

Annex to 4.1.1 Surface Water Quality

Contents

	<u>Page</u>
Fig. A-I-1 Location Map of JVA Surface Water Monitoring Stations-----	SA4-1
Fig. A-I-2 Location Map of WAJ Drinking Water Quality----- Monitoring Stations	SA4-3
Table A-I-1 Surface Water Monitoring Results of JVA Lab.-----	SA4-4
Table A-I-2 RSS Water Quality Monitoring Results for KAC-----	SA4-10
Table A-I-3 WAJ Lab. Water Quality Monitoring Results for KAC-----	SA4-15
Table A-I-4 RSS Water Quality Monitoring Data for KTD and KAC----- (1995.2 – 1996.1)	SA4-18
Table A-I-5 RSS Water Quality Monitoring Data for KTD and KAC----- (1996.2 – 1997.1)	SA4-22
Table A-I-6 RSS Water Quality Monitoring Data for KTD and KAC----- (1997.2 – 1998.1)	SA4-26
Table A-I-7 RSS Water Quality Monitoring Data for KTD and KAC----- (1998.2 – 1999.1)	SA4-30
Table A-I-8 RSS Water Quality Monitoring Data for KTD and KAC----- (1999.2 – 2000.1)	SA4-34
Table A-I-9 WAJ Drinking Water Quality Monitoring Results-----	SA4-38

Table A-I-7 RSS Water Quality Monitoring Data for KTD and KAC (1998.2-1999.1)

No.	Parameter	Unit	Site	100	150	200	300	600	650	700	C0	C1	C2
			No of Samples	12	6	12	12	12	12	6	12	12	12
1	pH		Ave.	7.89	8.06	7.85	7.87	7.71	8.14	8.14	8.13	8.19	8.04
			Max.	8.23	8.43	8.13	8.33	8.1	8.48	8.48	8.48	8.64	8.38
			Min.	7.68	7.55	7.51	7.35	7.38	7.55	7.56	7.36	7.48	7.6
2	DO	mg/L	Ave.	6.93	8.66	4.14	4.04	3.53	8.15	8.58	8.23	9.28	8.5
			Max.	9.8	10	6.8	9.5	6.8	11	9.6	10.2	11.8	11.5
			Min.	3.8	7.38	1.7	1.1	1.6	6.6	7.5	7	7.6	5.5
3	Temp.	°C	Ave.	21.4	17.3	21.2	21	17.6	19.4	18.2	23.2	24	21.9
			Max.	29	20	27	27	26	27	22	32	31	28
			Min.	10.6	13	13.5	13.5	13.5	12.5	12	12	15.9	15
4	EC	µS/cm	Ave.	2460	875	2011	2096	2114	2051	2025	1007	985	1691
			Max.	2700	983	2319	2428	2388	2335	2325	1235	1087	2328
			Min.	2125	776	1467	1818	1935	1846	1863	851	882	967
5	TDS	mg/L	Ave.	1350	518	1159	1204	1222	1201	1197	597	568	991
			Max.	1476	594	1322	1354	1452	1430	1366	638	624	1414
			Min.	1150	454	822	1048	1045	1066	1084	498	502	532
6	TSS	mg/L	Ave.	55	29	28	10	10	31	66	44	33	43
			Max.	97	56	108	25	20	53	170	69	58	86
			Min.	7	15	5	2	5	18	23	28	9	16
7	BOD5	mg/L	Ave.	43	2	11	6	7	11	8	3	4	11
			Max.	59	3	34	19	10	19	11	6	6	32
			Min.	25	2	4	3	3	4	4	2	2	4
8	COD	mg/L	Ave.	121	10	50	44	37	31	29	10	13	27
			Max.	203	32	129	144	127	38	36	17	24	37
			Min.	88	3	34	26	17	23	12	2	7	15
9	TP	mg/L	Ave.	10.3	0.7	6.2	6.3	5.3	5.6	5.9	0.7	0.5	4.3
			Max.	12.6	2.4	8.3	8.3	8.9	7.2	7.7	2.9	2.1	8
			Min.	8.3	0.1	3.5	4.6	0.6	4.1	4.4	0.1	0.1	0.2

No.	Parameter	Unit	Site	100	150	200	300	600	650	700	C0	C1	C2
			No of Samples	12	6	12	12	12	12	6	12	12	12
10	TP(f)	mg/L	Ave.	8.3	0.6	5.7	6	4.9	5.3	5.4	0.5	0.3	3.7
			Max.	12	2.2	8.3	7.8	8.8	6.7	6.4	2.1	1.8	5.7
			Min.	5.8	0.1	3.1	4.4	0.4	3.7	4	0.1	0.1	0.1
11	PO4-P	mg/L	Ave.	8.1	0.2	5.2	5.4	4.2	4.9	4.7	0.3	0.2	3.5
			Max.	11	0.7	6.3	6.9	8.2	7	5.6	1.8	1.2	5.1
			Min.	4	0.1	3.1	4.2	0.1	3.6	3.5	0.1	0.1	0.1
12	NH4-N	mg/L	Ave.	35	1	12	12	14	9	7	<1	<1	4
			Max.	63	2	18	21	20	14	9			8
			Min.	20	1	3	2	8	4	5			1
13	NO3-N	mg/L	Ave.	9.6	8.5	8.3	9.2	3.5	8.5	8.9	3.3	1.8	7.4
			Max.	19	9.3	15.5	15.8	7.7	12	14	5.1	3.1	14
			Min.	2.6	7	3.4	4.2	0.2	3.8	4.5	2.6	0.6	1.9
14	NO2-N	mg/L	Ave.	5.14	0.07	1.57	1.57	0.45	1.76	1.95	0.01	0.01	1.29
			Max.	14.6	0.34	3.91	3.56	1.35	2.77	3.16		0.03	2.88
			Min.	0.67	0.01	0.35	0.34	0.01	0.08	1.21		0.01	0.07
15	Org.-N	mg/L	Ave.	7	1	4	4	4	3	3	<1	<1	3
			Max.	10	2	6	7	6	5	5			5
			Min.	2	1	1	1	0	1	2			1
16	T.Kj-N	mg/L	Ave.	42	2	15	16	18	11	10	<1	<1	6
			Max.	73	4	23	25	25	17	12			11
			Min.	24	1	5	3	8	5	7			2
17	TN	mg/L	Ave.	56.44	10.05	25.42	26.63	21.96	21.72	21.02	4.24	2.77	15.39
			Max.	76.87	13.01	36.14	37.3	29.86	27.04	25.21	6.11	4.13	24.56
			Min.	45.89	8.34	16.65	18.2	12.47	16.9	17.1	3.4	1.61	5.1
18	HCO3	mg/L	Ave.	591	318	453	458	487	438	423	278	224	353
			Max.	780	331	518	545	558	501	483	300	296	478
			Min.	475	297	398	396	427	392	359	234	201	205
19	MBAS	mg/L	Ave.	1.06	0.1	0.52	0.43	0.44	0.31	0.47	0.06	0.11	0.26
			Max.	1.4	0.39	1.1	0.57	0.95	0.64	1.07	0.26	0.63	0.86
			Min.	0.48	0.01	0.1	0.04	0.15	0.01	0.19	0.01	0.01	0.01

No.	Parameter	Unit	Site	100	150	200	300	600	650	700	C0	C1	C2
			No of Samples	12	6	12	12	12	12	6	12	12	12
20	Cl	mg/L	Ave.	419	84	338	354	347	343	339	126	154	282
			Max.	493	106	408	402	408	417	422	162	197	454
			Min.	329	65	196	288	310	301	302	98	99	133
21	B	mg/L	Ave.	0.61	0.1	0.48	0.51	0.49	0.48	0.48	0.13	0.11	0.37
			Max.	0.7	0.12	0.58	0.6	0.61	0.59	0.58	0.15	0.13	0.61
			Min.	0.53	0.08	0.29	0.4	0.4	0.41	0.41	0.1	0.09	0.1
22	Br	mg/L	Ave.	1.4	0.3	0.9	0.9	0.9	0.9	0.9	0.7	0.9	0.9
			Max.	4.3	0.5	1.3	1.2	1.1	1.2	1.3	1	1.2	1.2
			Min.	0.8	0.1	0.4	0.6	0.5	0.6	0.7	0.3	0.6	0.6
23	Na	mg/L	Ave.	247	40	203	215	207	207	198	85	87	169
			Max.	309	47	243	253	253	257	248	91	99	248
			Min.	177	35	122	156	176	168	170	70	72	87
24	Mg	mg/L	Ave.	49	41	43	47	48	48	50	31	32	43
			Max.	61	47	60	62	61	58	59	38	36	56
			Min.	36	33	29	34	34	33	39	20	26	30
25	Ca	mg/L	Ave.	125	77	113	110	125	115	115	69	56	92
			Max.	156	83	146	147	163	128	148	89	70	125
			Min.	111	69	95	93	98	100	102	50	46	52
26	SAR	mg/L	Ave.	4.7	0.9	4.06	4.28	3.96	4.02	3.83	2.12	2.28	3.54
			Max.	5.86	1.02	1.66	4.84	4.82	4.79	4.62	2.39	2.69	4.8
			Min.	3.19	0.8	2.65	3.28	3.19	3.36	3.41	1.87	1.93	2.3
27	K	mg/L	Ave.	36	5	30	31	30	31	30	8	7	23
			Max.	43	5	35	36	37	37	36	10	8	37
			Min.	29	4	21	25	23	24	26	6	6	8
28	SO4	mg/L	Ave.	116	50	128	124	169	147	155	84	72	119
			Max.	129	68	146	141	310	178	249	92	84	156
			Min.	93	41	101	105	111	124	126	53	61	75
29	F	mg/L	Ave.	0.39	0.45	0.37	0.41			0.41			
			Max.	0.44	0.49	0.43	0.48			0.46			
			Min.	0.33	0.4	0.31	0.3			0.36			

No.	Parameter	Unit	Site	100	150	200	300	600	650	700	C0	C1	C2
			No of Samples	12	6	12	12	12	12	6	12	12	12
30	CN	mg/L	Ave.	<0.03	<0.03	<0.03	<0.03			<0.03			
			Max.										
			Min.										
31	Phenols	mg/L	Ave.	<0.01	<0.01	<0.01	<0.01			<0.01			
			Max.										
			Min.										
32	THBC	CFU/mL	Ave.	5.73E+05	7.56E+03	8.35E+04	4.56E+04	6.79E+04	1.22E+05	2.11E+05	8.42E+04	2.06E+04	7.34E+04
			Max.	1.94E+07	5.00E+04	5.80E+06	7.40E+04	8.00E+05	1.90E+06	1.30E+06	9.00E+05	1.64E+05	1.33E+06
			Min.	4.54E+01	3.00E+02	1.90E+03	3.00E+02	3.90E+03	2.00E+04	4.00E+04	5.00E+03	6.00E+02	1.30E+04
33	TCC	MPN/100mL	Ave.	1.32E+05	9.81E+03	4.92E+04	1.68E+03	5.45E+03	2.93E+04	1.60E+04	1.15E+04	1.50E+03	1.50E+04
			Max.	9.04E+05	3.00E+04	9.00E+05	3.00E+04	1.60E+07	1.60E+05	1.60E+05	9.00E+04	1.40E+04	9.00E+04
			Min.	1.74E+04	1.34E+03	8.00E+02	5.00E+01	5.00E+01	5.00E+03	1.30E+03	2.70E+03	3.00E+02	2.40E+02
34	TFCC	MPN/100mL	Ave.	1.20E+04	4.37E+02	6.27E+03	2.73E+01	2.21E+02	9.71E+02	9.30E+02	1.30E+03	2.59E+02	1.30E+03
			Max.	5.04E+04	3.00E+03	1.24E+05	5.00E+02	7.00E+03	8.00E+03	3.40E+04	3.00E+03	2.40E+03	2.00E+04
			Min.	3.04E+03	2.04E+01	4.00E+01	2.00E+00	4.00E+00	2.20E+01	2.00E+01	1.70E+02	2.00E+01	1.10E+02
35	Chlor.(a)	µg/L	Ave.	131.39	3.48	44.03	24.57	20.27	16.7	22.3	5.62	35.32	33.98
			Max.	270	10.6	198.9	45	55.3	24.7	33.2	8.4	96	94.6
			Min.	12.3	1	0.9	1.2	5.8	4.7	6.3	2.2	2.6	8.1
36	Mematodes	Eggs/L	Ave.	0	0	0	0	0	0	0	0	0	
			Max.										
			Min.										

