

DRINKING WATER QUALITY - DISTRICT SARGODHA RURAL AREAS

Sr. Sample No.	Village	Union Council	Tehsil	Location	Source	Depth (ft)	Water Table Depth (ft)	EC (µS/cm)	pH	Turbidity (NTU)	Color	Taste	Odor	TDS	Alk. (mg/l)	HCO ₃ (mg/l)	CO ₂	Cl (mg/l)	SO ₄ (mg/l)	Ca (mg/l)	Mg (mg/l)	Hardness (mg/l)	Na (mg/l)	K (mg/l)	NO ₂ (mg/l)	PO ₄ (mg/l)	F (mg/l)	Fe (mg/l)	As (ppb)	Pb (ppb)	Total Coliforms	E.Coli	Safe/Unsafe	Permissible Limit (PQL/CCL)			
																																		6.5-8.5	5.0	C.Less	Un.Obj
1	SAR-01	Dhal	Bhawal	Govt. Elementary School Dhal	H.Pump	35	563	7.3	0.8	C.Less	Un.Obj	Un.Obj	Un.Obj	310	6	285	BDL	18	33	68	22	260	13	1	1.30	0.06	0.20	0.00	0.25	0.20	+ve	+ve	Unsafe				
2	SAR-02	Dhal	Bhawal	Muhammad Aslam	H.Pump	50	1690	7.1	0.0	C.Less	Un.Obj	Un.Obj	1160	13	670	BDL	121	82	64	53	380	118	17	1.00	0.05	0.14	0.02	0.91	4.12	+ve	+ve	Unsafe					
3	SAR-03	Dhal	Bhawal	Jari Aka Dhal	H.Pump	35	860	7.3	0.0	C.Less	Un.Obj	Un.Obj	510	6	319	BDL	14	85	32	58	320	64	2	1.50	0.08	0.10	0.01	0.99	5.79	+ve	+ve	Unsafe					
4	SAR-04	Dhal	Bhawal	Gulzar ke factory	H.Pump	55	500	7.3	1.4	C.Less	Un.Obj	Un.Obj	510	6	319	BDL	14	85	32	58	320	64	2	1.50	0.08	0.10	0.01	0.99	5.79	+ve	+ve	Unsafe					
5	SAR-05	Dhal	Bhawal	Masjed Masjed Shah Pur Road	H.Pump	50	1065	7.4	1.1	C.Less	Un.Obj	Un.Obj	660	6	340	BDL	66	71	112	34	420	65	3	0.90	0.07	0.10	0.02	0.85	3.10	+ve	+ve	Unsafe					
6	SAR-06	Dhal	Bhawal	Dera Dost Mohammad Masjed	H.Pump	50	880	6.9	2.1	C.Less	Un.Obj	Un.Obj	528	7	270	BDL	28	35	64	51	370	23	3	1.30	0.05	0.22	0.01	0.39	3.68	+ve	+ve	Unsafe					
7	SAR-07	Dhal	Bhawal	Muhammad Basir	H.Pump	35	860	7.2	1.2	C.Less	Un.Obj	Un.Obj	516	8	375	BDL	28	46	56	41	310	60	1	1.20	0.06	0.38	0.02	0.32	7.54	+ve	+ve	Unsafe					
8	SAR-08	Dhal	Bhawal	Mir.Matali Dera Bohra Wala	H.Pump	35	735	7.2	1.5	C.Less	Un.Obj	Un.Obj	426	6	280	BDL	18	66	48	43	330	40	7	1.30	0.05	0.33	0.02	0.40	2.18	+ve	+ve	Unsafe					
9	SAR-09	Dhal	Bhawal	Dera Yar Muhammad	H.Pump	40	865	7.2	1.2	C.Less	Un.Obj	Un.Obj	483	5	270	BDL	43	102	56	41	310	42	22	0.40	0.06	0.38	0.01	0.87	3.69	+ve	+ve	Unsafe					
10	SAR-10	Dhal	Bhawal	Govt Girls Primary School	H.Pump	40	820	7.3	0.8	C.Less	Un.Obj	Un.Obj	492	6	280	BDL	32	92	64	39	320	59	5	0.70	0.05	0.30	0.02	0.91	4.11	+ve	+ve	Unsafe					
11	SAR-11	Chak Ramdas	Bhawal	Union Council Office	H.Pump	40	897	7.0	1.3	C.Less	Un.Obj	Un.Obj	538	6	320	BDL	60	79	144	2	370	51	2	1.70	0.04	0.14	0.02	0.57	2.96	+ve	+ve	Unsafe					
12	SAR-12	Chak Ramdas	Bhawal	Bus Stop Naved Medical Store	H.Pump	40	1220	7.0	1.7	C.Less	Un.Obj	Un.Obj	781	2	360	BDL	67	123	108	58	500	59	2	1.50	0.06	0.10	0.02	0.45	1.66	+ve	+ve	Unsafe					
13	SAR-13	Chak Ramdas	Bhawal	Besher Nam wala	H.Pump	40	1220	7.2	3.4	C.Less	Un.Obj	Un.Obj	781	7	340	BDL	131	153	72	58	420	93	3	0.50	0.08	0.20	0.03	0.44	4.53	+ve	+ve	Unsafe					
14	SAR-14	Chak Ramdas	Bhawal	Govt Boys High School	H.Pump	40	1118	7.0	1.4	C.Less	Un.Obj	Un.Obj	715	6	280	BDL	109	95	114	42	460	60	3	1.30	0.09	0.10	0.01	0.60	1.72	+ve	+ve	Unsafe					
15	SAR-15	Chak Ramdas	Bhawal	Shahayyar Wood Works	H.Pump	45	757	7.2	3.4	C.Less	Un.Obj	Un.Obj	439	7	330	BDL	32	99	64	36	310	64	1	0.40	0.02	0.12	0.07	1.11	3.36	+ve	+ve	Unsafe					
16	SAR-16	Wasdi	Chak Ramdas	Govt Boys Elementary School	H.Pump	40	812	7.4	0.8	C.Less	Un.Obj	Un.Obj	498	6	290	BDL	50	104	48	27	230	92	2	0.40	BDL	0.26	0.01	1.20	2.49	+ve	+ve	Unsafe					
17	SAR-17	Wasdi	Chak Ramdas	Mir. Ahsanul	H.Pump	35	1247	7.2	1.0	C.Less	Un.Obj	Un.Obj	798	7	360	BDL	110	71	80	48	400	108	6	1.00	0.60	0.25	0.01	6.52	1.12	+ve	+ve	Unsafe					
18	SAR-18	Wasdi	Chak Ramdas	Masjed Botar Wala	H.Pump	35	1010	7.2	0.7	C.Less	Un.Obj	Un.Obj	600	7	300	BDL	85	140	72	39	340	89	2	0.90	0.05	0.20	0.01	0.29	0.49	+ve	+ve	Unsafe					
19	SAR-19	Wasdi	Chak Ramdas	Dera	H.Pump	45	1798	7.1	1.6	C.Less	Un.Obj	Un.Obj	1922	7	370	BDL	195	245	64	60	410	205	5	2.50	0.07	0.22	0.01	0.35	3.68	+ve	+ve	Unsafe					
20	SAR-20	Wasdi	Chak Ramdas	Masjed Inang Stop	H.Pump	45	456	7.3	0.8	C.Less	Un.Obj	Un.Obj	251	4	190	BDL	21	18	26	34	230	11	1	1.00	0.08	0.25	0.01	0.72	0.70	+ve	+ve	Unsafe					
21	SAR-21	Dodha	Bhawal	Nalwa Masjed Stop	H.Pump	35	1257	7.2	0.9	C.Less	Un.Obj	Un.Obj	514	5	370	BDL	77	108	56	72	440	95	5	1.50	0.07	0.51	0.01	1.33	2.30	+ve	+ve	Unsafe					
22	SAR-22	Dodha	Bhawal	Rana Tea Stop	H.Pump	30	705	7.6	1.0	C.Less	Un.Obj	Un.Obj	423	5	250	BDL	25	100	40	24	200	89	5	1.50	0.08	0.30	0.01	0.93	0.32	+ve	+ve	Unsafe					
23	SAR-23	Dodha	Bhawal	Masjed Dooha Road	H.Pump	30	693	7.4	0.6	C.Less	Un.Obj	Un.Obj	402	4	210	BDL	21	150	60	31	280	42	5	1.00	0.07	0.40	0.02	2.35	80.32	+ve	+ve	Unsafe					
24	SAR-24	Dodha	Bhawal	Govt Boys High School	H.Pump	30	858	7.3	0.8	C.Less	Un.Obj	Un.Obj	492	6	280	BDL	32	92	64	39	320	59	5	0.70	0.05	0.30	0.02	0.91	4.11	+ve	+ve	Unsafe					
25	SAR-25	Dodha	Bhawal	Mehroz cycles works	H.Pump	35	1030	6.7	1.0	C.Less	Un.Obj	Un.Obj	618	7	350	BDL	27	160	80	48	400	74	5	1.00	0.06	0.32	0.02	0.91	0.24	+ve	+ve	Unsafe					
26	SAR-26	Ikseem	Bhawal	Munier Service	H.Pump	30	846	7.1	3.6	C.Less	Un.Obj	Un.Obj	491	8	410	BDL	25	25	90	47	420	28	6	1.50	0.05	0.13	0.00	8.39	0.96	+ve	+ve	Unsafe					
27	SAR-27	Ikseem	Bhawal	Jamia masjed Haidar	H.Pump	35	314	7.7	1.2	C.Less	Un.Obj	Un.Obj	173	3	135	BDL	14	20	40	19	180	5	3	0.30	0.04	0.10	0.02	1.27	2.11	+ve	+ve	Unsafe					
