

## Certificate of Analysis

<b>Customer:</b>	Monaghan County Council	<b>Site/Project:</b>	Audit
<b>Local Authority:</b>	The Glen, Glen Rd, Tirkeenan, Monaghan	<b>Date Received:</b>	31/05/2024
<b>Customer Contact:</b>	Suzanne Clinton	<b>Condition of Sample(s):</b>	Satisfactory
<b>Customer PO</b>		<b>Date Analysed:</b>	31/05/2024 - 26/06/2024
<b>Quote No.</b>	Q24-00640	<b>Issue Date:</b>	27/06/2024
		<b>BATCH NUMBER:</b>	<b>24-42652</b>

Sadhbh O'Brien

Sadhbh O'Brien  
Chemistry Team Lead

### Index to symbols used:

*	Analysis is not INAB accredited
**	Adapted from Standard Methods for the Examination of Water and Wastewater.
***	S.I. No. 122 of 2014 and S.I. No. 99 of 2023 - European Union (Drinking Water) Regulations 2014, 2017 and 2023
(F)	Analysis carried out at our Farranfore Laboratory.
(D)	Analysis carried out at our Dunrinc Laboratory.
LOD	Parameter Limit of Quantification

### Notes

Note A	The water should not be aggressive.
Note C	Acceptable to customers and no abnormal change.
Note D	In the case of surface water treatment, a parametric value not exceeding 1 NTU in the water ex treatment works must be strived for.
Note E	Irish water parametric limit for TVC is <100 cfu/mL.
Note F	Fluoridated supplies 0.8 mg/L; Natural supplies 1.5 mg/L.
Note 6	Subcontracted Parameter.

- ◆ The results relate only to the items tested.
- ◆ Opinions and interpretations expressed herein are outside the scope of INAB accreditation.
- ◆ The analysis report shall not be reproduced except in full without written approval of the laboratory.
- ◆ Sampling is outside the scope of the laboratory activities.

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directors: K. Murphy, M. Murphy & C. Murphy  
registered in ireland no 323196 | vat reg no IE 6343196 M



<b>Customer Sample Ref:</b>	Bizzy Bees, Carrickashedoge, A81 DV25.	<b>Customer Sample Code:</b>	
<b>Entity Name:</b>	Magheraclone GWS	<b>Sample Condition:</b>	Satisfactory
<b>Site / Project:</b>	Audit	<b>Entity Code:</b>	
<b>Our Reference:</b>	131098 (24-42652) -	<b>Sampled By:</b>	Katie Brady, SSS, LTD.
<b>Date Sampled:</b>	31/05/2024	<b>Sample Matrix:</b>	Drinking Water
		<b>Time Sampled:</b>	10:30

Method:	Parameter:	Units	LOQ	Result	***Limits
<u>Onsite Measurements:</u>					
SEP 007	* Temperature	°C		14.80	
SEP 007	* Total Chlorine	mg/L	0.02	0.96	
SEP 007	* Free Chlorine	mg/L	0.02	0.74	
<u>Microbiological Analysis: (D)</u>					
SMP 068	Enterococci	MPN/100mL	<1	< 1	0 MPN/100mL
SMP 069	Clostridium perfringens	cfu/100mL	<1	< 1	<= < 1 cfu/100mL
<u>Chemical Analysis: (F)</u>					
SCP 160	Total Cyanide	µg/L	5	< 5	50 µg/L
SCP 131A	Boscalid	µg/L	0.005	< 0.005	0.100 µg/L
SCP 052	Hydrogen Ion (pH)	pH units	4.0	7.9	6.5 - 9.5pH (Note A)
SCP 068A	Bromate	µg/L	2	< 2	10 µg/L
<b>SCP 068A</b>	<b>Fluoride</b>	<b>mg/L</b>	<b>0.1</b>	<b>&lt; 0.1</b>	<b>0.6 - 0.8 mg/L</b>
SCP 053A/053D	Sodium	mg/L	1	9	200 mg/L
SCP 027A	Ammonium	mg/L NH4	0.03	< 0.03	0.50 mg/L NH4
SCP 027B	Chloride	mg/L	0.5	13.2	250.0 mg/L
SCP 027G	Nitrate	mg/L NO3	1.11	< 1.11	50.00 mg/L NO3
SCP 027F	Nitrite	mg/L NO2	0.016	< 0.016	0.500 mg/L NO2
SCP 027D	Sulphate	mg/L	0.5	7.1	250.0 mg/L
SCP 065B	Total Organic Carbon (TOC)	mg/L	0.5	4.6	
SCP 038/073	Boron	mg/L	0.02	< 0.02	1.50 mg/L
SCP 038/073	Cadmium	µg/L	0.45	< 0.45	5.00 µg/L
SCP 038/073	Chromium	µg/L	1	< 1	50 µg/L
SCP 038/073	Copper	mg/L	0.001	0.004	2.000 mg/L
SCP 038/073	Lead	µg/L	1	< 1	10 µg/L
SCP 038/073	Manganese	µg/L	1	< 1	50 µg/L
SCP 038/073	Mercury	µg/L	0.5	< 0.5	1.0 µg/L
SCP 038/073	Nickel	µg/L	1	< 1	20 µg/L
SCP 038/073	Selenium	µg/L	5.00	< 5.00	20.00 µg/L
SCP 060B	Indeno(1,2,3-cd)pyrene	µg/L	0.005	< 0.005	
SCP 131B	Glyphosate	µg/L	0.005	< 0.005	0.100 µg/L
SCP 114A	Benzene	µg/L	0.1	< 0.1	1.0 µg/L
SCP 060B	Dieldrin	µg/L	0.005	< 0.005	0.030 µg/L
SCP 114A	1,2-Dichloroethane	µg/L	0.2	< 0.2	3.0 µg/L
SCP 060B	Dichlobenil	µg/L	0.005	< 0.005	0.100 µg/L
SCP 114A	Tetrachloroethene	µg/L	0.1	< 0.1	
SCP 114A	Trichloroethene	µg/L	0.1	< 0.1	
SCP 114A	Sum Tri & Tetrachloroethene	µg/L	0.2	< 0.2	10.0 µg/L
SCP 114A	Bromoform	µg/L	1	< 1	
SCP 114A	Bromodichloromethane	µg/L	1	14	