Table A-I-8 RSS Water Quality Monitoring Data for KTD and KAC (1999.2-2000.1)

No.	Parameter	Unit	Site	100	150	200	300	600	650	700	C0	C1	C2
			No of Samples	12	6	12	12	12	12	6	12	12	12
1	pH		Ave.	8.12	7.98	8.05	8.1	7.84	8.29	8.26	8.43	8.24	8.3
			Max.	8.33	8.35	8.5	8.4	8.1	8.44	8.41	8.55	8.54	8.45
			Min.	8	7.14	7.76	7.89	7.39	7.94	8.1	8.25	7.15	8.15
2	DO	mg/L	Ave.	6.45	7.74	4.75	4	3.8	6.82	6.02	6.85	6.63	7.29
			Max.	9.1	8.2	8.2	7	8.9	9.3	7.5	8.3	8.7	11.2
			Min.	4.5	6.5	1.5	1.5	1.4	3	4.5	5	2.8	3.7
3	Temp.	°C	Ave.	20.5	18.6	21.7	21.7	18.5	20.7	19.1	24.8	23.1	21.2
			Max.	26	21	29	28	28.8	28	25	31	31.5	27
			Min.	12	16	13.5	12.6	14	14.4	12.5	17	15	14
4	EC	µS/cm	Ave.	2703	994	2427	2452	2483	2433	2432	1053	1042	2261
			Max.	2870	1064	2680	2740	3010	2678	2682	1136	1094	2543
			Min.	2498	951	1913	1918	2256	2252	2254	957	969	1852
5	TDS	mg/L	Ave.	1426	583	1332	1367	1379	1382	1412	616	597	1310
			Max.	1560	630	1534	1556	1812	1542	1638	678	634	1518
			Min.	1260	560	986	974	1176	1260	1280	568	560	1018
6	TSS	mg/L	Ave.	118	90	21	16	14	33	39	41	33	110
			Max.	642	228	80	44	33	70	52	65	65	855
			Min.	33	7	5	4	5	11	17	23	14	12
7	BOD5	mg/L	Ave.	47	3	10	7	6	12	10	4	3	10
			Max.	77	4	32	21	15	26	16	11	6	16
			Min.	25	<2	2	2	2	5	6	<2	<2	6
8	COD	mg/L	Ave.	183	15	56	45	45	47	54	13	16	43
			Max.	286	37	207	72	85	65	71	22	26	93
			Min.	86	5	17	12	27	16	38	3	4	17
9	TP	mg/L	Ave.	13	0.6	6.5	6.1	6.8	6.7	6.9	0.5	0.6	5.9
			Max.	21.8	1.3	14.5	7.8	11	8.6	8.5	1.4	3.3	7.6
			Min.	8.5	<0.1	3.7	4.4	1.4	4.5	4.6	<0.1	<0.1	4.1

No.	Parameter	Unit	Site	100	150	200	300	600	650	700	C0	C1	C2
			No of Samples	12	6	12	12	12	12	6	12	12	12
10	TP(f)	mg/L	Ave.	8.9	0.3	5.4	5.7	5.7	6	5.7	0.4	0.4	4.9
			Max.	12.4	0.9	7.8	7.7	10.5	7.9	7.8	1.4	1.1	7.5
			Min.	6.5	<0.1	2	4.1	1.2	4	2.8	<0.1	<0.1	2
11	PO4-P	mg/L	Ave.	10.7	0.2	5.7	5.4	5.6	5.9	6.5	0.2	0.2	5.2
			Max.	13.7	0.8	11	7.6	9	7.8	7.8	1.3	0.8	7.1
			Min.	8	<0.1	2.2	3.6	0.3	3.6	3.7	<0.1	<0.1	3.4
12	NH4-N	mg/L	Ave.	43	<1	25	22	21	17	12	<1	<1	12
			Max.	62		34	34	29	34	20			29
			Min.	21		9	8	7	1	1			<1
13	NO3-N	mg/L	Ave.	8.34	8.1	6.78	7.07	2.9	6.45	8.81	2.75	1.42	7.72
			Max.	14	8.8	15	18	7	9.9	16.6	5.14	2.7	13
			Min.	3.3	7	3.1	2.5	<0.02	2.5	4.4	1.3	0.25	3
14	NO2-N	mg/L	Ave.	5.53	0.16	1.57	1.38	0.55	2.43	2.72		0.01	2.34
			Max.	13.4	0.87	4.3	2.67	1.6	4.1	4.47	0.02	0.04	4.13
			Min.	0.17	<0.01	0.56	0.58	<0.01	1.3	1.3	<0.01	<0.01	1.2
15	Org.-N	mg/L	Ave.	8	1	5	6	4	3	3		1	3
			Max.	12	2	11	11	9	8	7	1	2	10
			Min.	5	<1	1	1	2	1	2	<1	<1	1
16	T.Kj-N	mg/L	Ave.	51	1	30	28	25	20	16		1	15
			Max.	73	2	38	41	33	42	22	2	2	39
			Min.	27	<1	13	9	9	1	3	<1	<1	1
17	TN	mg/L	Ave.	65.12	9.42	37.84	35.95	28.37	29.05	27.37	3.84	2.52	24.56
			Max.	79.4	9.81	54.3	53.75	38.7	49.3	35.9	6.11	3.74	47
			Min.	50.24	9.01	21.11	16.68	12.37	13.67	15.77	2.31	1.26	14.18
18	HCO3	mg/L	Ave.	639	338	550	543	568	514	501	297	241	466
			Max.	783	366	634	644	637	614	559	317	325	586
			Min.	527	315	458	454	507	455	452	275	160	382
19	MBAS	mg/L	Ave.	1.87	0.03	0.43	0.37	0.46	0.4	0.34	0.06	0.06	0.29
			Max.	13.8	0.05	0.82	0.54	0.58	0.97	0.62	0.16	0.18	0.6
			Min.	0.21	<0.01	0.03	0.03	0.07	0.02	0.06	<0.01	<0.01	0.04

No.	Parameter	Unit	Site	100	150	200	300	600	650	700	C0	C1	C2
			No of Samples	12	6	12	12	12	12	6	12	12	12
20	Cl	mg/L	Ave.	446	101	397	414	414	410	417	132	162	384
			Max.	500	114	487	467	469	474	485	147	198	464
			Min.	365	92	269	273	368	347	372	115	110	298
21	B	mg/L	Ave.	0.66	0.11	0.58	0.6	0.6	0.6	0.6	0.13	0.11	0.53
			Max.	0.85	0.11	0.68	0.72	0.71	0.72	0.73	0.16	0.13	0.67
			Min.	0.54	0.1	0.39	0.41	0.51	0.5	0.53	0.11	0.1	0.37
22	Br	mg/L	Ave.	1.2	0.5	1.2	1.3	1.1	1.2	1.1	0.9	1	1.2
			Max.	1.8	0.6	1.8	2	1.3	1.9	1.3	2	1.3	1.9
			Min.	0.8	0.4	0.9	0.8	0.8	0.9	0.8	0.6	0.5	0.9
23	Na	mg/L	Ave.	276	47	249	259	254	254	253	87	93	235
			Max.	344	48	308	305	298	299	300	96	113	296
			Min.	210	46	154	155	213	210	216	78	69	183
24	Mg	mg/L	Ave.	49	41	51	54	59	56	53	33	32	52
			Max.	54	45	59	72	78	72	71	38	36	60
			Min.	39	34	39	39	46	42	41	22	29	47
25	Ca	mg/L	Ave.	125	82	119	119	124	127	131	77	64	122
			Max.	143	91	136	140	199	162	180	96	79	138
			Min.	100	69	96	93	92	112	101	62	47	99
26	SAR	mg/L	Ave.	5.25	1.04	4.72	4.86	4.67	4.67	4.65	2.07	2.37	4.5
			Max.	6.38	1.07	5.75	5.67	5.5	5.5	5.54	2.27	3.13	5.49
			Min.	4.01	1.01	3.31	3.37	3.89	4.01	4.12	1.85	1.66	3.69
27	K	mg/L	Ave.	41	6	37	38	37	37	37	9	8	34
			Max.	53	7	44	44	42	44	43	11	11	43
			Min.	33	5	28	29	32	32	32	6	6	26
28	SO4	mg/L	Ave.	129	59	164	169	175	173	176	92	75	166
			Max.	150	83	226	253	387	206	220	116	100	196
			Min.	98	54	128	121	134	151	158	84	66	120
29	F	mg/L	Ave.	0.35	0.48	0.36	0.42			0.35			
			Max.	0.36	0.59	0.39	0.52			0.39			
			Min.	0.33	0.37	0.32	0.31			0.3			

No.	Parameter	Unit	Site	100	150	200	300	600	650	700	C0	C1	C2
			No of Samples	12	6	12	12	12	12	6	12	12	12
30	CN	mg/L	Ave.	<0.03	<0.03	<0.03	<0.03			<0.03			
			Max.										
			Min.										
31	Phenols	mg/L	Ave.		<0.005	<0.005				<0.005			
			Max.	0.007			0.01						
			Min.	<0.01			<0.005						
32	THBC	CFU/mL	Ave.	2.90E+06	4.02E+04	3.19E+05	1.60E+05	1.40E+05	3.31E+05	3.31E+05	1.08E+05	5.58E+04	4.19E+05
			Max.	1.50E+07	4.00E+05	2.65E+06	9.00E+00	2.85E+06	4.60E+06	6.90E+05	4.60E+06	3.70E+05	2.85E+06
			Min.	5.80E+05	2.98E+03	4.20E+02	2.00E+04	9.20E+03	2.30E+04	1.75E+00	7.80E+02	8.35E+03	1.10E+05
33	TCC	MPN/100mL	Ave.	6.52E+04	9.95E+03	3.56E+04	2.17E+03	5.11E+03	2.19E+04	2.04E+04	6.94E+03	1.11E+03	4.99E+04
			Max.	5.00E+05	2.40E+04	9.00E+05	1.70E+04	1.60E+05	9.00E+04	5.00E+04	1.60E+05	5.00E+03	1.60E+07
			Min.	1.70E+04	3.00E+03	1.10E+02	3.00E+01	8.00E+01	3.00E+03	9.00E+03	1.30E+03	3.00E+02	5.00E+03
34	TFCC	MPN/100mL	Ave.	3.36E+03	8.57E+02	6.64E+03	1.50E+02	3.73E+02	9.28E+02	2.43E+03	1.42E+03	2.38E+02	4.85E+03
			Max.	3.00E+04	5.00E+03	2.40E+05	1.30E+03	1.60E+05	5.00E+03	5.00E+03	5.00E+05	1.70E+03	2.20E+06
			Min.	4.00E+02	2.00E+02	1.10E+02	8.00E+00	4.00E+00	1.70E+02	5.00E+02	5.00E+02	4.00E+01	2.00E+02
35	Chlor.(a)	µg/L	Ave.	97.1	18.4	32.55	27.63	18.79	25.22	22.98	5.21	13.08	27.03
			Max.	279.1	90.7	134.5	65.2	50.7	73	50.6	25.7	34	57.6
			Min.	2.7	2.7	4.5	2.1	3.5	6.7	0	1.9	3.2	7.9
36	Mematodes	Eggs/L	Ave.	0	0	0	0	0	0	0	0	0	0
			Max.										
			Min.										

Table A-I-9 WAJ Drinking Water Quality Monitoring Results at Pump Stations and Reservoirs (1995-2000)

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.	
		Unit	µS/cm	-	meq/L								mg/L	MPN/100ml					
(I) Amman Governorate																			
AM1	Ain Ghazal Pump Station	Count	14	14	11	11	11	11	11	11	11	11	14	173	173	0	0	0	
		Maximum	1278	8	6.7	3.67	4.4	0.29	6.58	2.08	0	5.58	85.94	2	16				
		Minimum	571	7.03	2.65	1.83	0.6	0.03	0.91	0.12	0	2.44	4.92	0	2				
		Average	1051.23	7.65	4.08	2.79	3.34	0.22	4.80	1.29	0.00	3.77	33.52	1.57					
AM2	Al-Muqqar P.S	Count	14	14	12	12	12	12	12	12	12	12	14	34	34	3	4	1	
		Maximum	793	8.22	321	4.43	2.16	0.4	3.02	1.66	0	4.1	1.2	2	<2.2	>8	>8	<2.2	
		Minimum	694	7.64	1.26	1.27	1.94	0.04	2.15	0.36	0	3.01	0	1	<1.1	2	2	<2.2	
		Average	740.79	7.98	29.27	2.30	2.04	0.09	2.55	1.15	0.00	3.53	0.39	1.81					
AM3	Al-Taj Pump Station	Count	88	91	65	65	65	65	69	65	65	65	89	1105	1109	6	10	88	
		Maximum	1390	8.15	5.65	3.81	4.33	0.99	7.69	2.21	0	5.16	87.71	2.2	501	300	≥1600	16	
		Minimum	835	7.14	2.21	1.48	2.5	0.14	3.15	0.02	0	2.23	8.8	0.6	<1.1	2	2	<1.1	
		Average	1059.36	7.49	4.00	2.50	3.47	0.23	4.66	1.07	0.00	3.70	46.70	1.62					
AM4	Dabouk Booster	Count	135	139	75	75	75	75	76	75	75	75	134	1356	1328	6	7	53	
		Maximum	2890	8.16	3.88	3.44	8.03	0.26	5.6	3.22	0	4.63	28.29	4	23	16	16	16	
		Minimum	838	6.68	1.94	2.24	2.65	0.17	2.49	1.33	0	1.58	1.2	0	0	<1.1	<1.1	<1.1	
		Average	1036.31	7.58	2.97	2.71	4.13	0.21	4.53	1.94	0.00	3.32	8.24	1.07					
AM5	Qastal Pump Station	Count	83	83	50	50	50	50	51	50	50	50	81	130	130	2	3	10	
		Maximum	1222	7.89	5.22	3.77	4.15	0.13	4.9	2.59	0	5.68	31.07	2.2	16	16	16	<2.2	
		Minimum	717	7.14	3.62	1.52	1.5	0.05	1.93	0.42	0	4.37	0.96	0.5	<1.1	1.2	2	<1.1	
		Average	1112.67	7.50	4.38	3.20	3.62	0.09	4.20	1.85	0.00	5.10	6.25	1.46					
AM6	Racing Club Pump Station	Count	48	48	45	45	45	45	45	44	45	45	48	627	629	2	4	39	
		Maximum	1071	8.27	5.95	2.76	4.73	0.3	4.74	0.96	0	5.16	87.05	2	3	<2.2	4	23	16
		Minimum	903	6.96	3.59	0.77	2.22	0.09	3.05	0.27	0	4.14	29.65	0.3	<1.1	2	2	<1.1	
		Average	968.21	7.38	4.79	2.06	2.53	0.14	3.46	0.53	0.00	4.63	56.99	1.49					

