

Analysis results of Surface water monitoring under NWMP for the month of December, 2021

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	07.12.2021	SW 104	ZO Lab LDH	8.2	7.7	BDL	225	110	20	BDL	0.16	BDL	B	S
2	River River Sutlej at D/S NFL	1380	07.12.2021	SW 105	ZO Lab LDH	8.5	10.2	BDL	273	240	61	BDL	0.23	BDL	B	S
3	River Sutlej at 100m D/s PACL Nangal	2915	07.12.2021	SW 106	ZO Lab LDH	8.6	10.3	BDL	271	270	68	BDL	0.22	BDL	B	S
4	River River Sutlej at D/s Nangal	1018	07.12.2021	SW 107	ZO Lab LDH	9.1	10.8	BDL	265	330	68	BDL	0.24	0.21	B	S
5	River River Sutlej at Kiratpur Sahib	1814	10.12.2021	SW 117	ZO Lab LDH	8.4	9.2	BDL	240	630	92	BDL	0.23	0.15	C	S
6	Ropar Head-Works	1019	10.12.2021	SW 114	ZO Lab LDH	7.9	9.2	BDL	268	3400	1300	BDL	0.28	0.16	C	S
7	River River Sutlej D/S of Rishab- Paper Mills	1293	10.12.2021	SW 113	ZO Lab LDH	7.8	9.3	BDL	256	3800	1300	BDL	0.32	0.44	C	S
8	River River Sutlej U/S Buddha Nallah	1690	13.12.2021	SW 119	ZO Lab LDH	7.9	7.2	1.4	321	4800	2200	0.036	0.51	0.40	C	S
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	13.12.2021	SW 121	ZO Lab LDH	7.3	BDL	26	693	31,00,000	17,00,000	0.059	1.97	0.48	E	U
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	14.12.2021	SW 125	ZO Lab LDH	7.5	3.8	8	452	2,60,000	93,000	0.048	1.06	0.30	D	U
11	River River Sutlej at D/s East Bein	1381	14.12.2021	SW 126	ZO Lab LDH	7.4	2.0	11	924	6,30,000	2,60,000	0.086	2.65	0.49	E	U
12	River Sutlej at Harike	1022	14.12.2021	SW 127	ZO Lab LDH	7.7	6.9	2.2	345	4900	1700	0.024	0.80	0.40	C	S
13	Harike Lake D/S from canal	1382	13/12/21	482	ZO Lab, Jal	7.9	9.4	1.1	208	490	110	0.153	0.25	0.38	B	S
14	D/S Harike lake	1297	13/12/21	483	ZO Lab, Jal	8.0	9.0	1.1	218	940	320	0.100	0.30	0.49	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	17.12.2021	SW 130	ZO Lab LDH	8.2	6.2	1.2	281	1100	450	BDL	0.67	0.20	C	S
16	D/S Hussainiwala H/W Ferozepur	1692	17.12.2021	SW 131	ZO Lab LDH	8.3	6.0	1.6	267	1300	450	BDL	0.74	0.39	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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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.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
1	River River Sutlej at U/S Nangal	1017	07.12.2021	SW 104	ZO Lab Ldh	BDL	BDL	BDL	120	109	6	5	100	25.6	8.7	74	BDL	BDL	1.6	BDL	BDL	0.21	3.6	1.1
2	River River Sutlej at D/S NFL	1380	07.12.2021	SW 105	ZO Lab Ldh	BDL	BDL	BDL	138	124	8	6	116	28.8	10.7	82	BDL	BDL	1.9	BDL	BDL	0.25	5.6	1.6
3	River Sutej at 100m D/s PACL Nangal	2915	07.12.2021	SW 106	ZO Lab Ldh	BDL	BDL	BDL	137	123	7	5	126	32	11.2	78	BDL	BDL	1.7	BDL	BDL	0.26	5.6	1.5
4	River River Sutlej atD/s Nangal	1018	07.12.2021	SW 107	ZO Lab Ldh	BDL	4	BDL	144	129	7	5	138	32.8	13.6	82	BDL	BDL	1.6	BDL	BDL	0.25	6.4	1.6
5	River River Sutlej at Kiratpur Sahib	1814	10.12.2021	SW 117	ZO Lab Ldh	BDL	4	BDL	129	112	7	7	108	26.4	10.2	74	BDL	BDL	1.8	BDL	BDL	0.25	5.4	1.2
6	Ropar Head-Works	1019	10.12.2021	SW 114	ZO Lab Ldh	BDL	10	13	139	124	9	15	108	25.6	10.7	72	BDL	BDL	1.5	BDL	BDL	0.21	6.6	1.5
7	River River Sutlej D/S of Rishab-Paper Mills	1293	10.12.2021	SW 113	ZO Lab Ldh	BDL	11	14	138	121	11	9	114	27.2	11.2	78	BDL	BDL	1.8	BDL	BDL	0.32	7.8	1.5
8	River River Sutlej U/S Buddha Nallah	1690	13.12.2021	SW 119	ZO Lab Ldh	12	50	73	206	174	32	21	124	30.4	11.7	94	BDL	0.8	2.6	1.2	0.43	0.34	13.1	2.9
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	13.12.2021	SW 121	ZO Lab LDH	108	110	120	423	335	87	32	190	44.8	19.0	180	BDL	5.9	2.4	8.3	2.60	0.57	62.5	8.9
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	14.12.2021	SW 125	ZO Lab LDH	44	60	59	276	228	42	26	158	40.8	13.6	118	BDL	2.4	1.9	3.3	2.11	0.21	30.7	6.6
11	River River Sutlej at D/s East Bein	1381	14.12.2021	SW 126	ZO Lab LDH	62	70	65	564	453	108	32	204	50.4	19.0	296	BDL	5.7	1.8	8.0	3.34	0.23	87	16.3
12	River River Sutlej at Harike	1022	14.12.2021	SW 127	ZO Lab LDH	14	85	93	207	180	31	18	122	31.2	10.7	114	BDL	0.8	2.2	1.1	0.31	0.27	20.2	4.4
13	Harike Lake D/S from canal	1382	13/12/21	482	ZO Lab, Jal	18	36	18	129	108	19	14	98	26	8	86	BDL	3.4	1.2	4.0	0.21	0.18	5.6	2.8
14	D/S Harike lake	1297	13/12/21	483	ZO Lab, Jal	15	10	BDL	134	112	15	12	88	26	5	90	BDL	2.0	0.9	2.5	0.17	0.16	6.4	2.8
15	U/S Hussainiwala H/W Ferozepur	1691	17.12.2021	SW 130	ZO Lab Ldh	7	16	21	169	146	12	10	138	33.6	13.1	112	BDL	BDL	1.5	BDL	BDL	0.20	18.1	5.6
16	D/S Hussainiwala H/W Ferozepur	1692	17.12.2021	SW 131	ZO Lab Ldh	8	17	23	175	152	17	12	112	29.6	9.2	118	BDL	BDL	1.7	BDL	BDL	0.22	18	5.2

