CERTIFICATE OF ANALYSIS

Batch No: **26-43019**
Final Report **366130**

Client: **GWM Water**
Contact: **Wastewater Quality Officer**
Address: PO Box 481
HORSHAM
VIC
3402

Laboratory Scoresby Laboratory
Address Caribbean Business Park,
22 Dalmore Drive,
Scoresby,
VIC 3179
Phone 03 8756 8000
Fax 03 9763 1862
Contact: Carmin De Palma
Client Manager
Carmin.DePalma@alsglobal.com

PO No: **Not Available**
Sampler Name: **Matt Williams**
ALS Program Ref: **TPHORSHAM**
Program Description: **Horsham Wastewater Treatment Plant Monitoring**
Client Ref: **Horsham WWTP Discharge**

Date Sampled: **01-Jul-2026**
Date Samples Received: **02-Jul-2026**
Date Issued: **08-Jul-2026**

The hash (#) below indicates methods not covered by NATA accreditation in the performance of this service .

Analysis		*Method*	*Laboratory*	*Analysis*		*Method*	*Laboratory*
DO	#	CLIENT	Scoresby	EC	#	CLIENT	Scoresby
pH	#	CLIENT	Scoresby	Temp.	#	CLIENT	Scoresby
BOD5		WP030	Scoresby	Colilert (2000)		MM514	Scoresby
TCN		WK062	Scoresby	NH3 as N		WK055G	Scoresby
NO2-N		EK057G	Scoresby	NO3-N		EK058GV	Scoresby
NOX as N		EK058V & 059GV	Scoresby	SS at 104+/- 2°C		WA025	Scoresby
TKN/TP (HL)		WK061A 067A	Scoresby	Turbidity		WA045	Scoresby

Samples tested for Colilert (MM514), Plate Count (MM524) or Enterolert (MM517),sampled before 11am the previous day will be outside holding time

Signatories

Name	*Title*	*Name*	*Title*
Carmin De Palma	**Client Manager**	**Hoa T. Nguyen**	**Analyst**
Jessica Kelly	**Chemist / Analyst**	**Thanh U. Nguyen**	**Analyst**
Nazish Shehzad	**Analyst**	**Simone Rhodes**	**Analyst**
Suresh Sundaramoorthy	**Chemist**		

Samples not collected by ALS and are tested as received.

Calculated results are based on raw data.

Samples are tested within holding time unless otherwise stated.

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ALS Program Ref:	**TPHORSHAM**
Program Description:	**Horsham Wastewater Treatment Plant Monitoring**

For holding time compliance, method uncertainty, quality control and brief method summary, please refer to accompanying QC report.When a reported LOR is higher than the standard LOR, this may be due to high moisture content, insufficient sample or matrix interference. LOR = Limit of Reporting

Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
12729664	SLHOR001	46204 - Final Lagoon Effluent (Winter Storage) Horsham	WATER	01/07/26 12:00
12729673	SLHOR002	46204 - Final Discharge_Post DAF_Horsham WWTP	WATER	01/07/26 12:20
12729682	SOHOR002	46204 - VIDA Storage (700 ML) Effluent	WATER	01/07/26 13:00

Analysis - Analyte	*Sample No. Site Code Units*	*LOR*	12729664 SLHOR001	12729673 SLHOR002	12729682 SOHOR002
Temp. - Water Temperature (CS)	°C	-	14.0		14.0
pH - pH (CS)	Units	-	7.50	7.20	7.70
EC - Electrical Conductivity (CS)	uS/cm	-	1320	1300	1400
DO - Dissolved Oxygen (CS)	mg/L	-	10.50	9.0	12.0
BOD5 - Biochemical Oxygen Demand, 5 Day	mg/L	2	<2	10	3
TKN/TP (HL) - Total Kjeldahl Nitrogen as N	mg N / L	0.1	8.0	7.5	2.8
TKN/TP (HL) - Phosphorus, total as P	mg P / L	0.05	5.8	4.2	4.2
SS at 104+/- 2°C - Suspended Solids	mg/L	2	11	8	39
Turbidity - Turbidity, NTU	NTU	0.1	8.9	3.2	13
TCN - Total Nitrogen as N (Calc)	mg/L	0.1	9.6	9.0	3.8
NH3 as N - Ammonia, as N	mg N / L	0.1	6.6	6.9	1.5
NOX as N - Nitrate + Nitrite, as N	mg N / L	0.01	1.6	1.5	1.0
NO3-N - Nitrate, as N	mg N / L	0.01	1.4	1.3	0.92
NO2-N - Nitrite, as N	mg N / L	0.01	0.21	0.21	0.09
Colilert (2000) - E.coli	MPN/100mL	0	5	5	9

Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
12729691	SOHOR005	46204 - Wimmera River - Upstream	WATER	01/07/26 11:00
12729700	SOHOR010	46204 - Wimmera River (Downstream) Horsham	WATER	01/07/26 11:30
12729709	SOHOR011	46204 - Wimmera River-Discharge Point Horsham	WATER	01/07/26 11:15

Analysis - Analyte	*Sample No. Site Code Units*	*LOR*	12729691 SOHOR005	12729700 SOHOR010	12729709 SOHOR011
Temp. - Water Temperature (CS)	°C	-		12.0	13.0
pH - pH (CS)	Units	-	7.55	7.40	7.60
EC - Electrical Conductivity (CS)	uS/cm	-	1000	960	980
DO - Dissolved Oxygen (CS)	mg/L	-	8.0	8.10	7.80
BOD5 - Biochemical Oxygen Demand, 5 Day	mg/L	2	<2	<2	<2
TKN/TP (HL) - Total Kjeldahl Nitrogen as N	mg N / L	0.1	0.6	0.5	0.5
TKN/TP (HL) - Phosphorus, total as P	mg P / L	0.05	0.10	0.09	0.07
SS at 104+/- 2°C - Suspended Solids	mg/L	2	13	15	10
Turbidity - Turbidity, NTU	NTU	0.1	25	24	26
TCN - Total Nitrogen as N (Calc)	mg/L	0.1	0.9	0.8	0.8
NH3 as N - Ammonia, as N	mg N / L	0.1	<0.1	<0.1	<0.1
NOX as N - Nitrate + Nitrite, as N	mg N / L	0.01	0.29	0.29	0.29
NO3-N - Nitrate, as N	mg N / L	0.01	0.29	0.28	0.28
NO2-N - Nitrite, as N	mg N / L	0.01	<0.01	0.01	<0.01
Colilert (2000) - E.coli	MPN/100mL	0	110	100	100

A blank space indicates no test performed.