28	SAR-28	Ikseem	Bhawal	Govt. Boys High School	H.Pump	40	1138	7.2	1.7	C.Less	Un.Obj	Un.Obj	504	5	370	BDL	109	95	114	42	460	60	3	1.30	0.09	0.10	0.01	0.60	1.72	+ve	+ve	Unsafe					
29	SAR-29	Ikseem	Bhawal	Hevin Oil Mills	H.Pump	35	865	7.2	5.0	C.Less	Un.Obj	Un.Obj	502	7	330	BDL	32	99	64	36	310	64	1	0.40	0.02	0.12	0.07	1.11	3.36	+ve	+ve	Unsafe					
30	SAR-30	Jan Mohammad wala	Bhawal	Govt. Girls Elementary School	H.Pump	30	1045	7.4	1.16	C.Less	Un.Obj	Un.Obj	626	6	290	BDL	53	183	96	29	360	94	9	0.80	0.03	0.18	0.00	1.47	1.43	+ve	+ve	Unsafe					
31	SAR-31	Jan Mohammad wala	Bhawal	Govt Primary School	H.Pump	30	945	7.3	0.5	C.Less	Un.Obj	Un.Obj	561	6	300	BDL	60	79	144	2	370	51	2	1.70	0.04	0.14	0.02	0.57	2.96	+ve	+ve	Unsafe					
32	SAR-32	Jan Mohammad wala	Bhawal	Govt Primary School	H.Pump	30	905	7.3	4.7	C.Less	Un.Obj	Un.Obj	561	6	275	BDL	21	177	80	46	390	62	7	1.00	0.05	0.20	0.02	10.98	1.26	+ve	+ve	Unsafe					
33	SAR-33	Jan Mohammad wala	Bhawal	Dera Qadir gad	H.Pump	40	1265	7.2	0.4	C.Less	Un.Obj	Un.Obj	810	8	380	BDL	28	244	84	43	390	118	6	0.20	0.06	0.20	0.03	0.48	1.83	+ve	+ve	Unsafe					
34	SAR-34	Jan Mohammad wala	Bhawal	Dera Malik Aka	T. well	100	980	7.2	0.9	C.Less	Un.Obj	Un.Obj	608	6	280	BDL	28	190	72	49	385	64	6	BDL	0.07	0.16	0.04	0.31	89.20	20.00	+ve	+ve	Unsafe				
35	SAR-35	Chak khana	Goma	Chak chack kasa colony	H.Pump	35	730	7.4	0.8	C.Less	Un.Obj	Un.Obj	423	5	250	BDL	25	100	40	24	200	89	5	1.50	0.08	0.30	0.01	0.93	0.32	+ve	+ve	Unsafe					
36	SAR-36	Chak khana	Goma	Dera Bagh wala	H.Pump	30	990	7.1	2.0	C.Less	Un.Obj	Un.Obj	614	7	370	BDL	14	111	80	51	410	59	6	BDL	0.04	0.20	0.02	0.39	2.32	+ve	+ve	Unsafe					
37	SAR-37	Chak khana	Goma	Dera Lala	H.Pump	35	995	7.2	2.9	C.Less	Un.Obj	Un.Obj	617	7	350	BDL	18	122	88	45	405	59	6	1.30	0.05	0.15	0.01	8.37	4.82	+ve	+ve	Unsafe					
38	SAR-38	Chak khana	Goma	Dera Jaid Khan	H.Pump	30	960	7.3	0.0	C.Less	Un.Obj	Un.Obj	425	4	260																						

Sl. No	Sample Code	Village	Union Council	Tehsil	Location	Source	Depth (ft)	Water Table Depth (ft)	EC µS/cm	pH	Turbidity NTU	Color	Taste	Odor	TDS	Alk mg/l	HCO ₃ mg/l	CO ₂	Cl mg/l	SO ₄ mg/l	Ca mg/l	Mg mg/l	Hardness mg/l	K mg/l	Na mg/l	NO ₂ mg/l	PO ₄ mg/l	F mg/l	Fe mg/l	As ppb	Pb ppb	Total Coliforms	E.Coli	Safe/Unsafe
201	SAR-205	Salam	Bhalwal	Govt. Boys Primary School	H.Pump	30	4220	7.3	2.6	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	1800	NOVS	NOVS	NOVS	200	800	NOVS	NOVS	NOVS	NOVS	NOVS	NOVS	2.50	0.30	50.00	50.00	+	+	Safe	
202	SAR-206	Salam	Bhalwal	Govt. Boys Primary School	H.Pump	30	4220	7.3	2.6	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	1800	NOVS	NOVS	NOVS	200	800	NOVS	NOVS	NOVS	NOVS	NOVS	NOVS	2.50	0.30	50.00	50.00	+	+	Safe	
203	SAR-207	Salam	Bhalwal	Tanga Sarand Salam	H.Pump	30	2220	7.5	1.2	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	1510	9	470	BOL	151	289	16	23	135	450	76	1.40	0.04	1.88	28	4.41	4.20	+	+	Unsafe
204	SAR-208	Salam	Bhalwal	Govt. Girls Primary School	H.Pump	30	2600	7.3	2.0	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	1768	11	530	BOL	213	270	40	41	270	350	152	3.40	0.07	1.88	0.30	1.30	2.00	+	+	Unsafe
205	SAR-209	Salam	Bhalwal	Govt. Girls Elementary School	H.Pump	30	1030	8.1	0.3	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	5418	7	370	BOL	39	133	37	57	315	114	4	0.90	0.05	1.06	0.29	1.80	3.33	+	+	Unsafe
210	SAR-210	Dhori	Bhalwal	Govt. Girls Elementary School	H.Pump	40	1180	7.4	2.0	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	708	7	340	BOL	125	95	104	39	420	47	8	BOL	0.05	1.06	0.29	0.64	3.78	+	+	Unsafe
211	SAR-211	Dhori	Bhalwal	Dhori Pull Tanga Stand	H.Pump	25	611	7.1	1.0	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	354	5	230	BOL	32	46	72	24	280	19	3	0.50	0.05	0.14	0.02	0.72	1.99	+	+	Unsafe
212	SAR-212	Dhori	Bhalwal	Hawali Mr. Muhammad Ameer	H.Pump	30	1444	7.4	2.0	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	896	7	320	BOL	110	216	40	43	280	178	52	1.80	0.06	1.44	0.01	1.96	7.03	+	+	Unsafe
213	SAR-213	Dhori	Bhalwal	Dhori Dhori	H.Pump	40	1240	7.4	1.0	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	769	8	385	BOL	82	193	37	34	270	128	38	1.10	0.05	0.69	0.04	0.82	15.12	+	+	Unsafe
214	SAR-214	Dhori	Bhalwal	Govt. Boys High School	H.Pump	40	745	7.7	0.7	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	432	5	260	BOL	38	78	32	31	250	104	3	0.50	0.05	1.39	0.06	1.70	3.73	+	+	Unsafe
215	SAR-215	Rato Kala	Bhalwal	Dera Haji Fazal Din	H.Pump	30	1250	7.7	0.8	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	775	10	500	BOL	46	101	12	31	160	255	3	1.00	0.05	1.70	0.03	4.83	4.20	+	+	Unsafe
216	SAR-216	Rato Kala	Bhalwal	Govt. Boys Primary School	H.Pump	30	955	7.4	0.4	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	573	7	360	BOL	27	110	24	29	180	178	2	1.20	0.05	0.82	0.01	1.90	7.84	+	+	Unsafe
217	SAR-217	Rato Kala	Bhalwal	Nazar Hasean Kanawa Store	H.Pump	25	1181	7.0	0.4	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	1704	10	500	BOL	156	300	44	41	380	205	2	0.70	0.05	0.82	0.01	0.71	1.36	+	+	Unsafe
218	SAR-218	Rato Kala	Bhalwal	Rato Kalan Pull Stop	H.Pump	30	756	7.5	2.4	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	438	6	290	BOL	21	72	20	19	170	79	40	0.60	0.05	2.20	0.07	1.41	0.76	+	+	Unsafe
