

NWMP Ground Water Quality Data in Puducherry - Post Monsoon 2019

Sl. No	Parameters	Thengaithitu	Eachangadu	Uruvaiyar	Chevaliar school	Maruti school	Krishna nagar	Chetty koil	Katterikuppam	Kurumapet	Muthirapalayam	Mettupalayam	Sedarapet	Kothapurinatham	Bahour Borewell	Pondy University	Acceptable Limit	Permissible limit
1	Dt.of Sampling	07.01.2019	07.01.2019	07.01.2019	07.01.2019	07.01.2019	07.01.2019	07.01.2019	07.01.2019	07.01.2019	07.01.2019	07.01.2019	07.01.2019	07.01.2019	11.01.2019	11.01.2019		
2	Time	10.20 AM	11.50 AM	01.00PM	10.30 AM	11.15 AM	11.35 AM	12.00 PM	01.40 PM	02.10 PM	02.30 PM	02.40 PM	04.20 PM	05.30 PM	11.40 AM	12.45 PM		
3	Temperature °C	31	30	32	29	30	29	28	29	31	31	31	30	27	32	30		
4	pH	6.64	6.98	7.43	7.05	6.79	6.59	8.43	7.55	6.44	6.68	6.42	6.71	8.58	7.25	6.87	6.5 - 8.5	NR
5	Conductivity µmho/cm	1375	401	5640	1040	2500	400	2220	605	497	576	694	1447	1177	326	249		
6	COD (mg/l)	Nil	Nil	Nil	Nil	16.0	Nil	4.0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil		
7	BOD (mg/l)	BDL	BDL	BDL	BDL	5.7	BDL	1.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
8	Turbidity NTU	7.3	66.1	0	0	2.5	0	0	0	0	0	3.7	0	0	0	0	1	5
9	Nitrate -N (mg/l)	0.025	BDL	0.0314	11.8	1.36	9.6	0.1781	0.6057	2.913	4.29	0.727	2.68	4.88	BDL	2.075		
10	Nitrite-N (mg/l)	BDL	BDL	BDL	BDL	0.022	BDL	BDL	BDL	BDL	BDL	0.013	BDL	BDL	BDL	BDL		
11	Nitrate (mg/l)	0.112	BDL	0.139	44.0	6.032	42.509	0.376	2.682	12.9	18.996	3.162	11.867	21.609	BDL	9.189	45	NR

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12	Bi- Carbonate as CaCO ₃ (mg/l)	235	208	288	110	333	88	350	422	160	195	110	400	400	180	83	200	600
13	Carbonate (mg/l)	Nil	Nil	Nil	Nil	Nil	Nil	10	Nil	Nil	Nil	Nil	Nil	28	Nil	Nil		
14	Chloride (mg/l)	362	49	1714	249	656	61	528	35	74	84	82	192	121	25	51	250	1000
15	Total Hardness (mg/l)	340	144	926	256	410	110	460	312	166	172	184	576	388	94	126	200	600
16	Calcium hardness (mg/l)	240	94	520	154	284	100	240.0	166.0	110	130	138	460	244	62	80		
17	Magnesium hardness (mg/l)	100	50	406	102	126	10	220	146	56	42	46	116	144	32	46		
18	Calcium as Ca ⁺⁺ (mg/l)	96.0	37.6	208.0	61.6	113.6	40.0	96.0	66.4	44.0	52.0	55.2	184.0	97.6	24.8	32.0	75	200
19	Magnesium as Mg ⁺⁺ (mg/l)	24.3	12.2	98.7	24.8	30.6	2.4	53.5	35.5	13.6	10.2	11.2	28.2	35.0	7.8	11.2	30	100
20	TDS (mg/l)	946	245	4085	821	1600	352	1564	382	454	518	634	1215	979	280	210	500	2000
21	TSS (mg/l)	BDL	13	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
22	FDS /TFS (mg/l)	712	219	3120	563	1294	254	1163	207	264	419	410	1018	799	161	132		
23	Sodium (mg/l)	191.2	36.1	883.8	118.8	316.6	38.2	241.2	18.4	47.0	56.7	69.2	100.3	114	37.4	14.3		

[illegible]

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48	Atrazine µg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
49	Monochrotophos µg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
50	Ethion µg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
51	Phorate µg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
52	Copper mg/L	BDL	BDL	0.029	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.05	1.5
53	Nickel mg/L	0.083	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02	NR
54	Cadmium mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.003	NR
55	Lead mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.01	NR
56	Total Chromium mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.05	NR
57	Iron mg/L	0.47	1.44	0.18	BDL	0.18	0.03	0.13	BDL	BDL	BDL	0.11	BDL	BDL	BDL	BDL	0.3	NR
58	Zinc mg/L	BDL	0.137	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.051	BDL	0.181	BDL	BDL	5	15
59	Arsenic mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.01	0.05
60	Mercury mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.001	NR
61	Coliform MPN/100ml	300	AB	AB	280	350	AB	500	AB	AB	350	280	300	350	AB	AB		
62	Faecal Coliform MPN/100ml	AB	AB	AB	AB	280	AB	240	AB	AB	AB	AB	240	170	AB	AB		

NR - No Relaxation

AB - Absent

BDL - Below Detectable Limit