

**General Pretreatment Permit for Significant Industrial User,
Dewatering, and Remediation Discharges**

Appendix G

Section 22a-430-4, RCSA — Appendix B (Tables II–V), Appendix C, and Appendix D with Additional Parameters

Purpose: The following tables are extracted from RCSA with additional parameters added.

Table II – Organic Toxic Substances in Each of Four Fractions in Analysis by Gas Chromatography/Mass Spectroscopy (GS/MS)					
Volatiles					
Name of Compound			CAS Number		
1	acrolein	107-02-8	15	1,2-dichloropropane	78-87-5
2	acrylonitrile	107-13-1	16	1,3-dichloropropylene	542-75-6
3	benzene	71-43-2	17	ethylbenzene	100-41-4
4	bromoform	75-25-2	18	methylbromide	74-83-9
5	carbon tetrachloride	56-23-5	19	methylchloride	74-87-3
6	chlorobenzene	108-90-7	20	methylene chloride	75-09-2
7	chlorodibromomethane	124-48-1	21	1,1,2,2-tetrachloroethane	79-34-5
8	chloroethane	75-00-3	22	tetrachloroethylene	127-18-4
9	2-chloroethylvinyl ether	110-75-8	23	toluene	108-88-3
10	chloroform	67-66-3	24	1,2-trans- dichloroethylene	156-60-5
11	dichlorobromomethane	75-27-4	25	1,1,1-trichloroethane	71-55-6
12	1,1-dichloroethane	75-34-3	26	1,1,2-trichloroethane	79-00-5
13	1,2-dichloroethane	107-06-2	27	trichloroethylene	79-01-6
14	1,1-dichloroethylene	75-35-4	28	vinyl chloride	75-01-4

Table II: Acid Compounds					
Name of Compound			CAS Number		
1	2-chlorophenol	95-57-8	7	4-nitrophenol	100-02-7
2	2,4-dichlorophenol	120-83-2	8	p-chloro-m-cresol	59-50-7
3	2,4-dimethylphenol	105-67-9	9	pentachlorophenol	87-86-5
4	4,6-dinitro-o-cresol	534-52-1	10	phenol	108-95-2
5	2,4-dinitrophenol	51-28-5	11	2,4,6-trichlorophenol	88-06-2
6	2-nitrophenol	88-75-5			

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Table II: Base/Neutral						
Name of Compound		CAS Number		Name of Compound		CAS Number
1	acenaphthene	83-32-9		24	diethyl phthalate	84-66-2
2	acenaphthylene	208-96-8		25	dimethyl phthalate	131-11-3
3	anthracene	120-12-7		26	di-n-butyl phthalate	84-74-2
4	benzidine	92-87-5		27	2,4-dinitrotoluene	121-14-2
5	benzo(a)anthracene	56-55-3		28	2,6-dinitrotoluene	606-20-2
6	benzo(a)pyrene	50-32-8		29	di-n-octyl phthalate	117-84-0
7	3,4-benzofluoranthene	205-99-2		30	1,2-diphenylhydrazine (as azobenzene)	103-33-3
8	benzo(ghi)perylene	191-24-2		31	fluroranthene	206-44-0
9	benzo(k)fluoranthene	207-08-9		32	fluorene	86-73-7
10	bis(2-chloroethoxy)methane	111-91-1		33	hexachlorobenzene	118-74-1
11	bis(2-chloroethyl)ether	111-44-4		34	hexachlorobutadiene	87-68-3
12	bis(2-chloroisopropyl)ether	108-60-1		35	hexachlorocyclopentadiene	77-47-4
13	bis(2-ethylhexyl)phthalate	117-81-7		36	hexachloroethane	67-72-1
14	4-bromophenylphenyl ether	101-55-3		37	indeno(1,2,3-cd)pyrene	193-39-5
15	butylbenzyl phthalate	85-68-7		38	isophorone	78-59-1
16	2-chloronaphthalene	91-58-7		39	napthalene	91-20-3
17	4-chlorophenyl phenyl ether	7005-72-3		40	nitrobenzene	98-95-3
18	chrysene	218-01-9		41	N-nitrosodimethylamine	62-75-9
19	dibenzo(a,H)anthracene	53-70-3		42	N-nitrosodi-n-propylamine	621-64-7
20	1,2-dichlorobenzene	95-50-1		43	N-nitrosodiphenylamine	86-30-6
21	1,3-dichlorobenzene	541-73-1		44	Phenanthrene	85-01-8
22	1,4-dichlorobenzene	106-46-7		45	Pyrene	129-00-0
23	3,3-dichlorobenzidine	91-94-1		46	1,24-trichlorobenzene	120-82-1

