Annual Environmental Report

2024

Wexford Town

D0030-02

CONTENTS

1 EXECUTIVE SUMMARY AND INTRODUCTION TO THE 2024 AER

1.1 Annual Statement of Measures

1.2 Treatment Summary

1.3 ELV Overview

1.4 License Specific Report Included in AER

2 TREATMENT PLANT PERFORMANCE AND IMPACT SUMMARY

2.1 Wexford town WWTP - Treated Discharge

2.1.1 Influent Summary - Wexford town WWTP

2.1.2 Effluent Monitoring Summary - Wexford town WWTP -

2.1.3 Ambient Monitoring Summary for The Treatment Plant Discharge -

2.1.4 Operational Reports Summary for Wexford town WWTP

2.1.5 Sludge/Other Inputs to Wexford town WWTP

3 COMPLAINTS AND INCIDENTS

3.1 COMPLAINTS SUMMARY

3.2 REPORTED INCIDENTS SUMMARY

3.2.1 Summary of Incidents

3.2.2 Summary of Overall Incidents

4 INFRASTRUCTURAL ASSESSMENT AND PROGRAMME OF IMPROVEMENTS

4.1 STORM WATER OVERFLOW IDENTIFICATION AND INSPECTION REPORT

4.1.1 SWO Identification and Inspection Summary Report

4.2 REPORT ON PROGRESS MADE AND PROPOSALS BEING DEVELOPED TO MEET THE IMPROVEMENT PROGRAMME REQUIREMENTS

4.2.1 Specified Improvement Programme Summary

4.2.2 Improvement Programme Summary

4.2.3 Sewer Integrity Risk Assessment

5 LICENCE SPECIFIC REPORTS

5.1 Priority Substances Assessment

5.2 Shellfish Impact Assessment

6 CERTIFICATION AND SIGN OFF

6.1 Summary of AER Contents

7 APPENDIX

7.1 Ambient monitoring summary

1 EXECUTIVE SUMMARY AND INTRODUCTION TO THE 2024 AER

This Annual Environmental Report has been prepared for D0030-02, Wexford Town, in Wexford in accordance with the requirements of the wastewater discharge licence for the agglomeration. Specified reports where relevant are included as an appendix to the AER.

1.1 ANNUAL STATEMENT OF MEASURES

A summary of any improvements undertaken is provided where applicable.

There were no major capital or operational changes undertaken.

1.2 TREATMENT SUMMARY

The agglomeration is served by a wastewater treatment plant(s)

- Wexford town WWTP with a Plant Capacity PE of 45000, the treatment type is 3NP - Tertiary N&P removal .

1.3 ELV OVERVIEW

The overall compliance of the final effluent with the Emission Limit Values (ELVs) is shown below. More detailed information on the below ELV's can be found in Section 2.

Discharge Point Reference	Treatment Plant	Discharge Type	Compliance Status	Parameters failing if relevant
TPEFF3300D0030SW001	Wexford town WWTP	Treated	Compliant	N/A

1.4 LICENCE SPECIFIC REPORTING

Assessment / Report
There are no Licence Specific Reports included in this AER.

2 TREATMENT PLANT PERFORMANCE AND IMPACT SUMMARY

2.1 WEXFORD TOWN WWTP - TREATED DISCHARGE

2.1.1 INFLUENT MONITORING SUMMARY - WEXFORD TOWN WWTP

A summary of influent monitoring for the treatment plant is presented below. This monitoring is primarily undertaken in order to determine the overall efficiency of the plant in removing pollutants from the raw wastewater.

Parameters	Number of Samples	Annual Max	Annual Mean
COD-Cr mg/l	12	964	397
Total Nitrogen mg/l	12	50	32
Total Phosphorus (as P) mg/l	12	9.50	4.27
BOD, 5 days with Inhibition (Carbonaceous BOD) mg/l	12	265	132
Suspended Solids mg/l	12	482	226
Hydraulic Capacity	N/A	29445	15657

If other inputs in the form of sludge / leachate are added to the WWTP then these are included in Section 2.1.5 if applicable.

