

Customer

David Parkinson
Eco Quest Environmental
Galway
Ireland

Certificate Of Analysis

Job Number: 21-02809
Issue Number: 1
Report Date: 22 July 2021

Site: Not Applicable
PO Number: Not Supplied
Date Samples Received: 13/07/2021

Please find attached the results for the samples received at our laboratory on 13/07/2021.

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:



Louise Morrow

Authorised Date: 22 July 2021

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.
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Certificate Of Analysis

Customer

David Parkinson
Eco Quest Environmental
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Ireland

Report Reference: 21-02809

Report Version: 1

Site: Not Applicable

Sample Description: SW1

Date of Sampling: 13/07/2021

Sample Type: Surface

Date Sample Received: 13/07/2021

Lab Reference Number: 589789

Site / Method Ref.	Analysis Start Date	Parameter	Result	Units	PV Value (Drinking Water Only)
D/D3000#	21/07/2021	Ammonia as N	< 0.010	mg/l	-
S/S1003#	15/07/2021	BOD5	< 2	mg/l O2	-
D/D3000#	21/07/2021	Chloride	12.1	mg/l	-
S/S3228#	15/07/2021	Total Nitrogen	< 2.50	mg/l	-
D/D3000#	21/07/2021	Nitrite as N02	< 0.066	mg/l	-
D/D3000#	21/07/2021	Nitrate as N03	< 8.90	mg/l	-
D/D3000#	21/07/2021	Orthophosphate as P04	0.090	mg/l	-
S/D3000#	14/07/2021	Phosphorus, Total as P	< 0.200	mg/l	-
S/S1049#	15/07/2021	Total Suspended Solids	4	mg/l	-

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

Note:

PV Value is the parametric value, taken from European Communities, (Drinking Water) Regulations, 2014. S.I. No. 122 of 2014 and relates only to drinking water samples.

For queries on results, please contact us within two weeks of the report date to ensure that we can accommodate your query as samples cannot be stored indefinitely.

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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Report Reference: 21-02809

Report Version: 1

Site: Not Applicable

Sample Description: SW2

Date of Sampling: 13/07/2021

Sample Type: Surface

Date Sample Received: 13/07/2021

Lab Reference Number: 589790

Site / Method Ref.	Analysis Start Date	Parameter	Result	Units	PV Value (Drinking Water Only)
D/D3000#	21/07/2021	Ammonia as N	< 0.010	mg/l	-
S/S1003#	15/07/2021	BOD5	< 2	mg/l O2	-
D/D3000#	21/07/2021	Chloride	12.9	mg/l	-
S/S3228#	15/07/2021	Total Nitrogen	3.67	mg/l	-
D/D3000#	21/07/2021	Nitrite as N02	0.075	mg/l	-
D/D3000#	21/07/2021	Nitrate as N03	< 8.90	mg/l	-
D/D3000#	21/07/2021	Orthophosphate as P04	0.161	mg/l	-
S/D3000#	14/07/2021	Phosphorus, Total as P	< 0.200	mg/l	-
S/S1049#	15/07/2021	Total Suspended Solids	16	mg/l	-

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Certificate Of Analysis

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Report Reference: 21-02809

Report Version: 1

Site: Not Applicable

Sample Description: SW3

Date of Sampling: 13/07/2021

Sample Type: Surface

Date Sample Received: 13/07/2021

Lab Reference Number: 589791

Site / Method Ref.	Analysis Start Date	Parameter	Result	Units	PV Value (Drinking Water Only)
D/D3000#	21/07/2021	Ammonia as N	< 0.010	mg/l	-
S/S1003#	15/07/2021	BOD5	< 2	mg/l O2	-
D/D3000#	21/07/2021	Chloride	13.7	mg/l	-
S/S3228#	15/07/2021	Total Nitrogen	3.43	mg/l	-
D/D3000#	21/07/2021	Nitrite as N02	< 0.066	mg/l	-
D/D3000#	21/07/2021	Nitrate as N03	< 8.90	mg/l	-
D/D3000#	21/07/2021	Orthophosphate as P04	0.062	mg/l	-
S/D3000#	14/07/2021	Phosphorus, Total as P	< 0.200	mg/l	-
S/S1049#	15/07/2021	Total Suspended Solids	6	mg/l	-