- Note. 1. BDL means Below Method Detection Limit**
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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	07/12/21	465	ZO Lab, Jal	7.9	7.1	1.0	185	94	22	0.032	0.33	BDL	B	S
18	River Beas at U/S Pathankot	1694	07/12/21	467	ZO Lab, Jal	7.9	8.6	1.1	194	220	40	0.041	0.29	0.19	B	S
19	River Beas at D/S Pathankot	1695	07/12/21	468	ZO Lab, Jal	8.0	8.1	1.2	254	330	68	0.050	0.31	0.26	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	07/12/21	466	ZO Lab, Jal	7.9	9.8	1.2	307	170	33	0.036	0.48	0.10	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	10/12/21	472	ZO Lab, Jal	8.0	8.0	1.2	279	460	92	0.055	0.31	0.40	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	22/12/21	487	ZO Lab, Jal	7.8	9.0	1.1	369	330	68	0.060	0.59	0.22	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	13/12/21	478	ZO Lab, Jal	8.0	9.1	1.3	201	280	70	0.065	0.20	0.24	B	S
24	River Beas at U/s Goindwal	1696	13/12/21	479	ZO Lab, Jal	8.0	9.3	BDL<1	199	220	63	0.040	0.22	0.15	B	S
25	River Beas at D/s Goindwal	1012	13/12/21	480	ZO Lab, Jal	8.0	9.2	1.0	202	280	70	0.050	0.24	0.19	B	S
26	Beas at Harike	1697	13/12/21	481	ZO Lab, Jal	7.9	9.5	1.0	207	330	78	0.041	0.24	0.15	B	S

