

**List of Analytes from the 1989 National Sewage Sludge Survey
Found in Less than 1% of the Samples**

The following 254 analytes were found in less than 1% of the 240 samples collected from 184 publicly owned treatment works (POTWs) that were sampled in the 1989 National Sewage Sludge Survey (NSSS). Of these 254 analytes, 189 were never found, 37 were found in one sample, and 28 were found in two samples.

Analyte	CASRN	Found in 1989?
1-Bromo-2-chlorobenzene	694804	No
1-Bromo-3-chlorobenzene	108372	No
1-Chloro-3-nitrobenzene	121733	No
1-Methylfluorene	1730376	No
1-Naphthylamine	134327	No
1-Phenyl-naphthalene	605027	No
1,1-Dichloroethene	75354	No
1,1,1,2-Tetrachloroethane	630206	No
1,1,2-Trichloroethane	79005	No
1,2-Dibromo-3-chloropropane	96128	No
1,2-Dibromoethane	106934	No
1,2-Dichloroethane	107062	No
1,2-Diphenylhydrazine	122667	No
1,2,3-Trichloropropane	96184	No
1,2,3-Trimethoxybenzene	634366	No
1,2,4,5-Tetrachlorobenzene	95943	No
1,3-Dichloro-2-propanol	96231	No
1,3-Dichloropropane	142289	No
1,3,5-Trithiane	291214	No
1,4-Naphthoquinone	130154	No
1,5-Naphthalenediamine	2243621	No
2-Chloro-1,3-butadiene	126998	No
2-Chloroethylvinyl Ether	110758	No
2-Chlorophenol	95578	No
2-Isopropyl-naphthalene	2027170	No
2-Methyl-4,6-dinitro-phenol	534521	No
2-Methylbenzothiazole	120752	No
2-Nitroaniline	88744	No
2-Nitrophenol	88755	No
2-Phenyl-naphthalene	612942	No
2-Propenal	107028	No
2,3-Benzofluorene	243174	No

Analyte	CASRN	Found in 1989?
2,3-Dichloroaniline	608275	No
2,3-Dichloronitrobenzene	3209221	No
2,3,4,6-Tetrachlorophenol	58902	No
2,3,6-Trichlorophenol	933755	No
2,4-Diamino-toluene	95807	No
2,4-Dichlorophenol	120832	No
2,4-Dinitrophenol	51285	No
2,4-Dinitrotoluene	121142	No
2,4,5-Trichlorophenol	95954	No
2,4,6-Trichlorophenol	88062	No
2,6-Di-tert-butyl- <i>p</i> -benzoquinone	719222	No
2,6-Dichloro-4-nitroaniline	99309	No
2,6-Dichlorophenol	87650	No
3-Methylcholanthrene	56495	No
3-Nitroaniline	99092	No
3,3'-Dichlorobenzidine	91941	No
3,3'-Dimethoxybenzidine	119904	No
3,5-Dibromo-4-hydroxy-benzonitrile	1689845	No
4-Aminobiphenyl	92671	No
4-Bromophenyl Phenyl Ether	101553	No
4-Chloro-2-nitroaniline	89634	No
4-Chlorophenylphenyl Ether	7005723	No
4-Nitrobiphenyl	92933	No
4-Nitrophenol	100027	No
4,4'-Methylenebis(2-chloroaniline)	101144	No
4,5-Methylene Phenanthrene	203645	No
5-Chloro- <i>o</i> -toluidine	95794	No
5-Nitro- <i>o</i> -toluidine	99558	No
7,12-Dimethylbenz(a)anthracene	57976	No
Acenaphthylene	208968	No
Acrylonitrile	107131	No
Aniline	62533	No
Aramite	140578	No
Benanthrone	82053	No
Benzidine	92875	No
beta-Naphthylamine	91598	No
bis(2-Chloroethoxy)methane	111911	No
bis(2-Chloroethyl) Ether	111444	No

Analyte	CASRN	Found in 1989?
bis(2-Chloroisopropyl) Ether	108601	No
Bismuth	7440699	No
Bromodichloromethane	75274	No
Bromomethane	74839	No
Carbazole	86748	No
Cerium	7440451	No
Chloroacetonitrile	107142	No
Chlorofenvinphos	470906	No
cis-1,3-Dichloropropene	10061015	No
Coumaphos	56724	No
Crotoxyphos	7700176	No
Demeton	8065483	No
Di-N-propylnitrosamine	621647	No
Dibenzo(a,h)anthracene	53703	No
Dibromochloromethane	124481	No
Dibromomethane	74953	No
Dichlorvos	62737	No
Diethyl Phthalate	84662	No
Diethyl Ether	60297	No
Dioxathion	78342	No
Diphenyldisulfide	882337	No
Disulfoton	298044	No
Dysprosium	7429916	No
Erbium	7440520	No
Ethion	563122	No
Ethyl Methacrylate	97632	No
Ethyl Methanesulfonate	62500	No
Ethylenethiourea	96457	No
Europium	7440531	No
Famphur	52857	No
Fensulfothion	115902	No
Fenthion	55389	No
Fluorene	86737	No
Gadolinium	7440542	No
Gallium	7440553	No
Germanium	7440564	No
Gold	7440575	No
Hafnium	7440586	No

