0.005	ug/L	-
EO162#*	-	Bromoxynil	< 0.0050	ug/L	-
EO162#*	-	Clopyralid	< 0.0050	ug/L	<= 0.1000
EO162#*	-	Dicamba	< 0.0050	ug/L	-
EO162#*	-	Dichloroprop (24DP)	< 0.0050	ug/L	<= 0.1000
EO162#*	-	Fluroxypyr	< 0.0050	ug/L	-
EO162#*	-	MCPA	< 0.0050	ug/L	<= 0.1000
EO162#*	-	Mecoprop (MCP)	< 0.0050	ug/L	<= 0.1000
EO162#*	-	Pentachlorophenol (PCP)	< 0.0050	ug/L	-
EO162#*	-	Picloram	< 0.0050	ug/L	-
EO162#*	-	Trichlopyr	< 0.0050	ug/L	<= 0.1000
QN009961 LCMSMS-Glyphosate & AMPA					
EO164#*	-	Glyphosate-LC	< 0.0050	ug/L	<= 0.1000
QN009961 GCMSMS-Pesticides & PAH					
EO181#*	-	Anthracene	< 0.0100	ug/L	-
EO181#*	-	Benzo (a) Pyrene	< 0.0030	ug/L	<= 0.0100
EO181#*	-	Benzo (b) Fluoranthene	< 0.0100	ug/L	-

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EO181#*	-	Benzo (ghi) Perylene	< 0.0100	ug/L	-
EO181#*	-	Benzo (k) Fluoranthene	< 0.0100	ug/L	-
EO181#*	-	Cypermethrin-(IH)	< 0.0030	ug/L	<= 0.1000
EO181#*	-	Dichlobenil (IH)	< 0.0030	ug/L	<= 0.1000
EO181#*	-	Dieldrin	< 0.0050	ug/L	-
EO181#*	-	Drinking Water PAH Sum	< 0.0100	ug/L	<= 0.1000
EO181#*	-	Indeno (123-cd) Pyrene	< 0.0050	ug/L	-
EO181#*	-	Pendimethalin (IH)	< 0.0030	ug/L	-
QN009961 LCMSMS-Pesticide Suite A					
EO165#*	-	Atrazine-LC	< 0.0050	ug/L	<= 0.1000
EO165#*	-	Chlorfenvinphos-LC	< 0.0050	ug/L	<= 0.1000
EO165#*	-	Chlorotoluron-LC	< 0.0050	ug/L	-
EO165#*	-	Chlorpropham-LC	< 0.0050	ug/L	-
EO165#*	-	Diazinon-LC	< 0.0050	ug/L	-
EO165#*	-	Diflufenican-Triaz-LC	< 0.0050	ug/L	<= 0.1000
EO165#*	-	Diuron-LC	< 0.0050	ug/L	<= 0.1000
EO165#*	-	Epoxiconazole-LC	< 0.0050	ug/L	-
EO165#*	-	Isoproturon-LC	< 0.0050	ug/L	<= 0.1000

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EO165#*	-	Linuron-LC	< 0.0050	ug/L	<= 0.1000
EO165#*	-	Metaldehyde-LC	< 0.0050	ug/L	<= 0.1000
EO165#*	-	Metazachlor-LC	< 0.0050	ug/L	-
EO165#*	-	Propazine-LC	< 0.0050	ug/L	-
EO165#*	-	Propyzamide-Triaz-LC	< 0.0050	ug/L	<= 0.1000
EO165#*	-	Simazine-LC	< 0.0050	ug/L	<= 0.1000
<b>THM</b>					
#*	-	Bromodichloromethane	16.00	ug/l	-
#*	-	Trichloromethane	62.00	ug/l	-
#*	-	Bromoform	< 1.00	ug/l	-
#*	-	Dibromochloromethane	2.00	ug/l	-
#*	-	Total THM	80.00	ug/l	<= 100.00

### Comments

Coordinates E281386-N300241

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