

Analysis results of Surface water monitoring under NWMP for the month of February, 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	Water Quality Index
1	River River Sutlej at U/S Nangal	1017	06.02.2023	SW 556	ZO Lab LDH	7.6	8.5	BDL	233	220	78	BDL	0.17	BDL	B	S
2	River River Sutlej at D/S NFL	1380	06.02.2023	SW 557	ZO Lab LDH	8.3	11.2	BDL	253	330	100	BDL	0.19	BDL	B	S
3	River Sutlej at 100m D/s PACL Nangal	2915	06.02.2023	SW 558	ZO Lab LDH	8.4	11.0	BDL	250	330	110	BDL	0.19	BDL	B	S
4	River River Sutlej at D/s Nangal	1018	06.02.2023	SW 559	ZO Lab LDH	8.3	10.6	BDL	255	390	170	BDL	0.31	0.15	B	S
5	River River Sutlej at Kiratpur Sahib	1814	08.02.2023	SW 576	ZO Lab LDH	8.0	9.4	BDL	248	580	250	0.065	0.21	0.18	C	S
6	Ropar Head-Works	1019	08.02.2023	SW 579	ZO Lab LDH	7.8	6.6	BDL	259	940	330	BDL	0.33	0.13	C	S
7	River River Sutlej D/S of Rishab- Paper Mills	1293	08.02.2023	SW 580	ZO Lab LDH	7.5	8.0	BDL	273	1700	700	BDL	0.34	0.34	C	S
8	River River Sutlej U/S Buddha Nallah	1690	09.02.2023	SW 583	ZO Lab LDH	7.6	7.0	2.0	311	3900	1300	BDL	0.63	0.32	C	S
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	09.02.2023	SW 585	ZO Lab LDH	7.3	1.2	45	843	21,00,000	4,30,000	0.062	2.17	0.48	E	S
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	10.02.2023	SW 587	ZO Lab LDH	7.6	3.9	10	502	4,60,000	1,70,000	0.080	1.41	0.29	E	S
11	River River Sutlej at D/s East Bein	1381	10.02.2023	SW 588	ZO Lab LDH	7.4	2.5	13	585	7,00,000	2,10,000	0.081	2.00	0.43	E	S
12	River Sutlej at Harike	1022	10.02.2023	SW 589	ZO Lab LDH	7.5	6.2	2.8	402	4900	1700	0.044	1.44	0.30	C	S
13	Harike Lake D/S from canal	1382	10/02/23	55	ZO Lab, Jal	8.0	9.2	1.6	217	2800	1100	0.06	0.39	0.35	C	S
14	D/S Harike lake	1297	10/02/23	54	ZO Lab, Jal	7.7	8.8	1.3	248	2100	940	0.03	0.44	0.49	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	13.02.2023	SW 591	ZO Lab LDH	8.1	8.4	2.0	325	2600	780	BDL	1.56	0.17	C	S
16	D/S Hussainiwala H/W Ferozepur	1692	13.02.2023	SW 592	ZO Lab LDH	7.9	8.0	2.4	344	2700	1100	BDL	1.41	0.31	C	S