219	SAR-219	Rato Kala	Bhalwal	B.H.U Rato Kala	H.Pump	40	1120	7.3	1.7	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	552	7	370	BOL	32	90	20	36	200	152	2	0.80	0.06	0.60	0.02	1.45	3.02	+	+	Unsafe
220	SAR-220	Hafth Wind	Bhalwal	Khan Muhammad wala	H.Pump	30	997	7.2	1.0	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	508	7	340	BOL	53	111	44	60	350	91	5	1.00	0.04	0.70	0.02	1.10	1.44	+	+	Unsafe
221	SAR-221	Hafth Wind	Bhalwal	Dera moharik Gondhal	H.Pump	30	1239	7.4	0.7	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	768	6	280	BOL	110	235	56	515	89	12	1.10	0.05	0.47	0.03	0.04	1.09	+	+	Unsafe	
222	SAR-222	Hafth Wind	Bhalwal	Jamia Masjid Tibi wala	H.Pump	80	1435	7.5	1.1	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	890	6	320	BOL	89	115	36	68	370	100	99	16.00	0.06	0.70	0.01	1.41	0.98	+	+	Unsafe
223	SAR-223	Hafth Wind	Bhalwal	Kul Sweet House	H.Pump	40	656	7.4	0.4	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	380	5	240	BOL	32	31	32	41	265	33	33	0.80	0.06	0.44	0.03	4.80	0.64	+	+	Unsafe
224	SAR-224	Hafth Wind	Bhalwal	Iskane Abadi	H.Pump	25	1294	7.2	2.7	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	746	8	400	BOL	89	191	36	31	220	20	2	1.00	0.05	0.76	0.04	1.13	3.05	+	+	Unsafe
225	SAR-225	Deowal	Bhalwal	Muhammadi Deowal	H.Pump	25	6540	7.1	2.0	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	4578	10	510	BOL	1540	1421	48	121	620	1180	9	1.20	0.06	1.10	0.12	1.66	4.44	+	+	Unsafe
226	SAR-226	Deowal	Bhalwal	Din Noor Masjid	H.Pump	25	2100	7.5	0.9	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	1438	9	470	BOL	167	380	20	48	250	450	4	0.50	0.05	1.70	0.03	2.13	3.46	+	+	Unsafe
227	SAR-227	Deowal	Bhalwal	Boys Primary School	H.Pump	25	2450	7.4	0.2	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	1666	8	400	BOL	124	225	66	66	400	5	1.00	0.05	0.35	0.03	6.30	4.70	+	+	Unsafe	
228	SAR-228	Deowal	Bhalwal	Jamia Masjid Deowal	H.Pump	35	2240	7.3	0.5	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	1523	12	605	BOL	234	212	24	46	250	395	7	2.50	0.05	0.62	0.10	1.95	3.42	+	+	Unsafe
229	SAR-229	Deowal	Bhalwal	Dera Sharif Gondal	H.Pump	30	2740	7.4	1.7	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	1918	11	560	BOL	305	350	24	34	200	540	2	0.60	0.05	0.82	0.04	1.53	1.80	+	+	Unsafe
230	SAR-230	Hazoor Pur	Bhalwal	Masjid Dider Abad	H.Pump	30	555	6.7	0.3	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	205	5	250	BOL	11	24	68	21	260	19	2	1.00	0.06	0.20	0.04	0.40	2.89	+	+	Unsafe
231	SAR-231	Hazoor Pur	Bhalwal	Masjid Ghana Hazoor Pur	H.Pump	40	1080	7.3	0.3	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	89	6	400	BOL	60	10	140	0	160	60	2	1.00	0.05	0.17	0.07	0.40	1.52	+	+	Unsafe
232	SAR-232	Hazoor Pur	Bhalwal	Girls Elementary School	H.Pump	30	887	7.3	0.6	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	529	6	290	BOL	39	200	80	36	350	59	7	0.30	0.07	0.25	0.14	0.30	1.27	+	+	Unsafe
233	SAR-233	Hazoor Pur	Bhalwal	Railway Station	H.Pump	30	1081	7.2	0.3	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	648	6	320	BOL	85	102	88	46	410	75	3	1.40	0.08	0.23	0.03	0.36	2.89	+	+	Unsafe
234	SAR-234	Hazoor Pur	Bhalwal	Union Council Office	H.Pump	30	869	7.4	0.8	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	38	3	290	BOL	14	66	80	36	350	7	1.00	0.06	0.20	0.06	0.56	6.01	+	+	Unsafe	
235	SAR-235	Wadhwan	Bhalwal	Govt. Boys Primary School	H.Pump	30	749	7.3	8.9	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	434	6	310	BOL	43	34	68	34	310	40	2	1.40	0.07	0.28	0.03	1.64	8.03	+	+	Unsafe
236	SAR-236	Wadhwan	Bhalwal	Govt. Girls Elementary School	H.Pump	35	766	7.5	3.9	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	444	7	320	BOL	28	70	60	31	280	64	3	0.60	0.08	0.30	0.12	1.10	3.07	+	+	Unsafe
237	SAR-237	Wadhwan	Bhalwal	Islamic primary school	H.Pump	25	738	7.2	3.8	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	428	6	320	BOL	18	53	72	34	320	40	3	1.60	0.08	0.20	0.02	22.15	2.75	+	+	Unsafe
238	SAR-238	Wadhwan	Bhalwal	Mr.Ameer wala	H.Pump	25	1288	7.2	0.2	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	645	6	425	BOL	28	76	48	34	310	185	78	1.70	0.08	0.28	0.01	20.11	3.45	+	+	Unsafe
239	SAR-239	Wadhwan	Bhalwal	Dera M. Asghar	H.Pump	40	703	7.4	2.1	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	408	6	300	BOL	28	20	48	22	250	59	34	0.10	0.07	0.22	0.02	5.51	1.79	+	+	Unsafe
240	SAR-240	Not Ahmad Khan	Bhalwal	Central primary school	H.Pump	30	1802	7.2	0.7	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	1153	5	225	BOL	198	61	140	63	610	128	5	1.10	0.06	0.14	0.01	0.47	1.16	+	+	Unsafe
241	SAR-241	Not Ahmad Khan	Bhalwal	Govt. Boys Primary School	H.Pump	30	924	7.3	1.2	C.Less	Un.Obt	Un.Obt	Un.Obt	Un.Obt	536	6	310	BOL	53	76	37	31	310	89	2	2.60	0.04	0.16						

Sl. No.	Sample Code	Village	Union Council	Tehsil	Location	Source	Depth (ft)	Water Table Depth (ft)	EC µS/cm	pH	Turbidity NTU	Color	Taste	Odor	TDS	Alk mg/l	HCO ₃ mg/l	CO ₂	Cl mg/l	SO ₄ mg/l	Ca mg/l	Mg mg/l	Hardness mg/l	K mg/l	Na mg/l	NO ₂ mg/l	NO ₃ mg/l	F mg/l	Fe mg/l	As ppb	Pb ppb	Total Coliforms	E.Coli	Safe/Unsafe
411	SAR-411	Chak No. 52 NB	Chak No. 52 NB	Sargodha	Chak 52 A, Adip	H.Pump	20	1125	8.2	0.0	C.Less	UnObj	Obj	698	7	240	BDL	57	180	26	35	210	15	31	8.90	0.03	0.85	0.02	0.39	0.10	-ve	-ve	Safe	
412	SAR-412	Chak No. 52 NB	Chak No. 52 NB	Sargodha	Near Chak 52 A NB	H.Pump	26	1486	7.5	0.0	C.Less	UnObj	Obj	1066	13	655	BDL	131	76	46	21	200	30	5	5.34	0.50	15.01	0.04	0.49	1.53	+ve	-ve	Unsafe	
