

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	4,00
	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	5,10
	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	5,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	11,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,21
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,20	
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	7,40
	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	5,50
	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	17,00
	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	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,23
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,20	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,04	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
21/03/2025	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	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,12
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	5,40
	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	8,00
	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	0,28
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,60	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,09	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
28/04/2025	pH	INLET	SINGLE GRAB	YES	YES	7,30
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	6,00
	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	0,01
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	5,70
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,60
	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	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,31
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,90	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,11	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
21/05/2025	pH	INLET	SINGLE GRAB	YES	YES	7,20
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	4,00
	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	5,40
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,60
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	14,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	18,00
	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	6,90	
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	7,30
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	7,00
	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	5,80
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,60
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	21,00
	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	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,32
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	7,40	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
24/07/2025	pH	INLET	SINGLE GRAB	YES	YES	7,40
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	4,00
	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	0,020
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	5,40
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,60
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	23,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	8,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	24,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,270
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,80	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
29/08/2025	pH	INLET	SINGLE GRAB	YES	YES	7,40
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	8,00
	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	5,50
	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	8,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	19,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,32
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,50	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10	

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	7,00
	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	5,70
	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	19,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	8,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	18,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,32
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	7,00	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,09	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
24/10/2025	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	0,01
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	6,70
	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	18,00
	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	6,90	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,08	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
28/11/2025	pH	INLET	SINGLE GRAB	YES	YES	7,40
	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	0,01
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	5,50
	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	15,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	18,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,27
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,90	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,11	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
18/12/2025	pH	INLET	SINGLE GRAB	YES	YES	7,40
	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	0,01
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	5,50
	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	15,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	18,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,27
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,90	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,11	

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	10,1	9,4	744,098	10,70	94,42
FEBBRAIO	27/02/2025	10,2	9,5	744,098	10,65	95,77
MARZO	21/03/2025	10,2	9,9	744,098	10,47	97,45
APRILE	28/04/2025	10,1	10,3	744,098	10,28	98,22
MAGGIO	21/05/2025	10,2	10,2	744,098	10,33	98,75
GIUGNO	26/06/2025	9,9	11,1	744,098	9,91	99,90
LUGLIO	24/07/2025	9,8	11,7	744,098	9,86	99,42
AGOSTO	29/08/2025	9,6	10,9	744,098	10,00	95,96
SETTEMBRE	26/09/2025	9,8	11,7	744,098	9,86	99,42
OTTOBRE	24/10/2025	10,1	10,2	744,098	10,33	97,78
NOVEMBRE	28/11/2025	10	10,3	744,098	10,28	97,25
DICEMBRE	18/12/2025	10,2	9,9	744,098	10,47	97,45

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) OSOPPO	Pressione (hPa)	Pressione (mmHg)	Temperatura (°C)	Co	SATURAZIONE di O2 (mg/l)	Ossigeno disciolto (mg/l)	Saturazione %
178	992,05	744,10	9,4	10,93	10,70	10,1	94,42
178	992,05	744,10	9,5	10,88	10,65	10,2	95,77
178	992,05	744,10	9,9	10,69	10,47	10,2	97,45
178	992,05	744,10	10,3	10,50	10,28	10,1	98,22
178	992,05	744,10	10,2	10,55	10,33	10,2	98,75
178	992,05	744,10	11,1	10,12	9,91	9,9	99,90
178	992,05	744,10	11,7	10,07	9,86	9,8	99,42
178	992,05	744,10	10,9	10,22	10,00	9,6	95,96
178	992,05	744,10	11,7	10,07	9,86	9,8	99,42
178	992,05	744,10	10,2	10,55	10,33	10,1	97,78
178	992,05	744,10	10,3	10,50	10,28	10	97,25
178	992,05	744,10	9,9	10,69	10,47	10,2	97,45