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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1	River River Sutlej at U/S Nangal	1017	06.02.2023	SW 556	ZO Lab LDH	BDL	BDL	BDL	135	119	9	25	112	28.8	9.7	78	BDL	BDL	0.4	BDL	BDL	0.17	4.1	1.9
2	River River Sutlej at D/S NFL	1380	06.02.2023	SW 557	ZO Lab LDH	BDL	BDL	BDL	148	128	13	26	120	31.2	10.2	76	BDL	BDL	0.9	BDL	BDL	0.18	4.8	2
3	River Sutej at 100m D/s PACL Nangal	2915	06.02.2023	SW 558	ZO Lab LDH	BDL	BDL	BDL	147	129	15	26	120	30.4	10.7	72	BDL	BDL	0.8	BDL	BDL	0.18	4.8	2
4	River River Sutlej atD/s Nangal	1018	06.02.2023	SW 559	ZO Lab LDH	BDL	3	BDL	150	132	17	25	108	28	9.2	66	BDL	BDL	1.3	BDL	BDL	0.17	7.5	3.6
5	River River Sutlej at Kiratpur Sahib	1814	08.02.2023	SW 576	ZO Lab LDH	BDL	4	BDL	139	120	8	24	120	32	9.7	78	BDL	1.3	1	1.8	BDL	0.19	5.3	2.3
6	Ropar Head-Works	1019	08.02.2023	SW 579	ZO Lab LDH	BDL	10	11	152	130	8	24	132	36	10.2	82	BDL	BDL	1.2	BDL	BDL	0.19	8.6	3
7	River River Sutlej D/S of Rishab-Paper Mills	1293	08.02.2023	SW 580	ZO Lab LDH	BDL	11	13	165	143	13	27	130	36.8	9.2	88	BDL	BDL	1.1	BDL	BDL	0.18	8.8	3.2
8	River River Sutlej U/S Buddha Nallah	1690	09.02.2023	SW 583	ZO Lab LDH	10	42	35	193	158	16	34	136	38.4	9.7	102	BDL	BDL	2	BDL	0.39	0.19	17	3.7
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	09.02.2023	SW 585	ZO Lab LDH	180	110	176	522	423	99	62	256	58.4	26.7	214	BDL	6.2	3.2	8.7	1.54	0.27	80	10
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	10.02.2023	SW 587	ZO Lab LDH	52	70	136	307	254	49	42	160	40.8	14.1	124	BDL	3.2	2.9	5.0	0.80	0.22	41	6.6
11	River River Sutlej at D/s East Bein	1381	10.02.2023	SW 588	ZO Lab LDH	65	75	134	375	312	83	40	188	48.8	16.0	148	BDL	5.4	4	7.2	1.18	0.26	63	9.8
12	River River Sutlej at Harike	1022	10.02.2023	SW 589	ZO Lab LDH	20	85	138	259	220	44	26	132	33.6	11.7	124	BDL	2.2	2.2	3.3	0.34	0.21	38	6.7
13	Harike Lake D/S from canal	1382	10/02/23	55	ZO Lab, Jal	10	52	61	138	108	11	10	96	22	9.7	88	BDL	1.1	1.1	1.8	0.14	0.15	8.7	2.7
14	D/S Harike lake	1297	10/02/23	54	ZO Lab, Jal	9	32	30	142	115	11	9	94	24	8.3	92	BDL	1.0	1	1.7	0.13	0.17	9.8	3.2
15	U/S Hussainiwala H/W Ferozepur	1691	13.02.2023	SW 591	ZO Lab LDH	10	7	BDL	187	167	8	17	112	29.6	9.2	104	BDL	BDL	1.5	BDL	0.14	0.20	38	8.2
16	D/S Hussainiwala H/W Ferozepur	1692	13.02.2023	SW 592	ZO Lab LDH	13	10	BDL	194	168	10	20	116	30.4	9.7	110	BDL	BDL	1.6	BDL	0.17	0.20	35	8.1

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River Beas

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17	River Beas at Talwara H/W	1693	03/02/23	37	ZO Lab, Jal	7.8	7.9	1.1	182	150	46	0.02	0.49	BDL	B	S
18	River Beas at U/S Pathankot	1694	03/02/23	39	ZO Lab, Jal	8.1	8.9	1	198	220	79	0.05	0.52	0.20	B	S
19	River Beas at D/S Pathankot	1695	03/02/23	40	ZO Lab, Jal	8.2	8.2	1.2	272	280	110	0.06	0.45	0.25	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	03/02/23	38	ZO Lab, Jal	8.2	9.1	1.1	204	170	49	0.06	0.53	0.11	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	06/02/23	41	ZO Lab, Jal	8.1	9.1	1.2	275	330	140	0.06	0.29	0.44	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	06/02/23	42	ZO Lab, Jal	8.2	9.2	1.1	266	330	170	0.08	0.46	0.23	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	06/02/23	44	ZO Lab, Jal	8.1	9.4	1.2	232	310	140	0.06	0.40	0.31	B	S
24	River Beas at U/s Goindwal	1696	10/02/23	51	ZO Lab, Jal	8.0	9.1	1.1	245	280	110	0.05	0.39	0.17	B	S
25	River Beas at D/s Goindwal	1012	10/02/23	52	ZO Lab, Jal	8.1	8.9	1.2	245	310	140	0.07	0.44	0.21	B	S
26	Beas at Harike	1697	10/02/23	53	ZO Lab, Jal	8.1	8.9	1.1	255	350	120	0.07	0.39	0.16	B	S

