

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
24/01/2025	pH	INLET	SINGLE GRAB	YES	YES	7,20
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	2,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,04
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	0,90
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,40
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	16,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	13,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,13
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,30	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,08	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
27/02/2025	pH	INLET	SINGLE GRAB	YES	YES	7,10
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,03
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	0,90
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,20
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	18,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	8,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	16,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,30
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,24
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,30	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,12	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
21/03/2025	pH	INLET	SINGLE GRAB	YES	YES	7,10
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	3,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	0,80
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,20
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	16,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	14,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,19
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,50	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,11	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
28/04/2025	pH	INLET	SINGLE GRAB	YES	YES	7,10
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	2,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,08
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	0,90
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,50
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	18,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	8,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	19,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,30
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,29
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,70	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,14	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
21/05/2025	pH	INLET	SINGLE GRAB	YES	YES	7,10
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,05
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	0,80
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,40
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	16,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	17,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,22
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,70	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,11	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
26/06/2025	pH	INLET	SINGLE GRAB	YES	YES	7,10
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	2,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,09
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	1,10
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,30
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	16,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	8,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	14,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,23
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,50	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,09	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
24/07/2025	pH	INLET	SINGLE GRAB	YES	YES	7,20
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	2,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,060
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	1,10
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,40
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	18,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	19,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,30
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,340
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,70	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,11	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
29/08/2025	pH	INLET	SINGLE GRAB	YES	YES	7,10
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	3,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,12
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	1,10
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,20
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	12,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	2,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	12,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,29
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,60	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,12	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
26/09/2025	pH	INLET	SINGLE GRAB	YES	YES	7,30
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	2,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,09
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	0,90
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,30
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	14,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	4,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	12,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,33
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,60	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,11	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
24/10/2025	pH	INLET	SINGLE GRAB	YES	YES	7,20
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	3,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,08
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	1,10
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,30
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	12,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	4,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,29
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,80	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,11	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
28/11/2025	pH	INLET	SINGLE GRAB	YES	YES	7,10
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,05
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	1,20
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,10
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	9,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	2,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,26
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,80	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,12	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
18/12/2025	pH	INLET	SINGLE GRAB	YES	YES	7,10
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	2,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,05
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	1,10
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,209,5
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	2,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,21
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,60	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,08	

ACQUA IN USCITA VASCHE ALLEVAMENTO						
MESE	DATA RILEVAZIONE	OSSIGENO DISCIOLTO [mg/l]	TEMPERATURA	PRESSIONE [mmHg]	VALORE SATURAZIONE DI O ₂ [mg/l]	SATURAZIONE PERCENTUALE [%]
GENNAIO	24/01/2025	10,4	9,6	737,39	10,41	99,88
FEBBRAIO	27/02/2025	10,1	9	737,39	10,68	94,54
MARZO	21/03/2025	10,1	9,3	737,39	10,55	95,75
APRILE	28/04/2025	10,2	9,8	737,39	10,32	98,82
MAGGIO	21/05/2025	10	10	737,39	10,23	97,75
GIUGNO	26/06/2025	10,1	10,2	737,39	10,14	99,62
LUGLIO	24/07/2025	9,7	10,8	737,39	9,86	98,35
AGOSTO	29/08/2025	9,7	11	737,39	9,77	99,28
SETTEMBRE	26/09/2025	10,1	10,6	737,39	10,47	96,47
OTTOBRE	24/10/2025	10,1	10,3	737,39	10,59	95,35
NOVEMBRE	28/11/2025	10,2	9,8	737,39	10,32	98,82
DICEMBRE	18/12/2025	10,4	9,5	737,39	10,46	99,45

1. Pressione atmosferica (IN hPa) in funzione dell'altitudine (in metri)
$P(h)=1013.25 \times (1 - h/44330)^{5.255}$
2. Co (mg/L)
$Co(T)=aT^2 + bT + c$ $a=-0.0035$ $b=-0.4006$ $c=14.6$ T è la temperatura in gradi Celsius (°C)
2. Saturazione dell'ossigeno in acqua dolce (mg/L)
$C(T,h)=Co \times P(h)/1013.25$ h è l'altitudine in metri (m) P(h) è la pressione atmosferica in hPa calcolata con la formula sopra

Altitudine (m) POPOLI	Pressione (hPa)	Pressione (mmHg)	Temperatura (°C)	Co	SATURAZIONE di O ₂ (mg/l)	Ossigeno disciolto (mg/l)	Saturazione %
254	983,11	737,39	9,6	10,73	10,41	10,4	99,88
254	983,11	737,39	9	11,01	10,68	10,1	94,54
254	983,11	737,39	9,3	10,87	10,55	10,1	95,75
254	983,11	737,39	9,8	10,64	10,32	10,2	98,82
254	983,11	737,39	10	10,54	10,23	10	97,75
254	983,11	737,39	10,2	10,45	10,14	10,1	99,62
254	983,11	737,39	10,8	10,17	9,86	9,7	98,35
254	983,11	737,39	11	10,07	9,77	9,7	99,28
254	983,11	737,39	10,6	10,79	10,47	10,1	96,47
254	983,11	737,39	10,3	10,92	10,59	10,1	95,35
254	983,11	737,39	9,8	10,64	10,32	10,2	98,82
254	983,11	737,39	9,5	10,78	10,46	10,4	99,45