

UTTARAKHAND POLLUTION CONTROL BOARD
Gauradevi Parayavaran Bhawan
46-B, SIDCUL, IT Park, Sahasrathdhara Road, DEHRADUN
(Uttarakhand)



उत्तराखण्ड प्रदूषण नियंत्रण बोर्ड
गौरादेवी पर्यावरण भवन
46-बी, सिडकुल, आई.टी. पार्क, सहस्रधारा रोड़, देहरादून(उत्तराखण्ड)

Surface Water Quality Monitoring Report (In respect of Metals and Pesticides) June 2022

District- Chamoli

S.No.	Name of the Monitoring Point	Parameters													
		Arsenic(mg/l)	Nickel(mg/l)	Copper(mg/l)	Mercury(mg/l)	Chromium(mg/l)	Cadmium(mg/l)	Zinc(mg/l)	Lead(mg/l)	Iron(mg/l)	Aldrin(µg/l)	Dieldrin(µg/l)	Alpha Endosulphan(µg/l)	Chloropyriphos(µg/l)	Malathion(µg/l)
1	River Alaknanda B/C River Dhauli Ganga at Vishnuprayag	ND	ND	ND	ND	BDL	BDL	ND	ND	2.58	BDL	BDL	BDL	BDL	BDL
2	River Dhauli Ganga B/C River Alaknanda at Vishnuprayag	ND	ND	ND	ND	BDL	BDL	ND	ND	2.36	BDL	BDL	BDL	BDL	BDL
3	River Alaknanda A/C River Dhauli Ganga at Vishnuprayag	ND	ND	ND	ND	BDL	BDL	ND	ND	1.93	BDL	BDL	BDL	BDL	BDL
4	River Alaknanda B/C River Nandakini at Nandprayag	ND	ND	ND	ND	BDL	BDL	ND	ND	2.15	BDL	BDL	BDL	BDL	BDL
5	River Nandakini B/C River Alaknanda at Nandprayag	ND	ND	ND	ND	BDL	BDL	ND	ND	1.63	BDL	BDL	BDL	BDL	BDL
6	River Alaknanda A/C River Nandakini at Nandprayag	ND	ND	ND	ND	BDL	BDL	ND	ND	2.63	BDL	BDL	BDL	BDL	BDL
7	River Alaknanda B/C River Pindar at Karanprayag	ND	ND	ND	ND	BDL	BDL	ND	ND	2.11	BDL	BDL	BDL	BDL	BDL
8	River Pindar B/C River Alaknanda at Karanprayag	ND	ND	ND	ND	BDL	BDL	ND	ND	1.71	BDL	BDL	BDL	BDL	BDL
9	River Alaknanda A/C River Pindar at Karanprayag	ND	ND	ND	ND	BDL	BDL	ND	ND	2.82	BDL	BDL	BDL	BDL	BDL

District- Rudraprayag

S.No.	Name of the Monitoring Point	Arsenic(mg/l)	Nickel(mg/l)	Copper(mg/l)	Mercury(mg/l)	Chromium(mg/l)	Cadmium(mg/l)	Zinc(mg/l)	Lead(mg/l)	Iron(mg/l)	Aldrin(µg/l)	Dieldrin(µg/l)	Alpha Endosulphan(µg/l)	Chloropyriphos(µg/l)	Malathion(µg/l)
10	River Mandakini B/C River Alaknanda at Rudraprayag	ND	ND	ND	ND	BDL	BDL	ND	ND	0.96	BDL	BDL	BDL	BDL	BDL
11	River Alaknanda B/C River Mandakini at Rudraprayag	ND	ND	ND	ND	BDL	BDL	ND	ND	2.66	BDL	BDL	BDL	BDL	BDL
12	River Alaknanda A/C River Mandakini at Rudraprayag	ND	ND	ND	ND	0.06	BDL	ND	ND	3.11	BDL	BDL	BDL	BDL	BDL
13	River Mandakini D/S at Agustmuni, Rudraprayag	ND	ND	ND	ND	0.38	BDL	ND	ND	2.14	BDL	BDL	BDL	BDL	BDL

