

**Customer**

Pascal Rooney  
Monaghan County Council  
Water Services  
Monaghan

## Certificate Of Analysis

**Job Number:** 20-84569  
**Issue Number:** 1  
**Report Date:** 18 November 2020

**Site:** Tydavnet GWS  
**PO Number:** Not Supplied  
**Date Samples Received:** 23/09/2020

Please find attached the results for the samples received at our laboratory on 23/09/2020.

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:** 18 November 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: 20-84569

Report Version: 1

Site: Tydavnet GWS

Sample Description: Tydavnet GWS @ GWSTap

Date of Sampling: 23/09/2020

Sample Type: Treated

Date Sample Received: 23/09/2020

Lab Reference Number: 535053

Site / Method Ref.	Analysis Start Date	Parameter	Result	Units	PV Value (Drinking Water Only)
*U	-	1,2-Dichloroethane	< 0.08	ug/l	-
*U	-	Benzene	< 0.05	ug/l	<= 1.00
WPC54*U	-	Bromate as BrO3	0.73	ug/L	-
*U	-	Tetrachloroethene	< 0.39	ug/l	<= 10.00
*U	-	Trichloroethene	< 0.40	ug/l	<= 10.00
2140*U	-	Free Cyanide	< 0.05	mg/l	-
2140*U	-	Arsenic - Total	< 1	µg/l	-
2140*U	-	Mercury - Total	< 0.5	µg/l	-
2140*	-	Antimony - Total	< 1	µg/l	-
2140*U	-	Selenium - Total	1	µg/l	-
Monaghan Audit 2020					
EO181#*U	-	Aldrin	< 0.003	ug/l	-
EO181#*U	-	Heptachlor Epoxide	< 0.003	ug/l	-
EO181#*U	-	Heptachlor	< 0.003	ug/l	-
D/D3000#	25/09/2020	Ammonia as NH4	< 0.013	mg/l	<= 0.300
D/D3001#	29/09/2020	Boron	120.70	ug/l	<= 1000.00
D/D3001#	24/09/2020	Cadmium	< 0.2	ug/l	<= 5.0
	24/09/2020	Chlorine, Free Onsite	0.800	mg/l	-

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

Note:

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	24/09/2020	Chlorine, Total Onsite	1.100	mg/l	-
D/D3000#	25/09/2020	Chloride	29.234	mg/l	<= 250.000
D/D3001#	24/09/2020	Chromium	< 0.9	ug/l	<= 50.0
D/D3001#	24/09/2020	Copper	5.2	ug/l	<= 2000.0
D/D3015#	29/09/2020	Fluoride	0.8	mg/l	<= 0.8
D/D3001#	24/09/2020	Lead	< 1.7	ug/l	<= 10.0
D/D3001#	24/09/2020	Manganese	< 0.7	ug/l	<= 50.0
D/D3000#	25/09/2020	Nitrite as N02	< 0.066	mg/l	<= 0.500
D/D3000#	25/09/2020	Nitrate as N03	< 8.900	mg/l	<= 50.000
D/D3001#	24/09/2020	Nickel	< 0.5	ug/l	<= 20.0
EO165#*	-	Chlorotoluron-LC	< 0.0050	ug/L	-
EO181#*	-	Chrysene	< 0.0030	ug/L	-
EO165#*	-	Atrazine-LC	< 0.0050	ug/L	<= 0.1000
EO162#*	-	2,3,6-Trichlorobenzoic Acid (TBA)	< 0.0050	ug/L	<= 0.1000
EO162#*	-	Mecoprop (MCP)	< 0.0050	ug/L	<= 0.1000
EO165#*	-	Propazine-LC	< 0.0050	ug/L	-
EO165#*	-	Diflufenican-Triaz-LC	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Benzo (a) Anthracene	< 0.0050	ug/L	-

