

Analysis results of Surface water monitoring under NWMP for the month of May, 2023

River Sutlej

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	pH	DO mg/l	BOD mg/l	Cond μ s/Cm	T.Coli MPN/ 100ml	F. Coli MPN/ 100ml	Free Amm. mg/l	SAR	B mg/l	Quality of water as per DBU
1	River River Sutlej at U/S Nangal	1017	16.05.23	SW 1733	ZO Lab LDH	7.5	9.0	BDL	207	120	33	BDL	0.22	BDL	B
2	River River Sutlej at D/S NFL	1380	16.05.23	SW 1734	ZO Lab LDH	7.4	8.9	BDL	206	210	68	BDL	0.29	BDL	B
3	River Sutlej at 100m D/s PACL Nangal	2915	16.05.23	SW 1735	ZO Lab LDH	7.6	8.8	BDL	207	200	78	BDL	0.29	BDL	B
4	River River Sutlej at D/s Nangal	1018	16.05.23	SW 1736	ZO Lab LDH	7.8	9.1	BDL	222	110	33	BDL	0.29	0.16	B
5	River River Sutlej at Kiratpur Sahib	1814	17.05.23	SW 1739	ZO Lab LDH	8.0	8.0	BDL	228	310	170	BDL	0.27	0.26	B
6	Ropar Head-Works	1019	17.05.23	SW 1744	ZO Lab LDH	7.8	8.4	BDL	265	790	270	BDL	0.36	0.39	C
7	River River Sutlej D/S of Rishab- Paper Mills	1293	17.05.23	SW 1748	ZO Lab LDH	7.7	7.6	BDL	287	1100	450	BDL	0.41	0.61	C
8	River River Sutlej U/S Buddha Nallah	1690	18.05.23	SW 1752	ZO Lab LDH	7.4	7.0	1.2	373	1200	450	0.024	0.61	0.36	C
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	18.05.23	SW 1754	ZO Lab LDH	7.8	BDL	56	1191	24,00,000	7,90,000	0.441	5.29	1.38	E
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	22.05.23	SW 1771	ZO Lab LDH /HO Lab PAT	7.1	BDL	22	715	3,90,000	1,30,000	0.005	1.98	0.58	E
11	River River Sutlej at D/s East Bein	1381	22.05.23	SW 1772	ZO Lab LDH /HO Lab PAT	7.1	BDL	15	678	5,40,000	2,20,000	0.006	1.26	0.69	E
12	River Sutlej at Harike	1022	22.05.23	SW 1773	ZO Lab LDH /HO Lab PAT	7.2	6.5	3.2	367	5400	1300	0.024	1.03	0.65	D
13	Harike Lake D/S from canal	1382	18/05/23	SW 189	ZO Lab, Jal	7.7	8.2	2.6	261	3300	1700	0.036	0.44	0.27	C
14	D/S Harike lake	1297	18/05/23	SW 188	ZO Lab, Jal	7.7	7.9	2.2	270	2100	940	0.033	0.49	0.33	C
15	U/S Hussainiwala H/W Ferozepur	1691	24.05.23	SW 1778	ZO Lab LDH /HO Lab PAT	7.0	8.4	1.8	288	930	200	BDL	0.57	0.23	C
16	D/S Hussainiwala H/W Ferozepur	1692	24.05.23	SW 1779	ZO Lab LDH /HO Lab PAT	6.9	8.2	2.0	290	1100	330	BDL	0.62	0.42	C