Significance of Results:

The annual mean hydraulic loading is less than the peak Treatment Plant Capacity. The annual maximum hydraulic loading is less than the peak Treatment Plant Capacity. Further details on the plant capacity and efficiency can be found under the sectional ‘Operational Performance Summary’. The design of the wastewater treatment plant allows for peak values and therefore the peak loads have not impacted on compliance with Emission Limit Values.

2.1.2 EFFLUENT MONITORING SUMMARY - TPEFF3300D0030SW001

Parameter	WWDL ELV (Schedule A)	ELV with Condition 2 Interpretation included Note 1	Interim % reduction from influent concentration	Number of sample results	Number of exceedances	Number of exceedances with Condition 2 Interpretation included	Annual Mean	Overall Compliance (Pass/Fail)
COD-Cr mg/l	125	250	N/A	12	N/A	N/A	21	Pass
Suspended Solids mg/l	35	87.5	N/A	12	N/A	N/A	10	Pass
BOD, 5 days with Inhibition (Carbonaceous BOD) mg/l	25	50	N/A	12	N/A	N/A	2.17	Pass
Temperature °C	25	25	N/A	12	N/A	N/A	7.11	Pass
Total Oxidised Nitrogen (as N) mg/l	15	18	N/A	12	N/A	N/A	3.08	Pass
Total Nitrogen mg/l	15	18	N/A	12	N/A	N/A	5.30	Pass
Ammonia-Total (as N) mg/l	10	12	N/A	12	N/A	N/A	0.441	Pass
pH pH units	9	9	N/A	12	N/A	N/A	7.23	Pass
Total Phosphorus (as P) mg/l	2	2.4	N/A	12	N/A	N/A	0.247	Pass

Parameter	WWDL ELV (Schedule A)	ELV with Condition 2 Interpretation included Note 1	Interim % reduction from influent concentration	Number of sample results	Number of exceedances	Number of exceedances with Condition 2 Interpretation included	Annual Mean	Overall Compliance (Pass/Fail)
Coliform Bacteria (Total) no./100mls	N/A	N/A	N/A	1	N/A	N/A	150	
Nitrite (as N) mg/l	N/A	N/A	N/A	12	N/A	N/A	0.042	
Nitrate (as N) mg/l	N/A	N/A	N/A	12	N/A	N/A	3.07	
E. Coli no./100mls	N/A	N/A	N/A	3	N/A	N/A	52	
Visual Inspection Descriptive	N/A	N/A	N/A	12	N/A	N/A	N/A	
Enterococci (Intestinal) cfu/100ml	N/A	N/A	N/A	3	N/A	N/A	15	
Faecal coliforms no./100mls	N/A	N/A	N/A	3	N/A	N/A	52	

Notes:
1 – This represents the Emission Limit Values after the Interpretation provided for under Condition 2 of the licence is applied
2 – For pH the WWDA specifies a range of pH 6 - 9

Cause of Exceedance(s):

Not applicable

Significance of Results:

The WWTP is compliant with the ELV's set in the Wastewater Discharge Licence.

2.1.3 AMBIENT MONITORING SUMMARY FOR THE TREATMENT PLANT DISCHARGE TPEFF3300D0030SW001

A summary of monitoring from ambient monitoring points associated with the wastewater discharge is provided in the sections below. For discharges to rivers upstream (U/S) and downstream (D/S) location data is provided. For other ambient points in lakes, coastal or transitional waters, monitoring data from the most appropriate monitoring station is selected.

The table below provides details of ambient monitoring locations and details of any designations as sensitive areas.

