

List of Chemicals found in Ground water of Communities affected by Toxic Contamination

S. No	Name of Community	No. of Households as on Dec 2010	Name of Chemical	Reported by Agency & Year
1	Atal Ayub Nagar	358	1,2,3 Trichlorobenzene	Greenpeace Int, 1999 MPPCB, 2002-2003
			1,2,4 Dichlorobenzene	Greenpeace Int, 1999
			1,2 Dichlorobenzene	Greenpeace Int, 1999
			1,3-Dichlorobenzene	Greenpeace Int, 1999 MPPCB, 2005 CSE, 2009 & CPCB, 2009
			1,4, Dichlorobenzene	Greenpeace Int, 1999 MPPCB, 2002 CSE, 2009 & CPCB, 2009
			Alpha-HCH	MPPCB, 2005 CSE, 2009 CPCB, 2009
			Beta-HCH	IIT-Kanpur, 2002 & MPPCB, 2003 CSE, 2009 & CPCB, 2009
			Gamma-HCH (Lindane)	IIT-Kanpur, 2002 MPPCB 2003 & 2005 CSE, 2009 CPCB, 2009
			4,4-DDT	MPPCB 2003, 2005-06
			Aldrin	MPPCB, 2003
			Dieldrin	MPPCB, 2006
			Carbon Tetrachloride	Greenpeace Int, 1999
			Chloroform	Greenpeace Int, 1999 IIT Kanpur, 2002 CPCB, 2009
			Dichloromethan	IIT Kanpur, 2002
			Hexachloroethane	Greenpeace Int, 1999
			Chlorobenzene	Greenpeace Int, 1999 CPCB, 2009
			Tetrachloroethene	Greenpeace Int, 1999
			Trichloroethene	Greenpeace Int, 1999
			Heptachlor	MPPCB 2006
			Sevin	MPPCB 2006
			Methoxychlor	MPPCB 2006
			Carbaryl	CSE, 2009
			Napthelene	CPCB, 2009
			3,5, Trimethylbenzene	CPCB, 2009
			Chlorotoulene	CPCB, 2009
			Mercury	PSI-Dehradun, 2003
			Chemical Oxygen Demand	PHE Dept, Bhopal, 1991 & 96

2	New Arif Nagar	357	Alpha-HCH	MPPCB, 2005 CSE, 2009
			Beta-HCH	IIT-Kanpur, 2002 CSE, 2009
			Gamma-HCH (Lindane)	IIT-Kanpur, 2002 CSE, 2009
			Delta-HCH	CSE, 2009
			Chloroform	IIT Kanpur, 2002
			Aldrin	MPPCB, 2006
			Dieldrin	MPPCB, 2006
			Heptachlor	MPPCB, 2006
			Dichloromethan	IIT Kanpur, 2002
			Chemical Oxygen Demand	PHE Dept, Bhopal, 1991 & 1996
			1,3, Dichlorobenzene	CSE, 2009
			Hexachlorocyclohexan e (HCH)	CSE, 2009
			Carbaryl	CSE, 2009
			Aldicarb	CSE, 2009
			Mercury	PSI-Dehradoon, 2003
			Lead	CSE, 2009
			Cadmium	CSE, 2009
3	Annu Nagar	240	1,2,4 Trichlorobenzene	MPPCB, 2003
			Dichloromethane	IIT-Kanpur, 2002
			Alpha-HCH	MPPCB, 2005
			Beta-HCH	IIT-Kanpur, 2002 & MPPCB, 2003
			Gamma-HCH (Lindane)	IIT-Kanpur, 2002 MPPCB 2003 & 2005 CSE, 2009
			4,4-DDT	MPPCB 2003, 2005-06
			Aldrin	MPPCB, 2003
			Dieldrin	MPPCB, 2006
			Chloroform	IIT Kanpur, 2002
			Heptachlor	MPPCB 2006
			Sevin	MPPCB 2006
			Aldicarb	CSE, 2009
4	Shri Ram Nagar	98	No sampling carried out as its boundary is with Annu Nagar	
5	Chandbadi	175	Mercury	PSI-Dehradoon, 2003
6	Blue Moon Colony	287	1,2,3 Trichlorobenzene	MPPCB, 2003
			1,3, Dichlorobenzene	MPPCB, 2005 CSE, 2009