Analyte	CASRN	Found in 1989?
Hexachlorobenzene	118741	No
Hexachlorobutadiene	87683	No
Hexachlorocyclopentadiene	77474	No
Hexachloroethane	67721	No
Hexachloropropene	1888717	No
Holmium	7440600	No
Indeno(1,2,3-cd)pyrene	193395	No
Indium	7440746	No
Iodomethane	74884	No
Iridium	7439885	No
Isophorone	78591	No
Isosafrole	120581	No
Lanthanum	7439910	No
Lithium	7439932	No
Longifolene	475207	No
Lutetium	7439943	No
Malachite Green	569642	No
Malathion	121755	No
Mestranol	72333	No
Methapyrilene	91805	No
Methyl Methacrylate	80626	No
Methyl Methanesulfonate	66273	No
Methyl Parathion	298000	No
Monocrotophos	6923224	No
N-Nitrosodi-n-butylamine	924163	No
N-Nitrosodiethylamine	55185	No
N-Nitrosodimethylamine	62759	No
N-Nitrosomethylethylamine	10595956	No
N-Nitrosomethylphenylamine	614006	No
N-Nitrosomorpholine	59892	No
N-Nitrosopiperidine	100754	No
Neodymium	7440008	No
Niobium	7440031	No
N,N-Dimethylformamide	68122	No
o-Anisidine	90040	No
o-Toluidine	95534	No
Osmium	7440042	No
p-Dimethylaminoazobenzene	60117	No

Analyte	CASRN	Found in 1989?
p-Nitroaniline	100016	No
Palladium	7440053	No
Parathion	56382	No
Pentachlorobenzene	608935	No
Pentachloroethane	76017	No
Pentamethylbenzene	700129	No
Phenacetin	62442	No
Phenothiazine	92842	No
Phorate	298022	No
Phosmet	732116	No
Phosphoric Acid, Trimethyl Ester	512561	No
Phosphoric Triamide, Hexamethyl-	680319	No
Platinum	7440064	No
Praseodymium	7440100	No
Pronamide	23950585	No
Pyridine	110861	No
Resorcinol	108463	No
Rhenium	7440155	No
Rhodium	7440166	No
Ruthenium	7440188	No
Safrole	94597	No
Samarium	7440199	No
Scandium	7440202	No
Tantalum	7440257	No
Tellurium	13494809	No
Terbium	7440279	No
Terbufos	13071799	No
Tetrachlorvinphos	961115	No
Tetraethyldithiopyrophosphate	3689245	No
Thianaphthene	95158	No
Thioacetamide	62555	No
Thorium	7440291	No
Thulium	7440304	No
trans-1,3-Dichloropropene	10061026	No
trans-1,4-Dichloro-2-butene	110576	No
Tribromomethane	75252	No
Tripropyleneglycol Methyl Ether	20324338	No
Tungsten	7440337	No

Analyte	CASRN	Found in 1989?
Uranium	7440611	No
Vinyl Chloride	75014	No
Vinyl Acetate	108054	No
Ytterbium	7440644	No
Zirconium	7440677	No
1-Methylphenanthrene	832699	Once
1,1-Dichloroethane	75343	Once
1,1,2,2-Tetrachloroethane	79345	Once
1,2-Dichloropropane	78875	Once
1,4-Dinitrobenzene	100254	Once
2-(Methylthio)benzothiazole	615225	Once
2-Methyl- 2-propenenitrile	126987	Once
2,3-Dichloro-1,4-naphthoquinone	117806	Once
2,4-Dimethylphenol	105679	Once
2,4,5-Trimethyl-aniline	137177	Once
2,6-Dinitrotoluene	606202	Once
3,6-Dimethylphenanthrene	1576676	Once
Acenaphthene	83329	Once
Aroclor-1016	12674112	Once
Aroclor-1221	11104282	Once
Aroclor-1232	11141165	Once
Aroclor-1242	53469219	Once
Benzenethiol	108985	Once
Captafol	2425061	Once
Carbophenothion (Trithion)	786196	Once
Diazinon	333415	Once
Dibenzothiophene	132650	Once
Dimethyl Sulfone	67710	Once
Diphenylamine	122394	Once
Endosulfan Sulfate	1031078	Once
Endrin Ketone	53494705	Once
Endrin Aldehyde	7421934	Once
Ethyl Cyanide	107120	Once
Iodine	7553562	Once
Isodrin	465736	Once
Methoxychlor	72435	Once
Mirex	2385855	Once
Perylene	198550	Once

Analyte	CASRN	Found in 1989?
Potassium	7440097	Once
Thioxanthe-9-one	492228	Once
Toxaphene	8001352	Once
Triphenylene	217594	Once
1,2,3-Trichlorobenzene	87616	Twice
2-Propen-1-ol	107186	Twice
3-Chloropropene	107051	Twice
4-Chloro-3-methylphenol	59507	Twice
4,4'-DDD	72548	Twice
Acetophenone	98862	Twice
Anthracene	120127	Twice
Azinphos Methyl	86500	Twice
Azinphos Ethyl	2642719	Twice
Benzo(ghi)perylene	191242	Twice
Chlordane	57749	Twice
Chloroethane	75003	Twice
Chloromethane	74873	Twice
Ciodrin	7700176	Twice
Crotonaldehyde	4170303	Twice
Dicrotophos (Bidrin)	141662	Twice
Dimethyl Phthalate	131113	Twice
Heptachlor	76448	Twice
Mevinphos (Phosdrin)	7786347	Twice
N-Nitrosodiphenylamine	86306	Twice
Nitrobenzene	98953	Twice
Pentachlorophenol	87865	Twice
Phosphorus	7723140	Twice
Silicon	7440213	Twice
Squalene	7683649	Twice
Strontium	7440246	Twice
Sulfur	7704349	Twice
Trichlorofon	52686	Twice