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.Alkn mg/l	P.Alkn 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
17	River Beas at Talwara H/W	1693	03/02/23	37	ZO Lab, Jal	BDL	12	11	89	70	7	5	78	19	7.3	64	BDL	BDL	0.4	BDL	BDL	0.10	4.0	2.4
18	River Beas at U/S Pathankot	1694	03/02/23	39	ZO Lab, Jal	6	16	13	129	98	13	11	84	21	7.8	86	BDL	0.8	0.8	1.2	0.11	0.10	11	3.2
19	River Beas at D/S Pathankot	1695	03/02/23	40	ZO Lab, Jal	7	52	49	163	145	14	12	112	29	9.7	96	BDL	0.8	0.7	1.3	0.11	0.12	11	2.8
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	03/02/23	38	ZO Lab, Jal	8	39	48	140	116	12	10	92	21	9.7	92	BDL	0.9	0.8	1.5	0.15	0.13	8.8	2.5
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	06/02/23	41	ZO Lab, Jal	8	50	45	155	128	12	11	108	25	11	102	BDL	0.9	0.9	1.5	0.12	0.12	6.9	3.0
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	06/02/23	42	ZO Lab, Jal	7	48	42	154	125	10	9	110	26	11	98	BDL	1.0	0.8	1.6	0.13	0.15	11	3.0
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	06/02/23	44	ZO Lab, Jal	8	39	48	140	116	12	10	92	21	9.7	92	BDL	0.9	0.8	1.5	0.15	0.13	8.8	2.5
24	River Beas at U/s Goindwal	1696	10/02/23	51	ZO Lab, Jal	8	41	37	142	115	11	9	98	22	10	96	BDL	0.9	0.9	1.4	0.14	0.14	8.8	2.3
25	River Beas at D/s Goindwal	1012	10/02/23	52	ZO Lab, Jal	8	35	44	140	108	10	8	96	23	9.2	92	BDL	1.0	1	1.7	0.13	0.15	9.9	2.7
26	Beas at Harike	1697	10/02/23	53	ZO Lab, Jal	8	61	53	148	112	12	10	98	22	11	96	BDL	1.0	1	1.6	0.12	0.16	8.9	2.3

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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	Water Quality Index
27	Ravi at U/s of Madhopur H/W	1097	Point was found dried, hence sample could not be collected													

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	AmnN 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		
27	Ravi at U/s of Madhopur H/W	1097	Point was found dried, hence sample could not be collected																							

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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	Free Amm. mg/l	SAR	B mg/l	Quality of water as per DBDU
1	Ghaggar at Mubarikpur Rest House	1023	6.2.23	SW 1280	H/o Lab Patiala	7.9	4.5	13	567	22000	2600	7.6	1.83	0.54	D
2	Ghaggar at Bhankarpur	1295	6.2.23	SW 1281	H/o Lab Patiala	7.8	2.9	26	763	28000	3900	9.5	1.99	0.60	E
3	Ghaggar at Chattbir	1698	6.2.23	SW 1282	H/o Lab Patiala	7.7	3.2	25	739	28000	3800	10.4	1.95	0.65	E
4	Ghaggar at U/s Jharmal Nadi	1702	6.2.23	SW 1283	H/o Lab Patiala	7.8	3.5	16	647	28000	3200	10.7	1.84	0.52	E
5	Ghaggar at D/s Jharmal Nadi	1701	6.2.23	SW 1284	H/o Lab Patiala	7.7	3.0	18	727	35000	4600	11.2	1.89	0.66	E
6	Ghaggar at U/s Dhakanshu Nallah	1699	6.2.23	SW 1286	H/o Lab Patiala	7.6	3.4	17	649	28000	3800	10.6	2.08	0.54	E
7	Ghaggar at D/s Dhakanshu Nallah	1700	6.2.23	SW 1287	H/o Lab Patiala	7.8	2.9	19	789	35000	3900	11.3	1.97	0.70	E
8	Ghaggar at Rattanheri	1473	8.2.23	SW 1304	H/o Lab Patiala	7.6	3.2	21	810	35000	3900	11.7	1.97	0.78	E
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	8.2.23	SW 1305	H/o Lab Patiala	7.8	3.3	19	761	35000	3800	11.5	1.85	0.74	E
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	8.2.23	SW 1306	H/o Lab Patiala	7.9	3.0	24	851	43000	5800	10.2	1.96	0.92	E
11	Ghaggar at Khanauri	1024	8.2.23	SW 1309	H/o Lab Patiala	7.5	2.8	22	837	35000	4600	11.4	1.79	0.86	E
12	Ghaggar at Moonak	1703	8.2.23	SW 1311	H/o Lab Patiala	7.3	2.5	27	915	43000	6300	12.3	1.89	0.98	E
13	Ghaggar at U/s Sardulgarh	1705	13.2.23	SW 1315	H/o Lab Patiala	7.8	7.0	10	548	22000	2200	8.4	1.69	0.59	D
14	Ghaggar at D/s Sardulgarh	1704	13.2.23	SW 1312	H/o Lab Patiala	7.6	5.3	12	631	24000	3400	9.6	1.67	0.68	D