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Note:

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TVC - Total viable count

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Report Reference: 21-02809

Report Version: 1

Site: Not Applicable

Sample Description: SW4

Date of Sampling: 13/07/2021

Sample Type: Surface

Date Sample Received: 13/07/2021

Lab Reference Number: 589792

Site / Method Ref.	Analysis Start Date	Parameter	Result	Units	PV Value (Drinking Water Only)
D/D3000#	21/07/2021	Ammonia as N	< 0.010	mg/l	-
S/S1003#	15/07/2021	BOD5	< 2	mg/l O2	-
D/D3000#	21/07/2021	Chloride	18.7	mg/l	-
S/S3228#	15/07/2021	Total Nitrogen	5.91	mg/l	-
D/D3000#	21/07/2021	Nitrite as N02	< 0.066	mg/l	-
D/D3000#	21/07/2021	Nitrate as N03	18.0	mg/l	-
D/D3000#	21/07/2021	Orthophosphate as P04	0.061	mg/l	-
S/D3000#	14/07/2021	Phosphorus, Total as P	< 0.200	mg/l	-
S/S1049#	15/07/2021	Total Suspended Solids	3	mg/l	-

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Eco Quest Environmental
Galway
Ireland

Report Reference: 21-02809

Report Version: 1

Site: Not Applicable

Sample Description: SW5

Date of Sampling: 13/07/2021

Sample Type: Surface

Date Sample Received: 13/07/2021

Lab Reference Number: 589793

Site / Method Ref.	Analysis Start Date	Parameter	Result	Units	PV Value (Drinking Water Only)
D/D3000#	21/07/2021	Ammonia as N	< 0.010	mg/l	-
S/S1003#	15/07/2021	BOD5	< 2	mg/l O2	-
D/D3000#	21/07/2021	Chloride	< 10.0	mg/l	-
S/S3228#	15/07/2021	Total Nitrogen	< 2.50	mg/l	-
D/D3000#	21/07/2021	Nitrite as N02	< 0.066	mg/l	-
D/D3000#	21/07/2021	Nitrate as N03	< 8.90	mg/l	-
D/D3000#	21/07/2021	Orthophosphate as P04	0.203	mg/l	-
S/D3000#	14/07/2021	Phosphorus, Total as P	< 0.200	mg/l	-
S/S1049#	15/07/2021	Total Suspended Solids	30	mg/l	-

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Certificate Of Analysis

Customer

David Parkinson
Eco Quest Environmental
Galway
Ireland

Report Reference: 21-02809

Report Version: 1

Site: Not Applicable

Sample Description: SW6

Date of Sampling: 13/07/2021

Sample Type: Surface

Date Sample Received: 13/07/2021

Lab Reference Number: 589794

Site / Method Ref.	Analysis Start Date	Parameter	Result	Units	PV Value (Drinking Water Only)
D/D3000#	21/07/2021	Ammonia as N	< 0.010	mg/l	-
S/S1003#	15/07/2021	BOD5	< 2	mg/l O2	-
D/D3000#	21/07/2021	Chloride	< 10.0	mg/l	-
S/S3228#	15/07/2021	Total Nitrogen	< 2.50	mg/l	-
D/D3000#	21/07/2021	Nitrite as N02	< 0.066	mg/l	-
D/D3000#	21/07/2021	Nitrate as N03	< 8.90	mg/l	-
D/D3000#	21/07/2021	Orthophosphate as P04	0.155	mg/l	-
S/D3000#	14/07/2021	Phosphorus, Total as P	< 0.200	mg/l	-
S/S1049#	15/07/2021	Total Suspended Solids	< 2	mg/l	-

