

Certificate of Analysis

Customer:	Monaghan County Council	Site/Project:	Audit
Local Authority:	The Glen, Glen Rd, Tirkeenan, Monaghan	Date Received:	23/09/2024
Customer Contact:	Suzanne Clinton	Condition of Sample(s):	Satisfactory
Customer PO		Date Analysed:	23/09/2024 - 04/11/2024
Quote No.		Issue Date:	05/11/2024
		BATCH NUMBER:	24-47850



Jake Grunfield
Laboratory Analyst

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.

(registered office)

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



Customer Sample Ref:	Ballytrasna	Customer Sample Code:	
Entity Name:	Killanny GWS	Sample Condition:	Satisfactory
Site / Project:	Audit	Entity Code:	
Our Reference:	145254 (24-47850) -	Sampled By:	Declan Callan SSS Ltd
Date Sampled:	23/09/2024	Sample Matrix:	Drinking Water
		Time Sampled:	10:30

Method:	Parameter:	Units	LOQ	Result	***Limits
<u>Onsite Measurements:</u>					
SEP 007	* Temperature	°C		13.10	
SEP 007	* Total Chlorine	mg/L	0.02	0.77	
SEP 007	* Free Chlorine	mg/L	0.02	0.63	
<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 131A	Boscalid	µg/L	0.005	< 0.005	0.100 µg/L
SCP 052	Hydrogen Ion (pH)	pH units	4.0	7.1	6.5 - 9.5pH (Note A)
SCP 068A	Bromate	µg/L	2	< 2	10 µg/L
SCP 160	Total Cyanide	µg/L	5	< 5	50 µg/L
SCP 068A	Fluoride	mg/L	0.1	< 0.1	0.6 - 0.8 mg/L
SCP 053A/053D	Sodium	mg/L	1	12	200 mg/L
SCP 027A	Ammonium	mg/L NH4	0.03	0.07	0.50 mg/L NH4
SCP 027B	Chloride	mg/L	0.5	27.4	250.0 mg/L
SCP 027G	Nitrate	mg/L NO3	1.11	1.20	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	16.1	250.0 mg/L
SCP 065B	Total Organic Carbon (TOC)	mg/L	0.5	1.4	
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	0.011	2.000 mg/L
SCP 038/073	Lead	µg/L	1	< 1	10 µg/L
SCP 038/073	Manganese	µg/L	1	2	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	4	
SCP 114A	Bromodichloromethane	µg/L	1	2	

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Entity Name:	Killanny GWS	Sample Condition:	Satisfactory
Site / Project:	Audit	Entity Code:	
Our Reference:	145254 (24-47850) -	Sampled By:	Declan Callan SSS Ltd
Date Sampled:	23/09/2024	Sample Matrix:	Drinking Water
		Time Sampled:	10:30

Method:	Parameter:	Units	LOQ	Result	***Limits
SCP 114A	Chloroform	µg/L	2	< 2	
SCP 114A	Dibromochloromethane	µg/L	1	5	
SCP 114A	Total THM	µg/L	5	11	100 µg/L
SCP 060B	Benzo(a)pyrene	µg/L	0.005	< 0.005	0.010 µg/L
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	10 µg/L
SCP 060B	Total PAH	µg/L	0.012	< 0.012	0.100 µg/L
SCP 060B	Cypermethrin	µg/L	0.012	< 0.012	0.100 µg/L
SCP 060B	Pendimethalin	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131A	2,4-D	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131A	2,3,6-Trichlorobenzoic Acid	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131A	2,4-DB	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131A	Bentazone	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131A	Clopyralid	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131A	Dicamba	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131A	Dichlorprop (24DP)	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131A	Fluoroxypyr	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131A	MCPA	µg/L	0.005	< 0.005	0.105 µg/L
SCP 131A	MCPP (Mecoprop)	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131A	Pentachlorophenol	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131A	Picloram	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131A	Triclopyr	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131C	Atrazine	µg/L	0.005	< 0.005	0.105 µg/L
SCP 131C	Simazine	µg/L	0.005	< 0.005	0.105 µg/L
SCP 131C	Diflufenican	µg/L	0.005	< 0.005	0.105 µg/L
SCP 131C	Metazachlor	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131C	Propryzamide	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131C	Chlorotoluron	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131C	Diuron	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131C	Isoproturon	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131C	Linuron	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131C	Chlorfenvinphos	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131C	Diazinon	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131C	Epoxiconazole	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131C	Metaldehyde	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131C	Chlorpropham	µg/L	0.005	< 0.005	0.100 µg/L
SCP 131F	Total Pesticides	µg/L	0.012	< 0.012	0.500 µg/L
SCP 0271	Total Hardness	mg/L CaCO3	5	92	
SCP 038/073	Antimony	µg/L	1	< 1	10 µg/L

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Site / Project:	Audit	Entity Code:	
Our Reference:	145254 (24-47850) -	Sampled By:	Declan Callan SSS Ltd
Date Sampled:	23/09/2024	Sample Matrix:	Drinking Water
		Time Sampled:	10:30

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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