Note. 1. BDL means Below Method Detection Limit

2. DBU means Designated Best Use (Class-A, B, C, D & E)

3. Water Quality Index (S means Satisfactory, U means Unsatisfactory)

4. U/s means Upstream, D/s means Downstream

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River Sutlej

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	COD mg/l	Turb NTU	TSS mg/l	TDS mg/l	FDS mg/l	Cl mg/l	SO4 mg/l	TH mg/l	Ca mg/l	Mg mg/l	T.Alk n mg/l	P.Alk n mg/l	AmnN mg/l	NO3 -N mg/l	TKN mg/l	PO4as P mg/l	F mg/l	Na mg/l	K mg/l
1	River River Sutlej at U/S Nangal	1017	16.05.23	SW 1733	ZO Lab LDH	BDL	2	BDL	124	110	9	11	106	28	8.7	70	BDL	BDL	1.5	BDL	BDL	0.17	5.2	1.3
2	River River Sutlej at D/S NFL	1380	16.05.23	SW 1734	ZO Lab LDH	BDL	4	BDL	126	112	10	14	112	29.6	9.2	76	BDL	BDL	1.1	BDL	BDL	0.18	7.1	2
3	River Sutej at 100m D/s PACL Nangal	2915	16.05.23	SW 1735	ZO Lab LDH	BDL	4	BDL	128	113	11	14	114	30.4	9.2	78	BDL	BDL	1.2	BDL	BDL	0.19	7.2	2.1
4	River River Sutlej atD/s Nangal	1018	16.05.23	SW 1736	ZO Lab LDH	BDL	6	BDL	137	120	10	13	120	32	9.7	80	BDL	BDL	1.2	BDL	BDL	0.20	7.4	2
5	River River Sutlej at Kiratpur Sahib	1814	17.05.23	SW 1739	ZO Lab LDH	BDL	7	BDL	148	130	13	19	116	31.2	9.2	86	BDL	BDL	5.9	BDL	BDL	0.18	6.6	2.9
6	Ropar Head-Works	1019	17.05.23	SW 1744	ZO Lab LDH	BDL	14	10	168	146	16	21	120	35.2	7.8	96	BDL	BDL	2.5	BDL	BDL	0.21	9	3.6
7	River River Sutlej D/S of Rishab-Paper Mills	1293	17.05.23	SW 1748	ZO Lab LDH	BDL	16	12	176	154	17	26	124	36	8.3	100	BDL	BDL	1.4	BDL	BDL	0.23	10.4	3.5
8	River River Sutlej U/S Buddha Nallah	1690	18.05.23	SW 1752	ZO Lab LDH	8	70	58	232	204	24	38	164	47.2	11.2	98	BDL	1.6	1.2	2.2	BDL	0.28	18	4.6
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	18.05.23	SW 1754	ZO Lab LDH	210	130	224	724	568	138	52	246	67.2	19.0	170	BDL	12.6	4.2	16.0	2.3	0.32	191	24
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	22.05.23	SW 1771	ZO Lab LDH	92	100	142	443	365	67	39	244	64	20.4	178	BDL	10.4	2.2	13.8	1.2	0.33	71	7
11	River River Sutlej at D/s East Bein	1381	22.05.23	SW 1772	ZO Lab LDH	65	115	158	398	321	74	42	146	39.2	11.7	186	BDL	12.0	2.4	16.0	1.4	0.36	35	6
12	River River Sutlej at Harike	1022	22.05.23	SW 1773	ZO Lab LDH	30	80	120	224	198	19	27	130	35.2	10.2	114	BDL	2.4	1.1	3.3	0.32	0.22	27	5
13	Harike Lake D/S from canal	1382	18/05/23	SW 189	ZO Lab, Jal	14	44	37	152	121	17	15	98	28	6.8	82	BDL	1.2	1.2	1.8	0.14	0.15	10	2.7
14	D/S Harike lake	1297	18/05/23	SW 188	ZO Lab, Jal	12	41	32	149	125	17	14	96	26	7.3	76	BDL	1.1	1.1	1.6	0.12	0.14	11	2.7
15	U/S Hussainiwala H/W Ferozepur	1691	24.05.23	SW 1778	ZO Lab LDH	17	13	17	176	156	15	22	114	33.6	7.3	96	BDL	1.4	1.3	2.0	0.21	0.18	14	4.6
16	D/S Hussainiwala H/W Ferozepur	1692	24.05.23	SW 1779	ZO Lab LDH	17	15	21	178	158	18	20	112	33.6	6.8	98	BDL	1.6	1.4	2.2	0.22	0.19	15	4.5