Ambient Monitoring Point from WWDL (or as agreed with EPA)	Irish Grid Reference	River Station Code	Bathing Water	Drinking Water	FWPM	Shellfish	WFD Ecological Status
Upstream	301365, 123270	TW33002085SY2003	No	No	No	Yes	Poor
Downstream	307402 121085	TW33002085SY2014	No	No	No	Yes	Poor

The results for ambient results and / or additional monitoring data sets are included in the **Appendix 7.1 - Ambient monitoring summary**

Significance of Results:

The coastal/transitional ambient monitoring results meet the required EQS. The EQS relates to the Oxygenation and Nutrient Conditions set out in the Surface Water Regulations 2009.

The WWTP discharge was compliant with the ELV's set in the wastewater discharge licence.

Based on ambient monitoring results a deterioration in BOD, Ammonia, pH, Suspended Solids, Total Nitrogen, Dissolved Inorganic Nitrogen, concentrations downstream of the effluent discharge is noted.

A deterioration in water quality has been identified, however it is not known if it or is not caused by the WWTP.

Other causes of deterioration in water quality in the area are unknown.

The discharge from the wastewater treatment plant does not have an observable negative impact on the Water Framework Directive status.

The discharge from the wastewater treatment plant does have an observable impact on the designated shellfish water quality.

The discharge from the wastewater treatment plant does have an observable impact on the coastal/transitional water quality.

2.1.4 OPERATIONAL PERFORMANCE SUMMARY - WEXFORD TOWN WWTP

2.1.4.1 Treatment Efficiency Report - Wexford town WWTP

Treatment efficiency is based on the removal of key pollutants from the influent wastewater by the treatment plant. In essence the calculation is based on the balance of load coming into the plant versus the load leaving the plant. The efficiency is presented as a percentage removal rate.

A summary presentation of the efficiency of the treatment process including information for all the parameters specified in the licence is included below:

Parameter	Influent mass loading (kg/year)	Effluent mass emission (kg/year)	Efficiency (% reduction of influent load)
TN	158415	27856	82
COD	1952941	109628	94
cBOD	647375	11394	98
TP	21022	1301	94
SS	1112629	53806	95

Note: The above data is based on sample results for the number of dates reported

2.1.4.2 Treatment Capacity Report Summary - Wexford town WWTP

Treatment capacity is an assessment of the hydraulic (flow) and organic (the amount of pollutants) load a treatment plant is designed to treat versus the current loading of that plant.

Wexford town WWTP	
Peak Hydraulic Capacity (m^3/day) - As Constructed	30375
DWF to the Treatment Plant (m^3/day)	10125
Current Hydraulic Loading - annual max (m^3/day)	29445

Wexford town WWTP	
Average Hydraulic loading to the Treatment Plant (m^3/day)	15656.84
Organic Capacity (PE) - As Constructed	45000
Organic Capacity (PE) - Collected Load (peak week)[Note1]	33743
Organic Capacity (PE) - Remaining	11257
Will the capacity be exceeded in the next three years? (Yes/No)	No

Nominal design capacities can be based on conservative design principles. In some cases assessment of existing plants has shown organic capacities significantly higher than the nominal design capacity. Accordingly plants that appear to be overloaded when comparing a collected peak load with the nominal design capacity can be fully compliant due to the safety factors in the original design.

2.1.5 SLUDGE / OTHER INPUTS - WEXFORD TOWN WWTP

'Other inputs' to the waste water treatment plant are summarised in table below

Input type	Quantity	Unit	P.E.	% of load to WWTP	Included in Influent Monitoring (Y/N)?	Is there a leachate/sludge acceptance procedure for the WWTP?	Is there a dedicated leachate/sludge acceptance facility for the WWTP? (Y/N)
Industrial / Commercial Sludge	12327.04	Volume (m3)	45000	0.33	Yes	Yes	No

3 COMPLAINTS AND INCIDENTS

3.1 COMPLAINTS SUMMARY

A summary of complaints of an environmental nature related to the discharge(s) to water from the WWTP and network is included below.

Number of Complaints	Nature of Complaint	Number Open Complaints	Number Closed Complaints
There were no relevant environmental complaints in 2024.			