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Table II: Pesticides					
Name of Compound			Name of Compound		
		CAS Number			CAS Number
1	aldrin	309-00-2	14	Endrin	72-20-8
2	alpha-BHC	319-84-6	15	endrin aldehyde	7421-93-4
3	beta-BHC	319-85-7	16	Heptachlor	76-44-8
4	gamma-BHC	58-89-9	17	heptachlor epoxide	1024-57-3
5	delta-BHC	319-86-8	18	PCB-1242	53469-21-9
6	chlordan	57-74-9	19	PCB-1254	11097-69-1
7	4,4-DDT	50-29-5	20	PCB-1221	11104-28-2
8	4,4-DDE	72-55-9	21	PCB-1232	14975-23-6
9	4,4-DDD	1024-57-3	22	PCB-1248	12672-29-6
10	dieldrin	53469-21-9	23	PCB-1260	11096-82-5
11	alpha-endosulfan	11097-69-1	24	PCB-1016	12674-11-2
12	beta-endosulfan	11104-28-2	25	Toxaphene	8001-35-2
13	endosulfan sulfate	14975-23-6			

Table III: Other Toxic Substances: Metals, Cyanide, and Total Phenols					
Name of Compound			Name of Compound		
		CAS Number			CAS Number
1	Antimony, Total	7440-36-0	10	Nickel, Total	7440-02-0
2	Arsenic, Total	7440-38-2	11	Selenium, Total	7782-49-2
3	Beryllium, Total	7440-41-7	12	Silver, Total	7440-22-4
4	Cadmium, Total	7440-43-9	13	Thallium, Total	7440-28-0
5	Chromium, Total	7440-47-3	14	Zinc, Total	7440-66-6
6	Chromium, Hexavalent	18540-29-9	15	Cyanide, Total	57-12-5
7	Copper, Total	7440-50-8	16	Cyanide, Amenable	---
8	Lead, Total	7439-92-1	17	Phenols, Total	
9	Mercury, Total	7439-97-6			

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Table IV: Other Substances					
Name of Compound			Name of Compound		
CAS Number			CAS Number		
1	Bromide	24959-67-9	12	Surfactants	---
2	Chlorine, Total Residual	7782-50-5	13	Aluminum, Total	7429-90-5
3	Color	---	14	Barium, Total	7440-39-3
4	Fecal Coliform	---	15	Boron, Total	7440-42-8
5	Fluoride	16984-48-8	16	Cobalt, Total	7440-48-4
6	Nitrate-Nitrite	---	17	Iron, Total	7439-89-6
7	Nitrogen, Total Organic	---	18	Magnesium, Total	7439-95-4
8	Radioactivity	---	19	Molybdenum, Total	7439-98-7
9	Sulfate	14808-79-8	20	Manganese, Total	7439-96-5
10	Sulfide	18496-25-8	21	Tin, Total	7440-31-5
11	Sulfite	14265-45-3	22	Titanium, Total	7440-32-6