413	SAR-413	Chak No. 52 NB	Chak No. 52 NB	Sargodha	Nasir Hayat Chak 52 A NB	H.Pump	30	1713	7.5	0.0	C.Less	UnObj	Obj	1066	13	655	BDL	131	76	46	21	200	30	5	5.34	0.50	15.01	0.04	0.49	1.53	+ve	-ve	Unsafe	
414	SAR-414	Chak No. 52 NB	Chak No. 52 NB	Sargodha	Haji Qudus Masood Chak 52 NB	H.Pump	20	1330	7.8	0.0	C.Less	UnObj	Obj	181	3	130	BDL	14	13	30	18	150	12	3	0.96	0.06	0.27	0.01	0.42	0.91	+ve	-ve	Unsafe	
415	SAR-415	Chak No. 66 NB	Chak No. 66 NB	Sargodha	Muhammad Ali Chak No. 66 NB	H.Pump	35	1348	7.5	0.0	C.Less	UnObj	Obj	834	11	570	BDL	124	166	56	28	255	20	10	1.30	0.07	1.08	0.03	0.26	0.17	+ve	-ve	Unsafe	
416	SAR-416	Chak No. 66 NB	Chak No. 66 NB	Sargodha	Muhammad Iqbal Chak No. 66 NB	H.Pump	40	1130	8.0	0.0	C.Less	UnObj	Obj	700	8	410	BDL	66	103	20	28	165	189	16	6.50	0.03	0.46	0.02	0.60	0.77	+ve	-ve	Unsafe	
417	SAR-417	Chak No. 66 NB	Chak No. 66 NB	Sargodha	Muhammad Iqbal Chak No. 66 NB	H.Pump	40	1038	8.8	0.2	C.Less	UnObj	Obj	623	8	410	BDL	39	77	12	18	105	190	3	7.80	0.02	0.35	0.02	15.69	2.77	+ve	-ve	Unsafe	
418	SAR-418	Chak No. 66 NB	Chak No. 66 NB	Sargodha	Muhammad Younas Chak No. 66 NB	H.Pump	25	1056	7.6	0.1	C.Less	UnObj	Obj	633	8	385	BDL	50	121	34	49	285	118	29	8.90	0.04	0.37	0.02	0.48	1.88	+ve	-ve	Unsafe	
419	SAR-419	Chak No. 66 NB	Chak No. 66 NB	Sargodha	Hafiz Nawaz Chak No. 66 NB	H.Pump	30	902	7.4	0.1	C.Less	UnObj	Obj	541	6	310	BDL	36	100	30	250	92	10	5.90	0.05	0.25	0.14	0.37	0.99	+ve	-ve	Unsafe		
420	SAR-420	Chak No. 74 NB	Chak No. 74 NB	Sargodha	Malik Wasir Chak No. 74 NB	H.Pump	20	721	7.4	0.0	C.Less	UnObj	Obj	418	6	290	BDL	18	26	38	54	320	30	2	8.50	0.04	0.29	0.13	1.58	0.89	+ve	-ve	Unsafe	
421	SAR-421	Chak No. 74 NB	Chak No. 74 NB	Sargodha	Malik Asim Chak No. 74 NB	H.Pump	25	875	7.3	0.0	C.Less	UnObj	Obj	525	7	335	BDL	28	65	100	34	400	39	2	12.00	0.03	0.32	0.04	0.60	1.77	+ve	-ve	Unsafe	
422	SAR-422	Chak No. 74 NB	Chak No. 74 NB	Sargodha	Govt. High School	H.Pump	30	740	7.8	0.0	C.Less	UnObj	Obj	429	6	300	BDL	23	44	38	46	285	53	5	6.90	0.04	0.41	0.05	0.53	4.39	+ve	-ve	Unsafe	
423	SAR-423	Chak No. 74 NB	Chak No. 74 NB	Sargodha	Mohasez High School	H.Pump	35	761	7.8	0.0	C.Less	UnObj	Obj	491	6	300	BDL	27	42	46	45	300	52	5	6.70	0.04	0.43	0.01	0.48	5.68	+ve	-ve	Unsafe	
424	SAR-424	Chak No. 74 NB	Chak No. 74 NB	Sargodha	Malik Mahmood Chak No. 74 NB	H.Pump	30	942	7.4	0.3	C.Less	UnObj	Obj	565	9	425	BDL	21	55	82	35	350	92	3	4.23	0.10	0.43	0.11	0.41	2.13	+ve	-ve	Unsafe	
425	SAR-425	Chak No. 190 NB	Chak No. 190 NB	Sargodha	M Khan Chak No. 190 NB	H.Pump	25	6740	7.0	0.8	C.Less	UnObj	Obj	4718	6	290	BDL	1574	691	220	84	895	1040	43	0.06	0.09	0.53	0.02	0.54	3.25	+ve	-ve	Unsafe	
426	SAR-426	Chak No. 190 NB	Chak No. 190 NB	Sargodha	Mohseza	H.Pump	30	828	7.2	0.3	C.Less	UnObj	Obj	495	4	210	BDL	94	127	56	129	255	74	2	0.33	0.08	0.61	0.02	1.06	2.78	+ve	-ve	Unsafe	
427	SAR-427	Chak No. 190 NB	Chak No. 190 NB	Sargodha	Alfzal Chak No. 190 NB	H.Pump	30	7040	7.1	0.0	C.Less	UnObj	Obj	4224	6	310	BDL	1560	589	168	100	830	1200	60	0.01	0.06	0.55	0.01	0.49	0.55	+ve	-ve	Unsafe	
428	SAR-428	Chak No. 190 NB	Chak No. 190 NB	Sargodha	M Riaz Chak No. 190 NB	H.Pump	40	688	7.4	0.1	C.Less	UnObj	Obj	4816	6	290	BDL	674	642	228	107	1010	1060	6	BDL	0.08	1.03	0.04	0.57	0.80	-ve	-ve	Unsafe	
429	SAR-429	Chak No. 190 NB	Chak No. 190 NB	Sargodha	Kerman Chak No. 190 NB	H.Pump	20	1332	7.6	0.4	C.Less	UnObj	Obj	875	6	285	BDL	181	95	78	38	350	124	6	0.61	0.04	0.67	0.01	1.28	1.35	+ve	-ve	Unsafe	
430	SAR-430	Chak No. 84 NB	Chak No. 84 NB	Sargodha	Shahid Petroleum	H.Pump	40	1607	8.6	0.6	C.Less	UnObj	Obj	1009	10	488	BDL	83	155	8	15	80	890	1	0.17	0.03	0.33	0.02	0.54	1.89	+ve	-ve	Unsafe	
431	SAR-431	Chak No. 84 NB	Chak No. 84 NB	Sargodha	Haji Sharif Chak No. 84 NB	H.Pump	35	798	7.5	0.6	0.0	C.Less	UnObj	Obj	481	8	380	BDL	16	23	48	45	305	71	4	0.01	0.05	0.38	0.03	0.40	1.80	+ve	-ve	Unsafe
432	SAR-432	Chak No. 84 NB	Chak No. 84 NB	Sargodha	Jamia Mosque Sakai	H.Pump	25	1164	8.3	2.9	C.Less	UnObj	Obj	698	8	390	BDL	53	74	8	12	70	250	2	0.00	0.34	0.12	0.02	0.46	1.70	+ve	-ve	Unsafe	
433	SAR-433	Chak No. 84 NB	Chak No. 84 NB	Sargodha	Adna Chak No. 84 NB	H.Pump	30	998	7.9	0.0	C.Less	UnObj	Obj	722	6	300	BDL	124	166	28	17	130	94	3	0.02	0.02	0.42	0.19	0.42	1.69	+ve	-ve	Unsafe	
434	SAR-434	Chak No. 84 NB	Chak No. 84 NB	Sargodha	Fateh Khan Chak No. 84 NB	H.Pump	28	1463	8.7	0.0	C.Less	UnObj	Obj	1007	6	320	BDL	78	230	6	15	75	300	2	2.60	0.20	0.44	0.04	0.30	3.43	+ve	-ve	Unsafe	
435	SAR-435	Chak No. 71 NB	Chak No. 71 NB	Sargodha	Aziz Butt Town	H.Pump	20	1018	7.4	0.0	C.Less	UnObj	Obj	610	7	350	BDL	55	130	56	46	330	82	10	2.00	0.00	0.29	0.03	0.45	1.60	+ve	-ve	Unsafe	
436	SAR-436	Chak No. 71 NB	Chak No. 71 NB	Sargodha	Jamia Mosque Main Road	H.Pump	25	1091	7.1	0.0	C.Less	UnObj	Obj	654	8	400	BDL	44	117	100	49	450	60	10	10.00	0.07	0.17	0.02	0.25	1.47	+ve	-ve	Unsafe	
437	SAR-437	Chak No. 71 NB	Chak No. 71 NB	Sargodha	Near Ship Keeper	H.Pump	25	1244	8.7	0.0	C.Less	UnObj	Obj	707	6	300	BDL	66	100	20	20	78	7	1	1.90	0.05	0.13	0.03	0.35	0.46	+ve	-ve	Unsafe	
438	SAR-438	Chak No. 71 NB	Chak No. 71 NB	Sargodha	Dr. Ehsan Chak No. 71 NB	H.Pump	30	1173	7.7	0.1	C.Less	UnObj	Obj	703	6	320	BDL	69	146	48	41	290	152	5	1.50	0.12	0.07	0.01	0.96	1.64	+ve	-ve	Unsafe	
