

## Certificate Of Analysis

### Customer

Pascal Rooney  
Monaghan County Council  
Water Services  
Monaghan

Report Reference: 20-87995

Report Version: 1

Site: Not Applicable

Sample Description: Turagh GWS @ Davagh Etra

Date of Sampling: 11/11/2020

Sample Type: Treated

Date Sample Received: 11/11/2020

Lab Reference Number: 546273

Site / Method Ref.	Analysis Start Date	Parameter	Result	Units	PV Value (Drinking Water Only)
Monaghan Audit 2020					
*U	-	1,2-Dichloroethane	< 0.08	ug/l	-
D/D3000#	17/11/2020	Ammonia as NH4	0.047	mg/l	<= 0.300
*U	-	Benzene	< 0.05	ug/l	<= 1.00
D/D3001#	16/11/2020	Boron	< 50.00	ug/l	<= 1000.00
D/D3001#	12/11/2020	Cadmium	< 0.2	ug/l	<= 5.0
	17/11/2020	Chlorine, Free Onsite	1.000	mg/l	-
	17/11/2020	Chlorine, Total Onsite	1.400	mg/l	-
D/D3000#	17/11/2020	Chloride	25.225	mg/l	<= 250.000
*U	-	Pentachlorophenol	< 0.02	ug/l	-
D/D3001#	12/11/2020	Chromium	< 0.9	ug/l	<= 50.0
D/D3001#	12/11/2020	Copper	29.3	ug/l	<= 2000.0
WPC54*U	-	Bromate as BrO3	< 0.15	ug/L	-
D/D3015#	16/11/2020	Fluoride	< 0.1	mg/l	<= 0.8
D/D3001#	12/11/2020	Lead	< 1.7	ug/l	<= 10.0
D/D3001#	12/11/2020	Manganese	2.5	ug/l	<= 50.0
D/D3000#	17/11/2020	Nitrite as NO2	< 0.066	mg/l	<= 0.500
D/D3000#	17/11/2020	Nitrate as NO3	< 8.900	mg/l	<= 50.000

# = 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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D/D3001#	12/11/2020	Nickel	< 0.5	ug/l	<= 20.0
D/D1041#	12/11/2020	PH	7.40	pH Unit	6.50 - 9.50
D/D3001#	12/11/2020	Sodium	10.926	mg/l	<= 200.000
D/D3000#	17/11/2020	Sulphate	< 20.000	mg/l	<= 250.000
D/	17/11/2020	Temperature Onsite	9.9	°C	-
*U	-	Tetrachloroethene	< 0.39	ug/l	<= 10.00
*U	-	Trichloroethene	< 0.40	ug/l	<= 10.00
S/S1016#	16/11/2020	Chloroform	53.32	ug/l	-
S/S1016#	16/11/2020	Bromodichloromethane	10.26	ug/l	-
S/S1016#	16/11/2020	Chlorodibromomethane	< 0.90	ug/l	-
S/S1016#	16/11/2020	Bromoform	< 0.90	ug/l	-
S/S1016#	16/11/2020	Total THM	64.26	ug/l	<= 100.00
S/S3224#	18/11/2020	Total Organic Carbon	3.210	mg/l	NAC & ATC
*U	-	2,4-D	< 0.012	ug/l	-
*U	-	2,4-DB	< 0.018	ug/l	-
*U	-	2,4-DP Dichlorprop	< 0.017	ug/l	-
*U	-	Bentazone	< 0.004	ug/l	-
*U	-	Clopyralid	< 0.015	ug/l	-

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*U	-	Dicamba	< 0.012	ug/l	-
*U	-	Fluroxypyr	< 0.009	ug/l	-
*U	-	MCPA	< 0.012	ug/l	-
*U	-	MCPP (Mecoprop)	< 0.009	ug/l	-
D/D1214#	11/11/2020	Clostridium perfringens	< 1	cfu/100ml	<= 0
*U	-	Triclopyr	< 0.028	ug/l	-
*U	-	Picloram	< 0.019	ug/l	-
D/D1205#	11/11/2020	Enterococci	< 1	cfu/100ml	<= 0
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	-
1760*	-	Trichloroethene	< 1.0	µg/l	-
1760*U	-	Tetrachloroethene	< 1.0	µg/l	-
*U	-	2,3,6-Trichlorobenzoic Acid	< 0.01	ug/l	-
*U	-	Atrazine	< 0.004	ug/l	-
*U	-	Boscalid	< 0.011	ug/l	-

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*U	-	Chlorfenvinphos	< 0.012	ug/l	-
*U	-	Chlorpropham	< 0.012	ug/l	-
*U	-	Chlortoluron	< 0.007	ug/l	-
*U	-	Diuron	< 0.009	ug/l	-
*U	-	Epoxiconazole	< 0.005	ug/l	-
*U	-	Isoproturon	< 0.005	ug/l	-
*U	-	Linuron	< 0.012	ug/l	-
*U	-	Metazachlor	< 0.006	ug/l	-
*U	-	Pendimethalin	< 0.02	ug/l	-
*U	-	Propyzamide	< 0.009	ug/l	-
*U	-	Simazine	< 0.004	ug/l	-
WPC50*U	-	Cypermethrin	< 0.005	ug/l	-
WPC50*U	-	Dichlobenil	< 0.005	ug/l	-
WPC50*U	-	Diazinon	< 0.006	ug/l	-
WPC50*U	-	Dieldrin	< 0.005	ug/l	-
WPC50*U	-	Diflufenican	< 0.007	ug/l	-
*U	-	Benzo (a) pyrene	< 0.0006	ug/l	-
*U	-	Benzo (b) fluoranthene	< 0.0004	ug/l	-

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*U	-	Benzo(g,h,i)perylene	< 0.0005	ug/l	-
*U	-	Benzo (k) fluoranthene	< 0.0006	ug/l	-
*U	-	Fluoranthene	< 0.0009	ug/l	-
*U	-	Indeno (123-cd) Pyrene	< 0.0008	ug/l	-
*U	-	PAH Total	0.0000	ug/l	-
*U	-	Total PAH 4 Constituents	0.0000	ug/l	-
*U	-	Glyphosate	< 0.005	ug/l	-

### Comments

Co Ordinates: 265483 344169

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