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17	River Beas at Talwara H/W	1693	07/12/21	465	ZO Lab, Jal	10	6	BDL	110	83	10	8	82	27	3	69	BDL	0.7	0.5	BDL	0.13	0.11	6.7	2.6
18	River Beas at U/S Pathankot	1694	07/12/21	467	ZO Lab, Jal	12	18	12	168	137	12	10	99	29	7	94	BDL	0.9	1.0	1.7	0.14	0.16	6.6	2.5
19	River Beas at D/S Pathankot	1695	07/12/21	468	ZO Lab, Jal	14	15	11	155	130	14	12	101	31	6	79	BDL	1.0	0.9	1.7	0.13	0.14	7.3	2.9
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	07/12/21	466	ZO Lab, Jal	13	9	BDL	178	148	14	12	98	28	7	98	BDL	0.8	1.1	1.6	0.16	0.15	11	3.4
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	10/12/21	472	ZO Lab, Jal	16	21	10	160	135	16	13	104	32	6	81	BDL	1.1	1.2	1.8	0.16	0.15	7.2	3.2
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	22/12/21	487	ZO Lab, Jal	15	17	10	206	172	19	14	110	33	6	96	BDL	1.7	1.2	2.5	0.20	0.18	14	4.3
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	13/12/21	478	ZO Lab, Jal	17	24	11	125	102	16	12	108	32	6	75	BDL	1.3	0.9	1.8	0.17	0.15	4.8	2.7
24	River Beas at U/s Goindwal	1696	13/12/21	479	ZO Lab, Jal	12	20	11	114	97	8	8	90	26	6	73	BDL	0.8	0.7	BDL	0.11	0.12	4.9	2.7
25	River Beas at D/s Goindwal	1012	13/12/21	480	ZO Lab, Jal	13	22	12	124	105	10	9	95	27	7	77	BDL	1.0	0.8	1.6	0.13	0.12	5.5	2.6
26	Beas at Harike	1697	13/12/21	481	ZO Lab, Jal	12	27	14	126	98	15	12	95	28	6	81	BDL	0.9	0.8	1.6	0.19	0.13	5.3	2.7

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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	07/12/21	464	ZO Lab, Jal	7.8	8.1	1.0	170	94	26	0.018	0.05	BDL	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	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	07/12/21	464	ZO Lab, Jal	8	3	BDL	97	78	8	7	78	24	4	65	BDL	0.5	0.4	BDL	BDL	0.12	BDL	2.3

Analysis results of Surface water monitoring under NWMP for the month of December, 2021