District- Uttarkashi

S.No.	Name of the Monitoring Point	Arsenic(mg/l)	Nickel(mg/l)	Copper(mg/l)	Mercury(mg/l)	Chromium(mg/l)	Cadmium(mg/l)	Zinc(mg/l)	Lead(mg/l)	Iron(mg/l)	Aldrin(µg/l)	Dieldrin(µg/l)	Alpha Endosulphan(µg/l)	Chloropyriphos(µg/l)	Malathion(µg/l)
14	River Bhagirathi U/S at Gangotri, Uttarkashi District	ND	ND	ND	ND	BDL	BDL	ND	ND	2.76	BDL	BDL	BDL	BDL	BDL

15	River Yamuna U/S at Yamunotri, Uttarkashi District	ND	ND	ND	ND	0.10	0.03	ND	ND	0.65	BDL	BDL	BDL	BDL	BDL
16	River Yamuna D/S at Sayana-Chatti , Uttarkashi District	ND	ND	ND	ND	BDL	BDL	ND	ND	1.30	BDL	BDL	BDL	BDL	BDL
17	River Bhagirathi D/S at Uttarkashi	ND	ND	ND	ND	BDL	BDL	ND	ND	8.76	BDL	BDL	BDL	BDL	BDL
18	River Yamuna at Barkot	ND	ND	ND	ND	0.09	BDL	ND	ND	0.38	BDL	BDL	BDL	BDL	BDL

District- Tehri Garhwal

S.No.	Name of the Monitoring Point	Arsenic(mg/l)	Nickel(mg/l)	Copper(mg/l)	Mercury(mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Zinc (mg/l)	Lead (mg/l)	Iron (mg/l)	Aldrin (µg/l)	Dieldrin(µg/l)	Alpha Endosulphan (µg/l)	Chloropyriphos (µg/l)	Malathion (µg/l)
19	River Alaknanda B/C River Bhagirathi at Devprayag	ND	ND	ND	ND	BDL	BDL	ND	ND	3.63	BDL	BDL	BDL	BDL	BDL
20	River Bhagirathi B/C River Alaknanda at Devprayag	ND	ND	ND	ND	BDL	BDL	ND	ND	1.69	BDL	BDL	BDL	BDL	BDL
21	River Alaknanda A/C River Bhagirathi (River Ganga D/S) at Devprayag	ND	ND	ND	ND	0.07	BDL	ND	ND	3.38	BDL	BDL	BDL	BDL	BDL
22	Tehri lake at Koti colony, Tehri	ND	ND	ND	ND	ND	BDL	ND	ND	2.96	BDL	BDL	BDL	BDL	BDL

District- Dehradun

S.No.	Name of the Monitoring Point	Arsenic(mg/l)	Nickel(mg/l)	Copper(mg/l)	Mercury(mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Zinc (mg/l)	Lead (mg/l)	Iron (mg/l)	Aldrin (µg/l)	Dieldrin(µg/l)	Alpha Endosulphan (µg/l)	Chloropyriphos (µg/l)	Malathion (µg/l)
23	River Ganga U/S at Lakshmanjhula, Rishikesh	ND	ND	ND	ND	0.29	BDL	ND	ND	4.82	0.06	BDL	BDL	BDL	BDL
24	River Ganga D/S Swargashram-1, Rishikesh	ND	ND	ND	ND	0.36	BDL	ND	ND	6.33	BDL	BDL	BDL	BDL	BDL
25	River Ganga D/S at Bairaaj, Rishikesh,	ND	ND	ND	ND	0.34	BDL	ND	ND	2.63	BDL	BDL	BDL	BDL	BDL
26	River Ganga D/S Lakkarghat O.P.,Dehradun	ND	ND	ND	ND	0.39	BDL	ND	ND	2.58	BDL	BDL	BDL	BDL	BDL
27	River Ganga A/C River Song (River Ganga D/S) at Raiwala	ND	ND	ND	ND	0.43	BDL	ND	ND	2.77	BDL	BDL	BDL	BDL	BDL
28	River Ganga A/C River Song (River Ganga D/S) Near Birla guest house, Dehradun	ND	ND	ND	ND	0.35	BDL	ND	ND	5.25	BDL	BDL	BDL	BDL	BDL
29	River Suswa D/S at Mathurawala, Dehradun	ND	ND	ND	ND	0.38	BDL	ND	ND	3.32	BDL	BDL	BDL	BDL	BDL