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Table V: Other Toxic Substances and Hazardous Substances								
Name of Compound			CAS Number		Name of Compound		CAS Number	
Toxic Substances								
1	Asbestos		132207-33-1					
Hazardous Substances								
1	Acetaldehyde		75-07-0			41	Isopropanolamine	78-96-6
2	Allyl alcohol		107-18-6			42	Kelthane	115-32-2
3	Allyl chloride		107-05-1			43	Kepone	143-50-0
4	Amyl acetate		628-63-7			44	Malathion	121-75-5
5	Aniline		62-53-3			45	Mercaptodimethur	2032-65-7
6	Benzonitrile		100-47-0			46	Methoxychlor	72-43-5
7	Benzyl chloride		100-44-7			47	Methyl mercaptan	74-93-1
8	Butly acetate		123-86-4			48	Methyl methacrylate	80-62-6
9	Butylamine		109-73-9			49	Methyl parathion	298-00-0
10	Captan		133-06-2			50	Mevinphos	7786-34-7
11	Carbaryl		63-25-2			51	Mexacarbate	315-18-4
12	Carbofuran		1563-66-2			52	Monoethyl amine	75-04-7
13	Carbon disulfide		75-15-0			53	Monomethyl amine	74-89-5
14	Chlorpyrifos		2921-88-2			54	Naled	300-76-5
15	Coumaphos		56-72-4			55	Napthenic acid	1338-24-5
16	Cresol		1319-77-3			56	Nitrotoluene	1321-12-6
17	Crotonaldehyde		4170-30-3			57	Parathion	56-38-2
18	Cyclohexane		110-82-7			58	Phenolsulfanate	--
19	2,4-Dichlorophenoxy acetic acid)		94-75-7			59	Phosgene	75-44-5
20	Diazinon		333-41-5			60	Propargite	2312-35-8
21	Dicamba		1918-00-9			61	Propylene oxide	75-56-9
22	Dichlobenil		1194-65-6			62	Pyrethrins	8003-34-7
23	Dichlone		117-80-6			63	Quinoline	91-22-5
24	2,2-Dichloro propionic acid		75-99-0			64	Resorcinol	108-46-3
25	Dichlorvos		62-73-7			65	Strontium	7440-24-6
26	Diethyl amine		109-89-7			66	Strychnine	57-24-9
27	Dimethyl amine		124-40-3			67	Styrene	100-42-5
28	Dintrobenzene		99-65-0			68	2,4,5-T (2,4,5 Trichloro-phenoxy acetic acid)	93-76-5

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29	Diquat	231-36-7	69	Tetrachlorodiphenylethane	72-54-8
30	Disulfoton	298-04-4	70	2,4,5-TP [2-(2,4,5- Trichlorophenoxy)]	93-72-1
31	Diuron	330-54-1	71	Trichlorofan	--
32	Epichlorohydrin	106-89-8	72	Triethylamine	121-44-8
33	Ethanolamine	141-43-5	73	Trimethylamine	75-50-3
34	Ethion	563-12-2	74	Uranium	7440-61-1
35	Ethylene diamine	107-15-3	75	Vanadium	7440-62-2
36	Ethylene dibromide	106-93-4	76	Vinyl acetate	108-05-4
37	Formaldehyde	50-00-0	77	Xylene	1330-20-7
38	Furfural	98-01-1	78	Xylenol	1300-71-6
39	Guthion	86-50-0	79	Zirconium	7440-67-7
40	Isoprene	78-79-5			

Appendix C and Other Parameters					
Name of Compound			Name of Compound		
		CAS Number			CAS Number
1	Chlorinated Volatiles	---	8	Propylene glycol	57-55-6 4254-16-4
2	Chlorinated Herbicides	---	9	Gold	7440-57-5
3	MTBE	1634-04-4	10	Ammonia	7664-41-7
4	Total Suspended Solids	---	11	Nitrate	14797-55-8
5	Biochemical Oxygen Demand (5-day)	---	12	Nitrite	14797-65-0
6	Chemical Oxygen Demand	---	13	Total Oil and Grease	---
7	Ethylene glycol	107-21-1	14	Phosphorus	7723-14-0