3.2 REPORTED INCIDENTS SUMMARY

Environmental incidents that arise in an agglomeration are reported on an on-going basis in accordance with our waste water discharge licences. Where an incident occurs and it is reportable under the licence, it is reported to the Environmental Protection Agency through their Environmental Data Exchange Network, or in some instances by telephone. Some incidents which arise in the agglomeration are recorded by Uisce Éireann but may not be reportable under our licence for example where the incident does not have an impact on environmental performance.

A summary of reported incidents is included below.

3.2.1 SUMMARY OF INCIDENTS

Incident Type	Cause	Recurring (Y/N)	Closed (Y/N)
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	Adverse Weather	No	Yes

Incident Type	Cause	Recurring (Y/N)	Closed (Y/N)
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Abatement equipment off-line	Plant or equipment breakdown at WWTP	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Other	Shock load to the WWTP	No	Yes
Uncontrolled release	Adverse Weather	No	Yes
Uncontrolled release	Emergency overflow caused by power failure	No	Yes
Uncontrolled release	Plant or equipment breakdown at WWTP	No	Yes
Uncontrolled release	Blocked Sewer	No	Yes
Uncontrolled release	Network Infrastructure	Yes	No
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Abatement equipment off-line	Plant or equipment breakdown at WWTP	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes

Incident Type	Cause	Recurring (Y/N)	Closed (Y/N)
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO Design not meeting DoEHLG Criteria	No	Yes
Uncontrolled release	Adverse Weather	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO Design not meeting DoEHLG Criteria	No	Yes

3.2.2 SUMMARY OF OVERALL INCIDENTS

Question	Answer
Number of Incidents in 2024	31
Number of Incidents reported to the EPA via EDEN in 2024	31
Explanation of any discrepancies between the two numbers above	N/A

4 INFRASTRUCTURAL ASSESSMENTS AND PROGRAMME OF IMPROVEMENTS

4.1 STORM WATER OVERFLOW IDENTIFICATION AND INSPECTION REPORT

A summary of the operation of the storm water overflows and their significance where known is included below:

4.1.1 SWO IDENTIFICATION

WWDL Name / Code for Storm Water Overflow (chamber) where applicable	Irish Grid Ref. (outfall)	Included in Schedule of the WWDL	Significance of the overflow(High / Medium / Low)	Assessed against DoEHLG Criteria	No. of times activated in 2024 (No. of events)	Total volume discharged in 2024 (m3)	Monitoring Status
SW002	300638, 115995	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
SW003	305761, 119257	Yes	High Significance	Not Meeting Criteria	Unknown	528460	Monitored
SW004	305341, 121436	Yes	Low Significance	Not Meeting Criteria	Unknown	Unknown	Not Monitored
SW005	304782, 120996	Yes	Low Significance	Not Meeting Criteria	Unknown	Unknown	Not Monitored
SW006	303706, 122669	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
SW007	304982, 118040	Yes	Low Significance	Not Meeting Criteria	Unknown	Unknown	Not Monitored

WWDL Name / Code for Storm Water Overflow (chamber) where applicable	Irish Grid Ref. (outfall)	Included in Schedule of the WWDL	Significance of the overflow(High / Medium / Low)	Assessed against DoEHLG Criteria	No. of times activated in 2024 (No. of events)	Total volume discharged in 2024 (m3)	Monitoring Status
SW009	305145, 126755	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
SW010	292103, 119573	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
SW011	298980, 122738	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
SW012	302924, 115687	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
SW013	305286, 122922	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
SW014	304969, 121457	Yes	Low Significance	Not Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	305745, 126414	No	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	304260, 120817	No	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored

The contents presented in this table include the most up to date information available at the time of writing. Any TBC SWO(s) were identified as part of the on-going National SWO programme and will be updated in subsequent AER(s) once the information is confirmed.

