

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY	ANALYSIS BY THIRD PARTY	RESULT
19/01/2018	pH	INLET	SINGLE GRAB	YES	YES	7,82
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	7,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	4,00
	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	0,06
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	2,90
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,02
	pH	OUTLET	SINGLE GRAB	YES	YES	7,65
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	9,00
	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	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,08
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,90	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,05	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY	ANALYSIS BY THIRD PARTY	RESULT
19/02/2018	pH	INLET	SINGLE GRAB	YES	YES	7,85
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	8,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	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	2,80
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,04
	pH	OUTLET	SINGLE GRAB	YES	YES	7,8
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	11,00
	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	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,09
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,10	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,06	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY	ANALYSIS BY THIRD PARTY	RESULT
20/03/2018	pH	INLET	SINGLE GRAB	YES	YES	7,81
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	6,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	4,00
	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	2,90
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,05
	pH	OUTLET	SINGLE GRAB	YES	YES	7,7
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	14,00
	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	0,10
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,40	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,08	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
18/04/2018	pH	INLET	SINGLE GRAB	YES	YES	7,69
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	8,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	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	0,06
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	3,20
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,03
	pH	OUTLET	SINGLE GRAB	YES	YES	7,59
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	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	0,09
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	6,10	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,09	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
18/05/2018	pH	INLET	SINGLE GRAB	YES	YES	7,65
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	6,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	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	3,00
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,06
	pH	OUTLET	SINGLE GRAB	YES	YES	7,55
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	12,00
	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	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,06
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,70	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,09	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
18/06/2018	pH	INLET	SINGLE GRAB	YES	YES	7,69
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	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	0,06
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	3,10
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,04
	pH	OUTLET	SINGLE GRAB	YES	YES	7,57
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	9,00
	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	0,09
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,90	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,07	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
25/07/2018	pH	INLET	SINGLE GRAB	YES	YES	7,52
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	7,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	6,00
	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	0,120
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	3,20
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,090
	pH	OUTLET	SINGLE GRAB	YES	YES	7,5
	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	10,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,100
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,50	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,09	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
30/08/2018	pH	INLET	SINGLE GRAB	YES	YES	7,60
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	8,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	7,00
	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	0,14
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	3,40
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,12
	pH	OUTLET	SINGLE GRAB	YES	YES	7,55
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	14,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	7,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,12
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,60	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,11	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
20/09/2018	pH	INLET	SINGLE GRAB	YES	YES	7,52
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	9,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	7,00
	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	0,13
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	3,50
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	pH	OUTLET	SINGLE GRAB	YES	YES	7,51
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	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	0,10
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,80	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,08	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
23/10/2018	pH	INLET	SINGLE GRAB	YES	YES	7,48
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	9,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	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	3,70
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,08
	pH	OUTLET	SINGLE GRAB	YES	YES	7,45
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	9,00
	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	0,09
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,90	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
23/11/2018	pH	INLET	SINGLE GRAB	YES	YES	7,50
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	9,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	7,00
	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	3,40
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,05
	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	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	5,90	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,07	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
18/12/2018	pH	INLET	SINGLE GRAB	YES	YES	7,52
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	6,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	4,00
	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	0,06
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	3,70
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,04
	pH	OUTLET	SINGLE GRAB	YES	YES	7,46
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	8,00
	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	5,60	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,04	

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	9,9	11,1	751,12	10,99	90,08
FEBBRAIO	19/02/2018	10	10,9	751,12	11,04	90,58
MARZO	20/03/2018	9,8	10,9	751,12	11,04	88,77
APRILE	18/04/2018	9,9	11,5	751,12	10,89	90,91
MAGGIO	18/05/2018	9,7	12	751,12	10,77	90,06
GIUGNO	18/06/2018	9,6	11,4	751,12	10,92	87,91
LUGLIO	25/07/2018	9,7	12,2	751,12	10,73	90,40
AGOSTO	30/08/2018	9,6	12,7	751,12	10,61	90,52
SETTEMBRE	20/09/2018	9,5	13	751,12	10,53	90,22
OTTOBRE	23/10/2018	9,8	12,5	751,12	10,65	92,02
NOVEMBRE	23/11/2018	10	11,8	751,12	10,82	92,42
DICEMBRE	18/12/2018	10,3	11,1	751,12	10,99	93,72

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 TORRE= 95m.

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=0,95), da cui $p = 0,988311 \text{ atm}$ (751,12mm di Hg)