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1	Ghaggar at Mubarikpur Rest House	1023	6.2.23	SW 1280	H/o Lab Patiala	63	540	687	366	314	40	13	171	42	16	235	BDL	7.6	1.0	10.6	1.6	1.2	55	26
2	Ghaggar at Bhankarpur	1295	6.2.23	SW 1281	H/o Lab Patiala	126	350	342	498	426	72	19	283	75	23	255	BDL	9.5	1.1	13.3	2.2	1.3	77	41
3	Ghaggar at Chattbir	1698	6.2.23	SW 1282	H/o Lab Patiala	124	370	367	478	410	70	17	266	72	21	250	BDL	10.4	1.4	14.6	2.9	1.4	73	40
4	Ghaggar at U/s Jharmal Nadi	1702	6.2.23	SW 1283	H/o Lab Patiala	79	360	347	421	358	49	18	208	52	19	248	BDL	10.7	1.4	15.0	2.3	1.2	61	39
5	Ghaggar at D/s Jharmal Nadi	1701	6.2.23	SW 1284	H/o Lab Patiala	92	390	375	473	403	54	21	238	57	23	277	BDL	11.2	1.6	15.7	2.8	1.5	67	48
6	Ghaggar at U/s Dhakanshu Nallah	1699	6.2.23	SW 1286	H/o Lab Patiala	82	300	292	421	358	43	16	185	46	17	265	BDL	10.6	1.3	14.8	2.6	1.4	65	38
7	Ghaggar at D/s Dhakanshu Nallah	1700	6.2.23	SW 1287	H/o Lab Patiala	98	395	380	513	438	68	22	282	73	24	278	BDL	11.3	1.6	15.8	2.9	1.5	76	47
8	Ghaggar at Rattanheri	1473	8.2.23	SW 1304	H/o Lab Patiala	105	150	132	523	447	71	24	283	72	25	285	BDL	11.7	1.7	16.4	3.2	1.6	76	48
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	8.2.23	SW 1305	H/o Lab Patiala	98	160	137	493	421	65	21	265	68	23	280	BDL	11.5	1.5	16.1	3.0	1.6	69	44
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	8.2.23	SW 1306	H/o Lab Patiala	119	175	145	553	473	76	26	317	79	29	291	BDL	10.2	1.8	14.3	3.6	1.7	80	51
11	Ghaggar at Khanauri	1024	8.2.23	SW 1309	H/o Lab Patiala	107	145	138	546	467	76	29	323	78	31	287	BDL	11.4	1.5	16.0	3.2	1.6	74	46
12	Ghaggar at Moonak	1703	8.2.23	SW 1311	H/o Lab Patiala	132	165	159	596	510	80	35	395	83	45	295	BDL	12.3	1.7	17.2	3.9	1.9	86	52
13	Ghaggar at U/s Sardulgarh	1705	13.2.23	SW 1315	H/o Lab Patiala	98	45	29	357	305	34	16	173	38	19	232	BDL	8.4	1.2	11.8	2.0	1.1	51	27
14	Ghaggar at D/s Sardulgarh	1704	13.2.23	SW 1312	H/o Lab Patiala	64	60	34	409	348	45	21	221	47	25	247	BDL	9.6	1.3	13.4	2.5	1.2	57	31