SA4-38

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.
		Unit	μS/cm	-	meq/L								mg/L		MPN/100ml			
AM7	Shmasani Pump Station	Count	11	11	6	6	6	6	6	6	6	6	11	100	96	0	0	4
		Maximum	1074	8.08	3.84	2.99	4.44	0.24	5.38	3.33	0	4.55	33.02	2.5	16			< 2.2
		Minimum	902	7.59	2.06	2.54	3.56	0.15	3.33	1.82	0	2.46	2	0.2	< 1.1			< 2.2
		Average	983.82	7.81	2.90	2.68	4.06	0.20	4.45	2.22	0.00	3.22	10.55	0.95				
AM8	Southern Amman Pump Station	Count	14	14	11	11	11	11	11	11	11	11	14	52	52	0	0	9
		Maximum	978	7.9	4.52	3.66	3.02	0.2	3.45	1.68	0	5.17	26.96	1.5	16			9.2
		Minimum	890	6.82	3.42	2.4	2.2	0.15	2.5	1.24	0	4.47	6.42	0	< 1.1			< 2.2
		Average	922.36	7.61	4.09	2.69	2.52	0.16	2.75	1.47	0.00	4.73	22.41	1.02				
AM9	Swaqa Pump Station	Count	9	9	6	6	6	6	6	6	6	6	9	10	10	0	1	0
		Maximum	1207	7.94	4.68	3.68	4.1	0.11	4.78	2.38	0	5.41	6.34	3.5	< 2.2			2
		Minimum	1056	7.3	4.37	3	3.77	0.09	3.66	1.65	0	4.99	1.6	1.2	< 2.2			2
		Average	1153.33	7.59	4.50	3.28	3.93	0.10	4.39	2.05	0.00	5.22	3.56	1.90				
AM10	Um Al-Heran Pump Station	Count	34	34	24	24	24	24	24	24	24	24	34	75	76	0	0	7
		Maximum	1194	8.07	5.02	4.05	3.8	0.12	4.5	4.09	0	5.56	11.52	2	9.2			9.2
		Minimum	941	7.25	2.59	2.7	3.1	0.09	3.51	1.32	0	3.83	2.58	0.7	< 1.1			1.5
		Average	1085.09	7.54	4.24	3.19	3.48	0.10	4.04	1.93	0.00	5.02	6.93	1.29				
AM11	Wadi Sir Pump Station	Count	92	99	49	49	49	49	49	48	49	49	102	479	499	91	90	51
		Maximum	1069	8.2	5.73	3.3	4.32	0.25	5.07	2.36	0	4.91	70.66	2.8	>=1600	>=1600	>=1600	>=1600
		Minimum	673	2.71	0.76	1.13	0.9	0.04	0.5	0.08	0	0.49	3.66	0.2	< 1.1	< 2.2	2	2
		Average	868.28	7.62	3.54	2.23	2.76	0.16	2.96	1.30	0.00	3.90	24.57	1.29				
AM12	Waha Booster	Count	52	53	34	34	34	34	34	34	34	34	52	1105	1070	2	5	86
		Maximum	1068	8.18	3.62	3.33	4.6	0.25	5.61	2.14	0	4.46	24.58	1.8	23	5.1	16	16
		Minimum	827	7.35	2.1	1.37	2.65	0.019	2.03	0.3	0	2.38	2.58	0	< 1.1	5.1	< 1.1	< 1.1
		Average	979.56	7.71	2.84	2.55	3.88	0.20	4.22	1.71	0.00	3.32	8.45	0.96				
AM13	Al-Ashrafieh Reservoir	Count	31	30	20	20	20	20	20	20	20	20	31	204	205	0	0	13
		Maximum	1166	7.96	4.98	4.1	3.87	0.25	5.9	1.62	0	4.48	73.39	2	16			16
		Minimum	884	7.26	1.84	1.56	2.97	0.15	3.7	0.74	0	3.15	34.8	0.2	< 1.1			< 1.1
		Average	1044.61	7.55	3.96	2.56	3.39	0.21	4.48	1.08	0.00	3.77	49.57	1.25				

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.	
		Unit	μS/cm	-	meq/L								mg/L		MPN/100ml				
AM14	Al-Kharabsheh Reservoir	Count	64	63	35	35	35	35	35	35	35	35	35	62	699	638	1	0	38
		Maximum	1099	8.29	3.41	7.85	4.68	0.25	5.28	2.12	0	4.49	48.96	2	23	16		16	
		Minimum	831	7.2	2	2.35	2.96	0.14	2.86	1.27	0	2.22	2.12	0	1	16		0	
		Average	998.72	7.91	2.72	2.87	4.04	0.20	4.66	1.78	0.00	3.05	10.59	0.77					
AM15	Al-Rasheed Reservoir	Count	29	31	17	17	17	17	17	17	17	17	17	29	427	406	2	0	36
		Maximum	1049	8.32	3.44	3.12	4.47	0.25	5.07	2.08	0	4.75	15.06	5.5	> 80	5.1		16	
		Minimum	837	7.57	2.06	2.12	3.02	0.14	2.67	1.49	0	2.4	2.43	0	< 1.1	< 2.2		< 1.1	
		Average	970.17	7.99	2.75	2.64	3.84	0.21	4.24	1.70	0.00	3.33	9.17	0.71					
AM16	Hay Nazzal Reservoir	Count	12	12	8	8	8	8	8	8	8	8	8	12	30	30	0	0	3
		Maximum	1151	8.18	4.49	2.53	3.22	0.46	3.8	2.07	0	4.04	44.36	1.2	16			< 2.2	
		Minimum	832	7.17	3.26	1.33	2.07	0.13	2.8	0.69	0	3.45	2.66	0.4	< 1.1			< 2.2	
		Average	920.17	7.64	3.89	1.98	2.71	0.21	3.21	1.24	0.00	3.77	30.60	0.77					
AM17	Industrial Estate Reservoir	Count	23	23	15	15	15	15	15	15	15	15	15	23	42	42	0	0	6
		Maximum	1154	8.19	4.72	4.26	3.71	0.15	4.48	4.41	0	5.3	26.4	1.7	16			16	
		Minimum	866	7.31	2.96	2.63	2.88	0.06	3.28	1.2	0	3.97	3.3	0.6	< 1.1			< 2.2	
		Average	1056.17	7.82	4.10	3.18	3.36	0.10	3.97	1.97	0.00	4.80	8.78	1.05					
AM18	Joufeh Reservoir	Count	59	51	24	24	24	24	24	24	24	24	24	55	89	90	0	1	12
		Maximum	971	7.8	5.2	2.83	1.62	0.12	2.32	2.39	0	4.69	50.42	3	16			2	16
		Minimum	677	6.63	3.47	1.14	1.37	0.06	1.39	0.52	0	4	0	0.6	< 1.1			2	< 1.1
		Average	724.07	7.18	3.90	2.04	1.49	0.10	1.58	1.48	0.00	4.30	1.61	1.38					
AM19	Marka Main Reservoir	Count	17	17	11	11	12	12	11	11	11	11	11	17	90	89	0	0	6
		Maximum	1332	8.2	3.32	4.32	4.61	0.25	7.47	2.26	0	2.99	30.12	2	16			5.1	
		Minimum	940	7.62	2.04	2.28	3.83	0.16	4.3	1.43	0	1.91	14.46	0.7	< 1.1			< 2.2	
		Average	1073.82	7.98	2.65	2.95	4.23	0.22	5.57	1.86	0.00	2.42	20.50	1.34					
AM20	Um-Othainah Reservoir	Count	35	36	21	21	21	21	21	21	21	21	21	35	283	286	0	0	14
		Maximum	1462	8.2	3.5	3.25	4.51	3.11	5.39	2.13	0	4.25	14.47	2.9	23			23	
		Minimum	899	7.27	2.06	0.19	3.01	0.12	2.9	1.32	0	2.36	2.63	0	< 1.1			< 1.1	
		Average	1023.26	7.64	2.70	2.55	4.02	0.35	4.47	1.83	0.00	3.21	7.63	1.02					

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.
		Unit	μS/cm	-	meq/L									mg/L		MPN/100ml		
AM21	Yajuz Pump Station	Count	52	52	30	30	30	30	30	30	30	30	52	116	115	0	1	4
		Maximum	1061	8.04	4.64	3.15	3.46	0.2	4.49	3.55	0	5.2	48.73	2.8	9.2		< 2.2	< 2.2
		Minimum	8	7.25	2.43	1.7	1.37	0.06	1.77	0.4	0	2.39	2.92	0.5	< 1.1		< 2.2	< 1.1
		Average	873.63	7.57	3.75	2.47	2.69	0.15	3.28	0.93	0.00	4.32	28.19	1.52				
AM22	Dabouq Reservoir Outlet	Count	183	187	114	113	114	116	115	114	113	114	180	1206	1143	1	3	25
		Maximum	1190	7.95	5.03	3.34	4.71	4.73	5.55	3.19	2.73	5.08	26.19	9.8	23	16	16	9.2
		Minimum	756	6.69	1.9	1.43	0.2	0.15	1.78	0	0	1.95	1.15	0	0	16	< 1.1	0
		Average	1032.60	7.58	2.99	2.68	4.11	0.24	4.58	1.93	0.02	3.29	8.10	0.77				
AM23	Swaqa Dam Effluent	Count	14	16	14	14	14	14	14	14	14	14	14	3	3	3	2	0
		Maximum	1248	8.41	4.39	3.47	5.34	0.5	4.64	2.34	0.44	5.24	36.9	2	< 2.2	70	170	
		Minimum	277	7.2	0.68	0.74	0.99	0.06	0.4	0.1	0	1.97	0.31	1.8	< 1.1	2	16	
		Average	674.64	7.97	1.90	1.65	3.11	0.30	1.69	0.84	0.05	3.76	12.07	1.90				
AM24	Swaqa Reservoir	Count	46	46	27	27	27	27	27	27	27	27	45	65	75	8	13	11
		Maximum	1343	7.77	4.84	3.67	5	0.15	5.72	2.42	0	5.6	21.5	2	23	14	220	30
		Minimum	620	6.78	4.12	1.44	0.11	0.01	0.99	0.37	0	4.69	0.44	0.8	0	2	2	< 1.1
		Average	1143.65	7.46	4.47	3.20	3.53	0.09	4.25	1.88	0.00	5.16	3.77	1.59				
(2) Zarqa Governorate																		
ZQ1	Alouk Pump Station	Count	46	40	17	17	17	17	17	17	17	17	46	83	83	0	0	1
		Maximum	1222	8.2	4.55	4.22	3.73	10.15	5.19	1.59	0	5.41	59.8	2	< 2.2			< 2.2
		Minimum	1058	7.25	3.96	3.63	3.18	0.11	4.34	0.79	0	4.61	34.31	0.4	< 1.1			< 2.2
		Average	1164.80	7.61	4.23	3.89	3.44	0.75	4.75	1.14	0.00	5.04	48.50	1.28				
ZQ2	Azraq Pump Station	Count	72	64	36	36	36	36	36	36	36	36	71	132	134	1	2	8
		Maximum	833	8.26	2.92	1.99	4.97	0.25	3.86	3.25	0	3.09	15.99	2.5	16	2	13	> 8
		Minimum	470	7.59	0.99	0.8	1.99	0.11	1.12	0.92	0	1.76	4.07	0.3	< 1.1	2	< 2.2	< 1.1
		Average	736.86	7.98	1.31	1.13	4.31	0.21	3.29	1.54	0.00	2.03	7.79	1.53				
ZQ3	Hashmeya Booster No.2	Count	1	0	0	0	0	0	0	0	0	0	1	5	5	0	0	0
		Maximum	840	0	0	0	0	0	0	0	0	0	11.29	1.5	< 2.2			
		Minimum	840	0	0	0	0	0	0	0	0	0	11.29	1.2	< 1.1			
		Average	840.00										11.29	1.44				

