



Corporate Accreditation No 63
Accredited for compliance with ISO/IEC 17025 - Testing



Analytical Report 248784

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Sydney Water Approved Signatory

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Where a result is required to meet a compliance limit or specification the associated uncertainty must be considered. Uncertainty estimates are available for all accredited test results.

SAMPLE SUMMARY

<u>Client Sample ID</u>	<u>Sample Number</u>	<u>Sampling Procedure</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Date Authorised</u>	<u>Description</u>
PT1 POLISHER	L21066245	1	21/07/2021	22/07/2021	01/08/2021	(ENVIRONMENTAL WATER)
PT2 TURKEYS	L21066246	1	21/07/2021	22/07/2021	01/08/2021	(ENVIRONMENTAL WATER)
SPLITTER BOX1	L21066247	1	21/07/2021	22/07/2021	29/07/2021	(ENVIRONMENTAL WATER)
SPLITTER BOX2	L21066248	1	21/07/2021	22/07/2021	29/07/2021	(ENVIRONMENTAL WATER)
INLET	L21066249	1	21/07/2021	22/07/2021	29/07/2021	(ENVIRONMENTAL WATER)

Sampling procedures

- 1 Samples analysed as received.
- 2 Samples collected as per FS procedures SAWI 070, Excluding Oil & Grease which is collected as per clients instructions.
- 3 Samples collected as per FS procedures SAWI 070.
- 4 Results reported as received from WNSW.

ANALYTICAL RESULTS

Client Sample ID		PT1 POLISHER	PT2 TURKEYS	SPLITTER BOX1	SPLITTER BOX 2	INLET			
Sampled Date		21/07/2021 07:30:00 AM	21/07/2021 07:45:00 AM	21/07/2021 07:15:00 AM	21/07/2021 07:15:00 AM	21/07/2021 07:15:00 AM			
Sample Number		L21066245	L21066246	L21066247	L21066248	L21066249			
CHEMISTRY									
WC12MET : Conductivity									
Conductivity (mS/m)	mS/m	73.9	74.0	-	-	-			
Date of Performance	DD/MM/YY	22/07/21	22/07/21						
WC17NS : Biochemical oxygen demand									
BOD5	mg/L	3	4	200	14	270			
Date of Performance	DD/MM/YY	23/07/21	23/07/21	23/07/21	23/07/21	23/07/21			
WC26NS500 : Oil & Grease									
Oil & Grease	mg/L	<5	<5	-	-	-			
Date of Performance	DD/MM/YY	23/07/21	23/07/21						
WC44NS : Total, Fixed & Volatile Suspended Solids									
Total Suspended Solids	mg/L	3	<2	-	-	-			
Date of Performance	DD/MM/YY	23/07/21	23/07/21						
MICRO									

"-" = Not required or refer to Laboratory comment

Client Sample ID	PT1 POLISHER	PT2 TURKEYS	SPLITTER BOX1	SPLITTER BOX 2	INLET			
Sampled Date	21/07/2021 07:30:00 AM	21/07/2021 07:45:00 AM	21/07/2021 07:15:00 AM	21/07/2021 07:15:00 AM	21/07/2021 07:15:00 AM			
Sample Number	L21066245	L21066246	L21066247	L21066248	L21066249			
MICRO								
MI01 : Faecal Coliforms and/or E. coli by Membrane Filtration								
E.coli	CFU/100mL	-	13	-	-	-		
Faecal Coliform	CFU/100mL	-	13	-	-	-		
Date of Performance	D/M/Y H:M		22/07/21 16:08					
NUTRIENTS								
NU102 : Total Nitrogen & Total Phosphorus								
Total Nitrogen	mg/L	13.2	9.89	-	-	-		
Total Phosphorus	mg/L	3.41	2.29	-	-	-		
Date of Performance	DD/MM/YY	26/07/21	26/07/21					

COMMENTS

<u>Sample ID</u>	<u>Comment Level</u>	<u>Method</u>	<u>Test</u>	<u>Comment</u>
L21066246	Method	MI01	-	Result confirmed. Sample processed outside of holding time, result may be affected.

Analysis

MI01

Analysis Requirements

Faecal Coliforms and/or E.Coli: all results are presumptive unless indicated otherwise.

"-" = Not required or refer to Laboratory comment

LABORATORY QC RESULTS

N/A - Not Applicable

PQL - Practical Quantitation Limit

LOQ - Limit of Quantification

RPD - Relative Percent Difference

SPIKE/Positive Control - Addition of a known amount and concentration

Duplicate Precision = Accepted - Result 2 within 95% confidence limits of result 1

Duplicate Precision = Outlier - Result 2 outside 95% confidence limits of result 1

Duplicate Precision = Not calculated - Result is outside test range

LOQ	Blank	Positive Control <i>Acceptance Criteria</i>	Negative Control <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	Precision <i>Acceptance Criteria</i>
MI01 [Membrane Filtration]E.coli						
<1 CFU/100mL	<1	Accepted	Accepted	13	9	Accepted
MI01 [Membrane Filtration]Faecal Coliform						
<1 CFU/100mL	<1	Accepted	Accepted	13	9	Accepted

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
NU102 Total Nitrogen						
<0.05 mg/L	<0.05	0.96 <i>0.88 - 1.12 mg/L</i>	98 % Recovery <i>80 - 120 % Recovery</i>	0.32	0.33	B <i>0 - 0 %</i>
NU102 Total Phosphorus						
<0.002 mg/L	<0.002	0.050 <i>0.045 - 0.055 mg/L</i>	94 % Recovery <i>80 - 120 % Recovery</i>	0.018	0.017	B <i>0 - 0 %</i>
WC12MET Conductivity (mS/m)						
<0.1 mS/m	F	140.6 <i>139.3 - 143.3 mS/m</i>	E	122.4	122.4	0.00 % <i>0 - 20 %</i>
WC17NS BOD5						
<2 mg/L	<2	210 <i>139 - 257 mg/L</i>	E	200	200	0.00 % <i>0 - 20 %</i>

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
WC26NS500 Oil & Grease						
<5 mg/L	<5	89 85.1 - 101.5 mg/L	E			
WC44NS Total Suspended Solids						
<2 mg/L	<2	51 42.5 - 57.5 mg/L	E	230	230	0.00 % 0 - 20 %

Extra Note:

F: Blank is not applicable for this analyte

E: Spike is not applicable for this analyte

DUPLICATE Total Phosphorus B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