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Client: EcoQuest Environmental
Galway city
Ireland
Galway
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Certificate Code: AR-22-M3-014139-01

Page Number: Page 1 of 2

PO reference:

Certificate of Analysis

Sample number	966-2022-00019358	Received on	01/07/2022
Your sample reference	SW1	Analysis started on	02/07/2022
Sample Matrix	Surface water		
Additional Information	Satisfactory	Sample Date	01/07/2022
Time Sampled	12:57		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Suspended Solids [M3002]							
Suspended Solids	04/07/22 07:41	EW013	5		15	mg/l	C6
Biochemical Oxygen Demand (BOD) [M3003]							
Biochemical oxygen demand (BOD) 5d	02/07/22 08:15	EW001	1		2.8	mg/l	C6
Total Nitrogen [M3007]							
Total Nitrogen	04/07/22 08:26	EW140	1		1.16	mg/l	C6
Nitrate as NO3 (Calc) - Gallery [M300L]							
Nitrate as NO3 (Calc) - Gallery	02/07/22 14:44	EW175	4.4		<4.4	mg/l	C6
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery [M300M]							
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery	02/07/22 14:44	EW175	0.15		<0.15	mg/l	C6
Chloride mg/L - Gallery [M300S]							
Chloride mg/L - Gallery	02/07/22 14:44	EW175	5		11.5	mg/l	C6
Nitrite as NO2 (Calc) - Gallery [M300Y]							
Nitrite as NO2 (Calc) - Gallery	02/07/22 14:44	EW175	0.033		<0.033	mg/l	C6
Ammonia as N - Gallery [M300Z]							
Ammonia as N - Gallery	02/07/22 14:44	EW175	0.05		<0.05	mg/l	C6

Signed: _____

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07/07/2022

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- 7A. This result is compromised as it was tested outside of stability times.
- 7C. Sample not received in appropriate containers, therefore results may be compromised.
- 7D. This result is comprised as the sample was received by the laboratory outside of the holding time.

Client: EcoQuest Environmental
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Galway
IRELAND

Certificate Code: AR-22-M3-014139-01

Page Number: Page 2 of 2

PO reference:

Total Phosphorus-TP [M3045]

Total Phosphorus-TP	05/07/22 12:03	EW146	0.2	<0.2	mg/l
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⁴ Accreditation Information

C6: ISO/IEC 17025:2017 INAB 138-T

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07/07/2022

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Certificate Code: AR-22-M3-014140-01

Page Number: Page 1 of 2

PO reference:

Certificate of Analysis

Sample number	966-2022-00019359	Received on	01/07/2022
Your sample reference	SW2	Analysis started on	02/07/2022
Sample Matrix	Surface water		
Additional Information	Satisfactory	Sample Date	01/07/2022
Time Sampled	12:08		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Suspended Solids [M3002]							
Suspended Solids	04/07/22 07:41	EW013	5		8	mg/l	C6
Biochemical Oxygen Demand (BOD) [M3003]							
Biochemical oxygen demand (BOD) 5d	02/07/22 08:15	EW001	1		4.2	mg/l	C6
Total Nitrogen [M3007]							
Total Nitrogen	04/07/22 08:26	EW140	1		2.44	mg/l	C6
Nitrate as NO3 (Calc) - Gallery [M300L]							
Nitrate as NO3 (Calc) - Gallery	02/07/22 14:44	EW175	4.4		8.723	mg/l	C6
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery [M300M]							
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery	02/07/22 14:44	EW175	0.15		<0.15	mg/l	C6
Chloride mg/L - Gallery [M300S]							
Chloride mg/L - Gallery	02/07/22 14:44	EW175	5		11.6	mg/l	C6
Nitrite as NO2 (Calc) - Gallery [M300Y]							
Nitrite as NO2 (Calc) - Gallery	02/07/22 14:44	EW175	0.033		<0.033	mg/l	C6
Ammonia as N - Gallery [M300Z]							
Ammonia as N - Gallery	02/07/22 14:44	EW175	0.05		<0.05	mg/l	C6