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.	
		Unit	μS/cm	-	meq/L									mg/L	MPN/100ml				
ZQ4	Qunayya Pump Station	Count	42	37	21	21	21	21	21	21	21	21	21	42	63	66	2	4	2
		Maximum	806	8.2	3.53	3.02	2.33	0.12	2.93	0.96	0	4.69	50.8	1.7	16	170	170	> 8	
		Minimum	414	7.1	2.57	2.19	1.35	0.08	1.74	0.12	0	3.72	13.38	0.7	< 1.1	170	2	< 2.2	
		Average	707.29	7.53	3.12	2.45	1.52	0.10	1.95	0.55	0.00	4.06	42.38	1.36					
ZQ5	Russeifa Booster No.11	Count	28	27	18	18	18	18	18	18	18	18	18	28	73	72	0	2	2
		Maximum	1200	7.81	4.33	3.26	3.4	0.2	4.91	1.5	0	5.16	42.34	2	16	< 2.2	16		
		Minimum	687	6.82	2.29	1.96	1.74	0.1	1.77	0.51	0	3.13	3.66	0.8	< 1.1	< 2.2	< 2.2		
		Average	920.96	7.46	3.37	2.61	2.80	0.15	3.44	0.92	0.00	4.14	24.51	1.53					
ZQ6	Russeifa Booster No.4	Count	86	63	25	25	24	24	26	24	24	24	24	89	304	303	0	0	16
		Maximum	1718	8.07	6.62	6.67	7.05	0.28	8.8	2.99	0	5.61	70.8	1.8	16			16	
		Minimum	1167	7	3.29	1.94	4.38	0.023	6.32	0.29	0	3.32	26.45	0	< 1.1			< 1.1	
		Average	1527.84	7.35	5.27	3.18	6.14	0.23	7.79	1.46	0.00	4.70	48.61	1.36					
ZQ7	Sarrou Pump Station	Count	53	48	20	20	20	20	20	20	20	20	20	53	92	93	3	3	3
		Maximum	1005	8.16	3.69	4.16	2.77	0.13	3.89	1.36	0	4.84	51.96	3	5.1	14	50	< 2.2	
		Minimum	949	7.35	3.08	3.45	2.47	0.07	3.32	0.62	0	4.17	34.29	0.8	< 1.1	4	7	2	
		Average	978.08	7.87	3.40	3.71	2.62	0.10	3.62	0.88	0.00	4.56	44.26	1.41					
ZQ8	Um Rumaneh Booster	Count	74	61	23	23	23	23	23	23	23	23	23	74	101	102	0	1	1
		Maximum	8387	8.33	4.58	4.26	3.09	0.18	4.23	1.74	0	5.27	45.24	2	> 80	< 2.2	16		
		Minimum	722	7.25	2.5	1.72	2.26	0.05	2.47	0.22	0	0.65	1.72	0.3	< 1.1	< 2.2	16		
		Average	953.74	7.83	3.17	2.94	2.51	0.10	2.94	0.96	0.00	4.33	19.60	1.26					
ZQ9	Zarqa Pump Station	Count	184	142	33	33	33	34	33	33	33	32	182	518	523	0	0	19	
		Maximum	3020	8.19	6.97	4.21	9.39	11.22	10.5	7.37	0	3.3	67.2	2.4	16			16	
		Minimum	783	5.7	1.61	1.93	0.23	0.1	4.3	1.61	0	2	2.21	0.1	< 1.1			< 2.2	
		Average	1506.93	7.46	3.34	3.02	6.57	0.57	7.53	2.78	0.00	2.85	24.23	1.47					
ZQ10	Awajan Well No.21	Count	101	71	34	34	32	32	35	32	32	32	102	239	239	0	1	12	
		Maximum	1980	7.9	7.06	4.59	9.19	15.44	10.39	2.89	0	6.22	68.45	2.6	22	< 1.1	16		
		Minimum	1027	6.76	5.33	1.99	0.23	0.15	7.72	0.86	0	2.32	46.23	0.7	< 1.1	< 1.1	2		
		Average	1737.08	7.30	6.31	3.45	6.51	0.71	8.89	1.57	0.00	5.32	58.35	1.50					

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.
		Unit	µS/cm	-	meq/L								mg/L		MPN/100ml			
ZQ11	Awajan well No.22	Count	98	67	35	36	34	34	37	34	34	34	98	232	232	0	2	13
		Maximum	1890	7.65	7.32	4.19	7.96	16.1	10.8	2.39	0	5.86	70.75	2	16	< 1.1	9.2	
		Minimum	1546	6.88	5.8	2.76	0.23	0.15	7.32	0.63	0	4.62	50.22	1	< 1.1	< 1.1	< 2.2	
		Average	1747.01	7.27	6.35	3.40	6.60	0.69	9.06	1.41	0.00	5.34	61.79	1.50				
(3) Irbid Governorate																		
IR1	Husun Pump Station	Count	9	9	7	7	8	8	7	7	7	7	8	10	10	0	0	0
		Maximum	863	7.95	5.04	3.8	3.08	0.12	2.92	1.25	0	6.92	13.36	1.4	< 2.2			
		Minimum	662	7.14	1.31	1.71	0.8	0.05	1.06	0.83	0	2.19	1.2	0.8	< 1.1			
		Average	790.89	7.67	4.32	2.80	1.31	0.07	1.40	1.06	0.00	5.78	8.63	1.09				
IR2	Al-Tayba Pump Station	Count	22	22	13	13	13	13	13	13	13	13	21	22	22	0	0	1
		Maximum	1704	7.98	5.29	3.05	1.31	0.12	1.31	1.54	0	6.53	16.79	1.6	> 8		< 1.1	
		Minimum	615	7.25	2.82	2.1	0.91	0.05	0.87	0.63	0	4.69	2.35	1	< 1.1		< 1.1	
		Average	750.59	7.60	3.77	2.72	1.13	0.09	1.03	1.01	0.00	5.52	6.36	1.30				
IR3	Bushra P.S	Count	30	30	26	26	26	26	26	26	26	26	30	38	3> 8	0	2	1
		Maximum	1149	8.08	4.58	2.73	2	0.11	2.01	1.1	0	6.07	23.69	1.8	2> 8		< 2.2	< 1.1
		Minimum	767	7	3.86	1.77	1.71	0.05	1.69	0.59	0	5.01	11.62	0.8	< 1.1		< 1.1	< 1.1
		Average	836.67	7.44	4.25	2.41	1.84	0.08	1.84	0.81	0.00	5.65	16.43	1.36				
IR4	Doqara P.S	Count	13	13	8	8	8	8	8	8	8	8	13	14	14	0	0	0
		Maximum	765	7.8	4.36	4.47	1.23	0.09	1.63	0.97	0	5.46	24.51	2	< 2.2			
		Minimum	718	7.22	1.45	2.27	1.08	0.06	1.37	0.52	0	4.85	21.12	1.1	< 1.1			
		Average	747.69	7.50	3.85	2.69	1.15	0.08	1.47	0.71	0.00	5.20	22.72	1.43				
IR5	Harema Pump Station	Count	33	33	26	26	26	26	26	26	26	26	33	40	41	0	0	0
		Maximum	839	8.02	4.96	2.77	4.6	0.11	1.79	1.06	0	6.18	19.64	2	< 2.2			
		Minimum	790	7.05	4.04	1.63	1.53	0.05	1.5	0.48	0	5.39	9.27	1.2	< 1.1			
		Average	812.88	7.49	4.51	2.27	1.74	0.09	1.65	0.82	0.00	5.80	14.58	1.52				
IR6	Hofa Pump Station	Count	55	55	35	35	35	35	35	35	35	35	55	80	81	0	0	5
		Maximum	869	8.15	5.47	3.2	1.24	0.5	1.53	1.71	0.6	6.82	25.9	1.5	16		< 2.2	
		Minimum	602	6.98	3.82	1.78	0.53	0.05	0.72	0.37	0	4.65	0.62	0.7	< 1.1		< 1.1	
		Average	805.18	7.75	4.93	2.66	0.98	0.09	1.14	1.17	0.02	6.21	5.47	1.09				

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.	
		Unit	µS/cm	-	meq/L									mg/L		MPN/100ml			
IR7	Juhfiya P.S	Count	23	23	13	13	13	13	13	13	13	13	13	22	23	23	1	2	4
		Maximum	601	8.04	3.83	3.34	0.65	0.09	1.79	0.89	0	4.72	35	1.7	16	2	70	5.1	
		Minimum	459	7.13	1.45	1.29	0.2	0.05	0.63	0.04	0	1.2	22.9	0	< 1.1	2	2	< 1.1	
		Average	555.57	7.58	3.45	1.81	0.52	0.07	0.84	0.24	0.00	4.21	27.89	1.28					
IR8	Kufer Yuba Pump Station	Count	20	20	15	15	15	15	15	15	15	15	19	24	24	0	0	2	
		Maximum	640	7.93	4.6	2.45	0.74	0.05	0.92	0.84	0	5.1	21.98	1.8	> 8			< 2.2	
		Minimum	487	7.25	3.09	1.42	0.49	0.02	0.69	0.02	0	3.99	15.54	1	< 1.1			< 1.1	
		Average	563.70	7.65	3.55	1.80	0.65	0.04	0.78	0.39	0.00	4.53	18.64	1.46					
IR9	Nu'ayma Pump Station	Count	30	30	18	18	18	18	18	18	18	18	29	40	39	0	0	3	
		Maximum	827	8.03	4.91	3.15	3.52	0.11	1.86	1.29	0	6.73	44.71	2	16			16	
		Minimum	620	7.08	3.22	2	0.82	0.07	1.1	0.2	0	4.1	1.33	0.2	< 2.2			< 2.2	
		Average	688.59	7.65	4.02	2.29	1.10	0.09	1.27	0.63	0.00	4.95	29.26	1.32					
IR10	Rahub Pump Station	Count	52	52	38	38	38	38	39	38	38	38	52	59	63	16	18	5	
		Maximum	849	7.94	4.79	2.4	1.96	0.11	2.01	0.9	0.17	5.82	36.5	2	150	>=1600	>=1600	>=1600	
		Minimum	541	6.96	2.69	0.65	1.16	0.03	1.37	0	0	2.92	1.2	0.7	< 1.1	2	2	< 1.1	
		Average	634.22	7.56	3.48	1.28	1.67	0.06	1.64	0.52	0.01	3.96	21.11	1.25					
IR11	Saham P.S	Count	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	
		Maximum	747	7.55	3.12	2.93	1.76	0.17	1.76	0.73	0	5.59	6.8	1.2	< 2.2				
		Minimum	682	7.43	2.94	2.81	1.23	0.05	1.03	0.5	0	5.29	0	0.5	< 1.1				
		Average	714.50	7.49	3.03	2.87	1.50	0.11	1.40	0.62	0.00	5.44	3.40	0.85					
IR12	Samad Pump Station	Count	18	18	11	11	11	11	11	11	11	11	17	29	31	0	0	4	
		Maximum	859	8.31	5.33	3.18	1.17	0.1	8.05	1.62	0.28	6.82	21.63	1.9	16			< 2.2	
		Minimum	193	7.38	4.02	2.45	0.7	0.06	0.89	0.59	0	5.2	0.89	0.8	< 1.1			< 1.1	
		Average	755.72	7.84	4.80	2.85	1.01	0.08	1.75	1.19	0.03	6.30	6.17	1.09					
IR13	Al-Turra Reservoir	Count	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	
		Maximum	820	7.8	2.77	2.66	2.76	0.1	3.28	0.93	0	3.84	5.64	0.8	< 2.2				
		Minimum	820	7.8	2.77	2.66	2.76	0.1	3.28	0.93	0	3.84	5.64	0.8	< 2.2				
		Average	820.00	7.80	2.77	2.66	2.76	0.10	3.28	0.93	0.00	3.84	5.64	0.80					