30	River Suswa U/S at Barafutta, Doiwala, Dehradun	River was dry.													
31	River Song D/S before confluence in to River Ganga Near Nepali Farm, Rishikesh	ND	ND	ND	ND	0.38	BDL	ND	ND	3.01	BDL	BDL	BDL	BDL	BDL
32	River Yamuna D/S at Vikash Nagar, Dehradun	ND	ND	ND	ND	ND	BDL	ND	ND	0.38	BDL	BDL	BDL	BDL	BDL
33	Yamuna Canal at Dakpathar, Dehradun	ND	ND	ND	ND	ND	BDL	ND	ND	1.17	BDL	BDL	BDL	BDL	BDL
34	River Yamuna at Dakpathar, Dehradun	ND	ND	ND	ND	BDL	BDL	ND	ND	1.11	0.10	BDL	BDL	BDL	BDL
35	River Yamuna at Lakhwar, Dehradun	ND	ND	ND	ND	BDL	BDL	ND	ND	0.86	BDL	BDL	BDL	BDL	BDL
36	River Yamuna at Kalsi, Dehradun	ND	ND	ND	ND	BDL	BDL	ND	ND	0.35	BDL	BDL	BDL	BDL	BDL
37	River Tons Before joining to River Yamuna at Dakpathar, Dehradun	ND	ND	ND	ND	BDL	BDL	ND	ND	1.01	BDL	BDL	BDL	BDL	BDL
38	River Tons at Selaqui, Dehradun	ND	ND	ND	ND	BDL	BDL	ND	ND	1.01	BDL	BDL	BDL	BDL	BDL
39	River Rispana U/S at Shikhar Fall, Dehradun	ND	ND	ND	ND	0.36	BDL	ND	ND	2.72	BDL	0.05	BDL	BDL	BDL
40	River Rispana D/S Near IT Park, Dehradun	River was dry.													
41	River Rispana B/C to River Bindal at Motherowala	ND	ND	ND	ND	0.34	BDL	ND	ND	2.91	BDL	BDL	BDL	BDL	BDL
42	River Bindal U/S at Bindal Bridge, Dehradun	ND	ND	ND	ND	0.36	BDL	ND	ND	2.69	BDL	BDL	BDL	BDL	BDL
43	River Bindal D/S Near Kargi Chowk, Dehradun	ND	ND	ND	ND	0.36	BDL	ND	ND	2.18	BDL	BDL	BDL	BDL	BDL
44	River Bindal B/C to River Rispana at Motherowala, Dehradun	ND	ND	ND	ND	0.37	BDL	ND	ND	3.13	BDL	BDL	BDL	BDL	BDL
45	Drain after STP at Swargaashram, Rishikesh	ND	ND	ND	ND	0.39	BDL	ND	ND	4.85	BDL	BDL	BDL	BDL	BDL
46	Drain after STP at Lakkarghat, Rishikesh	ND	ND	ND	ND	0.37	BDL	ND	ND	7.38	BDL	BDL	BDL	BDL	BDL
District- Haridwar															
S.No.	Name of the Monitoring Point	Arsenic (mg/l)	Nickel (mg/l)	Copper (mg/l)	Mercury (mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Zinc (mg/l)	Lead (mg/l)	Iron (mg/l)	Aldrin (µg/l)	Dieldrin (µg/l)	Alpha Endosulphan (µg/l)	Chloropyriphos (µg/l)	Malathion (µg/l)
47	River Ganga canal D/S at Har ki Pauri, Rishikul Bridge, Haridwar	ND	ND	ND	ND	ND	0.35	ND	ND	1.47	0.10	BDL	BDL	BDL	BDL
48	River Ganga at Har Ki Pouri, Haridwar	ND	ND	ND	ND	ND	0.33	ND	ND	0.77	BDL	BDL	BDL	BDL	BDL
49	River Ganga D/S at Bisanpur Kundi Village, Haridwar	ND	ND	ND	ND	ND	0.34	ND	ND	0.15	0.32	0.16	BDL	BDL	BDL
50	River Ganga Canal at Lal Ta Rao Bridge, Haridwar	ND	ND	ND	ND	ND	0.33	ND	ND	0.94	BDL	BDL	BDL	BDL	BDL