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Client: EcoQuest Environmental
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Certificate Code: AR-22-M3-014140-01

Page Number: Page 2 of 2

PO reference:

Total Phosphorus-TP [M3045]

Total Phosphorus-TP	05/07/22 12:03	EW146	0.2	<0.2	mg/l
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⁴ Accreditation Information

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Certificate Code: AR-22-M3-014141-01

Page Number: Page 1 of 2

PO reference:

Certificate of Analysis

Sample number	966-2022-00019360	Received on	01/07/2022
Your sample reference	SW3	Analysis started on	02/07/2022
Sample Matrix	Surface water		
Additional Information	Satisfactory	Sample Date	01/07/2022
Time Sampled	14:18		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Suspended Solids [M3002]							
Suspended Solids	04/07/22 07:41	EW013	5		8	mg/l	C6
Biochemical Oxygen Demand (BOD) [M3003]							
Biochemical oxygen demand (BOD) 5d	02/07/22 08:15	EW001	1		4.4	mg/l	C6
Total Nitrogen [M3007]							
Total Nitrogen	04/07/22 08:26	EW140	1		2.5	mg/l	C6
Nitrate as NO3 (Calc) - Gallery [M300L]							
Nitrate as NO3 (Calc) - Gallery	02/07/22 14:44	EW175	4.4		4.991	mg/l	C6
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery [M300M]							
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery	02/07/22 14:44	EW175	0.15		<0.15	mg/l	C6
Chloride mg/L - Gallery [M300S]							
Chloride mg/L - Gallery	02/07/22 14:44	EW175	5		13.9	mg/l	C6
Nitrite as NO2 (Calc) - Gallery [M300Y]							
Nitrite as NO2 (Calc) - Gallery	02/07/22 14:44	EW175	0.033		<0.033	mg/l	C6
Ammonia as N - Gallery [M300Z]							
Ammonia as N - Gallery	02/07/22 14:44	EW175	0.05		<0.05	mg/l	C6

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Certificate Code: AR-22-M3-014141-01

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PO reference:

Total Phosphorus-TP [M3045]

Total Phosphorus-TP	05/07/22 12:14	EW146	0.2	<0.2	mg/l
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⁴ Accreditation Information

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07/07/2022

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Certificate Code: AR-22-M3-014142-01

Page Number: Page 1 of 2

PO reference:

Certificate of Analysis

Sample number	966-2022-00019361	Received on	01/07/2022
Your sample reference	SW4	Analysis started on	02/07/2022
Sample Matrix	Surface water		
Additional Information	Satisfactory	Sample Date	01/07/2022
Time Sampled	13:57		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Suspended Solids [M3002]							
Suspended Solids	04/07/22 07:41	EW013	5		29	mg/l	C6
Biochemical Oxygen Demand (BOD) [M3003]							
Biochemical oxygen demand (BOD) 5d	02/07/22 08:15	EW001	1		4.8	mg/l	C6
Total Nitrogen [M3007]							
Total Nitrogen	04/07/22 08:26	EW140	1		3.18	mg/l	C6
Nitrate as NO3 (Calc) - Gallery [M300L]							
Nitrate as NO3 (Calc) - Gallery	02/07/22 14:44	EW175	4.4		7.829	mg/l	C6
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery [M300M]							
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery	02/07/22 14:44	EW175	0.15		<0.15	mg/l	C6
Chloride mg/L - Gallery [M300S]							
Chloride mg/L - Gallery	02/07/22 14:44	EW175	5		16.2	mg/l	C6
Nitrite as NO2 (Calc) - Gallery [M300Y]							
Nitrite as NO2 (Calc) - Gallery	02/07/22 14:44	EW175	0.033		<0.033	mg/l	C6
Ammonia as N - Gallery [M300Z]							
Ammonia as N - Gallery	02/07/22 14:44	EW175	0.05		0.07	mg/l	C6