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.
		Unit	μS/cm	-	meq/L								mg/L		MPN/100ml			
IR14	Kuraymeh Reservoir	Count	40	41	24	24	24	24	24	24	24	24	40	51	51	1	1	6
		Maximum	1484	8.8	11.07	7.5	3.3	0.52	4.36	7.19	0	5.72	14	2.4	16	2	2	9.2
		Minimum	940	7.01	3.92	3.86	2.16	0.22	2.58	2.47	0	4.56	3.53	0	< 1.1	2	2	< 1.1
		Average	1109.80	7.48	4.70	4.59	2.37	0.31	2.84	3.62	0.00	5.05	8.88	1.25				
IR15	Shuna Shamaliya Reservoir	Count	30	28	16	16	16	16	16	16	16	16	30	36	36	0	0	2
		Maximum	870	7.87	5.33	3.02	1.63	0.12	1.99	1.25	0	6.72	58.65	2.2	16			< 2.2
		Minimum	764	6.91	1.82	2.08	0.8	0.05	1.05	0.12	0	2.92	3.3	0.5	< 1.1			< 2.2
		Average	813.43	7.41	4.78	2.64	1.05	0.08	1.34	0.70	0.00	6.29	12.33	1.25				
IR16	Zabda Reservoir	Count	72	72	47	47	47	47	48	47	48	48	71	94	93	1	0	9
		Maximum	934	7.91	6.08	3.67	1.29	0.12	1.6	1.7	0	6.87	16.83	1.7	16	5.1		16
		Minimum	578	7	3.7	0.9	0.01	0.05	1.02	1.03	0	3.96	0.62	0.9	< 1.1	5.1		< 1.1
		Average	837.24	7.49	5.13	2.84	1.04	0.08	1.18	1.28	0.00	6.45	3.65	1.26				
IR17	Eyoun El-Hammam Pump Station	Count	47	47	37	37	38	38	38	37	36	37	47	52	52	3	6	8
		Maximum	829	7.75	7.52	5.33	0.9	0.08	1.3	0.9	0	7.1	27.88	2	16	9.2	16	16
		Minimum	756	7	2.6	1.64	0.7	0.03	0.68	0.09	0	4.13	10.42	0.5	< 1.1	2	2	< 1.1
		Average	788.98	7.39	5.37	2.32	0.78	0.06	1.04	0.54	0.00	6.47	16.78	1.48				
IR18	Hakama Pump Station	Count	8	8	6	6	6	6	6	6	6	6	8	9	> 8	1	1	2
		Maximum	850	8.19	4.57	6.49	1.92	0.12	1.9	1.62	0	5.72	17.72	1.8	30	< 2.2	9.2	< 2.2
		Minimum	800	7.1	4.18	1.83	1.71	0.07	1.62	0.74	0	4.5	14.61	1	< 2.2	< 2.2	9.2	2
		Average	827.38	7.58	4.36	2.95	1.82	0.10	1.81	1.02	0.00	5.38	16.55	1.42				
IR19	Al-Mahasi Reservoir	Count	27	27	19	19	19	19	19	19	19	19	27	34	34	0	0	5
		Maximum	1609	8.21	5.04	3.23	6.48	6.09	9.2	1.32	0	5.06	103.88	2	16			< 2.2
		Minimum	644	7.48	1.23	1.58	1.69	0.03	1.77	0.6	0	2	0.3	0	< 1.1			< 1.1
		Average	918.37	7.86	2.81	2.41	3.15	0.47	3.64	0.93	0.00	3.61	23.24	1.19				
(4) Ajloun Governorate																		
AJ1	Ain Janna Pump Station	Count	51	51	28	28	28	28	28	28	28	28	51	64	66	3	5	4
		Maximum	781	7.94	5.21	3.27	0.83	0.1	6.86	0.47	0	5.99	34.3	2.2	> 80	< 2.2	70	< 2.2
		Minimum	590	7.06	3.03	0.96	0.41	0.01	0.5	0	0	4.67	6.07	0.2	< 1.1	2	< 2.2	< 1.1
		Average	644.63	7.52	4.69	1.52	0.52	0.03	1.04	0.31	0.00	5.54	13.64	1.24				

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.	
		Unit	µS/cm	-	meq/L								mg/L		MPN/100ml				
AJ2	Al-Qantara Pump Station	Count	25	25	16	17	17	17	17	17	17	17	17	25	82	96	34	34	17
		Maximum	743	7.95	5.17	2.07	1.06	0.26	3.23	0.75	0	5.51	47.84	2.5	>=1600	>=1600	>=1600	>=1600	
		Minimum	625	6.97	3.23	1.29	0.65	0.07	0.77	0.22	0	4.11	7.3	0.8	< 1.1	< 1.1	< 1.1	< 2.2	
		Average	691.12	7.46	4.54	1.64	0.83	0.15	1.12	0.44	0.00	5.21	30.45	1.50					
AJ3	Al-Tannour P.S	Count	11	11	8	8	7	7	8	8	8	8	11	13	13	6	6	0	
		Maximum	784	7.84	5.36	2.94	0.61	0.07	1.02	0.54	0	24.52	31.77	1.7	< 2.2	>=1600	>=1600		
		Minimum	661	7.31	3.9	1.56	0.58	0.05	0.68	0.06	0	5.07	5.76	0.7	< 1.1	2	23		
		Average	680.45	7.49	4.54	2.10	0.60	0.06	0.79	0.32	0.00	8.03	21.50	1.27					
AJ4	Anjara Pump Station	Count	40	40	18	18	18	18	18	18	18	18	40	44	46	2	2	0	
		Maximum	694	8.06	4.6	2.05	0.99	0.09	3.7	0.6	0	5.41	71.45	2.5	< 2.2	70	>=1600		
		Minimum	493	6.99	3.57	0.78	0.43	0	0.74	0	0	3.06	17.7	0.4	2	< 2.2	2		
		Average	575.10	7.66	3.91	1.18	0.70	0.04	1.10	0.35	0.00	3.83	41.36	1.15					
AJ5	Ba'oun Res./Ajloun	Count	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	
		Maximum	0	0	0	0	0	0	0	0	0	0	0	1.5	< 2.2				
		Minimum	0	0	0	0	0	0	0	0	0	0	0	1.5	< 2.2				
		Average												1.50					
AJ6	Eshtafena Pump Station	Count	54	54	32	32	32	32	32	32	32	32	54	71	71	0	0	8	
		Maximum	780	7.64	4.73	3.88	1.14	0.13	1.29	1.21	0	5.74	32.34	1.9	16			2.6	
		Minimum	624	7.1	2.35	1.27	0.51	0.04	0.66	0.14	0	4.53	21.4	0.3	< 1.1			< 1.1	
		Average	681.46	7.42	4.34	1.97	0.72	0.08	0.91	0.40	0.00	5.31	26.82	1.26					
AJ7	Kufranja Pump Station	Count	29	29	17	17	17	17	17	17	17	17	29	37	38	0	0	2	
		Maximum	709	7.97	5.04	2.18	0.95	0.19	3.09	0.65	0	5.69	44.3	1.8	2.2			< 2.2	
		Minimum	602	7.07	3.09	1.03	0.6	0	0.54	0.15	0	4.15	4.13	0.5	2.2			< 2.2	
		Average	673.69	7.63	4.43	1.74	0.76	0.10	1.06	0.36	0.00	5.20	29.58	1.19					
AJ8	Rasoun Pump Station	Count	40	40	24	24	24	24	24	24	24	24	40	50	51	9	9	9	
		Maximum	732	8.22	5.22	2.51	0.64	0.1	0.98	0.78	0	6.58	44.74	2.5	1600	>=1600	>=1600	>=1600	
		Minimum	608	6.98	4.3	0.93	0.5	0.02	0.68	0	0	4.72	12.2	0.6	1.1	2	< 2.2	< 1.1	
		Average	703.10	7.32	4.91	1.85	0.57	0.05	0.84	0.36	0.00	5.70	27.11	1.46					

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.	
		Unit	μS/cm	-	meq/L								mg/L		MPN/100ml				
AJ9	Zqeiq P.S No.3	Count	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	
		Maximum	221	7.52	0	0	0	0	0	0	0	0	0	29.06	1.5	2.2			
		Minimum	221	7.52	0	0	0	0	0	0	0	0	0	29.06	1.5	2.2			
		Average	221.00	7.52										29.06	1.50				
AJ10	Zqeiq P.S No.4	Count	22	22	16	16	16	16	16	16	16	16	22	30	30	7	8	3	
		Maximum	739	8.04	4.62	2.56	1.04	0.11	1.32	0.92	0	5.39	30	1.8	16	110	516	<2.2	
		Minimum	661	7.25	3.27	1.43	0.9	0.07	0.79	0.26	0	4.69	26.89	0.5	<1.1	2	2	<2.2	
		Average	706.64	7.63	4.01	2.29	0.97	0.10	1.18	0.51	0.00	5.11	28.51	1.22					
AJ11	Al-Balawneh Reservoir	Count	47	46	26	26	26	26	26	26	26	26	46	56	55	0	0	6	
		Maximum	1130	8.08	4.53	4.84	2.83	0.24	3.13	3.81	0	5.15	22.81	2.2	16			<2.2	
		Minimum	839	7.23	1.84	2.9	2.29	0.12	2.61	2.37	0	3.62	11.11	0.5	<1.1			<1.1	
		Average	1006.79	7.59	3.94	3.89	2.53	0.18	2.79	2.85	0.00	4.66	17.51	1.45					
AJ12	Um Qasem Pump Station	Count	14	14	12	12	12	12	12	12	12	12	14	18	1>8	1	1	1	
		Maximum	752	8.06	4.81	3.13	1.44	0.12	1.48	0.71	0	5.32	34.28	3	>8	<1.1	4.6	<1.1	
		Minimum	679	7.5	2.93	1.55	1.16	0.09	1.28	0.55	0	4.67	22.5	1	<1.1	<1.1	4.6	<1.1	
		Average	717.14	7.70	3.27	2.81	1.31	0.11	1.39	0.62	0.00	4.98	26.36	1.61					
AJ13	Wadi Rajeb Pump Station	Count	68	51	30	30	30	30	30	30	30	30	66	89	88	0	0	0	
		Maximum	1505	8	10	5.94	4.05	3.4	4.16	6.66	0	6.57	23.26	3.5	16				
		Minimum	905	7.1	3.42	3.78	2.4	0.11	2.69	2.75	0	4.5	1.12	0	<1.1				
		Average	1161.25	7.35	5.06	4.80	3.22	0.41	3.22	4.56	0.00	5.18	11.36	2.00					
(5) Jerash Governorate																			
JR1	Al-Deek & Al-Tais Pump Station	Count	48	47	29	29	29	29	29	29	29	29	48	127	134	18	20	20	
		Maximum	700	8.06	4.67	2.4	1.78	0.11	1.21	0.76	0	5.08	36.65	3	>=1600	900	>=1600	300	
		Minimum	566	7.14	3.76	1	0.4	0.03	0.66	0.18	0	4.25	12.62	0	<1.1	2	2	<1.1	
		Average	620.06	7.47	4.24	1.60	0.72	0.07	0.98	0.45	0.00	4.73	23.35	1.41					
JR2	Al-Shawahed Pump Station	Count	68	67	34	34	34	34	34	34	34	34	66	129	131	14	14	17	
		Maximum	797	8.05	4.59	2.85	1.03	0.28	7.98	1.57	0	5.53	60.05	3	70	>=1600	>=1600	16	
		Minimum	672	7.16	3.38	1.93	0.82	0.05	1.1	0.37	0	4.44	15.06	0	<1.1	2	7	2	
		Average	724.97	7.50	4.22	2.32	0.94	0.08	1.52	0.65	0.00	5.03	34.44	1.36					

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.	
		Unit	μS/cm	-	meq/L									mg/L		MPN/100ml			
JR3	Qayrawan Pump Station	Count	52	57	28	28	28	28	28	28	28	28	28	57	147	156	34	36	27
		Maximum	863	7.7	5.17	2.3	1.9	0.14	1.62	17.42	0	6.26	74.05	2.3	>=1600	>=1600	>=1600	>=1600	
		Minimum	683	6.2	4.18	1.72	0.82	0.04	1.04	0	0	4.44	5	0	< 1.1	2	< 1.1	< 1.1	
		Average	770.20	7.31	4.72	2.08	1.11	0.08	1.44	1.23	0.00	5.17	44.01	1.28					
JR4	Ryashi Pump Station	Count	57	56	29	29	29	29	29	29	29	29	29	56	82	> 84	1	4	10
		Maximum	996	7.84	4.43	3.39	2.42	0.15	8.93	1.72	0	5.8	55.45	3.5	23	2	6	9.2	
		Minimum	827	6.93	1.85	2.42	1.7	0.1	1.89	0.73	0	4.73	9.08	0	< 1.1	2	2	< 2.2	
		Average	857.19	7.40	4.05	2.81	1.86	0.12	2.35	1.07	0.00	5.38	16.32	1.16					
JR5	Sakeb Pump Station	Count	15	15	13	13	13	13	13	13	13	13	15	24	24	0	0	4	
		Maximum	845	8.12	4.85	3.31	1.17	0.1	1.32	1.69	0	6.35	14.35	1.5	170			16	
		Minimum	738	7.6	3.97	2.39	0.92	0.06	1.02	0.88	0	5.13	0.75	0.5	< 1.1			< 2.2	
		Average	796.13	7.93	4.47	2.80	1.06	0.08	1.15	1.25	0.00	5.87	5.72	1.03					
JR6	Jarash New Reservoir	Count	37	37	19	19	19	19	19	19	19	19	19	36	84	> 83	0	1	9
		Maximum	859	8.03	5.17	2.63	1.3	0.1	7.93	1.99	0	5.45	70	1.7	16			2	16
		Minimum	691	7.07	3.9	1.9	0.84	0.04	1.02	0	0	4.04	26	0	< 1.1			2	< 1.1
		Average	743.00	7.48	4.45	2.16	1.00	0.07	1.67	0.60	0.00	5.05	40.73	0.99					
JR7	Jarash Old Reservoir	Count	1	1	0	0	0	0	0	0	0	0	0	1	17	17	0	0	0
		Maximum	761	7.29	0	0	0	0	0	0	0	0	0	43.8	1.3	5.1			
		Minimum	761	7.29	0	0	0	0	0	0	0	0	0	43.8	0.5	< 2.2			
		Average	761.00	7.29										43.80	0.87				
JR8	Souf Reservoir	Count	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
		Maximum	593	7.37	0	0	0	0	0	0	0	0	0	13.29	0.7	< 2.2			
		Minimum	593	7.37	0	0	0	0	0	0	0	0	0	13.29	0.7	< 2.2			
		Average	593.00	7.37										13.29	0.70				
(6) Balqa Governorate																			
BQ1	Baquriya Pump Station	Count	32	25	11	11	11	11	11	11	11	11	35	86	91	22	23	0	
		Maximum	676	8.03	4.07	2.15	1.07	0.15	1.46	0.59	0	4.38	50.25	78	110	900	>=1600		
		Minimum	543	7.32	3.42	1.24	0.74	0.06	0.89	0	0	3.79	15.9	0	< 1.1	2	2		
		Average	603.38	7.59	3.74	1.56	0.86	0.10	1.16	0.40	0.00	4.10	35.98	2.43					