439	SAR-439	Chak No. 71 NB	Chak No. 71 NB	Sargodha	Abid Chak No. 71 NB	H.Pump	40	955	7.5	0.0	C.Less	UnObj	Obj	327	5	260	BDL	18	19	48	38	275	19	5	3.30	0.06	0.27	0.03	BDL	2.35	+ve	-ve	Unsafe	
440	SAR-440	Chak No. 70 NB	Chak No. 70 NB	Sargodha	Community	H.Pump	20	988	7.9	0.0	C.Less	UnObj	Obj	444	4	260	BDL	44	66	44	30	200	61	3	0.00	0.02	0.22	0.04	0.61	1.70	+ve	-ve	Unsafe	
441	SAR-441	Chak No. 70 NB	Chak No. 70 NB	Sargodha	Opposite Dubai Travel	H.Pump	25	725	7.7	0.0	C.Less	UnObj	Obj	420	7	350	BDL	9	40	17	170	102	2	1	1.00	0.04	0.16	0.03	BDL	1.53	+ve	-ve	Unsafe	
442	SAR-442	Chak No. 70 NB	Chak No. 70 NB	Sargodha	Latif Chak No. 70 NB	H.Pump	25	1105	7.2	0.3	C.Less	UnObj	Obj	663	8	390	BDL	52	51	76	63	450	61	16	12.40	0.09	0.26	0.02	BDL	1.37	+ve	-ve	Unsafe	
443	SAR-443	Chak No. 70 NB	Chak No. 70 NB	Sargodha	M Almir Chak No. 70 NB	H.Pump	35	954	7.6	0.3	C.Less	UnObj	Obj	572	7	350	BDL	39	66	48	53	340	52	7	5.50	0.08	0.21	0.00	0.15	2.74	+ve	-ve	Unsafe	
444	SAR-444	Chak No. 70 NB	Chak No. 70 NB	Sargodha	Kala Khaw Chak No. 70 NB	H.Pump	30	786	7.5	5.0	C.Less	UnObj	Obj	455	6	280	BDL	28	85	60	49	350	30	5	1.00	0.04	0.52	0.01	0.7	5.68	+ve	-ve	Unsafe	
445	SAR-445	Chak No. 91 NB	Chak No. 91 NB	Sargodha	Nasir Ahmed Chak No. 91 NB	H.Pump	20-25	967	7.8	0.5	C.Less	UnObj	Obj	580	6	320	BDL	42	77	46	26	220	124	35	1.20	0.05	0.17	0.02	0.39	0.68	+ve	-ve	Unsafe	
446	SAR-446	Chak No. 91 NB	Chak No. 91 NB	Sargodha	Muhammad Asim Chak No. 91 NB	H.Pump	25	1409	7.4	0.5	C.Less	UnObj	Obj	873	9	430	BDL	82	191	64	15	220	25	2	14.20	0.08	1.13	0.05	0.26	0.78	+ve	-ve	Unsafe	
447	SAR-447	Chak No. 91 NB	Chak No. 91 NB	Sargodha	Orsai Agency	H.Pump	35	2250	8.4	0.2	C.Less	UnObj	Obj	1509	12	635	BDL	156	379	72	5	140	395	275	19.40</									

Sl. No	Sample Code	Village	Union Council	Tehsil	Location	Source	Depth (ft)	Water Table Depth (ft)	EC µS/cm	pH	Turbidity NTU	Color	Taste	Odor	TDS	Al ³⁺ mg/l	HCO ₃ ⁻ mg/l	CO ₂	Cl mg/l	SO ₄ mg/l	Ca mg/l	Mg mg/l	Hardness mg/l	K mg/l	Na mg/l	NO ₃ ⁻ mg/l	PO ₄ ⁻³ mg/l	F mg/l	Fe mg/l	As mg/l	Pb mg/l	Total Coliforms	E.Coli	Safe/Unsafe
511	SAR-511	Stop Chak 161 NB Jhanna	Chak 161 NB	Sillawan	Stop Chak 161 NB Jhanna	H.Pump	30	863	7.2	0.0	C.Less	Un-Obj	Obj	1800	NEWS	NEWS	NEWS	250	500	NEWS	NEWS	200	NEWS	NEWS	1000	NEWS	2.50	0.30	50.00	50.00	+	+	Safe	
512	SAR-512	GPS Chak 161 NB Jhanna	Chak 161 NB	Sillawan	GPS Chak 161 NB Jhanna	H.Pump	60	1312	7.6	3.2	C.Less	Un-Obj	Obj	1077	6	320	BDL	28	61	52	24	230	107	1	BDL	0.29	0.17	0.02	0.75	1.79	+	+	Unsafe	
513	SAR-513	GPS Chak 161 NB Jhanna	Chak 161 NB	Sillawan	GPS Chak 161 NB Jhanna	H.Pump	60	1312	7.6	3.2	C.Less	Un-Obj	Obj	813	9	460	BDL	127	86	16	22	130	245	3	0.40	0.17	0.26	1.40	1.98	+	+	Unsafe		
514	SAR-514	GPS Chak 161 NB Jhanna	Chak 161 NB	Sillawan	GPS Chak 161 NB Jhanna	H.Pump	45	2070	7.3	0.0	C.Less	Un-Obj	Obj	1345	11	570	BDL	236	234	76	51	400	327	7	BDL	0.19	0.44	0.00	36.24	2.47	+	+	Unsafe	
515	SAR-515	F.G. Girls Primary School Chak 161 NB Jhanna	Chak 161 NB	Sillawan	F.G. Girls Primary School Chak 161 NB Jhanna	H.Pump	35	977	7.9	0.0	C.Less	Un-Obj	Obj	2559	8	430	BDL	279	312	40	46	290	253	3	0.10	0.13	0.56	0.30	23.65	2.21	+	+	Unsafe	
516	SAR-516	Chak 152 NB	Chak 152 NB	Sillawan	Chak 152 NB	H.Pump	45	977	7.9	0.0	C.Less	Un-Obj	Obj	905	6	290	BDL	113	94	16	24	140	160	12	BDL	0.29	0.63	0.00	82.34	2.18	+	+	Unsafe	
517	SAR-517	Shahed Masjid Chak 152 NB	Chak 152 NB	Sillawan	Shahed Masjid Chak 152 NB	H.Pump	55	3940	7.1	0.0	C.Less	Un-Obj	Obj	1881	10	500	BDL	397	384	28	10	110	690	4	1.80	0.21	0.54	BDL	1.25	2.63	+	+	Unsafe	
518	SAR-518	Chak 152 NB	Chak 152 NB	Sillawan	Chak 152 NB	H.Pump	45	1597	7.3	3.0	C.Less	Un-Obj	Obj	1868	9	440	BDL	184	229	48	42	295	284	4	0.50	0.21	0.20	0.01	10.35	2.49	+	+	Unsafe	
519	SAR-519	Chak 152 NB	Chak 152 NB	Sillawan	Chak 152 NB	H.Pump	40	1858	7.5	0.8	C.Less	Un-Obj	Obj	1189	8	390	BDL	250	255	48	41	290	294	2	1.50	0.17	0.17	0.01	1.18	1.75	+	+	Unsafe	
520	SAR-520	Masjid Chak 142 NB	Chak 142 NB	Sillawan	Masjid Chak 142 NB	H.Pump	40	1141	7.3	0.1	C.Less	Un-Obj	Obj	769	11	530	BDL	96	65	32	34	220	181	10	2.50	0.16	0.23	BDL	3.06	3.47	+	+	Unsafe	
521	SAR-521	Chak 142 NB	Chak 142 NB	Sillawan	Masjid Chak 142 NB	H.Pump	50	1843	8.2	0.0	C.Less	Un-Obj	Obj	1405	11	550	BDL	170	117	98	26	350	237	1	0.60	0.19	0.18	BDL	10.56	2.89	+	+	Unsafe	
522	SAR-522	Chak 142 NB	Chak 142 NB	Sillawan	Chak 142 NB	H.Pump	55	1452	7.9	0.0	C.Less	Un-Obj	Obj	974	10	530	BDL	95	111	46	3	240	290	3	6.00	0.11	0.16	0.00	11.79	2.73	+	+	Unsafe	
523	SAR-523	Chak 142 NB	Chak 142 NB	Sillawan	Chak 142 NB	H.Pump	40	1921	7.3	0.2	C.Less	Un-Obj	Obj	985	11	540	BDL	99	116	40	34	240	283	10	7.30	0.17	0.18	BDL	3.15	3.15	+	+	Unsafe	
524	SAR-524	Chak 142 NB	Chak 142 NB	Sillawan	Chak 142 NB	H.Pump	70	1486	7.4	0.2	C.Less	Un-Obj	Obj	971	13	570	BDL	110	120	65	24	260	256	9	3.00	0.16	0.14	BDL	0.0	3.30	+	+	Unsafe	
525	SAR-525	Chak 130 NB	Chak 130 NB	Sillawan	Chak 130 NB	H.Pump	40	2780	7.4	0.1	C.Less	Un-Obj	Obj	6974	13	650	BDL	248	439	8	32	150	654	1	4.00	0.23	0.21	BDL	28.60	2.79	+	+	Unsafe	
526	SAR-526	Chak 130 NB	Chak 130 NB	Sillawan	Chak 130 NB	H.Pump	60	5970	8.1	8.2	C.Less	Un-Obj	Obj	3940	25	1270	BDL	603	998	20	32	180	1350	4	8.00	0.27	0.64	BDL	2.30	2.49	+	+	Unsafe	