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	Water Quality Index
1	Ghaggar at Mubarikpur Rest House	1023	10/12/2021	5457	H/o Lab Patiala	7.6	4.6	11	578	21000	2600	0.21	2.07	0.42	D	U
2	Ghaggar at Bhankarpur	1295	10/12/2021	5458	H/o Lab Patiala	7.4	3.4	19	628	24000	3400	0.14	2.01	0.57	E	U
3	Ghaggar at Chattbir	1698	10/12/2021	5459	H/o Lab Patiala	7.2	3.7	22	692	28000	3900	0.10	1.89	0.59	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	10/12/2021	5460	H/o Lab Patiala	7.6	4.0	16	602	24000	3300	0.23	1.90	0.53	D	U
5	Ghaggar at D/s Jharmal Nadi	1701	10/12/2021	5461	H/o Lab Patiala	7.4	3.5	21	704	28000	4600	0.16	1.77	0.58	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	10/12/2021	5463	H/o Lab Patiala	7.5	3.3	15	610	24000	3400	0.22	1.67	0.61	E	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	10/12/2021	5464	H/o Lab Patiala	7.4	3.0	21	710	28000	4600	0.18	1.82	0.68	E	U
8	Ghaggar at Rattanheri	1473	20/12/2021	5483	H/o Lab Patiala	7.3	3.1	18	685	28000	3800	0.15	1.87	0.71	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	20/12/2021	5484	H/o Lab Patiala	7.4	3.3	17	665	28000	3800	0.21	1.79	0.68	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	20/12/2021	5485	H/o Lab Patiala	7.4	2.8	20	715	28000	4000	0.21	1.82	0.74	E	U
11	Ghaggar at Khanauri	1024	20/12/2021	5488	H/o Lab Patiala	7.4	3.4	16	615	28000	3900	0.22	1.83	0.72	E	U
12	Ghaggar at Moonak	1703	20/12/2021	5490	H/o Lab Patiala	7.7	3.2	20	735	35000	6300	0.45	1.92	0.76	E	U
13	Ghaggar at U/s Sardulgarh	1705	23/12/2021	5491	H/o Lab Patiala	7.2	5.3	10	465	17000	2700	0.08	1.72	0.39	D	U
14	Ghaggar at D/s Sardulgarh	1704	23/12/2021	5492	H/o Lab Patiala	7.3	5.1	12	525	21000	3100	0.09	1.65	0.44	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	10/12/2021	5457	H/o Lab Patiala	57	430	427	368	319	32	16	150	35	15	217	BDL	8.3	1.1	11.6	1.2	1.2	58	24
2	Ghaggar at Bhankarpur	1295	10/12/2021	5458	H/o Lab Patiala	78	390	402	402	343	45	17	192	47	18	234	BDL	9.3	1.2	13.0	1.3	1.2	64	27
3	Ghaggar at Chattbir	1698	10/12/2021	5459	H/o Lab Patiala	87	300	315	438	373	58	21	239	56	24	242	BDL	10.2	1.3	14.3	1.6	1.2	67	29
4	Ghaggar at U/s Jharmal Nadi	1702	10/12/2021	5460	H/o Lab Patiala	64	295	265	357	307	36	16	165	41	15	221	BDL	9.3	1.1	13.0	1.2	1.0	56	26
5	Ghaggar at D/s Jharmal Nadi	1701	10/12/2021	5461	H/o Lab Patiala	82	310	297	447	395	59	22	263	64	25	236	BDL	10.7	1.4	14.5	1.5	1.2	66	31
6	Ghaggar at U/s Dhakanshu Nallah	1699	10/12/2021	5463	H/o Lab Patiala	61	210	229	383	338	49	15	198	51	17	224	BDL	11.1	1.1	15.5	1.3	1.2	54	22
7	Ghaggar at D/s Dhakanshu Nallah	1700	10/12/2021	5464	H/o Lab Patiala	79	230	285	472	405	55	23	257	60	26	235	BDL	11.7	1.2	16.4	1.3	1.2	67	30
8	Ghaggar at Rattanheri	1473	20/12/2021	5483	H/o Lab Patiala	73	195	213	439	386	51	19	221	54	21	233	BDL	14.9	1.1	20.9	1.2	1.2	64	31
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	20/12/2021	5484	H/o Lab Patiala	71	185	193	411	353	49	18	212	52	20	229	BDL	14.3	1.1	20.0	1.2	1.2	60	29
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	20/12/2021	5485	H/o Lab Patiala	84	215	200	453	389	57	25	273	63	28	239	BDL	13.7	1.2	19.2	1.3	1.2	69	32
11	Ghaggar at Khanauri	1024	20/12/2021	5488	H/o Lab Patiala	69	190	167	395	336	43	19	197	46	20	232	BDL	14.5	1.1	20.3	1.2	1.2	59	30
12	Ghaggar at Moonak	1703	20/12/2021	5490	H/o Lab Patiala	83	220	201	475	406	58	27	282	65	29	247	BDL	15.1	1.2	21.1	1.3	1.2	74	39
13	Ghaggar at U/s Sardulgarh	1705	23/12/2021	5491	H/o Lab Patiala	48	35	49	292	251	31	10	113	27	11	202	BDL	8.5	1.1	11.9	1.2	1.1	42	18
14	Ghaggar at D/s Sardulgarh	1704	23/12/2021	5492	H/o Lab Patiala	58	40	52	332	284	36	14	157	37	15	215	BDL	8.9	1.1	12.5	1.3	1.2	47	21