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.	
		Unit	μS/cm	-	meq/L									mg/L	MPN/100ml				
BQ2	Fuheis Pump Station	Count	88	69	33	33	33	33	33	33	33	33	33	88	145	149	5	6	11
		Maximum	1083	8.2	3.84	8.77	4.44	0.24	4.96	2.69	0	4.56	28.89	2	16	130	>=1600	3.06	
		Minimum	457	6.97	2.23	0.86	0.42	0.01	0.27	0.04	0	2.82	4.87	0	< 1.1	2	2	0.71	
		Average	607.70	7.71	3.22	1.99	1.72	0.09	2.01	0.83	0.00	3.56	20.65	1.26					
BQ3	Hazeer Pump Station	Count	43	37	18	18	18	18	18	18	18	18	18	51	125	126	25	17	0
		Maximum	860	8.08	4.74	2.28	1.58	0.33	1.81	1.3	0	5.12	73.31	80	>=1600	>=1600	>=1600		
		Minimum	547	4.84	1.42	1.16	0.71	0.08	0.98	0.45	0	3.85	4.8	0.9	2.1	2	2		
		Average	780.49	7.39	4.22	1.80	1.33	0.25	1.60	0.74	0.00	4.47	62.97	2.36					
BQ4	Mahis Pump Station	Count	60	56	24	24	24	24	24	24	24	24	24	59	95	94	1	1	2
		Maximum	1805	8	5.15	3.12	8.08	0.55	11.2	1.19	0	4.89	1993	2	16	2	13	1.5	
		Minimum	483	6.91	3.79	1.46	0.62	0.02	0.92	0.04	0	4.16	7.45	0.2	< 1.1	2	13	0.718	
		Average	650.73	7.46	4.12	1.84	1.13	0.07	1.52	0.47	0.00	4.59	64.78	1.27					
BQ5	Naqab Dabour P.S	Count	6	6	3	3	3	3	3	3	2	3	5	18	1	> 8	0	0	0
		Maximum	922	8.24	3.82	2.8	3.05	0.17	3.19	1.82	0	4.25	38.66	1.6	< 2.2				
		Minimum	609	7.8	3.2	1.88	0.93	0.07	1.19	0.68	0	3.43	10.58	1	< 1.1				
		Average	722.17	7.99	3.53	2.33	1.76	0.13	1.94	1.36	0.00	3.95	20.42	1.46					
BQ6	Rumamin Pump station	Count	13	7	4	4	4	4	4	4	4	4	4	13	17	16	1	1	0
		Maximum	826	7.97	4.29	3.19	1.03	0.09	1.47	1.25	0	5.37	37.32	2.3	5.1	70	110		
		Minimum	673	7.37	3.99	2.29	0.88	0.06	1.24	0.59	0	4.82	10.72	0	< 2.2	70	110		
		Average	721.77	7.65	4.10	2.68	0.97	0.07	1.35	0.84	0.00	5.04	31.92	1.38					
BQ7	Salt Main Pump Station	Count	50	35	12	12	12	12	12	12	12	12	12	55	117	116	0	1	0
		Maximum	934	8.3	4.22	3.42	1.02	0.16	1.4	0.96	0	4.22	48.19	3	16		< 2.2		
		Minimum	515	7.22	0.88	0.9	0.65	0.07	0.96	0.18	0	3.54	30.2	1	< 2.2		< 2.2		
		Average	629.06	7.71	3.60	1.64	0.87	0.12	1.22	0.51	0.00	3.98	41.54	1.76					
BQ8	Shurya' Pump Station	Count	52	40	22	22	22	22	22	22	22	22	22	55	170	173	21	21	1
		Maximum	890	8.26	4.49	4.3	1.33	0.32	1.79	2.52	0	5.74	56.7	79	300	220	500	1.04	
		Minimum	461	7.37	3.01	0.85	0.51	0.02	0.64	0	0	3.27	18.71	0.9	< 1.1	2	2	1.04	
		Average	576.35	7.73	3.56	1.94	0.78	0.10	1.08	0.66	0.00	4.15	30.58	2.09					

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.		
		Unit	μS/cm	-	meq/L									mg/L	MPN/100ml					
BQ9	WAO Baq'a P.S Befor Filtration	Count	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	
		Maximum	0	0	0	0	0	0	0	0	0	0	0	0	1.8	< 2.2				
		Minimum	0	0	0	0	0	0	0	0	0	0	0	0	1.5	< 2.2				
		Average													1.65					
BQ10	Yazediya P.S/Zai Line	Count	56	58	31	31	31	31	32	31	31	31	56	384	3> 85	0	1	238		
		Maximum	1081	8.12	3.56	3.21	4.46	0.22	5.39	2.21	0	4.83	16.17	1.8	< 2.2		< 1.1	4.42		
		Minimum	652	6.94	2.46	2.05	0.93	0.06	1.15	0.59	0	2.57	0.93	0.4	< 1.1		< 1.1	0.87		
		Average	1006.80	7.59	2.95	2.63	3.93	0.18	4.57	1.71	0.00	3.23	6.42	1.00						
BQ11	Yazeidiya Pump Station	Count	70	56	26	26	26	26	26	26	26	26	73	328	326	0	0	115		
		Maximum	1036	8.2	3.66	2.74	4.3	0.24	4.88	1.81	0	4.69	43.4	11.2	501			3.48		
		Minimum	576	6.87	2.23	1.96	1.26	0.07	1.43	0.56	0	2.66	3.62	0.1	0			0.63		
		Average	791.76	7.66	2.99	2.43	2.74	0.16	3.11	1.26	0.00	3.77	12.76	1.26						
BQ12	AL-Jadour Reservoir	Count	43	34	15	15	15	15	15	15	15	15	49	142	142	0	1	10		
		Maximum	959	8.05	4.88	3.13	2.02	0.33	2.12	1.83	0	5.44	65.5	2.6	16		< 2.2	< 2.2		
		Minimum	535	7.17	0.81	1.19	0.66	0.05	0.9	0.19	0	3.65	14.26	0.6	< 1.1		< 2.2	< 2.2		
		Average	627.84	7.67	3.65	1.92	1.07	0.13	1.35	0.72	0.00	4.24	36.06	1.66						
BQ13	Allan Reservoir	Count	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0		
		Maximum	895	7.76	0	0	0	0	0	0	0	0	10.68	0.8	< 2.2					
		Minimum	895	7.76	0	0	0	0	0	0	0	0	10.68	0.8	< 2.2					
		Average	895.00	7.76									10.68	0.80						
BQ14	Safot Reservoir	Count	45	38	22	22	22	22	22	22	22	22	41	84	> 85	0	1	3		
		Maximum	776	8.44	4.24	5.58	1.27	0.5	1.46	1.09	0	4.92	617	2.2	16		< 1.1	< 2.2		
		Minimum	360	7.33	2.38	1.12	0.9	0.08	0.97	0.12	0	3.98	1.64	0.6	< 1.1		< 1.1	< 2.2		
		Average	596.82	7.60	3.40	1.80	1.09	0.15	1.19	0.69	0.00	4.20	22.17	1.21						
BQ15	Sawadah Res./Salt	Count	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0		
		Maximum	0	0	0	0	0	0	0	0	0	0	0	3.5	< 2.2					
		Minimum	0	0	0	0	0	0	0	0	0	0	0	3.5	< 2.2					
		Average												3.50						

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.	
		Unit	µS/cm	-	meq/L									mg/L		MPN/100ml			
BQ16	Southern Shuna Reservoir	Count	37	37	18	18	18	18	18	18	18	18	18	35	63	63	1	1	13
		Maximum	1677	7.73	5.85	5.59	5.41	0.21	8.78	1.79	0	6.69	39.51	2.2	16	> 8	> 8	90	
		Minimum	777	7.12	3.92	2.51	0.81	0.06	1.04	0.56	0	3.99	4	0.5	< 1.1	> 8	> 8	< 1.1	
		Average	997.32	7.49	4.94	3.18	1.99	0.11	2.86	1.13	0.00	5.79	22.17	1.36					
BQ17	Sukneh Reservoir	Count	3	3	1	1	1	1	1	1	1	1	1	3	7	6	0	0	0
		Maximum	1102	7.56	3.95	3.26	3.38	0.18	4.55	1.39	0	4.4	17.28	3.5	< 2.2				
		Minimum	1063	7.21	3.95	3.26	3.38	0.18	4.55	1.39	0	4.4	16.96	0.5	< 1.1				
		Average	1083.00	7.37	3.95	3.26	3.38	0.18	4.55	1.39	0.00	4.40	17.08	1.69					
BQ18	Um Ateiya Pump Station	Count	46	39	21	21	21	21	21	21	21	21	21	51	118	126	2	5	0
		Maximum	684	8.09	4.39	3.93	1.13	0.03	1.33	0.6	0	4.49	36.21	77	30	4	23		
		Minimum	574	7.22	0.79	1.15	0.68	0.01	0.91	0	0	3.93	17.28	0	2	2	2	0	
		Average	599.04	7.60	3.74	1.52	0.78	0.02	1.03	0.37	0.00	4.21	32.95	2.23					
BQ19	Wadi Rajeb Res.	Count	4	4	3	3	3	3	3	3	3	3	3	4	7	7	0	0	2
		Maximum	1043	7.56	4.32	4.02	2.44	0.18	2.81	3.18	0	4.8	20.12	1.8	16			< 2.2	
		Minimum	993	7.41	4.1	3.42	2.35	0.15	2.6	2.74	0	4.62	13.83	1	< 1.1			< 2.2	
		Average	1020.25	7.48	4.18	3.77	2.39	0.17	2.69	2.97	0.00	4.71	17.16	1.47					
(7) Mafrq																			
MF1	Al-Koum Al-Ahmar P.S	Count	16	16	15	15	15	15	15	15	14	15	16	19	19	0	1	0	
		Maximum	916	8.24	2.07	2.31	5.02	0.27	4.83	1.52	0	4.07	23.97	3.5	16		2		
		Minimum	781	7.7	0.91	0.65	4.47	0.15	3.8	0.92	0	0.2	17.56	0	< 1.1		2		
		Average	837.00	7.98	1.15	1.75	4.61	0.21	4.18	1.22	0.00	2.06	19.31	1.30					
MF2	Za'tari Pump Station	Count	52	52	30	30	30	30	30	30	29	30	52	80	76	0	0	0	
		Maximum	987	8.25	2.46	2.98	3.71	1.6	4.44	1.38	0	3.36	23.44	3.5	17				
		Minimum	386	7.52	0.66	1.34	2.58	0.1	2.22	0.33	0	1.88	4.12	0.7	< 1.1				
		Average	656.67	7.92	1.29	1.85	2.91	0.21	2.92	0.84	0.00	2.20	14.76	1.65					
MF3	Amra & Emeira Pump Station	Count	42	41	28	28	28	28	28	28	27	28	41	59	60	0	1	0	
		Maximum	679	8.43	1.06	1.7	3.9	0.26	3.02	1.28	0.25	2.41	17.56	3.5	16		2		
		Minimum	488	7.58	0.59	0.92	2.61	0.14	1.82	0.59	0	1.71	11.83	0	< 1.1		2		
		Average	623.83	8.07	0.89	1.23	3.56	0.20	2.68	1.01	0.01	1.98	15.21	1.49					