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River Beas

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	pH	DO mg/l	BOD mg/l	Cond μ s/Cm	T. Coli MPN/100ml	F. Coli MPN/100ml	Free Amm. mg/l	SAR	B mg/l	Quality of water as per DBU	Water Quality Index
17	River Beas at Talwara H/W	1693	09/05/23	SW 171	ZO Lab, Jal	8.1	8.6	1.1	236	140	39	0.059	0.40	BDL	B	S
18	River Beas at U/S Pathankot	1694	09/05/23	SW 173	ZO Lab, Jal	8.0	7.9	1.2	359	210	70	0.045	0.51	0.16	B	S
19	River Beas at D/S Pathankot	1695	09/05/23	SW 174	ZO Lab, Jal	8.1	8.1	1.1	278	220	110	0.046	0.35	0.19	B B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	09/05/23	SW 172	ZO Lab, Jal	8.2	7.8	1.2	395	170	46	0.056	0.68	0.10	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	15/05/23	SW 175	ZO Lab, Jal	8.1	8.2	1.3	203	310	140	0.039	0.18	0.33	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	15/05/23	SW 176	ZO Lab, Jal	8.1	9.1	1	228	350	170	0.059	0.31	0.16	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	15/05/23	SW 178	ZO Lab, Jal	8.1	8.8	1.3	228	380	170	0.072	0.32	0.25	B	S
24	River Beas at U/s Goindwal	1696	18/05/23	SW 185	ZO Lab, Jal	8.1	8.6	1.0	221	330	140	0.059	0.26	0.12	B	S
25	River Beas at D/s Goindwal	1012	18/05/23	SW 186	ZO Lab, Jal	8.0	8.4	1.1	213	380	170	0.035	0.25	0.17	B	S
26	Beas at Harike	1697	18/05/23	SW 187	ZO Lab, Jal	8.1	8.9	1.1	210	400	210	0.052	0.24	0.11	B	S

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17	River Beas at Talwara H/W	1693	09/05/23	SW 171	ZO Lab, Jal	10	18	10	138	110	17	8	96	30	8	81	BDL	0.9	0.8	1.6	0.11	0.14	9	2.2
18	River Beas at U/S Pathankot	1694	09/05/23	SW 173	ZO Lab, Jal	7	28	11	210	165	16	10	140	40	10	146	BDL	0.9	0.4	1.6	0.12	0.14	14	2.8
19	River Beas at D/S Pathankot	1695	09/05/23	SW 174	ZO Lab, Jal	6	24	16	164	130	15	10	120	36	7	104	BDL	0.7	0.5	1.4	0.14	0.13	8.7	2.2
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	09/05/23	SW 172	ZO Lab, Jal	11	32	12	218	172	25	12	148	41	11	155	BDL	0.7	0.6	1.5	0.12	0.17	19	5.8
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	15/05/23	SW 175	ZO Lab, Jal	8	34	18	118	95	10	12	96	27	7	65	BDL	0.6	0.7	1.8	0.16	0.16	4.0	1.8
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	15/05/23	SW 176	ZO Lab, Jal	7	32	15	136	108	13	8	94	27	6	79	BDL	0.9	0.6	1.4	0.17	0.14	6.9	2.2
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	15/05/23	SW 178	ZO Lab, Jal	7	40	22	138	115	12	9	98	28	7	79	BDL	1.1	0.5	1.9	0.14	0.19	7.3	2.2
24	River Beas at U/s Goindwal	1696	18/05/23	SW 185	ZO Lab, Jal	6	30	18	135	104	16	10	90	25	7	73	BDL	0.9	0.4	1.3	0.13	0.15	5.6	2.6
25	River Beas at D/s Goindwal	1012	18/05/23	SW 186	ZO Lab, Jal	8	28	26	124	96	11	10	86	26	5	67	BDL	0.7	0.5	1.1	0.11	0.13	5.4	2.5
26	Beas at Harike	1697	18/05/23	SW 187	ZO Lab, Jal	9	36	24	126	95	10	11	84	26	5	71	BDL	0.8	0.6	1.4	0.12	0.14	5.1	2.0