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Client: EcoQuest Environmental
Galway city
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IRELAND

Certificate Code: AR-22-M3-014142-01

Page Number: Page 2 of 2

PO reference:

Total Phosphorus-TP [M3045]

Total Phosphorus-TP	05/07/22 12:03	EW146	0.2	<0.2	mg/l
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⁴ Accreditation Information

C6: ISO/IEC 17025:2017 INAB 138-T

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Client: EcoQuest Environmental
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Galway
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Certificate Code: AR-22-M3-014143-01

Page Number: Page 1 of 2

PO reference:

Certificate of Analysis

Sample number	966-2022-00019362	Received on	01/07/2022
Your sample reference	SW5	Analysis started on	02/07/2022
Sample Matrix	Surface water		
Additional Information	Satisfactory	Sample Date	01/07/2022
Time Sampled	11:16		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Suspended Solids [M3002]							
Suspended Solids	04/07/22 07:41	EW013	5		<5	mg/l	C6
Biochemical Oxygen Demand (BOD) [M3003]							
Biochemical oxygen demand (BOD) 5d	02/07/22 08:15	EW001	1		1.5	mg/l	C6
Total Nitrogen [M3007]							
Total Nitrogen	04/07/22 08:26	EW140	1		1.16	mg/l	C6
Nitrate as NO3 (Calc) - Gallery [M300L]							
Nitrate as NO3 (Calc) - Gallery	02/07/22 14:44	EW175	4.4		<4.4	mg/l	C6
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery [M300M]							
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery	02/07/22 14:44	EW175	0.15		<0.15	mg/l	C6
Chloride mg/L - Gallery [M300S]							
Chloride mg/L - Gallery	02/07/22 14:44	EW175	5		10.1	mg/l	C6
Nitrite as NO2 (Calc) - Gallery [M300Y]							
Nitrite as NO2 (Calc) - Gallery	02/07/22 14:44	EW175	0.033		<0.033	mg/l	C6
Ammonia as N - Gallery [M300Z]							
Ammonia as N - Gallery	02/07/22 14:44	EW175	0.05		<0.05	mg/l	C6

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Client: EcoQuest Environmental
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Galway
IRELAND

Certificate Code: AR-22-M3-014143-01

Page Number: Page 2 of 2

PO reference:

Total Phosphorus-TP [M3045]

Total Phosphorus-TP	05/07/22 12:03	EW146	0.2	<0.2	mg/l
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⁴ Accreditation Information

C6: ISO/IEC 17025:2017 INAB 138-T



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Certificate Code: AR-22-M3-014144-01

Page Number: Page 1 of 2

PO reference:

Certificate of Analysis

Sample number	966-2022-00019363	Received on	01/07/2022
Your sample reference	SW6	Analysis started on	02/07/2022
Sample Matrix	Surface water		
Additional Information	Satisfactory	Sample Date	01/07/2022
Time Sampled	10:28		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Suspended Solids [M3002]							
Suspended Solids	04/07/22 07:41	EW013	5		<5	mg/l	C6
Biochemical Oxygen Demand (BOD) [M3003]							
Biochemical oxygen demand (BOD) 5d	02/07/22 08:15	EW001	1		1.5	mg/l	C6
Total Nitrogen [M3007]							
Total Nitrogen	04/07/22 08:26	EW140	1		1.09	mg/l	C6
Nitrate as NO3 (Calc) - Gallery [M300L]							
Nitrate as NO3 (Calc) - Gallery	02/07/22 14:44	EW175	4.4		<4.4	mg/l	C6
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery [M300M]							
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery	02/07/22 14:44	EW175	0.15		<0.15	mg/l	C6
Chloride mg/L - Gallery [M300S]							
Chloride mg/L - Gallery	02/07/22 14:44	EW175	5		9.33	mg/l	C6
Nitrite as NO2 (Calc) - Gallery [M300Y]							
Nitrite as NO2 (Calc) - Gallery	02/07/22 14:44	EW175	0.033		<0.033	mg/l	C6
Ammonia as N - Gallery [M300Z]							
Ammonia as N - Gallery	02/07/22 14:44	EW175	0.05		<0.05	mg/l	C6