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1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	3.2.23	SW 1256	H.O. Lab Patiala	7.9	BDL	123	5052	430000	170000	8.6	6.64	1.82	E
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	3.2.23	SW 1257	H.O. Lab Patiala	7.8	BDL	58	2478	350000	110000	21.2	3.13	1.40	E
3	Point Source B/N	2914	09.02.2023	SW 584	ZO Lab Ldh	7.4	BDL	180	1622	94,00,000	41,00,000	0.189	6.40	0.55	E
4	Kali Bein into Beas	2913	17/02/23	55	ZO Lab, Jal	7.8	5.4	2.1	265	1700	680	0.04	0.74	0.68	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	10/02/23	57	ZO Lab, Jal	7.1	ND	240	2610	630000	210000	0.03	6.17	0.58	E
7	Hundiara drain before entering Pakistan	2907	10/02/23	58	ZO Lab, Jal	7.3	ND	80	1502	470000	170000	0.22	3.39	0.69	E
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected												
9	Ranjit Sagar Reservoir	2912	03/02/23	35	ZO Lab, Jal	8.0	8.8	BDL	145	170	45	BDL	0.20	BDL	B
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	6.2.23	SW 1288	H.O. Lab Patiala	7.5	BDL	54	1459	120000	32000	8.8	1.99	1.28	E
11	Sagar Para Drain at village sagra dist.Patiala	4158	8.2.23	SW 1307	H.O. Lab Patiala	8.0	1.5	33	1141	28000	3900	7.3	1.83	0.99	E
12	Confluence point of sukhana Choe with River Ghaggar,vill.Mubarkpur	4162	6.2.23	SW 1292	H.O. Lab Patiala	7.7	BDL	88	2472	430000	120000	20.5	3.55	1.32	E
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	08.02.2023	SW 578	ZO Lab Ldh	8.2	9.1	BDL	312	1100	460	0.056	0.57	0.24	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 February, 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	3.2.23	SW 1256	H.O. Lab Patiala	487	450	431	3262	2775	710	96	2059	417	247	1110	BDL	8.6	7.3	12.0	7.2	6.9	692	272
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	3.2.23	SW 1257	H.O. Lab Patiala	229	270	261	1591	1361	213	102	1189	235	146	478	BDL	21.2	4.1	29.7	5.5	4.7	248	261
3	Point Source B/N	2914	09.2.23	SW 584	ZO Lab Ldh	594	180	490	1086	802	232	84	312	72	32.1	528	BDL	12.6	5.6	18.2	6.30	0.45	260	28.5
4	Kali Bein into Beas	2913	17/02/23	55	ZO Lab, Jal	12	10	14	156	118	16	13	100	25	9.2	94	BDL	1.1	1.5	1.8	0.18	0.22	17	5.1
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	10/02/23	57	ZO Lab, Jal	620	212	254	1492	942	352	154	346	79	36	590	BDL	28	6.8	42	3.2	0.40	264	20
7	Hundiara drain before entering Pakistan	2907	10/02/23	58	ZO Lab, Jal	280	230	288	940	580	140	90	356	83	36	600	BDL	22	5.6	30	2.1	0.36	147	22
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected																					
9	Ranjit Sagar Reservoir	2912	03/02/23	35	ZO Lab, Jal	BDL	12	11	89	70	7	5	78	19	7.3	64	BDL	BDL	0.4	BDL	BDL	0.10	4.0	2.4
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	6.2.23	SW 1288	H.O. Lab Patiala	212	325	311	948	811	123	83	793	156	98	342	BDL	8.8	5.2	12.3	4.6	4.8	129	89
11	Sagar Para Drain at village sagra dist.Patiala	4158	8.2.23	SW 1307	H.O. Lab Patiala	121	150	145	742	631	97	68	576	112	72	293	BDL	7.3	3.1	10.2	3.3	2.4	101	65
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	6.2.23	SW 1292	H.O. Lab Patiala	347	380	364	1597	1361	262	119	1327	287	148	368	BDL	20.5	5.9	28.7	5.7	5.1	297	143
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	08.2.23	SW 578	ZO Lab LDH	BDL	15	26	192	162	12	28	154	42	11.9	104	BDL	0.7	2.3	BDL	BDL	0.22	16.4	3.6

Note. 1. BDL means Below Method Detection Limit

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