51	River Ganga Canal at Damkothi, Haridwar	ND	ND	ND	ND	ND	0.35	ND	ND	0.93	BDL	BDL	BDL	BDL	BDL
52	River Ganga U/S at Bindughat Dudhiyaban, Haridwar	ND	ND	ND	ND	ND	0.33	ND	ND	1.51	0.38	0.26	BDL	BDL	BDL
53	River Ganga D/S at Balkumari Mandir, Ajeetpur, Haridwar	ND	ND	ND	ND	ND	0.37	ND	ND	0.44	BDL	BDL	BDL	BDL	BDL
54	Upper Ganga Canal D/S at Roorkee	ND	ND	ND	ND	ND	0.38	ND	ND	0.10	BDL	BDL	BDL	BDL	BDL
55	River Banganga D/S at Laksar before entering U.P	ND	ND	ND	ND	ND	0.35	ND	ND	ND	BDL	BDL	BDL	BDL	BDL
56	River Ganga D/S at Sultanpur, Haridwar	ND	ND	ND	ND	0.07	BDL	ND	ND	0.52	ND	ND	ND	—	—
57	Drain after STP at Jagjeetpur, Haridwar	ND	ND	ND	ND	ND	0.36	ND	ND	ND	BDL	BDL	BDL	BDL	BDL

District- Pauri Garhwal

S.No.	Name of the Monitoring Point	Arsenic(mg/l)	Nickel(mg/l)	Copper(mg/l)	Mercury(mg/l)	Chromium(mg/l)	Cadmium(mg/l)	Zinc(mg/l)	Lead(mg/l)	Iron(mg/l)	Aldrin(µg/l)	Dieldrin(µg/l)	Alpha Endosulphan(µg/l)	Chloropyriphos(µg/l)	Malathion(µg/l)
58	River Nayar U/S at Satpuli	ND	ND	ND	ND	BDL	BDL	ND	ND	1.03	0.14	BDL	BDL	BDL	BDL
59	River Nayar D/S at Satpuli	ND	ND	ND	ND	BDL	BDL	ND	ND	0.92	0.06	BDL	BDL	BDL	BDL

District- Nainital

S.No.	Name of the Monitoring Point	Arsenic(mg/l)	Nickel(mg/l)	Copper(mg/l)	Mercury(mg/l)	Chromium(mg/l)	Cadmium(mg/l)	Zinc(mg/l)	Lead(mg/l)	Iron(mg/l)	Aldrin(µg/l)	Dieldrin(µg/l)	Alpha Endosulphan(µg/l)	Chloropyriphos(µg/l)	Malathion(µg/l)
60	Nainital Lake Water Intake, Nainital	ND	ND	ND	ND	0.44	BDL	ND	ND	0.52	BDL	0.06	BDL	BDL	BDL
61	Bheemtal Lake Water Intake, Nainital	ND	ND	ND	ND	ND	BDL	ND	ND	0.74	0.07	BDL	BDL	BDL	BDL
62	Gola River at Haldwani, Nainital	ND	ND	ND	ND	BDL	BDL	ND	ND	0.11	0.12	0.08	BDL	BDL	BDL
63	Sattal lake, Nainital	ND	ND	ND	ND	BDL	ND	ND	ND	0.41	BDL	BDL	BDL	BDL	BDL
64	Naukichyatal lake, Nainital	ND	ND	ND	ND	BDL	BDL	ND	ND	0.22	0.26	0.15	BDL	BDL	BDL
65	River Shipra D/S near Neem Karoli Dam, Bhawali, Nainital	ND	ND	ND	ND	BDL	BDL	ND	ND	0.74	0.18	0.14	BDL	BDL	BDL