527	SAR-527	Chak 130 NB	Chak 130 NB	Sillawan	Chak 130 NB	H.Pump	50	2650	8.4	0.0	C.Less	Un-Obj	Obj	2263	16	780	BDL	255	632	8	7	70	766	2	4.00	0.13	0.05	0.01	14.07	3.37	+	+	Unsafe	
528	SAR-528	Chak 130 NB	Chak 130 NB	Sillawan	Chak 130 NB	H.Pump	60	955	7.2	0.2	C.Less	Un-Obj	Obj	633	9	440	BDL	28	69	92	53	450	453	6	15.00	0.15	0.42	0.01	1.72	3.45	+	+	Unsafe	
529	SAR-529	Chak 130 NB	Chak 130 NB	Sillawan	Chak 130 NB	H.Pump	40	2980	8.4	0.0	C.Less	Un-Obj	Obj	668	5	540	BDL	268	410	8	17	92	652	8	5.80	0.13	0.51	0.01	24.74	2.98	+	+	Unsafe	
530	SAR-530	Chak 147/148 NB	Chak 147/148 NB	Sillawan	Near GHS Chak 147/148 NB	H.Pump	35	1047	7.4	0.0	C.Less	Un-Obj	Obj	607	7	350	BDL	64	50	52	34	270	120	5	0.80	0.17	0.36	0.01	3.66	2.61	+	+	Unsafe	
531	SAR-531	Chak 147/148 NB	Chak 147/148 NB	Sillawan	Jamia Masjid Chak 147/148 NB	H.Pump	35	1308	7.4	0.0	C.Less	Un-Obj	Obj	785	11	530	BDL	18	72	4	5	30	300	1	2.00	0.15	0.41	0.01	436.80	1.45	+	+	Unsafe	
532	SAR-532	Chak 147/151 NB	Chak 147/151 NB	Sillawan	Chak 147/151 NB	H.Pump	45	2478	8.4	0.0	C.Less	Un-Obj	Obj	696	3	400	BDL	102	108	60	34	250	306	3	4.00	0.12	0.65	0.00	1.47	1.48	+	+	Unsafe	
533	SAR-533	Chak 147/151 NB	Chak 147/151 NB	Sillawan	Chak 147/151 NB	H.Pump	30	1120	7.3	0.1	C.Less	Un-Obj	Obj	696	9	428	BDL	28	66	80	51	410	81	13	8.00	0.10	0.40	0.01	2.84	1.98	+	+	Unsafe	
534	SAR-534	Chak 147/152 NB	Chak 147/152 NB	Sillawan	F.G. Girls Middle School 147/152 NB	H.Pump	45	6263	7.6	0.3	C.Less	Un-Obj	Obj	359	5	240	BDL	35	26	40	51	310	11	3	13.00	0.27	0.31	0.00	2.91	2.47	+	+	Unsafe	
535	SAR-535	Chak 126 NB	Chak 126 NB	Sillawan	Chak 126 NB	H.Pump	40	1319	7.6	3.2	C.Less	Un-Obj	Obj	1068	10	460	BDL	35	227	40	51	310	203	4	1.00	0.28	0.40	BDL	0.95	2.75	+	+	Unsafe	
536	SAR-536	Chak 126 NB	Chak 126 NB	Sillawan	Chak 126 NB	H.Pump	40	1319	7.6	3.2	C.Less	Un-Obj	Obj	1068	10	460	BDL	35	227	40	51	310	203	4	1.00	0.28	0.40	BDL	0.95	2.75	+	+	Unsafe	
537	SAR-537	Chak 126 NB	Chak 126 NB	Sillawan	F.G. Girls Primary School 126 NB	H.Pump	40	1392	7.3	0.4	C.Less	Un-Obj	Obj	867	9	440	BDL	128	132	52	77	450	144	6	20.00	0.20	0.38	6.00	0.81	3.27	+	+	Unsafe	
538	SAR-538	Chak 126 NB	Chak 126 NB	Sillawan	Chak 126 NB	W. Supply	40	484	7.8	0.2	C.Less	Un-Obj	Obj	305	5	230	BDL	14	17	52	32	260	11	5	1.30	0.21	0.21	BDL	1.15	4.11	+	+	Unsafe	
539	SAR-539	Chak 126 NB	Chak 126 NB	Sillawan	Chak 126 NB	W. Supply	30	617	7.8	0.2	C.Less	Un-Obj	Obj	310	5	230	BDL	14	17	52	32	260	11	5	1.30	0.21	0.21	BDL	1.15	4.11	+	+	Unsafe	
540	SAR-540	Chak 121 5B	Chak 121 5B	Sillawan	F.G. High School Chak 121 5B	H.Pump	40	612	7.2	0.2	C.Less	Un-Obj	Obj	412	7	330	BDL	14	16	80	27	310	30	3	1.00	0.19	0.30	0.00	0.37	2.15	+	+	Unsafe	
541	SAR-541	Chak 121 5B	Chak 121 5B	Sillawan	Chak 121 5B	H.Pump	40	2490	7.4	0.4	C.Less	Un-Obj	Obj	1569	10	510	BDL	257	364	88	97	620	238	14	15.00	0.23	0.52	BDL	26.21	5.24	+	+	Unsafe	
542	SAR-542	Chak 121 5B	Chak 121 5B	Sillawan	Chak 121 5B	H.Pump	40	2830	7.1	0.0	C.Less	Un-Obj	Obj	1698	10	520	BDL	312	387	104	46	450	430	15	19.00	0.22	0.46	0.00	3.29	4.31	+	+	Unsafe	
543	SAR-543	Chak 121 5B	Chak 121 5B	Sillawan	Chak 121 5B	H.Pump	30	2310	7.4	0.1	C.Less	Un-Obj	Obj	1065	10	500	BDL	248	381	80	25	350	442	6	5.00	0.21	0.45	BDL	0.94	4.32	+	+	Unsafe	
544	SAR-544	Chak 121 5B Adia	Chak 121 5B Adia	Sillawan	Chak 121 5B Adia	H.Pump	35	2280	7.1	0.4	C.Less	Un-Obj	Obj	1436	10	505	BDL	269	247	96	60	490	240	150	30.00	0.19	0.50	0.00	1.33	2.38	+	+	Unsafe	
545	SAR-545	Chak 118 5B	Shahenr Abad	Sillawan	Near Girls Middle School Chak 118 5B	H.Pump	45	920	7.1	0.8	C.Less	Un-Obj	Obj	586	8	410	BDL	53	30	84	29	330	72	6	3.00	0.27	0.35	BDL	4.71	2.18	+	+	Unsafe	
546	SAR-546	Chak 118 5B	Shahenr Abad	Sillawan	Jamia Masjid Chak 118 5B	H.Pump	60	1575	8.1	0.0	C.Less	Un-Obj	Obj	880	8	390	BDL	137	135	8	19	100	208	12	3.00	0.28	0.60	BDL	3.06	2.23	+	+	Unsafe	
547	SAR-547	Chak 118 5B	Shahenr Abad	Sillawan	Chak 118 5B	H.Pump	40	1026	7.4	0.0	C.Less	Un-Obj	Obj	666	9	430	BDL	82	80	52	36	230	188	3	1.30	0								

Sl. No.	Sample Code	Village	Union Council	Tehsil	Location	Source	Depth (ft)	Water Table Depth (ft)	EC (µmhos/cm)	pH	Turbidity (NTU)	Color	Taste	Odor	TDS	Alk (mg/l)	CO ₂	Cl (mg/l)	SO ₄ (mg/l)	Ca (mg/l)	Mg (mg/l)	Hardness (mg/l)	K (mg/l)	NO ₃ (mg/l)	PO ₄ (mg/l)	F (mg/l)	Fe (mg/l)	As (ppb)	Pb (ppb)	Total Coliforms	E.coli	Safe/Unsafe	
																																	Permissible Limit (PCL)
611	SAR-611	Thatti Lamba	Lahri wal	Sahwal	Village Thribamba	H.Pump	40	2190	7.1	9.0	C.Less	Un.Obt.	Un.Obt.	180	NGVS	NGVS	200	500	NGVS	10.0	NGVS	10.0	NGVS	1.50	0.30	50.00	50.00	+	+	+	Safe		
612	SAR-612	Lahri Lamba	Lahri wal	Sahwal	Govt Elementary School Thribamba	H.Pump	40	2190	7.1	9.0	C.Less	Un.Obt.	Un.Obt.	180	NGVS	NGVS	200	500	NGVS	10.0	NGVS	10.0	NGVS	1.50	0.30	50.00	50.00	+	+	+	Unsafe		
613	SAR-613	Mega Ara	Kud Lathara	Sahwal	Village Mega Ara	H.Pump	40	816	7.6	4.7	C.Less	Un.Obt.	Un.Obt.	490	5	270	BOL	157	248	196	22	580	29	2	BDL	0.14	0.15	BDL	5.8	2.31	+	+	Unsafe
614	SAR-614	Mega Ara	Kud Lathara	Sahwal	Village Mega Ara	H.Pump	40	745	7.6	0.1	C.Less	Un.Obt.	Un.Obt.	462	5	260	BOL	39	67	40	17	170	110	1	BDL	0.21	0.63	0.01	7.19	1.49	+	+	Unsafe
615	SAR-615	Mega Ara	Kud Lathara	Sahwal	Village Mega Ara	H.Pump	40	1208	7.4	9.1	C.Less	Un.Obt.	Un.Obt.	749	8	400	BOL	43	150	56	27	250	173	1	BDL	0.21	0.40	BDL	10.99	1.37	+	+	Unsafe