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River Ravi

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	pH	DO mg/l	BOD mg/l	Cond μ s/Cm	T.Coli MPN/ 100ml	F Coli MPN/ 100ml	Free Amm. mg/l	SAR	B mg/l	Quality of water as per DBU
27	Ravi at U/s of Madhopur H/W	1097	09/05/23	SW 170	ZO Lab, Jal	8.1	8.8	1.1	181	130	27	BDL	0.14	BDL	B

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27	Ravi at U/s of Madhopur H/W	1097	09/05/23	SW 170	ZO Lab, Jal	6	13	10	104	86	9	7	90	24	7.3	58	BDL	BDL	0.6	BDL	BDL	0.11	3	1.7

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River Ghaggar

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	pH	DO mg/l	BOD mg/l	Cond μ s/Cm	T.Coli MPN/ 100ml	F. Coli MPN/ 100ml	SAR	Free Amm.N	B mg/l	Quality of water as per DBDU
1	Ghaggar at Mubarikpur Rest House	1023	5.5.2023	SW 1701	H/o Lab Patiala	7.2	6.6	8	535	21000	2100	1.82	0.08	0.45	D
2	Ghaggar at Bhankarpur	1295	5.5.2023	SW 1702	H/o Lab Patiala	7.3	3.3	22	851	28000	3800	2.05	0.10	0.56	E
3	Ghaggar at Chattbir	1698	5.5.2023	SW 1703	H/o Lab Patiala	7.1	3.4	26	788	35000	4700	1.97	0.01	0.52	E
4	Ghaggar at U/s Jharmal Nadi	1702	5.5.2023	SW 1704	H/o Lab Patiala	7.4	4.1	13	698	24000	3400	1.92	0.15	0.49	D
5	Ghaggar at D/s Jharmal Nadi	1701	5.5.2023	SW 1705	H/o Lab Patiala	7.4	3.6	17	753	28000	3900	1.90	0.16	0.54	E
6	Ghaggar at U/s Dhakanshu Nallah	1699	5.5.2023	SW 1707	H/o Lab Patiala	6.6	4.0	15	668	28000	3300	1.92	BDL	0.52	D
7	Ghaggar at D/s Dhakanshu Nallah	1700	5.5.2023	SW 1708	H/o Lab Patiala	7.1	2.9	18	845	35000	3900	1.99	0.01	0.58	E
8	Ghaggar at Rattanheri	1473	11.5.2023	SW 1717	H/o Lab Patiala	7.5	2.4	20	871	35000	6300	2.15	0.23	0.71	E
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	11.5.2023	SW 1718	H/o Lab Patiala	7.0	2.5	19	823	35000	4600	2.01	BDL	0.68	E
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	11.5.2023	SW 1719	H/o Lab Patiala	7.4	2.1	29	971	35000	7000	2.07	0.16	0.73	E
11	Ghaggar at Khanauri	1024	11.5.2023	SW 1722	H/o Lab Patiala	6.8	3.6	18	893	35000	6300	2.01	BDL	0.75	E
12	Ghaggar at Moonak	1703	11.5.2023	SW 1724	H/o Lab Patiala	6.8	3.1	21	1021	35000	7000	2.07	BDL	0.77	E
13	Ghaggar at U/s Sardulgarh	1705	12.5.2023	SW 1725	H/o Lab Patiala	7.2	5.6	9	499	21000	2200	1.74	0.09	0.49	D
14	Ghaggar at D/s Sardulgarh	1704	12.5.2023	SW 1726	H/o Lab Patiala	7.2	4.6	12	598	22000	2600	1.80	0.10	0.53	D