District- Udham Singh Nagar

S.No.	Name of the Monitoring Point	Arsenic(mg/l)	Nickel(mg/l)	Copper(mg/l)	Mercury(mg/l)	Chromium(mg/l)	Cadmium(mg/l)	Zinc(mg/l)	Lead(mg/l)	Iron(mg/l)	Aldrin(µg/l)	Dieldrin(µg/l)	Alpha Endosulphan(µg/l)	Chloropyriphos(µg/l)	Malathion(µg/l)
66	Kosi River at Kashipur Bajpur Road Bridge, Kashipur	ND	ND	ND	ND	ND	0.32	ND	ND	0.16	BDL	BDL	BDL	BDL	BDL
67	Dhella River U/S at Kashipur Moradabad Road Bridge, US Nagar	River was dry.													
68	Dhella River D/S at Thakurdwara, Aliganj Road, US Nagar	ND	ND	ND	ND	ND	0.34	ND	ND	0.38	BDL	BDL	BDL	BDL	BDL
69	River Bhella U/S Kashipur, (U/S Ramnagar Road), US Nagar	River was dry.													

70	Bhella River at Lohia Bridge D/S Kashipur (D/S Lohiya Bridge), US Nagar	ND	ND	ND	ND	ND	0.33	ND	ND	0.29	0.30	0.18	BDL	BDL	BDL
71	Pilakhar River at Bilaspur, Rampur, US Nagar	BDL	BDL	0.036	BDL	BDL	BDL	0.22	BDL	0.69	BDL	BDL	BDL	BDL	BDL
72	Nanduar River U/S Sitarganj Industrial Area, (Nandour U/S Sitarganj), US Nagar	River was dry.													
73	Nanduar River D/S Sitarganj Industrial Area, (Nandour D/S Sitarganj), US Nagar	BDL	BDL	0.085	BDL	BDL	BDL	0.23	BDL	0.56	BDL	BDL	BDL	BDL	BDL
74	Kichha River at Kichha, (River Kichha (D/S Nagarbhalla, Kashipur), US Nagar	BDL	BDL	0.12	BDL	BDL	BDL	0.59	BDL	0.81	BDL	BDL	BDL	BDL	BDL
75	Kalyani River at U/S Pantnagar Industrial Area, US Nagar	BDL	BDL	BDL	BDL	BDL	BDL	0.36	BDL	0.49	BDL	BDL	BDL	BDL	BDL
76	Kalyani River at D/S Pantnagar Industrial Area, US Nagar	ND	ND	ND	ND	ND	0.30	ND	ND	0.47	0.24	BDL	BDL	BDL	BDL
77	River Kailash Downstream behind Sitarganj Industrial Area, US Nagar	ND	ND	ND	ND	ND	0.29	ND	ND	0.41	0.28	BDL	BDL	BDL	BDL

District- Almora

S.No.	Name of the Monitoring Point	Arsenic (mg/l)	Nickel (mg/l)	Copper (mg/l)	Mercury (mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Zinc (mg/l)	Lead (mg/l)	Iron (mg/l)	Aldrin (µg/l)	Dieldrin (µg/l)	Alpha Endosulphan (µg/l)	Chloropyriphos (µg/l)	Malathion (µg/l)
78	River Kosi D/S Almora, Ranikhet Road Bridge	ND	ND	ND	ND	BDL	BDL	ND	ND	0.17	BDL	BDL	BDL	BDL	BDL

District- Bageshwar

S.No.	Name of the Monitoring Point	Arsenic (mg/l)	Nickel (mg/l)	Copper (mg/l)	Mercury (mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Zinc (mg/l)	Lead (mg/l)	Iron (mg/l)	Aldrin (µg/l)	Dieldrin (µg/l)	Alpha Endosulphan (µg/l)	Chloropyriphos (µg/l)	Malathion (µg/l)
79	River Saryu D/S at Bageshwar	ND	ND	ND	ND	BDL	BDL	ND	ND	0.39	BDL	BDL	BDL	BDL	BDL
Lowest Detection Limit		0.01	0.10	0.03	0.001	0.06	0.02	0.01	0.10	0.06	0.05	0.05	0.05	0.50	0.50

Note: values are in mg/L and µg/L.

Abbreviations: BDL= Below Detection Limit
ND= Not Detected