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1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	17/12/2021	5480	H.O. Lab Patiala	7.0	BDL	116	4110	350000	170000	BDL	6.11	1.71	E	U
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	17/12/2021	5481	H.O. Lab Patiala	6.8	BDL	45	1778	140000	46000	BDL	2.39	1.06	E	U
3	Point Source B/N	2914	13.12.2021	SW 120	Z.O. Lab, Ludhiana	7.2	BDL	115	1602	94,00,000	70,00,000	0.216	4.28	0.56	E	U
4	Kali Bein into Beas	2913	20/12/21	451	ZO Lab, Jal	7.9	6.5	1.8	264	1400	330	0.072	0.64	0.60	C	S
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	13/12/21	484	ZO Lab, Jal	7.2	BDL	242	2630	790000	220000	0.480	9.12	0.49	E	U
7	Hundiara drain before entering Pakistan	2907	13/12/21	485	ZO Lab, Jal	7.4	BDL	87	1249	330000	110000	0.510	3.99	0.54	E	U
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected													
9	Ranjit Sagar Reservoir	2912	07/12/21	463	ZO Lab, Jal	7.5	7.9	BDL<1	178	79	22	0.006	0.05	BDL	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	10/12/2021	5465	H.O. Lab Patiala	7.2	1.9	47	1283	120000	26000	0.09	2.31	0.74	E	U
11	Sagar Para Drain at village sagra dist.Patiala	4158	20/12/2021	5486	H.O. Lab Patiala	7.4	1.8	24	741	84000	8100	0.11	1.77	0.88	E	U
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	10/12/2021	5469	H.O. Lab Patiala	7.2	BDL	52	1295	350000	120000	0.19	3.13	0.91	E	U
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	10.12.2021	SW 115	ZO Lab LDH	8.5	10.4	BDL	381	1100	200	BDL	0.76	0.43	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

Analysis results of Surface water monitoring under NWMP for the month of December, 2021

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	NO3-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	17/12/2021	5480	H.O. Lab Patiala	462	400	417	2649	2257	532	181	1495	282	192	987	BDL	7.7	4.3	10.8	4.1	3.2	543	179
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	17/12/2021	5481	H.O. Lab Patiala	198	180	209	1157	985	145	98	906	191	104	297	BDL	19.7	3.0	27.6	4.0	2.2	165	173
3	Point Source B/N	2914	13.12.2021	SW 120	ZO Lab LDH	360	180	320	978	715	248	56	284	68.8	27.2	460	BDL	21.6	3.9	32.5	11.73	0.82	166	26
4	Kali Bein into Beas	2913	20/12/21	451	ZO Lab, Jal	16	7	BDL	151	126	18	14	90	26	6	100	BDL	1.6	0.8	2.1	0.18	0.15	14	3.8
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	13/12/21	484	ZO Lab, Jal	610	210	69	1610	1120	122	89	363	102	26	957	BDL	48	7.1	53	8.1	0.48	399	30
7	Hundiara drain before entering Pakistan	2907	13/12/21	485	ZO Lab, Jal	328	170	58	762	540	82	74	190	57	12	480	BDL	34	4.4	37	3.2	0.35	127	27
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected																					
9	Ranjit Sagar Reservoir	2912	07/12/21	463	ZO Lab, Jal	6	1	BDL	101	80	8	6	69	19	5	71	BDL	BDL	BDL	BDL	BDL	0.09	BDL	2.4
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	10/12/2021	5465	H.O. Lab Patiala	207	165	189	813	693	110	72	618	117	79	292	BDL	8.9	2.2	12.5	4.0	2.1	132	71
11	Sagar Para Drain at village sagra dist.Patiala	4158	20/12/2021	5486	H.O. Lab Patiala	91	185	212	478	410	69	50	395	74	51	265	BDL	7.3	1.2	10.2	1.5	1.1	81	53
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	10/12/2021	5469	H.O. Lab Patiala	217	240	267	810	689	97	68	547	102	71	304	BDL	19.4	2.6	27.2	2.6	1.7	168	57
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	10.12.2021	SW 115	ZO Lab LDH	BDL	17	21	221	195	32	14	180	44.8	16.5	92	BDL	BDL	2.3	BDL	BDL	0.34	23.5	1.9

Note. 1. BDL means Below Method Detection Limit

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