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Appendix D: Other Toxic Substances					
Name of Compound			Name of Compound		
CAS Number			CAS Number		
1	Acenaphthene	83-32-9	34	Endrin and metabolites	72-20-8
2	Acrolein	107-02-8	35	Ethylbenzene	100-41-4
3	Acrylonitrile	107-13-1	36	Fluoranthene	206-44-0
4	Aldrin/ Dieldrin	309-00-2/ 60-57-1	37	Haloethers (other than those listed elsewhere; includes chlorophenylphenyl ethers, includes chlorophenylphenyl ethers, bromophenylphenyl ether, bis(dischloroisopropyl) ether, bis-(chloroethoxy) methane and polychlorinated diphenyl ethers)	---
5	Antimony and compounds	7440-36-0	38	Halomethanes (other than those listed elsewhere; includes methylene chloride, methyl-chloride, methylbromide, bromoform, dichlorobromomethane, trichlorofluoromethane, dichlorodifluoromethane)	---
6	Arsenic and compounds	7440-38-2	39	Heptachlor and metabolites	76-44-8 ⁷
7	Asbestos	132207-33-1	40	Hexachlorobutadiene	87-68-3
8	Benzene	71-43-2	41	Hexachlorocyclohexane (all isomers)	--
9	Benzidine	92-87-5	42	Hexachlorocyclopentadiene	77-47-4
10	Beryllium and compounds	7440-41-7	43	Isophorone	78-59-1
11	Cadmium and compounds	7440-43-9	44	Lead and compounds	7439-92-1
12	Carbon tetrachloride	56-23-5	45	Mercury and compounds	7439-97-6

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13	Chlordane (technical mixture and metabolites)	12789-03-6	46	Naphthalene	91-20-3
14	Chlorinated benzenes (other than dichlorobenzenes)	N/A	47	Nickel and compounds	7440-02-0 ⁸
15	Chlorinated ethanes (including 1,2-dichloroethane, 1,1,1-trichloroethane, and hexachloroethane)	N/A	48	Nitrobenzene	98-95-3
16	Chloroalkyl ethers (chloromethyl, chloroethyl, and mixed ethers)	N/A	49	Nitrophenols (including 2,4-dinitrophenol, dinitrocresol)	--
17	Chlorinated naphthalene	--	50	Nitrosamines	35576-91-1
18	Chlorinated phenols (other than those listed elsewhere; includes trichlorophenols and chlorinated cresols)	1336-35-2	51	Pentachlorophenol	87-86-5
19	Chloroform	67-66-3	52	Phenol	108-95-2
20	2-chlorophenol	95-57-8	53	Phthalate esters	---
21	Chromium and compounds	7440-47-3	54	Polychlorinated biphenyls (PCBs)	---
22	Copper and compounds	7440-50-8	55	Polynuclear aromatic hydrocarbons (including benzantracenes, benzopyrenes, benzofluoranthene, chrysenes, dibenzanthracenes, and indenopyrenes)	---
23	Cyanides	57-12-5	56	Selenium and compounds	7782-49-2
24	DDT and metabolites	50-29-3	57	Silver and compounds	7440-22-4

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25	Dichlorobenzenes (1,2-1,3-, and 1,4-dichlorobenzenes)	25321-22-6	58	2,3,7,8 - Tetrachlorodibenzo-p-dioxin (TCDD)	---
26	Dichlorobenzidine	1331-47-1	59	Tetrachloroethylene	---
27	Dichloroethylenes (1,1-and 1,2-dichloroethylene)	540-59-0	60	Thallium and compounds	7440-28-0
28	2,4-dichlorophenol	120-83-2	61	Toluene	---
29	Dichloropropane/ Dichloropropene	26638-19-7/ 26952-23-8	62	Toxaphene	8001-35-2
30	2,4-dimethylphenol	105-67-9	63	Trichloroethylene	---
31	Dinitrotoluene	25321-14-6	64	Vinyl chloride	---
32	Diphenylhydrazine	38622-18-3	65	Zinc and compounds	7440-66-6
33	Endosulfan and metabolites	115-29-7			