SWO Summary	
How much wastewater discharge by metered SWOs during the year (m3)?	528460

SWO Summary	
Is each SWO identified as not meeting DoEHLG Guidance included in the Programme of Improvements?	No
The SWO Assessment included the requirements of relevant of WWDL schedules?	No
Have the EPA been advised of any additional SWOs / changes to Schedule C3 and A4 under Condition 1.7?	N/A

4.2 REPORT ON PROGRESS MADE AND PROPOSALS BEING DEVELOPED TO MEET THE IMPROVEMENT PROGRAMME REQUIREMENTS.

4.2.1 SPECIFIED IMPROVEMENT PROGRAMME SUMMARY

A wastewater discharge licence may require a number of reports on specific subject areas to be prepared for the agglomeration in question. These reports are submitted to the EPA as part of the Annual Environmental Report. This section provides a list of the various reports required for this agglomeration and a brief summary of their recommendations.

Specified Improvement Programmes (under Schedule A and C of WWDL)	Description	Licence Schedule	Licence Completion Date	Date Expired? (N/NA/Y)	Status of Works	Timeframe for Completing the Work	Comments
D0030-SIP:01	Discharge to be discontinued: SW002 (A0269SW001)	C	31/12/2018	Yes	Works Completed		

A summary of the status of any other improvements identified by under Condition 5 assessments- is included below.

4.2.2 IMPROVEMENT PROGRAMME SUMMARY

Improvement Identifier	Improvement Description / or any Operational Improvements	Improvement Source	Expected Completion Date	Comments
No additional improvements planned at this time.				

4.2.3 SEWER INTEGRITY RISK ASSESSMENT

The utilisation of multiple capital maintenance programmes and the outputs of the workshops with the Local Authority Operations Staff held under the programme can be used to satisfy the requirements of Condition 5 regarding network integrity. Improvement works identified by way of these programmes and workshops will be included in the Improvements Summary Tables 4.2.1 and 4.2.2.

5 LICENCE SPECIFIC REPORTS

A wastewater discharge licence may require a number of reports on specific subject areas to be prepared for the agglomeration in question. These reports are submitted to the EPA as part of the Annual Environmental Report. This section provides a list of the various reports required for this agglomeration and a brief summary of their recommendations.

Licence Specific Report	Required by licence	Included in this AER
D0030-02-Priority Substances Assessment	Yes	No
D0030-02-Shellfish Impact Assessment	Yes	No

6 CERTIFICATION AND SIGN OFF

6.1 SUMMARY OF AER CONTENTS

Parameter	Answer
Does the AER include an Executive Summary?	Yes
Does the AER include an assessment of the performance of the Waste Water Works (i.e. have the results of assessments been interpreted against WWDL requirements and or Environmental Quality Standards)?	Yes
Is there a need to advise the EPA for Consideration of a Technical Amendment/Review of the Licence?	N/A
List reason e.g. additional SWO identified	N/A
Is there a need to request/advise the EPA of any modification to the existing WWDL with respect to condition 4 changes to monitoring location, frequency etc	N/A
List reason e.g. changes to monitoring requirements	N/A
Have these processes commenced?	N/A
Are all outstanding reports and assessments from previous AERs included as an appendix to this AER	No

I certify that the information given in this Annual Environmental Report is truthful, accurate and complete:

Signed: Date: 10/07/2025

This AER has been produced by Uisce Éireann's Environmental Information System (EIMS) and has been electronically signed off in that system for and on behalf of ,

Eleanor Roche

Head of Environmental Regulation.