616	SAR-616	Mega Ara	Kud Lathara	Sahwal	Village Mega Ara	H.Pump	35	1043	7.3	4.2	C.Less	Un.Obt.	Un.Obt.	721	8	390	BOL	39	140	60	24	250	168	1	BDL	0.29	0.54	0.00	1.32	136.00	+	+	Unsafe
617	SAR-617	Mega Ara	Kud Lathara	Sahwal	Village Mega Ara	H.Pump	40	1192	7.5	4.6	C.Less	Un.Obt.	Un.Obt.	775	8	395	BOL	35	198	48	24	220	186	1	BDL	0.31	0.39	0.01	3.15	1.97	+	+	Unsafe
618	SAR-618	Retri	Sial Sharif	Sahwal	G.C.P.S Retri	H.Pump	60	855	7.6	2.9	C.Less	Un.Obt.	Un.Obt.	513	6	310	BOL	35	55	24	29	180	120	1	BDL	0.27	0.70	BDL	4.13	1.48	+	+	Unsafe
619	SAR-619	Retri	Sial Sharif	Sahwal	Village Retri	H.Pump	35	927	7.5	0.0	C.Less	Un.Obt.	Un.Obt.	583	6	310	BOL	48	60	40	29	270	193	1	BDL	0.35	0.52	BDL	7.31	1.31	+	+	Unsafe
620	SAR-620	Retri	Sial Sharif	Sahwal	Village Retri	H.Pump	50	857	7.6	3.2	C.Less	Un.Obt.	Un.Obt.	514	6	300	BOL	35	70	40	24	200	104	30	0.30	0.32	0.40	3.08	1.45	+	+	Unsafe	
621	SAR-621	Retri	Sial Sharif	Sahwal	Village Retri	H.Pump	40	1191	7.4	1.7	C.Less	Un.Obt.	Un.Obt.	674	6	310	BOL	32	74	44	27	220	181	6	BDL	0.27	0.60	0.01	2.00	1.78	+	+	Unsafe
622	SAR-622	Retri	Sial Sharif	Sahwal	Masjid Village Retri	H.Pump	40	879	7.7	3.8	C.Less	Un.Obt.	Un.Obt.	483	6	300	BOL	28	81	32	17	150	124	1	BDL	0.29	0.70	0.01	1.82	1.63	+	+	Unsafe
623	SAR-623	Hindwan	Sial Sharif	Sahwal	Village Hindwan	H.Pump	40	1078	7.6	116.0	C.Less	Un.Obt.	Un.Obt.	647	8	390	BOL	39	83	40	26	250	180	23	BDL	0.21	0.51	0.02	1.32	2.19	+	+	Unsafe
624	SAR-624	Hindwan	Sial Sharif	Sahwal	Khukher Diesel Agency Hindwan	H.Pump	40	1253	7.5	0.6	C.Less	Un.Obt.	Un.Obt.	752	8	400	BOL	47	112	56	19	220	187	10	0.10	0.19	0.34	0.02	1.21	2.23	+	+	Unsafe
625	SAR-625	Hindwan	Sial Sharif	Sahwal	Man Stop Village Hindwan	H.Pump	40	1248	7.5	3.1	C.Less	Un.Obt.	Un.Obt.	749	8	410	BOL	49	100	48	34	260	174	1	BDL	0.17	0.33	0.01	1.39	2.45	+	+	Unsafe
626	SAR-626	Hindwan	Sial Sharif	Sahwal	Masjid Village Hindwan	H.Pump	40	964	7.7	3.1	C.Less	Un.Obt.	Un.Obt.	600	8	390	BOL	25	72	40	27	210	150	2	0.20	0.20	1.30	0.01	2.02	3.17	+	+	Unsafe
627	SAR-627	Hindwan	Sial Sharif	Sahwal	Man Stop Abli Kamber	H.Pump	30	1034	7.2	0.1	C.Less	Un.Obt.	Un.Obt.	620	8	410	BOL	25	74	108	34	410	64	3	0.50	0.21	0.16	0.30	3.20	4.23	+	+	Unsafe
628	SAR-628	Hindwan	Sial Sharif	Sahwal	Village Ali Kamber	H.Pump	35	1550	7.2	0.1	C.Less	Un.Obt.	Un.Obt.	930	9	450	BOL	113	124	43	490	159	3	9.00	0.19	0.16	0.00	0.99	4.17	+	+	Unsafe	
629	SAR-629	Hindwan	Sial Sharif	Sahwal	Village Ali Kamber	H.Pump	30	1450	7.2	0.8	C.Less	Un.Obt.	Un.Obt.	810	9	440	BOL	99	128	154	56	540	111	9	7.00	0.20	0.15	BDL	0.54	2.98	+	+	Unsafe
630	SAR-630	Hindwan	Sial Sharif	Sahwal	Village Ali Kamber	H.Pump	60	917	7.9	3.2	C.Less	Un.Obt.	Un.Obt.	605	8	410	BOL	25	79	52	51	340	84	14	BDL	0.23	0.10	BDL	4.04	2.45	+	+	Unsafe
631	SAR-631	Hindwan	Sial Sharif	Sahwal	G.P.S. Ali Kamber	H.Pump	50	1183	7.3	0.1	C.Less	Un.Obt.	Un.Obt.	710	8	420	BOL	29	101	108	42	445	77	15	9.00	0.29	0.12	0.00	2.52	1.75	+	+	Unsafe
632	SAR-632	Hindwan	Jehania Shah	Sahwal	Zafar Medical Store	H.Pump	40	1278	7.4	4.8	C.Less	Un.Obt.	Un.Obt.	810	9	440	BOL	99	128	154	56	540	111	9	7.00	0.20	0.15	BDL	0.54	2.98	+	+	Unsafe
633	SAR-633	Hindwan	Jehania Shah	Sahwal	Man Bazar Waang	H.Pump	30	2210	7.1	0.1	C.Less	Un.Obt.	Un.Obt.	1281	9	460	BOL	98	140	112	70	570	258	6	9.00	0.37	0.10	0.00	2.11	2.17	+	+	Unsafe
634	SAR-634	Hindwan	Jehania Shah	Sahwal	Village Wahang	H.Pump	65	915	7.5	2.1	C.Less	Un.Obt.	Un.Obt.	549	7	360	BOL	28	130	60	36	300	93	2	BDL	0.27	0.12	BDL	3.32	2.43	+	+	Unsafe
635	SAR-635	Hindwan	Jehania Shah	Sahwal	Modern Tent Services Wahang	H.Pump	45	1351	7.4	14.0	C.Less	Un.Obt.	Un.Obt.	838	8	390	BOL	117	144	64	36	310	187	2	BDL	0.22	0.70	BDL	1.91	3.19	+	+	Unsafe
636	SAR-636	Hindwan	Jehania Shah	Sahwal	Man Bazar Wahang	H.Pump	40	800	7.3	0.0	C.Less	Un.Obt.	Un.Obt.	770	8	400	BOL	70	79	61	37	270	187	1	BDL	0.19	0.62	0.00	1.76	2.17	+	+	Unsafe
637	SAR-637	Hindwan	Jehania Shah	Sahwal	Village Wahang	H.Pump	40	601	7.5	4.2	C.Less	Un.Obt.	Un.Obt.	360	10	500	BOL	46	28	36	41	260	83	3	0.20	0.19	0.01	0.00	2.72	2.23	+	+	Unsafe
638	SAR-638	Hindwan	Jehania Shah	Sahwal	Village Wahang	H.Pump	40	398	7.7	1.4	C.Less	Un.Obt.	Un.Obt.	257	4	200	BOL	14	16	28	12	120	54	0	BDL	0.21	0.39	0.01	3.92	2.19	+	+	Unsafe
639	SAR-639	Hindwan	Jehania Shah	Sahwal	Village Wahang	H.Pump	40	428	7.6	2.8	C.Less	Un.Obt.	Un.Obt.	311	4	200	BOL	14	16	28	12	120	54	0	BDL	0.21	0.39	0.01	3.92	2.19	+	+	Unsafe
640	SAR-640	Hindwan	Jehania Shah	Sahwal	Village Wahang	H.Pump	45	1257	7.2	80.0	C.Less	Un.Obt.	Un.Obt.	654	7	370	BOL	130	96	92	34	370	120	1	0.40	0.25	0.04	0.31	2.45	2.39	+	+	Unsafe
641	SAR-641	Hindwan	Jehania Shah	Sahwal	Village Wahang	H.Pump	40	1543	7.8	7.6	C.Less	Un.Obt.	Un.Obt.	925	6	280	BOL	210	140	108	51	480	124	22	5.30	0.27	0.12	0.01	4.18	2.41	+	+	Unsafe
642	SAR-642	Thatti Jalal	Thatti Jalal (Noorwala)	Sahwal	Village Thatti Jalal	H.Pump	30	1964	7.3	0.1	C.Less	Un.Obt.	Un.Obt.	1178	8	390	BOL	255	248	124	48	500	183	3	1.70	0.21	0.14	0.01	4.00	3.21	+	+	Unsafe
643	SAR-643	Thatti Jalal	Thatti Jalal (Noorwala)	Sahwal	Village Thatti Jalal	H.Pump	35	2561	7.4	0.5	C.Less	Un.Obt.	Un.Obt.	665	8	410	BOL	77	76	41	360	81	2	2.50	0.21	0.12	0.01	3.88	3.17	+	+	Unsafe	
644	SAR-644	Thatti Jalal	Thatti Jalal (Noorwala)	Sahwal	Village Thatti Jalal	H.Pump	30	1211	7.9	0.0	C.Less	Un.Obt.	Un.Obt.	727	4	210	BOL	180	140	28	15	130	256	1	4.40	0.23	0.07	0.01	5.05	2.45	+	+	Unsafe