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Certificate Code: AR-22-M3-014144-01

Page Number: Page 2 of 2

PO reference:

Total Phosphorus-TP [M3045]

Total Phosphorus-TP	05/07/22 12:03	EW146	0.2	<0.2	mg/l
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Certificate Code: AR-22-M3-031345-01

Page Number: Page 1 of 2

PO reference:

Certificate of Analysis

Sample number	966-2022-00042825	Received on	02/12/2022
Your sample reference	SW1	Analysis started on	03/12/2022
Sample Matrix	Surface water		
Sample Condition on Arrival	Satisfactory	Sample Date	02/12/2022
Time Sampled	11:50		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Suspended Solids [M3002]							
Suspended Solids	13/12/22 17:59	EW013	5		<5	mg/l	
Biochemical Oxygen Demand (BOD) [M3003]							
Biochemical oxygen demand (BOD) 5d	03/12/22 10:26	EW001	1		<1	mg/l	C6
Total Nitrogen [M3007]							
Total Nitrogen	09/12/22 15:11	EW140	1		1.4	mg/l	C6
Nitrate as NO3 (Calc) - Gallery [M300L]							
Nitrate as NO3 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	4.4		4.578	mg/l	
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery [M300M]							
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	0.15		<0.15	mg/l	
Chloride mg/L - Gallery [M300S]							
Chloride mg/L - Gallery	06/12/22 09:57	EW175	5		13.1	mg/l	C6
Nitrite as NO2 (Calc) - Gallery [M300Y]							
Nitrite as NO2 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	0.033		<0.033	mg/l	
Ammonia as N - Gallery [M300Z]							
Ammonia as N - Gallery	06/12/22 09:56	EW175	0.05		<0.05	mg/l	

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Certificate Code: AR-22-M3-031345-01

Page Number: Page 2 of 2

PO reference:

Total Phosphorus-TP [M3045]

Total Phosphorus-TP	13/12/22 12:55	EW146	0.2	<0.2	mg/l	C6
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Certificate Code: AR-22-M3-031346-01

Page Number: Page 1 of 2

PO reference:

Certificate of Analysis

Sample number	966-2022-00042826	Received on	02/12/2022
Your sample reference	SW2	Analysis started on	03/12/2022
Sample Matrix	Surface water		
Sample Condition on Arrival	Satisfactory	Sample Date	02/12/2022
Time Sampled	11:06		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Suspended Solids [M3002]							
Suspended Solids	13/12/22 17:58	EW013	5		20	mg/l	
Biochemical Oxygen Demand (BOD) [M3003]							
Biochemical oxygen demand (BOD) 5d	03/12/22 10:26	EW001	1		<1	mg/l	C6
Total Nitrogen [M3007]							
Total Nitrogen	09/12/22 15:08	EW140	1		3.0	mg/l	C6
Nitrate as NO3 (Calc) - Gallery [M300L]							
Nitrate as NO3 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	4.4		11.824	mg/l	
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery [M300M]							
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	0.15		<0.15	mg/l	
Chloride mg/L - Gallery [M300S]							
Chloride mg/L - Gallery	06/12/22 09:57	EW175	5		12.5	mg/l	C6
Nitrite as NO2 (Calc) - Gallery [M300Y]							
Nitrite as NO2 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	0.033		<0.033	mg/l	
Ammonia as N - Gallery [M300Z]							
Ammonia as N - Gallery	06/12/22 09:56	EW175	0.05		<0.05	mg/l	C6

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Certificate Code: AR-22-M3-031346-01

Page Number: Page 2 of 2

PO reference:

Total Phosphorus-TP [M3045]

Total Phosphorus-TP	09/12/22 13:02	EW146	0.2	<0.2	mg/l	C6
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Certificate Code: AR-22-M3-031347-01

