Table.S1. Descriptive statistics of all the stations.

Station Code	Parameters	**Mean**	**Std dev**	**Min**	**Max**
A	pH	7.74	0.16	7.60	8.02
	TDS	174.93	5.00	170.00	180.00
	ALKALINITY	64.81	5.00	60.00	70.00
	CHLORIDES	24.99	0.00	24.99	24.99
	Total_Hardness	131.07	12.13	110.00	140.00
	COD	54.35	21.99	32.00	96.00
	Sodium	14.45	1.31	13.71	17.35
	DO	4.71	0.70	3.50	5.60
B	pH	7.81	0.44	7.29	8.64
	TDS	186.61	4.71	180.00	190.00
	ALKALINITY	74.83	5.00	70.00	80.00
	CHLORIDES	29.71	4.08	24.99	34.99
	Total_Hardness	129.87	5.77	120.00	140.00
	COD	65.27	21.99	32.00	96.00
	Sodium	15.20	1.20	13.40	17.15
	DO	4.50	0.57	3.80	5.40
C	pH	7.79	0.08	7.69	7.90
	TDS	219.92	5.77	210.00	230.00
	ALKALINITY	78.03	6.87	70.00	90.00
	CHLORIDES	44.80	4.08	39.99	49.98
	Total_Hardness	156.04	26.72	120.00	190.00
	COD	85.35	22.15	64.00	128.00
	Sodium	23.69	1.40	21.03	25.21
	DO	5.31	0.52	4.80	6.10
D	pH	7.77	0.07	7.70	7.90
	TDS	231.64	3.73	230.00	240.00
	ALKALINITY	72.94	7.45	60.00	80.00
	CHLORIDES	48.00	5.53	39.99	54.98
	Total_Hardness	141.63	22.11	110.00	180.00
	COD	107.53	30.64	64.00	160.00
	Sodium	23.94	1.35	22.35	26.27
	DO	3.98	0.93	3.20	6.00
E	pH	7.78	0.15	7.67	8.10
	TDS	244.95	5.00	240.00	250.00
	ALKALINITY	82.99	7.45	70.00	90.00
	CHLORIDES	51.51	3.73	44.99	54.98
	Total_Hardness	158.57	32.87	130.00	220.00
	COD	85.93	71.36	32.00	240.00
	Sodium	26.64	2.69	23.93	31.51
	DO	3.87	1.75	2.90	8.00
F	pH	7.64	0.10	7.53	7.83
	TDS	254.95	5.00	250.00	260.00
	ALKALINITY	94.71	7.64	90.00	110.00

	CHLORIDES	49.90	2.89	44.99	54.98
	Total_Hardness	145.88	14.91	120.00	170.00
	COD	86.27	28.72	64.00	128.00
	Sodium	30.17	2.21	27.04	33.40
	DO	3.27	0.62	2.40	4.20
G	pH	7.71	0.06	7.60	7.78
	TDS	249.79	10.00	230.00	260.00
	ALKALINITY	93.22	4.71	90.00	100.00
	CHLORIDES	50.70	3.43	44.99	54.98
	Total_Hardness	143.13	7.45	130.00	150.00
	COD	107.53	30.64	64.00	160.00
	Sodium	28.14	2.12	25.32	30.55
	DO	4.29	1.03	2.80	6.10
H	pH	7.59	0.07	7.47	7.67
	TDS	244.88	7.64	240.00	260.00
	ALKALINITY	93.02	7.45	80.00	100.00
	CHLORIDES	49.03	3.43	44.99	54.98
	Total_Hardness	142.44	14.91	110.00	150.00
	COD	86.27	28.72	64.00	128.00
	Sodium	34.62	5.39	27.65	42.91
	DO	3.90	0.74	3.20	5.10
I	pH	7.60	0.07	7.48	7.70
	TDS	241.57	6.87	230.00	250.00
	ALKALINITY	103.23	4.71	100.00	110.00
	CHLORIDES	48.08	4.71	39.99	54.98
	Total_Hardness	156.27	11.06	140.00	170.00
	COD	95.80	23.40	64.00	128.00
	Sodium	35.91	6.53	24.62	42.79
	DO	3.07	0.73	2.20	4.50
J	pH	7.62	0.08	7.51	7.73
	TDS	243.29	4.71	240.00	250.00
	ALKALINITY	113.08	7.45	100.00	120.00
	CHLORIDES	49.03	3.43	44.99	54.98
	Total_Hardness	150.87	28.09	120.00	200.00
	COD	108.27	37.43	64.00	160.00
	Sodium	44.18	1.89	41.13	46.70
	DO	3.66	0.88	2.80	5.50