

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
19/01/2018	pH	INLET	SINGLE GRAB	YES	YES	7,36
	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	6,40
	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	6,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	3,00
	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	0,06
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,70	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,02	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
19/02/2018	pH	INLET	SINGLE GRAB	YES	YES	7,33
	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	6,20
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,36
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	7,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,00
	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	0,07
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,50	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,03	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
20/03/2018	pH	INLET	SINGLE GRAB	YES	YES	7,38
	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	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	6,00
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,35
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	8,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	7,00
	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	0,05
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,70	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,03	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
18/04/2018	pH	INLET	SINGLE GRAB	YES	YES	7,42
	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	6,30
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,4
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	7,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,00
	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	0,08
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,50	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,05	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
18/05/2018	pH	INLET	SINGLE GRAB	YES	YES	7,48
	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	6,20
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,45
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	8,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,00
	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	0,05
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,40	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,03	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
18/06/2018	pH	INLET	SINGLE GRAB	YES	YES	7,42
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	6,00
	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	6,10
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,44
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	9,00
	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	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,06
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,50	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,05	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
25/07/2018	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	0,010
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	5,90
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,010
	pH	OUTLET	SINGLE GRAB	YES	YES	7,42
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	13,00
	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	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,090
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,30	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,06	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
30/08/2018	pH	INLET	SINGLE GRAB	YES	YES	7,44
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	6,00
	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	6,20
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,45
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	14,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	8,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	12,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,07
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,40	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,09	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
20/09/2018	pH	INLET	SINGLE GRAB	YES	YES	7,48
	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	6,40
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,5
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	16,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	9,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	16,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,13
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,70	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,07	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
23/10/2018	pH	INLET	SINGLE GRAB	YES	YES	7,45
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	6,00
	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	6,60
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,48
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	14,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	8,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	15,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,07
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,80	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,03	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
23/11/2018	pH	INLET	SINGLE GRAB	YES	YES	7,49
	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	6,20
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,52
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	12,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	12,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,09
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,40	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,04	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
18/12/2018	pH	INLET	SINGLE GRAB	YES	YES	7,51
	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	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	6,10
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,5
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	3,00
	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	0,07
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,20	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,02	

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	19/01/2018	10,1	9,1	751,12	11,35	88,99
FEBBRAIO	19/02/2018	10	8,9	751,12	11,40	87,72
MARZO	20/03/2018	10	9,4	751,12	11,27	88,73
APRILE	18/04/2018	9,7	10,2	751,12	11,07	87,63
MAGGIO	18/05/2018	9,8	10,9	751,12	10,89	89,99
GIUGNO	18/06/2018	9,6	11,1	751,12	10,84	88,56
LUGLIO	25/07/2018	9,5	11,9	751,12	10,65	89,20
AGOSTO	30/08/2018	9,2	12,8	751,12	10,43	88,21
SETTEMBRE	20/09/2018	9	13,2	751,12	10,33	87,12
OTTOBRE	23/10/2018	9,1	12,5	751,12	10,51	86,62
NOVEMBRE	23/11/2018	9,6	11,9	751,12	10,65	90,14
DICEMBRE	18/12/2018	9,9	10,8	751,12	10,92	90,68

La % di saturazione di OD (concentrazione di ossigeno disciolto; in inglese DO) è data dal rapporto, in % appunto, tra l'effettiva quantità di OD e il massimo valore possibile in funzione della temperatura e dell'altitudine.

Altitudine CALCIO= 123m.

Pressione in funzione dell'altitudine: $p = 0,9877^q$; dove P=pressione in atm - q=altitudine in centinaia di metri (nel caso di TORRE q=1,23), da cui $p = 0,984892 \text{ atm}$ (748,52mm di Hg)