Page Number: Page 1 of 2

PO reference:

Certificate of Analysis

Sample number	966-2022-00042827	Received on	02/12/2022
Your sample reference	SW3	Analysis started on	03/12/2022
Sample Matrix	Surface water		
Sample Condition on Arrival	Satisfactory	Sample Date	02/12/2022
Time Sampled	13:34		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Suspended Solids [M3002]							
Suspended Solids	13/12/22 18:00	EW013	5		<5	mg/l	
Biochemical Oxygen Demand (BOD) [M3003]							
Biochemical oxygen demand (BOD) 5d	03/12/22 10:26	EW001	1		1	mg/l	C6
Total Nitrogen [M3007]							
Total Nitrogen	09/12/22 15:05	EW140	1		1.8	mg/l	C6
Nitrate as NO3 (Calc) - Gallery [M300L]							
Nitrate as NO3 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	4.4		6.939	mg/l	
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery [M300M]							
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	0.15		<0.15	mg/l	
Chloride mg/L - Gallery [M300S]							
Chloride mg/L - Gallery	06/12/22 09:57	EW175	5		14.1	mg/l	C6
Nitrite as NO2 (Calc) - Gallery [M300Y]							
Nitrite as NO2 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	0.033		<0.033	mg/l	
Ammonia as N - Gallery [M300Z]							
Ammonia as N - Gallery	06/12/22 09:56	EW175	0.05		<0.05	mg/l	C6

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Certificate Code: AR-22-M3-031347-01

Page Number: Page 2 of 2

PO reference:

Total Phosphorus-TP [M3045]

Total Phosphorus-TP	13/12/22 12:56	EW146	0.2	<0.2	mg/l	C6
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Certificate Code: AR-22-M3-031348-01

Page Number: Page 1 of 2

PO reference:

Certificate of Analysis

Sample number	966-2022-00042828	Received on	02/12/2022
Your sample reference	SW4	Analysis started on	03/12/2022
Sample Matrix	Surface water		
Sample Condition on Arrival	Satisfactory	Sample Date	02/12/2022
Time Sampled	12:54		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Suspended Solids [M3002]							
Suspended Solids	13/12/22 17:59	EW013	5		<5	mg/l	
Biochemical Oxygen Demand (BOD) [M3003]							
Biochemical oxygen demand (BOD) 5d	03/12/22 10:26	EW001	1		<1	mg/l	C6
Total Nitrogen [M3007]							
Total Nitrogen	09/12/22 15:08	EW140	1		5.0	mg/l	C6
Nitrate as NO3 (Calc) - Gallery [M300L]							
Nitrate as NO3 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	4.4		22.382	mg/l	
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery [M300M]							
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	0.15		<0.15	mg/l	
Chloride mg/L - Gallery [M300S]							
Chloride mg/L - Gallery	06/12/22 09:57	EW175	5		22.1	mg/l	C6
Nitrite as NO2 (Calc) - Gallery [M300Y]							
Nitrite as NO2 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	0.033		<0.033	mg/l	
Ammonia as N - Gallery [M300Z]							
Ammonia as N - Gallery	06/12/22 09:56	EW175	0.05		<0.05	mg/l	C6

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IRELAND

Certificate Code: AR-22-M3-031348-01

Page Number: Page 2 of 2

PO reference:

Total Phosphorus-TP [M3045]

Total Phosphorus-TP	09/12/22 13:01	EW146	0.2	<0.2	mg/l	C6
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Certificate Code: AR-22-M3-031448-01

Page Number: Page 1 of 2

PO reference:

Certificate of Analysis

Sample number	966-2022-00042829	Received on	02/12/2022
Your sample reference	SW5	Analysis started on	03/12/2022
Sample Matrix	Surface water		
Sample Condition on Arrival	Satisfactory	Sample Date	02/12/2022
Time Sampled	10:25		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Suspended Solids [M3002]							
Suspended Solids	13/12/22 19:12	EW013	5		<5	mg/l	C6
Biochemical Oxygen Demand (BOD) [M3003]							
Biochemical oxygen demand (BOD) 5d	03/12/22 10:26	EW001	1		1.3	mg/l	C6
Total Nitrogen [M3007]							
Total Nitrogen	09/12/22 15:05	EW140	1		<1	mg/l	C6
Nitrate as NO3 (Calc) - Gallery [M300L]							
Nitrate as NO3 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	4.4		<4.4	mg/l	C6
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery [M300M]							
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	0.15		<0.15	mg/l	C6
Chloride mg/L - Gallery [M300S]							
Chloride mg/L - Gallery	06/12/22 09:57	EW175	5		10.4	mg/l	C6
Nitrite as NO2 (Calc) - Gallery [M300Y]							
Nitrite as NO2 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	0.033		<0.033	mg/l	C6
Ammonia as N - Gallery [M300Z]							
Ammonia as N - Gallery	06/12/22 09:56	EW175	0.05		<0.05	mg/l	C6

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Certificate Code: AR-22-M3-031448-01

Page Number: Page 2 of 2

PO reference:

Total Phosphorus-TP [M3045]

Total Phosphorus-TP	13/12/22 12:56	EW146	0.2	<0.2	mg/l	C6
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⁴ Accreditation Information

C6: ISO/IEC 17025:2017 INAB 138-T

Signed: _____



Aoife de Barra -

16/12/2022

NOTES

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3. LOQ = Limit of Quantification or lowest value that can be reported
4. ACCRED = Indicates accreditation for the test, a blank field indicates not accredited
5. "*" indicates the test was sub-contracted
6. No date of sampling was supplied, sample stability cannot be assessed, results may be compromised.
- 7A. This result is compromised as it was tested outside of stability times.
- 7C. Sample not received in appropriate containers, therefore results may be compromised.
- 7D. This result is comprised as the sample was received by the laboratory outside of the holding time.

Client: EcoQuest Environmental
Galway city
Ireland
Galway
IRELAND

Certificate Code: AR-22-M3-031539-01

Page Number: Page 1 of 2

PO reference:

Certificate of Analysis

Sample number	966-2022-00042830	Received on	02/12/2022
Your sample reference	SW6	Analysis started on	03/12/2022
Sample Matrix	Surface water		
Sample Condition on Arrival	Satisfactory	Sample Date	02/12/2022
Time Sampled	09:54		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Suspended Solids [M3002]							
Suspended Solids	13/12/22 19:13 ^{7A}	EW013	5		<5	mg/l	
Biochemical Oxygen Demand (BOD) [M3003]							
Biochemical oxygen demand (BOD) 5d	03/12/22 10:26	EW001	1		<1	mg/l	C6
Total Nitrogen [M3007]							
Total Nitrogen	09/12/22 15:08	EW140	1		<1	mg/l	C6
Nitrate as NO3 (Calc) - Gallery [M300L]							
Nitrate as NO3 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	4.4		<4.4	mg/l	
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery [M300M]							
Phosphate (Ortho/MRP) as PO4 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	0.15		<0.15	mg/l	
Chloride mg/L - Gallery [M300S]							
Chloride mg/L - Gallery	06/12/22 09:57	EW175	5		9.46	mg/l	C6
Nitrite as NO2 (Calc) - Gallery [M300Y]							
Nitrite as NO2 (Calc) - Gallery	06/12/22 09:57 ^{7A}	EW175	0.033		<0.033	mg/l	
Ammonia as N - Gallery [M300Z]							
Ammonia as N - Gallery	06/12/22 09:56	EW175	0.05		<0.05	mg/l	C6

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Certificate Code: AR-22-M3-031539-01

Page Number: Page 2 of 2

PO reference:

Total Phosphorus-TP [M3045]

Total Phosphorus-TP	09/12/22 13:02	EW146	0.2	<0.2	mg/l	C6
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