645	SAR-645	Thatti Jalal	Thatti Jalal (Noorwala)	Sahwal	Village Thatti Jalal	H.Pump	40	1911	7.8	0.0	C.Less	Un.Obt.	Un.Obt.	1148	6	300	BOL	110	238	40	27	210	316	51	4.00	0.19	0.13	0.00	3.22	2.18	+	+	Unsafe
646	SAR-646	Thatti Jalal	Thatti Jalal (Noorwala)	Sahwal	Village Thatti Jalal	H.Pump	40	1889	7.4	0.0	C.Less	Un.Obt.	Un.Obt.	1140	6	300	BOL	180	225	58	33	280	290	42	5.00	0.17	0.12	0.05	3.00	1.79	+	+	Unsafe
647	SAR-647	Rabana	Thatti Jalal (Noorwala)	Sahwal	Man Stop Rabana	H.Pump	30	1590	7.1	0.1	C.Less	Un.Obt.	Un.Obt.	1490	12	610	BOL	180	140	28	15	130	256	1	4.40	0.23	0.07	0.01	5.05	2.45	+	+	Unsafe
648	SAR-648	Rabana	Thatti Jalal (Noorwala)	Sahwal	Village Rabana	H.Pump	30	3580	7.4	0.7	C.Less	Un.Obt.	Un.Obt.	2148	11	670	BOL	577	457	160	38	580	592	6	8.00	0.20	0.54	BDL	1.32	2.12	+	+	Unsafe
649	SAR-649	Rabana	Thatti Jalal (Noorwala)	Sahwal	Village Rabana	H.Pump	30	2190	7.1	4.3	C.Less	Un.Obt.	Un.Obt.	1314	10	570	BOL	203	229	112	63	540	316	3	8.00	0.21							

Sl. No	Sample Code	Village	Union Council	Tehsil	Location	Source	Depth (ft)	Water Table Depth (ft)	EC µS/cm	pH	Turbidity NTU	Color	Taste	Odor	TDS	Alk m.mol/l	HCO ₃ mg/l	CO ₃	Cl mg/l	SO ₄ mg/l	Ca mg/l	Mg mg/l	Hardness mg/l	Nu mg/l	K mg/l	NO ₃ mg/l	PO ₄ mg/l	F mg/l	Fe mg/l	As ppb	Pb ppb	Total Coliforms	E.Coli	Safe/Unsafe				
									Permissible Limit (PSCS)		MS		6.5-8.3		5.0		C.Less		Un.Obj		Un.Obj		200		10.00		2.50		0.30		50.00		-		-		Safe	
819	SAR-819	Wago Wal	Jhan Abad	Shah Pur	M.Adam House	H.Pump	35	30	630	7.4	3.3	C.Less	Un.Obj	Un.Obj	346	4	190	BDL	24	32	64	10	200	43	2	0.20	0.17	0.22	0.83	0.57	2.18	+	+	Unsafe	Unsafe	Unsafe	Unsafe	
820	SAR-820	Wago Wal	Jhan Abad	Shah Pur	M.Amri House	H.Pump	40	20	3770	7.1	6.6	C.Less	Un.Obj	Un.Obj	2752	11	570	BDL	414	418	108	49	470	490	170	1.00	0.23	0.31	0.26	0.73	4.17	-	-	Unsafe	Unsafe	Unsafe	Unsafe	
821	SAR-821	Wago Wal	Jhan Abad	Shah Pur	Mahar Awari House	H.Pump	35	20	3250	7.3	1.9	C.Less	Un.Obj	Un.Obj	1885	7	350	BDL	566	317	104	55	485	480	20	1.00	0.31	0.51	0.14	0.88	4.21	+	+	Unsafe	Unsafe	Unsafe	Unsafe	
822	SAR-822	Wago Wal	Jhan Abad	Shah Pur	M.Lahar House	H.Pump	45	30	2960	7.3	2.1	C.Less	Un.Obj	Un.Obj	1717	8	375	BDL	460	317	80	49	400	430	90	1.00	0.29	0.61	0.15	0.12	2.39	-	-	Unsafe	Unsafe	Unsafe	Unsafe	
823	SAR-823	Wago Wal	Jhan Abad	Shah Pur	Bus Stop Wago Wal	H.Pump	55	35	1055	7.3	3.8	C.Less	Un.Obj	Un.Obj	850	6	300	BDL	59	73	118	6	320	84	3	2.00	0.25	0.13	0.35	0.31	3.34	+	+	Unsafe	Unsafe	Unsafe	Unsafe	
824	SAR-824	Jade Vera	Radhan	Shivali	M.Ramzan House	H.Pump	40	20	4190	7.1	BDL	C.Less	Un.Obj	Un.Obj	2598	7	930	BDL	897	192	340	61	1100	510	5	2.00	0.17	0.66	0.32	0.43	2.78	+	+	Unsafe	Unsafe	Unsafe	Unsafe	
825	SAR-825	Jade Vera	Radhan	Shivali	Ghulam Husain Dera	H.Pump	35	20	1770	8.8	0.2	C.Less	Un.Obj	Un.Obj	1062	8	420	BDL	149	190	8	7	50	400	8	5.00	0.23	0.60	0.32	0.52	3.22	+	+	Unsafe	Unsafe	Unsafe	Unsafe	
826	SAR-826	Jade Vera	Radhan	Shivali	Faqi Sher House	H.Pump	35	18	1770	8.9	0.8	C.Less	Un.Obj	Un.Obj	1026	10	475	BDL	160	121	8	2	30	410	8	5.00	0.14	0.71	0.23	0.62	3.61	+	+	Unsafe	Unsafe	Unsafe	Unsafe	
827	SAR-827	Jade Vera	Radhan	Shivali	Fair Ahmed House	H.Pump	30	15	1790	8.7	0.2	C.Less	Un.Obj	Un.Obj	1038	9	460	BDL	165	119	8	5	40	400	6	5.00	0.25	0.68	0.10	0.71	2.95	-	-	Unsafe	Unsafe	Unsafe	Unsafe	
828	SAR-828	Jade Vera	Radhan	Shivali	Ghulam Raja	H.Pump	40	25	1805	8.7	3.2	C.Less	Un.Obj	Un.Obj	1047	9	450	BDL	151	145	8	6	45	380	7	2.00	0.19	0.68	0.07	0.43	2.78	+	+	Unsafe	Unsafe	Unsafe	Unsafe	
829	SAR-829	Bochra	Radhan	Shivali	Hamid Ali	H.Pump	55	30	1825	8.7	1.0	C.Less	Un.Obj	Un.Obj	1058	9	445	BDL	156	142	8	5	40	390	9	5.00	0.21	0.71	0.27	0.55	2.69	+	+	Unsafe	Unsafe	Unsafe	Unsafe	
830	SAR-830	Bochra	Radhan	Shivali	Muhammad Ashraf Khan	H.Pump	48	35	670	8.4	BDL	C.Less	Un.Obj	Un.Obj	369	6	280	BDL	22	22	108	10	310	19	2	5.00	0.26	0.07	0.15	0.62	2.31	+	+	Unsafe	Unsafe	Unsafe	Unsafe	
831	SAR-831	Bochra	Radhan	Shivali	Dr.M. Adnan House	H.Pump	30	30	665	7.4	6.9	C.Less	Un.Obj	Un.Obj	366	8	270	BDL	26	19	118	5	315	18	3	5.00	0.14	0.11	0.17	0.71	2.95	+	+	Unsafe	Unsafe	Unsafe	Unsafe	
832	SAR-832	Bochra	Radhan	Shivali	Ghulam Raza House	H.Pump	55	35	675	7.6	BDL	C.Less	Un.Obj	Un.Obj	371	6	280	BDL	28	19	86	21	300	18	3	5.00	0.18	0.13	0.73	0.81	2.39	-	-	Unsafe	Unsafe	Unsafe	Unsafe	
833	SAR-833	Bochra	Radhan	Shivali	Walk Saad House	H.Pump	52	28	665	7.2	BDL	C.Less	Un.Obj	Un.Obj	366	5	270	BDL	25	20	80	22	290	19	2	5.00	0.23	0.11	0.35	0.92	2.41	+	+	Unsafe	Unsafe	Unsafe	Unsafe	
834	SAR-834	Bochra	Radhan	Shivali	Hamid Mansoor	H.Pump	40	25	655	7.2	BDL	C.Less	Un.Obj	Un.Obj	360	6	275	BDL	28	19	84	21	295	16	2	5.00	0.27	0.12	0.54	0.63	2.45	+	+	Unsafe	Unsafe	Unsafe	Unsafe	

Wages of Samples beyond permissible limit															15	101	275	113	312	53	62	28	8	5	76.98	38.49	88.49									
No. of Samples beyond permissible limit out of 834															15	101	275	113	312	53	62	28	8	5	642	321	738									
Min.	15	15	215	6.6	0.0										118	1	100	10	4	6	4	2	20	0	0	0.01	0.00	0.01	0.00	0.00	0.00	0.01				
Average	38	25	1884	7.4	2.4										1227	8	402	18	228	238	69	44	358	283	21	3.43	0.15	0.66	0.11	4.78	3.61					
Max.	100	35	29900	9.4	216.0										18130	27	1520	10	8227	2522	920	346	1640	5520	608	50.00	0.83	20.30	17.00	436.80	350.00					