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EO181*	-	Drinking Water PAH Sum	< 0.0100	ug/L	<= 0.1000
EO181#*	-	Benzo (a) Pyrene	< 0.0030	ug/L	<= 0.0100
EO181#*	-	Indeno (123-cd) Pyrene	< 0.0050	ug/L	-
EO162#*	-	MCPA	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Benzo (k) Fluoranthene	< 0.0100	ug/L	-
EO162#*	-	Dichloroprop (24DP)	< 0.0050	ug/L	<= 0.1000
EO162#*	-	Clopyralid	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Pendimethalin (IH)	< 0.0030	ug/L	-
EO165#*	-	Linuron-LC	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Acenaphthylene	< 0.0030	ug/L	-
EO181#*	-	Benzo (ghi) Perylene	< 0.0100	ug/L	-
EO162#*	-	Picloram	< 0.0050	ug/L	-
EO162#*	-	Boscalid	< 0.005	ug/L	-
EO181#*	-	Fluorene	< 0.0100	ug/L	-
EO164#*	-	Glyphosate-LC	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Cypermethrin-(IH)	< 0.0030	ug/L	<= 0.1000
EO165#*	-	Metalddehyde-LC	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Naphthalene	< 0.0100	ug/L	-

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EO162#*	-	2,4-DB	< 0.0050	ug/L	-
EO181#*	-	Dichlobenil (IH)	< 0.0030	ug/L	<= 0.1000
EO181#*	-	Dieldrin	< 0.0050	ug/L	-
EO181#*	-	Fluoranthene	< 0.0100	ug/L	-
EO165#*	-	Epoxiconazole-LC	< 0.0050	ug/L	-
EO181#*	-	Anthracene	< 0.0100	ug/L	-
EO162#*	-	Pentachlorophenol (PCP)	< 0.0050	ug/L	-
EO181#*	-	Acenaphthene	< 0.0030	ug/L	-
EO162#*	-	Bromoxynil	< 0.0050	ug/L	-
EO165#*	-	Chlorpropham-LC	< 0.0050	ug/L	-
EO181#*	-	Phenanthrene	< 0.0100	ug/L	-
EO181#*	-	Dibenzo (ah) Anthracene	< 0.0050	ug/L	-
EO165#*	-	Metazachlor-LC	< 0.0050	ug/L	-
EO162#*	-	Fluroxypyr	< 0.0050	ug/L	-
EO165#*	-	Propiconazole-LC	< 0.0050	ug/L	-
EO162#*	-	2,4 D	< 0.0050	ug/L	<= 0.1000
EO162#*	-	Dicamba	< 0.0050	ug/L	-
EO165#*	-	Isoproturon-LC	< 0.0050	ug/L	<= 0.1000

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EO162#*	-	Trichlopyr	< 0.0050	ug/L	<= 0.1000
EO165#*	-	Chlorfenvinphos-LC	< 0.0050	ug/L	<= 0.1000
EO165#*	-	Propyzamide-Triaz-LC	< 0.0050	ug/L	<= 0.1000
EO181#*	-	Benzo (b) Fluoranthene	< 0.0100	ug/L	-
EO181#*	-	Pyrene	< 0.0100	ug/L	-
EO165#*	-	Diuron-LC	< 0.0050	ug/L	<= 0.1000
EO165#*	-	Simazine-LC	< 0.0050	ug/L	<= 0.1000
EO162#*	-	Bentazone	< 0.0050	ug/L	<= 0.1000
D/D1041#	24/09/2020	PH	7.85	pH Unit	6.50 - 9.50
D/D3001#	24/09/2020	Sodium	70.247	mg/l	<= 200.000
D/D3000#	25/09/2020	Sulphate	45.047	mg/l	<= 250.000
D/	24/09/2020	Temperature Onsite	14.6	°C	-
S/S3224#	28/09/2020	Total Organic Carbon	2.870	mg/l	NAC & ATC
S266*	-	Pesticides Total	< 0.01	ug/l	<= 0.50
D/D1214#	23/09/2020	Clostridium perfringens	< 1	cfu/100ml	<= 0
D/D1205#	23/09/2020	Enterococci	< 1	cfu/100ml	<= 0

### Comments

Co Ordinates: 254245-340421

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