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1	Ghaggar at Mubarikpur Rest House	1023	5.5.2023	SW 1701	H/o Lab Patiala	45	490	590	347	295	39	12	148	38	13	238	BDL	7.9	1.0	11.1	2.3	1.1	51	23
2	Ghaggar at Bhankarpur	1295	5.5.2023	SW 1702	H/o Lab Patiala	96	500	417	553	471	80	23	332	85	29	287	BDL	10.1	2.2	14.1	2.7	1.4	86	46
3	Ghaggar at Chattbir	1698	5.5.2023	SW 1703	H/o Lab Patiala	105	430	435	513	438	77	21	297	76	26	261	BDL	10.7	2.0	15.0	2.6	1.4	78	48
4	Ghaggar at U/s Jharmal Nadi	1702	5.5.2023	SW 1704	H/o Lab Patiala	63	360	341	455	389	59	19	244	58	24	257	BDL	10.3	1.7	14.4	2.0	1.1	69	42
5	Ghaggar at D/s Jharmal Nadi	1701	5.5.2023	SW 1705	H/o Lab Patiala	84	410	398	489	417	62	24	271	64	27	275	BDL	10.9	2.1	15.3	2.1	1.3	72	45
6	Ghaggar at U/s Dhakanshu Nallah	1699	5.5.2023	SW 1707	H/o Lab Patiala	71	300	292	437	373	49	20	224	53	22	265	BDL	10.6	1.4	14.8	1.8	1.0	66	36
7	Ghaggar at D/s Dhakanshu Nallah	1700	5.5.2023	SW 1708	H/o Lab Patiala	89	390	441	548	468	80	25	323	83	28	283	BDL	11.4	2.3	15.0	2.4	1.6	82	49
8	Ghaggar at Rattanheri	1473	11.5.2023	SW 1717	H/o Lab Patiala	97	250	193	565	481	80	31	317	79	29	290	BDL	11.7	1.6	16.4	3.1	1.4	88	53
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	11.5.2023	SW 1718	H/o Lab Patiala	95	235	191	538	458	78	26	293	76	25	287	BDL	11.4	1.2	15.0	2.8	1.1	79	47
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	11.5.2023	SW 1719	H/o Lab Patiala	110	270	215	635	541	93	40	382	92	37	310	BDL	10.6	2.0	14.8	3.3	1.6	93	58
11	Ghaggar at Khanauri	1024	11.5.2023	SW 1722	H/o Lab Patiala	92	265	219	583	497	86	29	346	87	31	300	BDL	11.9	2.2	16.7	3.1	1.5	86	50
12	Ghaggar at Moonak	1703	11.5.2023	SW 1724	H/o Lab Patiala	100	290	271	665	567	96	46	425	96	45	319	BDL	12.3	2.4	17.2	3.8	1.9	98	59
13	Ghaggar at U/s Sardulgarh	1705	12.5.2023	SW 1725	H/o Lab Patiala	48	45	35	325	278	30	18	139	29	16	224	BDL	8.9	0.8	12.5	2.0	0.7	47	22
14	Ghaggar at D/s Sardulgarh	1704	12.5.2023	SW 1726	H/o Lab Patiala	57	65	58	391	336	40	24	198	41	23	238	BDL	9.9	0.9	14.9	2.4	0.7	58	31

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1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	9.5.2023	SW 1714	H.O. Lab Patiala	7.7	BDL	158	5215	430000	140000	0.26	6.58	1.53	E
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	9.5.2023	SW 1715	H.O. Lab Patiala	7.9	BDL	73	2672	350000	120000	0.87	3.24	1.39	E
3	Point Source B/N	2914	18.05.23	SW 1753	ZO Lab Ldh	7.3	BDL	105	1715	92,00,000	35,00,000	0.229	6.86	1.46	E
4	Kali Bein into Beas	2913	16/05/23	SW 184	ZO Lab, Jal	7.0	4.0	2.9	309	3300	1100	BDL	0.78	0.58	C
5	Outfall of Nag Kalan drain into Tung Dhab drain at Majitha road, Amritsar	4163	Drain was found dried, hence sample could not be collected												
6	Tungdab drain at fatehgarh churian, Amritsar	2910	18/05/23	SW 190	ZO Lab, Jal	7.6	BDL	155	3148	840000	460000	0.55	7.36	0.47	E
7	Hundiara drain before entering Pakistan	2907	18/05/23	SW 191	ZO Lab, Jal	7.9	BDL	85	1514	630000	230000	0.81	3.73	0.54	E
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected												
9	Ranjit Sagar Reservoir	2912	09/05/23	S 169	ZO Lab, Jal	8.1	8.6	1	174	140	32	BDL	0.14	BDL	B
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	5.5.2023	SW 1709	H.O. Lab Patiala	6.6	BDL	48	1551	420000	32000	BDL	2.19	0.87	E
11	Sagar Para Drain at village sagra dist.Patiala	4158	11.5.2023	SW 1720	H.O. Lab Patiala	7.3	BDL	36	4261	43000	7000	0.08	2.09	0.78	E
12	Confluence point of sukhana Choe with River Ghaggar,vill.Mubarkpur	4162	5.5.2023	SW 1713	H.O. Lab Patiala	6.9	BDL	105	2571	540000	220000	BDL	3.78	1.25	E
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	17.05.23	SW 1741	ZO Lab Ldh	7.8	9.0	BDL	348	700	92	BDL	0.29	0.33	C