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.	
		Unit	µS/cm	-	meq/L									mg/L		MPN/100ml			
MF4	Buwiedah Pump Station	Count	5	5	2	2	2	2	2	2	2	2	2	5	7	> 8	0	0	0
		Maximum	752	8.44	1.43	2.02	3.23	0.2	3.86	0.9	0	2.15	15.4	2.2	16				
		Minimum	609	7.48	1.21	1.72	2.95	0.18	2.77	0.76	0	2.05	5.9	1	< 1.1				
		Average	690.40	7.96	1.32	1.87	3.09	0.19	3.32	0.83	0.00	2.10	12.81	1.64					
MF5	Dier Al-Kahf Pump Station	Count	37	37	21	21	21	21	21	21	21	21	37	39	42	4	6	0	
		Maximum	700	8.56	1.03	0.78	3.51	0.22	2.23	1.36	0.13	1.9	13.55	3.5	16	43	43		
		Minimum	370	3.48	0.55	0.46	2.99	0.11	1.55	0.25	0	1.49	9	0	< 1.1	2	2		
		Average	511.00	8.07	0.69	0.61	3.26	0.16	1.84	0.95	0.02	1.70	11.04	1.40					
MF6	Kilometer 103 Pump Station	Count	4	4	4	4	4	4	4	4	4	4	4	5	4	0	0	0	
		Maximum	472	8.03	1.3	1.47	2.19	0.15	1.86	0.85	0	2.09	12.88	1.5	< 2.2				
		Minimum	444	7.59	0.7	1.09	2.09	0.13	1.48	0.49	0	1.86	9.72	0	< 1.1				
		Average	462.75	7.86	0.91	1.27	2.14	0.14	1.65	0.67	0.00	1.94	11.04	1.14					
MF7	Kilometer 111 Pump Station	Count	21	21	13	13	13	13	13	13	13	13	20	20	24	0	1	0	
		Maximum	500	8.28	1.25	1.84	1.96	0.17	1.97	1.24	0	2	16.82	3	300	< 2.2			
		Minimum	362	7.54	0.73	0.96	1.65	0.14	1.22	0.45	0	1.64	11.52	0.2	< 1.1	< 2.2			
		Average	415.86	7.99	0.90	1.38	1.77	0.15	1.54	0.66	0.00	1.82	12.91	1.53					
MF8	Kilometer 124 Pump Station	Count	16	16	13	13	13	13	13	13	13	13	16	20	> 8	1	2	0	
		Maximum	471	8.72	0.86	0.82	1.67	0.13	0.94	0.86	0.2	4.1	12.31	2.5	16	3	4		
		Minimum	286	7.81	0.36	0.35	1.56	0.09	0.67	0.28	0	1.41	1.56	0.7	< 1.1	3	2		
		Average	306.94	8.11	0.62	0.56	1.63	0.10	0.81	0.42	0.02	1.77	8.04	1.65					
MF9	Kilometer 134 Pump Station	Count	34	33	21	21	21	21	21	21	21	21	34	7	22	9	19	0	
		Maximum	541	8.53	0.76	0.8	3.35	0.22	1.89	1.37	0.4	3.67	14.24	1.5	23	70	70		
		Minimum	286	7.7	0.55	0.32	1.65	0.11	0.82	0.4	0	1.4	6.99	0.5	2	2	2		
		Average	495.79	8.28	0.65	0.58	3.13	0.16	1.66	0.95	0.08	1.75	10.85	1.11					
MF10	Mkafeta Pump Station	Count	35	35	19	19	19	19	19	19	19	19	35	41	41	1	2	0	
		Maximum	873	8.33	1.03	1.66	1.81	0.16	2.95	0.72	0	2.26	14.98	3.5	< 2.2	1.2	< 2.2		
		Minimum	316	4.14	0.46	0.77	1.56	0.12	0.88	0.19	0	0	7.6	0.7	< 1.1	1.2	< 2.2		
		Average	402.17	7.90	0.73	1.18	1.67	0.14	1.11	0.40	0.00	1.97	11.08	1.67					

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.
		Unit	µS/cm	-	meq/L									mg/L		MPN/100ml		
MF11	Rawdhet Basma P.S	Count	5	5	5	5	5	5	5	5	5	5	5	4	4	0	0	0
		Maximum	616	8.06	1.06	1.62	2.92	0.18	2.7	0.87	0	2.03	15.56	1.8	<2.2			
		Minimum	583	7.86	0.95	1.41	2.67	0.12	2.37	0.72	0	1.91	12.5	1.4	<1.1			
		Average	600.40	7.96	1.02	1.49	2.78	0.15	2.55	0.81	0.00	1.96	13.29	1.53				
MF12	Sabha & Subhiya Pump Station	Count	42	41	23	23	23	23	23	23	22	23	41	55	55	0	0	0
		Maximum	538	8.32	0.99	1.31	2.97	0.27	1.9	1.29	0.22	2.43	19.27	2.1	16			
		Minimum	414	7.05	0.61	0.63	2.49	0.14	1.22	0.32	0	1.2	1.71	0	1			
		Average	477.90	8.05	0.77	0.98	2.76	0.18	1.65	0.70	0.02	2.08	14.37	1.21				
MF13	Sumaya Pump Station	Count	55	54	33	33	33	33	33	33	33	33	55	67	69	2	4	1
		Maximum	790	8.24	2.97	2.19	4.34	0.2	3.48	1.54	0.07	3.06	16.22	2	16	>8	16	1.43
		Minimum	717	7.3	1.21	1.45	3.61	0.12	2.95	0.82	0	2.35	9.39	0.2	<1.1	<2.2	2	1.43
		Average	755.15	7.91	1.37	1.77	3.93	0.17	3.15	1.18	0.00	2.66	12.98	1.24				
MF14	Um Al-Sarab P.S	Count	11	11	10	10	10	10	10	10	10	10	11	16	16	2	2	0
		Maximum	900	8.31	3.49	2.59	4.54	0.2	4.39	1.72	0	3.7	17.92	2	16	>80	110	
		Minimum	826	7.78	1.35	0.43	4.02	0.13	3.85	1.14	0	2.32	16.3	0.9	<1.1	50	>80	
		Average	866.82	7.98	1.68	2.11	4.29	0.17	4.13	1.45	0.00	2.58	16.89	1.41				
MF15	Um-AL-Jmal Pump Station.	Count	9	9	9	9	9	9	9	9	9	9	9	9	10	0	0	0
		Maximum	1242	8.16	3.45	3.72	6.02	0.29	7.36	2.52	0	1.97	26.45	1.5	<2.2			
		Minimum	1176	7.52	1.65	1.68	5.82	0.23	5.78	1.77	0	1.53	20.95	0	<1.1			
		Average	1210.78	7.92	1.97	2.93	5.93	0.27	6.92	2.03	0.00	1.81	23.13	0.89				
MF16	Ar-Ruwayshed Reservoir	Count	15	15	13	13	13	13	13	13	13	13	16	16	14	11	15	4
		Maximum	1294	7.81	7.12	4.24	3.46	13.92	3.36	5.43	0	5.78	6.36	3.5	16	500	500	5.1
		Minimum	1142	7.22	5.37	3.02	2.74	0.1	2.42	3.78	0	5.03	0	1	<1.1	2	2	<1.1
		Average	1224.67	7.56	6.46	3.59	2.97	1.19	2.90	4.72	0.00	5.45	1.76	1.98				
MF17	Zunaya Reservoir	Count	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
		Maximum	1230	7.73	3.37	3.8	3.73	0.17	6.16	1.87	0	2.68	33.47	1	<2.2			
		Minimum	1230	7.73	3.37	3.8	3.73	0.17	6.16	1.87	0	2.68	33.47	1	<2.2			
		Average	1230.00	7.73	3.37	3.80	3.73	0.17	6.16	1.87	0.00	2.68	33.47	1.00				

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.	
		Unit	µS/cm	-	meq/L									mg/L		MPN/100ml			
MF18	Sweilmeh Pump Station	Count	56	55	33	33	33	33	33	33	33	33	33	56	74	75	0	2	0
		Maximum	874	7.98	3.75	2014	3.17	0.14	3.03	1.69	0	5.13	8.31	3	16			2	
		Minimum	779	6.99	3.12	1.88	2.53	0.08	2.72	0.52	0	4.46	0	0	<1.1			2	
		Average	837.55	7.48	3.46	63.10	2.81	0.11	2.87	0.77	0.00	4.81	0.85	1.52					
(8) Madaba Governorate																			
MB1	Deban Cross Pump Station	Count	2	2	2	2	2	2	2	2	2	2	2	3	3	0	0	1	
		Maximum	1185	7.44	4.63	3.3	3.89	0.11	4.63	2.38	0	5.22	4.03	1.5	5.1			<2.2	
		Minimum	1130	7.38	4.6	3.28	3.83	0.11	4.48	1.97	0	5.15	3.99	1.3	<2.2			<2.2	
		Average	1157.50	7.41	4.62	3.29	3.86	0.11	4.56	2.18	0.00	5.19	4.01	1.43					
MB2	Lob Booster	Count	16	16	14	14	14	14	14	14	14	14	16	30	33	0	0	0	
		Maximum	934	7.82	4.58	4.09	3.2	0.16	2.72	1.6	0	5.3	27.2	2	<2.2				
		Minimum	875	7.43	2.33	2.2	2.22	0.09	2.42	0.72	0	4.63	4.38	0.8	<1.1				
		Average	912.25	7.60	4.20	2.73	2.38	0.13	2.55	1.36	0.00	5.01	24.31	1.38					
MB3	Madaba Reservoir	Count	63	62	36	36	37	37	37	36	36	36	63	113	117	0	0	6	
		Maximum	1049	8.15	4.6	3.37	2.46	0.16	3.59	1.69	0	5.46	28.92	2	16			16	
		Minimum	747	7.01	3.48	2.31	0.37	0.1	2.32	1	0	4.3	5.97	0.5	<1.1			<2.2	
		Average	901.33	7.80	4.24	2.63	2.23	0.13	2.54	1.37	0.00	4.92	25.93	1.28					
(9) Karak Governorate																			
KR1	Ain Sara Pump Station	Count	41	42	19	19	19	19	19	19	21	20	41	67	59	0	1	5	
		Maximum	817	8.06	3.96	3.69	1.71	0.49	2.04	1.25	0	4.11	60.54	1.8	16			<2.2	2.07
		Minimum	522	7.47	2.72	1.17	1.02	0.06	1.06	0.47	0	3.17	16.61	1	<1.1			<2.2	0.52
		Average	720.10	7.72	3.71	1.61	1.50	0.35	1.71	0.92	0.00	3.59	53.53	1.46					
KR2	Al-Ghowair Pump Station	Count	43	44	21	21	21	21	21	21	23	22	42	65	59	0	1	8	
		Maximum	1314	7.9	7.27	3.77	4.33	0.13	6.27	1.92	0	5.1	16.45	2	16			<2.2	1.89
		Minimum	622	7.25	3.13	1.79	1.51	0.08	1.72	0.57	0	3.62	3.7	0.1	<1.1			<2.2	0.65
		Average	1156.49	7.60	4.50	3.07	3.67	0.10	4.93	1.59	0.00	4.61	7.18	1.28					

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.
		Unit	μS/cm	-	meq/L									mg/L	MPN/100ml			
KR3	Al-Qatraneh Pump Station	Count	48	48	26	26	26	26	26	26	26	27	49	41	53	8	21	2
		Maximum	1497	8.16	5.27	4.15	5.94	0.16	6.77	3.99	0	5.4	9.28	3	170	9.2	23	0.66
		Minimum	1137	6.9	4.21	3.07	0.13	0.08	4.97	2.03	0	4.59	2.56	0	< 1.1	2	2	0.47
		Average	1368.13	7.66	4.69	3.57	5.04	0.12	6.01	2.62	0.00	4.96	5.82	1.45				
KR4	Al-Sultaneh Pump Station	Count	14	15	5	5	5	5	5	5	5	5	18	4	12	7	10	2
		Maximum	1343	7.94	4.81	3.69	4.45	0.13	5.81	2.35	0	4.96	6.11	1	170	240	1100	1.3
		Minimum	1224	7.3	4.5	3.34	4.11	0.1	5.46	1.58	0	4.53	3.22	0	< 1.1	2	2	1.05
		Average	1271.86	7.54	4.62	3.53	4.21	0.11	5.66	1.96	0.00	4.79	5.02	0.58				
KR5	Shuhabiya Pump Station	Count	0	0	0	0	0	0	0	0	1	0	1	7	7	2	2	6
		Maximum	0	0	0	0	0	0	0	0	0	0	29.41	3	9.2	4	13	1.26
		Minimum	0	0	0	0	0	0	0	0	0	0	29.41	0	< 2.2	2	4	0.53
		Average									0.00		29.41	0.86				
KR6	Yarout Pump Station	Count	34	33	16	16	16	16	16	16	17	17	33	41	40	1	0	0
		Maximum	615	8.11	4.79	1.59	0.98	0.06	1.2	0.8	0	4.22	28.35	2	16	< 2.2		
		Minimum	570	7.46	3.51	1.31	0.83	0.02	1	0.35	0	3.48	25.25	0.4	< 1.1	< 2.2		
		Average	589.38	7.86	3.86	1.41	0.89	0.04	1.10	0.57	0.00	3.97	27.22	1.13				
KR7	Al-Sultani Reservoir	Count	19	19	12	12	12	12	12	12	13	13	20	3	13	11	18	3
		Maximum	1307	7.85	4.95	3.63	5.02	0.13	5.9	5.65	0	5.12	9.65	1.2	30	23	30	2
		Minimum	1189	7.16	4.41	2.8	3.87	0.1	1.92	1.47	0	4.25	3.15	1	< 1.1	2	2	2
		Average	1240.79	7.58	4.69	3.33	4.20	0.11	5.17	2.15	0.00	4.77	4.96	1.13				
KR8	Al-Thallaja Reservoir	Count	10	10	4	4	4	4	4	4	4	4	11	20	17	0	1	2
		Maximum	846	8.04	4.05	1.93	2.07	0.36	2.56	1.14	0	3.88	58.1	1.5	16		< 2.2	< 2.2
		Minimum	701	7.49	3.58	1.55	1.5	0.34	1.78	0.88	0	3.59	45.97	0.2	< 1.1		< 2.2	< 2.2
		Average	746.70	7.75	3.85	1.79	1.76	0.35	2.13	1.00	0.00	3.73	52.72	0.98				
KR9	Al-Ghowair Reservoir	Count	3	3	2	2	2	2	2	2	2	2	3	3	3	0	0	0
		Maximum	1273	7.8	4.97	3.3	4.1	0.1	5.67	1.99	0	5	7.08	3	< 2.2			
		Minimum	1120	7.48	4.5	2.87	3.65	0.06	4.43	1.88	0	4.52	5.4	1.3	< 2.2			
		Average	1216.33	7.63	4.74	3.09	3.88	0.08	5.05	1.94	0.00	4.76	6.16	1.93				

