

Table 7.2 Analysis Results of Water Monitoring Investigation (3)

Sample No.	Sample Type	Temp.	pH	ORP	E.C.	Hg	Cd	As	Pb	Cu	Zn	SO ₄	Cl
		(C.)		mV	S/m	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-1	Groundwater	32.5	7.01	-32	5.51	0.0011	0.041	0.005	0.25	0.48	0.31	1117	22848
MW-2	Groundwater	32.4	6.93	-191	5.79	0.0022	0.040	0.006	0.22	0.33	0.09	1435	24276
MW-3	Groundwater	33.4	7.29	-150	5.17	0.0006	0.035	0.005	0.26	0.32	0.08	928	20298
MW-4	Groundwater	32.0	6.61	121	5.89	0.0020	0.042	0.006	0.26	0.31	0.11	1496	24378
MW-5	Groundwater	30.4	7.29	-43	0.73	0.0050	<0.001	0.004	0.09	1.32	1.52	403	2122
MW-6	Groundwater	30.7	6.80	-94	0.55	0.0070	<0.001	0.005	0.05	1.27	25.86	246	1601
MW-7	Groundwater	32.3	7.64	61	0.11	0.0018	<0.001	0.005	0.22	0.18	0.89	128	125
MW-8	Groundwater	31.5	6.55	-96	2.13	0.0015	0.001	0.007	0.20	2.13	56.13	1022	7466
MW-9	Groundwater	30.6	6.76	-112	1.16	0.0015	0.001	0.006	0.20	1.22	10.13	829	3764
MW-11	Groundwater	32.2	6.82	-211	4.36	0.0020	0.037	0.007	0.41	0.93	12.13	1170	17136
MW-12	Groundwater	32.3	6.90	-127	4.09	0.0017	0.035	0.007	0.40	2.64	44.52	1116	17340
MW-13	Groundwater	31.7	6.43	82	1.54	0.0016	0.003	0.005	0.23	0.52	33.18	854	7242
MW-14	Groundwater	31.4	7.55	6	0.72	0.0027	0.001	0.008	0.08	3.02	42.72	618	2560
Plantsite-1	Groundwater	30.1	7.66	91	0.16	0.0004	0.001	0.007	0.01	0.17	<0.01	242	246
Trench-1	Surface water	26.6	7.18	19	5.47	0.0037	0.042	0.010	0.43	0.19	0.06	1397	22950
Trench-2	Groundwater	36.2	6.82	-16	5.38	0.0010	0.044	0.008	0.41	0.17	0.04	1332	20808
A-4	Groundwater	31.2	7.48	80	0.19	0.0010	<0.001	0.010	0.01	0.08	0.02	242	328
A-5	Groundwater	29.8	7.12	94	0.78	0.0005	<0.001	0.005	0.01	0.24	0.03	1658	1601
A-7	Groundwater	30.3	7.28	83	0.40	0.0010	<0.001	0.005	<0.01	1.48	0.87	288	1044
B-1	Groundwater	28.6	7.19	46	0.83	0.0020	<0.001	0.005	0.01	0.14	0.02	526	2362
B-1A	Groundwater	28.0	7.99	57	0.34	0.0020	<0.001	0.007	<0.01	0.05	0.01	256	804
B-2	Groundwater	31.1	7.67	80	0.35	0.0009	<0.001	0.006	<0.01	0.06	0.03	236	902
KM-14	Groundwater	29.4	7.22	148	1.72	0.0010	<0.001	0.009	0.02	0.07	0.02	549	5783
KM-14JD	Groundwater	27.1	7.93	103	0.21	0.0013	<0.001	0.005	<0.01	0.02	0.01	389	302
Falaj al Qabail	Surface water	30.6	8.24	74	0.12	0.0012	0.001	0.004	0.02	0.01	0.01	130	194
JP-4/3	Groundwater	-	-	-	-	-	-	-	-	-	-	-	-
WS-1	Groundwater	30.7	8.27	74	0.06	0.0004	<0.001	0.004	0.02	0.01	0.02	43	112
WS-2	Groundwater	27.6	7.78	103	0.38	0.0006	0.001	0.004	0.02	0.02	0.02	609	806
WS-3	Groundwater	32.0	7.29	103	0.82	0.0017	0.001	0.004	0.02	0.03	0.02	344	2354
WS-4	Groundwater	31.1	7.45	125	0.95	0.0024	<0.001	0.004	0.07	0.04	0.02	292	2999
WS-5	Groundwater	29.8	7.78	101	0.26	0.0005	<0.001	0.004	0.02	0.01	0.01	552	306
WS-6	Groundwater	27.5	7.83	106	0.12	0.0013	<0.001	0.005	0.01	<0.01	<0.01	117	151
WS-7	Groundwater	29.9	7.51	119	0.45	0.0038	<0.001	0.005	0.01	<0.01	<0.01	586	987
WS-9	Groundwater	32.8	7.16	126	1.61	0.0012	<0.001	0.010	0.19	0.04	<0.01	539	5312
WS-13	Groundwater	31.2	8.62	56	0.41	0.0021	<0.001	0.008	0.02	0.02	0.01	496	792
SP-2	Groundwater	30.2	7.29	129	1.81	0.0002	<0.001	0.008	0.19	0.03	0.02	656	6096
A-8	Groundwater	28.8	7.71	39	0.28	0.0013	<0.001	0.005	<0.01	0.02	0.02	474	390
AEX-48	Groundwater	-	-	-	-	-	-	-	-	-	-	-	-
Wadi al Jizi	Surface water	29.8	8.90	50	0.10	0.0018	<0.001	0.006	0.02	0.01	0.01	60	135
L-1	Groundwater	29.1	7.61	113	0.15	0.0009	<0.001	0.004	0.01	0.02	0.01	346	145
L-2	Groundwater	29.8	8.09	82	0.16	0.0012	<0.001	0.004	0.01	<0.01	<0.01	168	126
L-3	Groundwater	30.9	7.54	109	0.09	0.0005	<0.001	0.004	0.01	0.02	0.01	155	60
L-3B	Groundwater	29.3	7.64	108	0.08	0.0027	<0.001	0.005	0.01	<0.01	0.01	95	64
Falaj al Amhi	Surface water	27.9	7.63	88	0.06	0.0018	<0.001	0.004	0.01	<0.01	<0.01	66	76
T/D Piezo DH-2	Groundwater	29.00	6.19	59	7.45	0.0052	0.062	0.004	0.50	1.57	0.51	1387	31763
Minimum		26.6	6.19	-211	0.06	0.0002	<0.001	0.004	<0.01	<0.01	<0.01	43	60
Maximum		36.2	8.90	148	7.45	0.0070	0.062	0.010	0.50	3.02	56.13	1658	31763
Average		30.5	7.41	41	1.60	0.0018	0.010	0.006	0.12	0.45	5.34	595	6073

Red color : Exceeding Omani standard of discharge