- Note. 1. BDL means Below Method Detection Limit**
2. DBU means Designated Best Use (Class-A,B,C,D & E)
3. Water Quality Index (S means Satisfactory, U means Unsatisfactory)
4. U/s means Upstream, D/s means Downstream

Analysis results of Surface water monitoring under NWMP for the month of May, 2023

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	COD mg/l	Turb NTU	TSS mg/l	TDS mg/l	FDS mg/l	Cl mg/l	SO ₄ Mg/l	TH mg/l	Ca mg/l	Mg mg/l	T.Alkn mg/l	P.Alkn mg/l	Amn-N mg/l	NO ₃ -N mg/l	TKN mg/l	PO ₄ as P mg/l	F mg/l	Na mg/l	K mg/l
1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	9.5.2023	SW 1714	H.O. Lab Patiala	497	590	559	3393	2891	722	128	2253	463	266	1048	BDL	8.8	4.0	12.3	7.4	7.7	718	299
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	9.5.2023	SW 1715	H.O. Lab Patiala	248	290	293	1738	1478	249	118	1336	258	168	492	BDL	19.3	2.3	27.0	6.1	5.3	272	288
3	Point Source B/N	2914	18.05.23	SW 1753	ZO Lab Ldh	340	190	292	1097	786	246	82	340	89.6	28.2	348	BDL	22.8	5.9	30.6	6.9	0.62	291	32
4	Kali Bein into Beas	2913	16/05/23	SW 184	ZO Lab, Jal	18	11	14	181	148	21	17	112	29	9.7	110	BDL	1.2	1.3	1.7	0.17	0.20	19	1.9
5	Outfall of Nag Kalan drain into Tung Dhab drain at Majitha road, Amritsar	4163	Drain was found dried, hence sample could not be collected																					
6	Tungdab drain at fatehgarh churian, Amritsar	2910	18/05/23	SW 190	ZO Lab, Jal	408	145	175	1823	1255	527	152	420	103	39	700	BDL	22	4	32	2.8	0.32	347	17
7	Hundiara drain before entering Pakistan	2907	18/05/23	SW 191	ZO Lab, Jal	220	112	106	895	624	135	96	314	77	30	500	BDL	18	2.8	26	2.5	0.30	152	22
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected																					
9	Ranjit Sagar Reservoir	2912	09/05/23	S 169	ZO Lab, Jal	6	12	11	102	80	8	7	86	21	8.3	60	BDL	BDL	0.6	BDL	BDL	0.10	3	1.8
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	5.5.2023	SW 1709	H.O. Lab Patiala	202	260	261	1008	858	146	96	867	177	103	306	BDL	9.0	1.7	12.6	5.8	4.9	148	97
11	Sagar Para Drain at village sagra dist.Patiala	4158	11.5.2023	SW 1720	H.O. Lab Patiala	115	170	178	819	698	106	83	664	119	89	299	BDL	8.0	1.5	11.2	3.6	3.0	124	71
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	5.5.2023	SW 1713	H.O. Lab Patiala	352	400	396	1673	1424	296	146	1397	315	148	377	BDL	21.4	3.8	30.0	6.0	6.3	325	153
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	17.05.23	SW 1741	ZO Lab LDH	BDL	24	32	212	184	18	25	136	40	8.7	112	BDL	BDL	1.3	BDL	BDL	0.19	7.8	3.4

Note. 1. BDL means Below Method Detection Limit

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