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<b>Entity Name:</b>	Magheraclone GWS	<b>Sample Condition:</b>	Satisfactory
<b>Site / Project:</b>	Audit	<b>Entity Code:</b>	
<b>Our Reference:</b>	131098 (24-42652) -	<b>Sampled By:</b>	Katie Brady, SSS, LTD.
<b>Date Sampled:</b>	31/05/2024	<b>Sample Matrix:</b>	Drinking Water
		<b>Time Sampled:</b>	10:30

Method:	Parameter:	Units	LOQ	Result	***Limits
SCP 114A	Chloroform	µg/L	2	85	
SCP 114A	Dibromochloromethane	µg/L	1	2	
<b>SCP 114A</b>	<b>Total THM</b>	<b>µg/L</b>	<b>5</b>	<b>101</b>	<b>100 µg/L</b>
SCP 060B	Benzo(a)pyrene	µg/L	0.003	< 0.003	<b>0.010 µg/L</b>
SCP 060B	Benzo(b)fluoranthene	µg/L	0.005	< 0.005	
SCP 060B	Benzo(ghi)perylene	µg/L	0.005	< 0.005	
SCP 060B	Benzo(k)fluoranthene	µg/L	0.005	< 0.005	
SCP 038/073	Arsenic	µg/L	1	< 1	<b>10 µg/L</b>
SCP 060B	Total PAH	µg/L	0.020	< 0.020	<b>0.100 µg/L</b>
SCP 060B	Cypermethrin	µg/L	0.012	< 0.012	<b>0.100 µg/L</b>
SCP 060B	Pendimethalin	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131A	2,4-D	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131A	2,3,6-Trichlorobenzoic Acid	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131A	2,4-DB	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131A	Bentazone	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131A	Clopyralid	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131A	Dicamba	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131A	Dichlorprop (24DP)	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131A	Fluoroxypyr	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131A	MCPA	µg/L	0.005	< 0.005	<b>0.105 µg/L</b>
SCP 131A	MCPP (Mecoprop)	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131A	Pentachlorophenol	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131A	Picloram	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131A	Triclopyr	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131C	Atrazine	µg/L	0.005	< 0.005	<b>0.105 µg/L</b>
SCP 131C	Simazine	µg/L	0.005	< 0.005	<b>0.105 µg/L</b>
SCP 131C	Diflufenican	µg/L	0.005	< 0.005	<b>0.105 µg/L</b>
SCP 131C	Metazachlor	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131C	Propyzamide	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131C	Chlorotoluron	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131C	Diuron	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131C	Isoproturon	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131C	Linuron	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131C	Chlorfenvinphos	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131C	Diazinon	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131C	Epoxiconazole	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131C	Metaldehyde	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131C	Chlorpropham	µg/L	0.005	< 0.005	<b>0.100 µg/L</b>
SCP 131F	* Total Pesticides	µg/L	0.012	< 0.012	<b>0.500 µg/L</b>
SCP 027I	Total Hardness	mg/L CaCO3	5	67	
SCP 038/073	Antimony	µg/L	1	< 1	<b>10 µg/L</b>

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Method:	Parameter:	Units	LOQ	Result	***Limits
SCP 131G	Epichlorohydrin	µg/L	0.02	< 0.02	
SCP 131D	Acrylamide	µg/L	0.005	< 0.005	
SCP 114A	Vinyl Chloride	µg/L	0.1	< 0.1	0.5 µg/L

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