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.	
		Unit	μS/cm	-	meq/L									mg/L		MPN/100ml			
KR10	Qatraneh Reservoir	Count	19	19	11	11	11	11	11	11	11	11	11	18	36	37	2	3	3
		Maximum	2660	8.02	7.25	5.48	12.23	0.23	14.13	6.03	0	5.17	13	2.5	16	23	93	> 8	
		Minimum	1276	7.22	4.3	3.37	4.53	0.08	5.66	2.45	0	4.62	4.04	0	< 1.1	5.1	2	< 2.2	
		Average	1949.42	7.67	5.31	4.06	7.18	0.14	8.31	3.45	0.00	4.91	8.89	0.87					
(10) Tafileh Governorate																			
TF1	Hareer Pump Station	Count	43	42	19	19	20	20	21	19	22	22	42	84	78	0	1	9	
		Maximum	482	8	5.52	3.98	4.44	0.61	1	0.39	0	3.76	25.76	2.5	16		< 2.2	5.1	
		Minimum	422	7.3	2.44	1.3	0.5	0.01	0.73	0.04	0	2.9	15.06	0.4	< 1.1		< 2.2	< 1.1	
		Average	458.79	7.63	2.86	1.66	0.76	0.06	0.88	0.22	0.00	3.27	22.88	1.47					
TF2	Hasa Well No.3	Count	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	
		Maximum	815	7.34	3.62	2.59	2	0.04	2.9	0.82	0	4.11	20.9	0					
		Minimum	815	7.34	3.62	2.59	2	0.04	2.9	0.82	0	4.11	20.9	0					
		Average	815.00	7.34	3.62	2.59	2.00	0.04	2.90	0.82	0.00	4.11	20.90						
TF3	Zabda Res. /Tafeilah	Count	3	3	2	2	2	2	2	2	3	3	2	11	10	0	0	0	
		Maximum	583	8.02	2.59	2.3	1.22	0.09	1.6	0.84	0	3.98	18.36	2	< 2.2				
		Minimum	545	7.8	2.42	2.09	1.18	0.08	1.59	0.55	0	3.49	16.78	1	< 1.1				
		Average	566.00	7.94	2.51	2.20	1.20	0.09	1.60	0.70	0.00	3.68	17.57	1.42					
TF4	Eis Reservoir	Count	37	36	18	18	18	18	19	18	21	20	37	96	90	0	0	3	
		Maximum	599	8.08	4.51	4.22	1.19	0.61	1.6	0.57	0	3.96	24.96	2	16			5.1	
		Minimum	455	7.42	2.12	1.44	0.55	0.02	0.89	0.16	0	3.08	4.52	0	< 1.1			< 2.2	
		Average	525.81	7.77	2.65	1.99	0.88	0.08	1.27	0.38	0.00	3.37	20.67	1.04					
TF5	Tafeilah Reservoir 1000	Count	29	30	15	15	15	15	16	15	17	17	28	47	41	0	0	3	
		Maximum	673	8.16	2.79	4.47	1.26	1.11	1.74	0.94	0	4.2	22	1.7	9.2			< 2.2	
		Minimum	510	7.57	2.22	1.75	0.9	0.03	1.22	0.3	0	3.27	7.26	0.3	< 1.1			< 2.2	
		Average	569.14	7.93	2.59	2.14	1.12	0.13	1.53	0.47	0.00	3.51	18.10	1.04					
TF6	Tafeilah Reservoir 4000	Count	40	40	20	20	20	20	21	20	22	22	39	80	75	0	1	7	
		Maximum	625	8.04	4.52	4.43	1.27	1.12	1.76	0.76	0	3.98	24.05	2	16			< 2.2	16
		Minimum	377	7.15	1.67	1.7	0.88	0.03	0.95	0.21	0	3.14	2.3	0.3	< 1.1			< 2.2	< 1.1
		Average	567.08	7.77	2.67	2.16	1.12	0.11	1.49	0.53	0.00	3.48	19.12	1.00					

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.
		Unit	µS/cm	-	meq/L								mg/L		MPN/100ml			
TF7	Jurf Al-Daraweesh Pump Station	Count	34	33	16	16	16	16	17	16	18	18	33	39	37	2	2	6
		Maximum	828	8.39	5.26	2.76	3.04	0.07	2.65	0.83	0.12	5.03	22.99	3.5	16	16	16	<2.2
		Minimum	534	7.36	2.69	2.12	1.25	0.02	1.6	0.4	0	1.15	0.02	0	<2.2	2	2	0
		Average	644.56	7.68	3.03	2.31	1.46	0.04	1.83	0.64	0.01	4.02	1.95	1.54				
(11) Aqaba Governorate																		
AQ1	Manasheer Pump Station	Count	1	1	1	1	1	1	1	1	1	1	1	2	2	0	0	1
		Maximum	909	7.58	4.09	1.9	3.25	0.07	2.9	4.33	0	1.82	11.23	1.5	16			1.14
		Minimum	909	7.58	4.09	1.9	3.25	0.07	2.9	4.33	0	1.82	11.23	0.5	<2.2			1.14
		Average	909.00	7.58	4.09	1.90	3.25	0.07	2.90	4.33	0.00	1.82	11.23	1.00				
AQ2	Aqaba Reservoir New	Count	13	13	9	9	9	9	9	9	9	9	13	25	26	0	1	3
		Maximum	376	8.25	2.09	0.84	1.28	0.06	1.11	0.96	0	1.99	12.14	3.5	16		2	<2.2
		Minimum	354	7.2	1.78	0.44	0.87	0.02	0.9	0.3	0	1.66	9.65	0	<1.1			
		Average	364.38	7.99	1.92	0.63	0.98	0.05	0.99	0.57	0.00	1.85	11.04	0.75				
AQ3	Humaima Reservoir	Count	1	1	1	1	1	1	1	1	1	1	1	2	2	0	0	0
		Maximum	973	7.85	3.62	3.34	2.85	0.05	3.39	0.72	0	4.61	12.4	0.9	<2.2			
		Minimum	973	7.85	3.62	3.34	2.85	0.05	3.39	0.72	0	4.61	12.4	0.3	<2.2			
		Average	973.00	7.85	3.62	3.34	2.85	0.05	3.39	0.72	0.00	4.61	12.40	0.60				
AQ4	Quara Reservoir	Count	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
		Maximum	1016	7.47	3.07	2.19	4.21	0.09	4.81	2.27	0	2.5	10.89	1	<2.2			
		Minimum	1016	7.47	3.07	2.19	4.21	0.09	4.81	2.27	0	2.5	10.89	1	<2.2			
		Average	1016.00	7.47	3.07	2.19	4.21	0.09	4.81	2.27	0.00	2.50	10.89	1.00				
AQ5	Twaisha Pump Station	Count	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
		Maximum	379	7.86	1.89	0.66	1.19	0.06	1.18	0.63	0	1.82	6.33	0	5.1			
		Minimum	379	7.86	1.89	0.66	1.19	0.06	1.18	0.63	0	1.82	6.33	0	5.1			
		Average	379.00	7.86	1.89	0.66	1.19	0.06	1.18	0.63	0.00	1.82	6.33	0.00				
AQ6	Korien Reservoir	Count	31	32	16	16	17	17	17	16	17	16	31	56	50	0	0	5
		Maximum	390	8.34	2.33	0.66	2.8	0.07	1.14	0.87	0	2.03	12.49	1.5	16			16
		Minimum	334	7.49	1.91	0.35	0.85	0.02	0.9	0.32	0	1.72	9.67	0	<1.1			<2.2
		Average	365.26	7.95	2.02	0.50	1.06	0.05	0.98	0.56	0.00	1.84	11.07	0.64				

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.	
		Unit	µS/cm	-	meq/L									mg/L	MPN/100ml				
(12) Ma'an Governorate																			
MA1	Dabaghat Pump Station	Count	4	5	3	3	3	3	3	3	3	3	4	5	5	0	0	0	
		Maximum	552	7.92	3.28	1.72	0.95	0.05	1.13	0.5	0	4.06	6.43	1.5	<2.2				
		Minimum	543	7	2.98	1.53	0.87	0.05	1.08	0.26	0	3.9	4.81	0	2				
		Average	548.75	7.63	3.13	1.63	0.90	0.05	1.11	0.42	0.00	3.98	5.76	0.64					
MA2	Muragha Pump Station	Count	28	29	21	21	22	22	22	21	22	21	29	43	40	1	1	5	
		Maximum	1235	8.01	4.13	8.12	4.43	0.08	4.81	2.52	0	5.25	21.13	3.5	16	11	30	1.26	
		Minimum	799	7.35	3.07	2.82	1.8	0.04	1.72	0.99	0	4.09	11.23	0	<1.1	11	30	0.72	
		Average	994.33	7.68	3.56	3.64	2.99	0.06	3.47	1.67	0.00	4.63	15.89	1.63					
MA3	Najel Esh-Shoubak P.S	Count	11	12	10	10	10	10	10	10	11	11	10	19	14	0	0	1	
		Maximum	577	7.84	3.28	2.07	0.98	0.05	1.4	0.6	0	4.64	9.43	1.7	16			1.05	
		Minimum	453	7.45	2.26	1.58	0.85	0.02	1.07	0.04	0	3.72	3.28	0	<1.1			1.05	
		Average	544.82	7.65	2.95	1.79	0.89	0.04	1.18	0.43	0.00	4.02	7.17	1.09					
MA4	Qa' Ma'an Pump Station	Count	32	33	16	16	16	16	16	16	17	17	30	45	39	0	0	2	
		Maximum	1470	1470	3.1	2.53	1.3	0.05	1.73	0.88	0	4.2	10.68	1.7	9.2			1.96	
		Minimum	489	7.13	2.46	1.91	1.01	0.02	1.22	0.42	0	3.49	0.57	0.5	<1.1			1.39	
		Average	605.34	51.89	2.81	2.08	1.12	0.04	1.47	0.62	0.00	3.81	7.50	1.26					
MA5	Fujaij Reservoir	Count	7	8	6	6	6	6	6	6	7	7	6	13	7	0	0	0	
		Maximum	563	7.8	2.76	2.16	1.03	0.05	1.3	0.62	0	4.42	12.34	2	<2.2				
		Minimum	506	7.37	2.39	1.73	0.92	0.02	1.03	0.27	0	3.64	7.43	0.8	<1.1				
		Average	535.14	7.59	2.51	1.98	0.99	0.04	1.17	0.41	0.00	3.86	9.24	1.24					
MA6	Mudawara Reservoir	Count	1	1	0	0	0	0	0	0	0	0	1	1	1	0	1	0	
		Maximum	815	7.32	0	0	0	0	0	0	0	0	0.48	1	<2.2		<2.2		
		Minimum	815	7.32	0	0	0	0	0	0	0	0	0.48	1	<2.2		<2.2		
		Average	815.00	7.32									0.48	1.00					
MA7	New Ma'an Reservoir	Count	18	19	12	12	12	12	12	12	13	15	16	30	26	0	0	3	
		Maximum	843	8.17	4.12	3.09	2.02	0.07	2.94	1.27	0	5.52	3.65	1.8	5.1			<2.2	
		Minimum	770	7.44	3.49	2.1	1.58	0.02	2.13	0.62	0	4.6	0	0.2	<1.1			2	
		Average	799.33	7.77	3.80	2.64	1.77	0.05	2.45	0.95	0.00	4.86	0.50	1.15					

No	Site Name	Item	EC	pH	Ca	Mg	Na	K	Cl	SO ₄	CO ₃	HCO ₃	NO ₃	Cl-Re	Coli.	F.Coli./W	Coli/W	F.Coli.
		Unit	µS/cm	-	meq/L								mg/L		MPN/100ml			
MA8	Tahowneh Reservoir	Count	24	24	10	10	10	10	10	10	12	10	24	24	25	0	2	3
		Maximum	1010	883	4.08	3.41	2.7	0.06	4	1.2	0	4.86	0.88	1.5	5.1		2	<2.2
		Minimum	732	7.22	3.46	2.26	1.53	0.03	2.14	0.61	0	4.41	0	0.1	< 1.1		2	2
		Average	830.29	44.08	3.74	2.77	1.86	0.05	2.79	0.87	0.00	4.67	0.29	1.03				
MA9	Wadi Mosa Reservoir	Count	3	4	2	2	2	2	2	2	3	3	2	9	4	0	0	0
		Maximum	572	7.85	2.74	1.97	1.12	0.05	1.47	0.4	0	3.98	8.9	1.5	<2.2			
		Minimum	488	7.5	2.65	1.86	1.06	0.02	1.38	0.37	0	3.59	8.51	0.5	< 1.1			
		Average	536.00	7.70	2.70	1.92	1.09	0.04	1.43	0.39	0.00	3.75	8.71	0.99				
MA10	Steel Reservoir	Count	21	22	10	10	11	11	11	10	11	10	21	52	45	0	0	3
		Maximum	1032	8.37	2.26	0.9	0.99	0.06	1.05	0.79	0	1.96	12.49	1.3	16			16
		Minimum	332	7.2	1.83	0.24	0.84	0.03	0.77	0.29	0	1.74	9.55	0	< 1.1			< 2.2
		Average	393.90	7.98	2.02	0.53	0.91	0.05	0.93	0.51	0.00	1.89	11.04	0.69				