			1,4 Dichlorobenze	CSE, 2009
			1,2, Dichlorobenzene	CSE, 2009
			Dieldrin	MPPCB 2003 & 2006
			Aldrin	MPPCB 2003 & 2006
			4,4-DDT	MPPCB, 2003 & 2006
			Apha-BHC	MPPCB 2003
			Delta-BHC	CSE, 2009
			Gamma-BHC (Lindane)	CSE, 2009
			Carbaryl	CSE, 2009
7	Nawab Colony	417	Mercury	PSI-Dehradun, 2003
			1,3, Dichlorobenzene	CSE, 2009
			1,4, Dichlorobenzene	CSE, 2009
			Delta-HCH	CSE, 2009 CPCB 2009
			Gamma-HCH (Lindane)	CSE, 2009 CPCB, 2009
			Alpha-HCH	CPCB, 2009
			Manganese	CPCB, 2009
			Toluene	CPCB, 2009
			2,4, Trimethylbenzene	CPCB, 2009
			p-isopropyltoluene	CPCB, 2009
8	Sundar Nagar	101	Zinc	CPCB, 2009
			Manganese	CPCB, 2009
			Alpha-HCH	CSE 2009 CPCB, 2009
			Gamma-HCH (Lindane)	CSE, 2009 CPCB, 2009
			Beta-HCH	CSE, 2009
			Delta-HCH	CSE, 2009
			1,3 Dichlorobenzene	CSE, 2009
			1,4 Dichlorobenzene	CSE, 2009
9	Prem Nagar	581	1,3 Dichlorobenzene	CSE, 2009
			1,4 Dichlorobenzene	CSE, 2009
			1,2 Dichlorobenzene	CSE, 2009
			1,2,3 trichlorobenzene	CSE, 2009
			Alpha-HCH	CSE, 2009
			Beta-HCH	CSE, 2009
			Gamaa-HCH (Lindane)	CSE, 2009
			Delta-HCH	CSE, 2009
10	Gareeb Nagar	429	1,2,3 Trichlorobenzene	MPPCB 2002-2005 CSE, 2009
			1,3 Dichlorobenzene	CSE, 2009
			1,4 Dichlorobenzene	CSE, 2009
			1,2 Dichlorobenzene	CSE, 2009

			4,4-DDT	MPPCB, 2003 & 2005
			Alpha-HCH	MPPCB, 2003 & 2005 CSE, 2009 CPCB, 2009
			Beta-HCH	MPPCB, 2003 CSE, 2009 CPCB, 2009
			Gamma-HCH (Lindane)	MPPCB, 2003 & 2005 CSE, 2009 CPCB, 2009
			Delta-HCH	CSE, 2009
			Endrin	MPPCB, 2003
			Aldrin	MPPCB, 2003
			Dieldrin	MPPCB, 2003
			Mercury	PSI, 2003
			Zinc	CPCB, 2009
			Manganese	CPCB, 2009
			Toluene	CPCB, 2009
			Carbon Tetrachloride	CPCB, 2009
11	Preet Nagar	143	1,2,3 Trichlorobenzene	MPPCB, 2005
			1,3 Dichlorobenzene	MPPCB 2005
			1,4 Dichlorobenzene	MPCB 2005
			4,4-DDT	MPPCB, 2003 & 2006
			Aldrin	MPPCB, 2003 & 2005
			Dieldrin	MPPCB, 2003, 2005 & @006
			Endrin	MPPCB, 2005
			Alpha-BHC	MPPCB, 2003 & 2005
			Hepthachlor	MPPCB, 2006
			Gamma-HCH (Lindane)	MPPCB, 2005
			Metoxychlor	MPPCB, 2005
			Sevin	MPPCB, 2006
12	Shiv Shakti Nagar	308	No sampling carried out	
13	Timber Market	126	No sampling carried out	
14	Oriya basti	135	No sampling carried out	
15	Shankar Nagar	259	No sampling carried out	
16	Kalyan Nagar	1145	No sampling carried out	
17	Navjeevan Colony	1007	No sampling carried out	
18	Shiv Nagar	2050	1,3 Dichlorobenzene	CSE, 2009
			1,4 Dichlorobenzene	CSE, 2009
			1,2 Dichlorobenzene	CSE, 2009
			1,2,3Trichlorobenzene	CSE, 2009
			Hexochlorocyclohexane	CSE, 2009

			Alpha-HCH	CSE, 2009
			Beta-HCH	CSE, 2009
Greenpeace Int, 1999			Gama-HCH (Lindane)	CSE, 2009
			Delta-HCH	CSE, 2009
			Carbaryl	CSE, 2009
			Mercury	CSE, 2009
			1,2,4 Trimethylbenzene	CPCB, 2009
			1,3,5 Trimethylbenzene	CPCB, 2009
	TOTAL	8216		

CPCB : Central Pollution Control Board, New Delhi

CSE : Centre for Science and Environment

Greenpeace Int : Greenpeace International, Amsterdam

IIT-Kanpur : Indian Institute of Technology, Kanpur

MPPCB : Madhya Pradesh Pollution Control Board, Bhopal

PHED : Public Health Engineering Department, Govt. of Madhya Pradesh

PSI : Peoples Science Institute, Dehradun