

**Client:** Matrix Environmental  
 Unit 12 Old Connell Weir Newbridge Co Kildare  
 Kildare  
 IRELAND

**Certificate Code:** AR-21-M3-004840-01

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**PO reference:**

## Certificate of Analysis

<b>Sample number</b>	966-2021-00009593	<b>Received on</b>	18/11/2021
<b>Your sample reference</b>	GW2	<b>Analysis started on</b>	20/11/2021
<b>Sample Matrix</b>	Ground water		
<b>Sample Date</b>	18/11/2021	<b>Sample Condition on Arrival</b>	Satisfactory

Test Code Analyte	SUB <sup>5</sup>	Method	LOQ <sup>3</sup>	SPEC <sup>2</sup>	Result	Units	ACCRED <sup>4</sup>
<b>Total Nitrogen [M3007]</b>							
Total Nitrogen		EW140	1		<1	mg/l	CN
<b>Chloride mg/L - Gallery [M300S]</b>							
Chloride mg/L - Gallery		EW175	5		115.63	mg/l	CN
<b>Ammonium as NH4 (calc) - Gallery [M300T]</b>							
Ammonium as NH4 (calc) - Gallery		EW175	0.06		0.232	mg/l	CN
<b>Ammonia as N - Gallery [M300Z]</b>							
Ammonia as N - Gallery		EW175	0.05		0.18	mg/l	CN
<b>Nitrate (as N) - Gallery [M301A]</b>							
Nitrate (as N) - Gallery		EW175	1		<1	mg/l	CN
<b>Ammonia as NH3 (Gallery) [M3279]</b>							
Ammonia as NH3 (Calc)		EW175			0.21888	mg/l	CN
<b>pH [M3282]</b>							
pH		EW158			6.4		CN
<b>Conductivity [M3283]</b>							
Conductivity		EW153	100		906.7	µS/cm	CN
<b>Volatile organic compounds(VOC) low level in water [M502Z]</b>							
1,1,1,2 Tetrachloroethane	*		0.2		<2.0	µg/l	YA
1,1,1-Trichloroethane	*		0.1		<1.0	µg/l	YA
1,1,2-Trichloroethane	*		0.1		<10	µg/l	YA
1,1-Dichloroethane	*		0.1		<1.0	µg/l	YA
1,1-Dichloroethene	*		0.1		<1.0	µg/l	YA
1,1-Dichloropropene	*		0.1		<1.0	µg/l	YA
1,2,3-Trichlorobenzene	*		0.2		<2.0	µg/l	YA
1,2,3-Trichloropropane	*		5		<50	µg/l	YA
1,2,4-Trichlorobenzene	*		0.1		<1.0	µg/l	YA



**Signed:** \_\_\_\_\_ 12/03/2021

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### NOTES

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2. SPEC = Allowable limit or parametric value.
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4. ACCRED = Indicates accreditation for the test, a blank field indicates not accredited
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1,2,4-Trimethylbenzene	*	0.1	<1.0	µg/l	YA
1,2-Dibromo-3-chloropropane	*	5	<50	µg/l	YA
1,2-Dibromoethane	*	0.5	<5	µg/l	YA
1,2-Dichlorobenzene	*	0.1	<1.0	µg/l	YA
1,2-Dichloroethane	*	0.2	<2.0	µg/l	YA
1,2-Dichloropropane	*	0.1	<1.0	µg/l	YA
1,3,5-trimethylbenzene	*	0.1	<1.0	µg/l	YA
1,3-Dichlorobenzene	*	0.1	<1.0	µg/l	YA
1,3-Dichloropropane	*	0.2	<2.0	µg/l	YA
1,4-dichlorobenzene	*	0.1	<1.0	µg/l	YA
2-Chlorotoluene	*	0.1	<1.0	µg/l	YA
4-Chlorotoluene	*	0.1	<1.0	µg/l	YA
Benzene	*	0.1	<1.0	µg/l	YA
Bromobenzene	*	0.1	<1.0	µg/l	YA
Bromochloromethane	*	0.5	<5	µg/l	YA
Bromodichloromethane	*	0.5	<5	µg/l	YA
Bromomethane	*	2	<5	µg/l	YA
Chlorobenzene	*	0.1	<1.0	µg/l	YA
Chloroethane	*	0.2	<2.0	µg/l	YA
Chloroform (Trichloromethane)	*	0.1	<10	µg/l	YA
Chloromethane	*	0.1	<1.0	µg/l	YA
cis-1,2-Dichloroethene	*	0.1	<1.0	µg/l	YA
cis-1,3-Dichloropropene	*	1	<10	µg/l	YA
Dibromochloromethane	*	1	<10	µg/l	YA
Dibromomethane	*	0.1	<10	µg/l	YA
Dichlorodifluoromethane	*	0.1	<1.0	µg/l	YA
Ethylbenzene	*	0.1	<1.0	µg/l	YA
Hexachlorobutadiene	*	0.1	<1.0	µg/l	YA
iso-Propylbenzene	*	0.1	<1.0	µg/l	YA
m-/p-Xylene	*	0.1	<1.0	µg/l	YA
Methyl-tert-butylether (MTBE)	*	0.1	<1.0	µg/l	YA
n-Butylbenzene	*	0.1	<1.0	µg/l	YA
n-Propylbenzene	*	0.1	<1.0	µg/l	YA
o-Xylene	*	0.1	<1.0	µg/l	YA


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p-Isopropyltoluene	*	0.1	<1.0	µg/l	YA
sec-Butylbenzene	*	0.1	<1.0	µg/l	YA
Styrene	*	0.1	<1.0	µg/l	YA
tert-Butylbenzene	*	0.1	<1.0	µg/l	YA
Tetrachloroethene	*	0.1	<1.0	µg/l	YA
Tetrachloromethane	*	0.1	<1.0	µg/l	YA
Toluene	*	0.1	<1.0	µg/l	YA
trans-1,2-Dichloroethene	*	0.1	<1.0	µg/l	YA
trans-1,3-Dichloropropene	*	1	<10	µg/l	YA
Tribromomethane	*	1	<1.0	µg/l	YA
Trichloroethene	*	0.1	<1.0	µg/l	YA
Trichlorofluoromethane	*	0.1	<1.0	µg/l	YA
Vinyl chloride	*	0.1	<1.0	µg/l	YA

#### <sup>4</sup> Accreditation Information

CN: ISO/IEC 17025:2017 INAB 111-T



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