7 APPENDIX

Appendix
Appendix 7.1 - Ambient monitoring summary

Ambient Points

Ambient Monitoring Point from WWDL (or as agreed with EPA)	*Irish Grid Reference*	EPA Feature Coding Tool code	Receiving Waters Designation (Y/N)				WFD Status
			Bathing Water	Drinking Water	FWPM	Shellfish	
TW33002085SY2003	301365, 123270	TPEFF3300D0030SW001	No	No	No	Yes	Poor
TW33002085SY2014	307402 121085	TPEFF3300D0030SW001	No	No	No	Yes	Poor

Ambient Impact Assessment Table

Parameter Name	Upstream Monitoring Point Location	Upstream Monitoring Point Annual Mean	Downstream Monitoring Point Location	Downstream Monitoring Point Annual Mean	EQS (Mean)	%EQS
BOD mg/l	TW33002085SY2003	1.854	TW33002085SY2014	2.427	4	14.3
Ammonia (as N) mg/l	TW33002085SY2003	0.114	TW33002085SY2014	0.605		
pH pH units	TW33002085SY2003	7.8	TW33002085SY2014	7.9		
Suspended Solids mg/l	TW33002085SY2003	72.75	TW33002085SY2014	90.75		
Total Nitrogen (as N) mg/l	TW33002085SY2003	6.25	TW33002085SY2014	7.5		
Total Phosphorus (as P) mg/l	TW33002085SY2003	0.171	TW33002085SY2014	0.070		
Faecal coliforms no./100mls	TW33002085SY2003	2800	TW33002085SY2014	450		
E.coli no./100mls	TW33002085SY2003	2800	TW33002085SY2014	450		
Intestinal enterococci cfu/100mls	TW33002085SY2003	420	TW33002085SY2014	41		
Dissolved Inorganic Nitrogen (as N) mg/l	TW33002085SY2003	3.038	TW33002085SY2014	3.948		

Ambient Data Tables

Monitored Entity	Station	Monitoring Point	Date	Ammonia mg/l	BOD mg/l	Dissolved Inorganic Nitrogen mg/l	E.coli no. 100/mls	Faecal coliforms no. 100/mls	Intestinal enterococci no. 100/mls	pH pH Units	SS mg/l	Total Nitrogen mg/l	Total Phosphorus mg/l	Visual
Lower slaney Estruary	TW33002085SY2003	Upstream	10/02/2024	0.032	3	2.54	2800	2800	420	7.8	179	6	0.35	Yellow, Cloudy, Particles
Lower slaney Estruary	TW33002085SY2003	Upstream	07/03/2024	0.38	3	0.38				8.2	14	1	<0.050	Clear, Colourless
Lower slaney Estruary	TW33002085SY2003	Upstream	05/08/2024	<0.015	<1	4.2				7.6	17	11	0.06	Clear, colourless, no suspended solids
Lower slaney Estruary	TW33002085SY2003	Upstream	02/12/2024	0.033	<1	5.03				7.6	81	7	0.24	Slightly turbid, light yellow, few suspended solids
			Mean	0.148	1.854	3.038	2800.000	2800.000	420.000	7.800	72.750	6.250	0.171	

Monitored Entity	Station	Monitoring Point	Date	Ammonia mg/l	BOD mg/l	Dissolved Inorganic Nitrogen mg/l	E.coli no. 100/mls	Faecal coliforms no. 100/mls	Intestinal enterococci no. 100/mls	pH pH Units	SS mg/l	Total Nitrogen mg/l	Total Phosphorus mg/l	Visual
Lower slaney Estruary	TW33002085SY2016	Downstream	10/02/2024	0.5	3	4.6	450	450	41	7.9	103	6	0.13	Pale Yellow, Cloudy
Lower slaney Estruary	TW33002085SY2104	Downstream	07/03/2024	0.63	4	0.6				8.2	31	1	<0.050	Clear, Colourless
Lower slaney Estruary	TW33002085SY2104	Downstream	05/08/2024	0.57	2	1.17				8	99	7	<0.050	Clear, colourless, no suspended solids
Lower slaney Estruary	TW33002085SY2104	Downstream	02/12/2024	0.72	<1	9.42				7.5	130	16	0.08	Clear, colourless, a few suspended solids
			Mean	0.605	2.427	3.948	450.000	450.000	41.000	7.900	90.750	7.500	0.105	

Note: Where the concentration in the result is less than the limit of detection (LOD), a value of LOD/sqrt(2) was used in calculating the mean and 95%ile concentrations.