

Nebraska Department of Environment and Energy Voluntary Cleanup Program Remedial Goals
TABLE A-1: GROUNDWATER AND SOIL REMEDIATION GOALS

Version Date: March 2021

CONTAMINANT	CAS No.	Direct Contact Exposure Pathways						Protection of Groundwater	
		Groundwater		Soil				Soil (DAF = 20)	
		Residential TCR=1E-06/ THQ=0.25 (µg/l)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)		Industrial TCR=1E-05/ THQ=1 (mg/kg)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)	
Acephate	30560-19-1	6.0E+00	nc	1.9E+01	nc	9.1E+02	nc	2.6E-02	nc
Acetaldehyde	75-07-0	2.6E+00	ca	1.1E+01	ca	3.4E+02	nc	1.0E-02	ca
Acetochlor	34256-82-1	8.8E+01	nc	3.2E+02	nc	1.5E+04	nc	1.4E+00	nc
Acetone	67-64-1	3.5E+03	nc	1.5E+04	nc	1.0E+05	max	1.4E+01	nc
Acetone cyanohydrin	75-86-5	--		1.0E+05	max	1.0E+05	max	--	
Acetonitrile	75-05-8	3.1E+01	nc	2.0E+02	nc	3.4E+03	nc	1.3E-01	nc
Acrolein	107-02-8	1.0E-02	nc	3.6E-02	nc	6.0E-01	nc	4.2E-05	nc
Acrylamide	79-06-1	5.0E-02	ca	2.4E-01	ca	4.3E+01	ca	2.1E-04	ca
Acrylic acid	79-10-7	5.2E-01	nc	2.5E+01	nc	4.2E+02	nc	2.1E-03	nc
Acrylonitrile	107-13-1	5.2E-02	ca	2.5E-01	ca	1.1E+01	ca	2.3E-04	ca
Alachlor	15972-60-8	2.0E+00	mcl	9.7E+00	ca	3.8E+02	ca	3.3E-02	mcl
Aldicarb	116-06-3	3.0E+00	mcl	1.6E+01	nc	7.6E+02	nc	1.5E-02	mcl
Aldicarb sulfone	1646-88-4	2.0E+00	mcl	1.6E+01	nc	7.6E+02	nc	8.8E-03	mcl
Aldrin	309-00-2	9.2E-04	ca	3.9E-02	ca	1.8E+00	ca	3.0E-03	ca
Allyl alcohol	107-18-6	5.2E-02	nc	8.8E-01	nc	1.5E+01	nc	2.1E-04	nc
Allyl chloride	107-05-1	5.2E-01	nc	4.1E-01	nc	6.9E+00	nc	3.3E-03	nc
Aluminum	7429-90-5	5.0E+01	mcl	1.9E+04	nc	1.0E+05	max	1.5E+03	mcl
Aluminum phosphide	20859-73-8	2.0E+00	nc	7.8E+00	nc	4.7E+02	nc	--	
Ametryn	834-12-8	3.8E+01	nc	1.4E+02	nc	6.8E+03	nc	8.0E-01	nc
m-Aminophenol	591-27-5	4.0E+02	nc	1.3E+03	nc	6.1E+04	nc	3.0E+00	nc
Amitraz	33089-61-1	2.0E+00	nc	4.0E+01	nc	1.9E+03	nc	2.1E+01	nc
Ammonia +++	7664-41-7	1.0E+04	NDEQ	1.0E+05	max	1.0E+05	max	4.0E+01	NDEQ
Ammonium sulfamate	7773-06-0	1.0E+03	nc	3.9E+03	nc	1.0E+05	max	--	
Aniline	62-53-3	1.3E+01	ca	9.5E+01	ca	3.7E+03	ca	9.1E-02	ca
Antimony and compounds	7440-36-0	6.0E+00	mcl	7.8E+00	nc	4.7E+02	nc	5.4E+00	mcl
Antimony pentoxide	1314-60-9	2.4E+00	nc	9.8E+00	nc	5.8E+02	nc	--	
Antimony potassium tartrate	28300-74-5	6.0E+00	mcl	1.8E+01	nc	1.1E+03	nc	--	
Antimony tetroxide	1332-81-6	1.9E+00	nc	7.8E+00	nc	4.7E+02	nc	--	
Antimony trioxide	1309-64-4	--		1.0E+05	max	1.0E+05	max	--	
Arsenic (inorganic) +++	7440-38-2	1.0E+01	mcl	4.6E-01	ca	2.2E+01	ca	--	
Arsine	7784-42-1	1.7E-02	nc	6.8E-02	nc	4.1E+00	nc	--	
Assure	76578-14-8	3.1E+01	nc	1.4E+02	nc	6.8E+03	nc	9.6E+00	nc
Asulam	3337-71-1	1.8E+02	nc	5.7E+02	nc	2.7E+04	nc	9.2E-01	nc
Atrazine	1912-24-9	3.0E+00	mcl	2.4E+00	ca	9.2E+01	ca	3.9E-02	mcl
Avermectin B1	65195-55-3	3.5E-01	s	6.3E+00	nc	3.0E+02	nc	7.0E+01	nc
Azobenzene	103-33-3	1.2E-01	ca	5.6E+00	ca	2.6E+02	ca	1.9E-02	ca

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		Groundwater		Soil				Soil (DAF = 20)	
		Residential TCR=1E-06/ THQ=0.25 (µg/l)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)		Industrial TCR=1E-05/ THQ=1 (mg/kg)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)	
Barium and compounds	7440-39-3	2.0E+03	mcl	3.9E+03	nc	1.0E+05	max	1.6E+03	mcl
Benfluralin (Benefin)	1861-40-1	7.1E+00	nc	9.8E+01	nc	5.8E+03	nc	4.7E+00	nc
Bensulfuron-methyl (Londax)	83055-99-6	9.9E+02	nc	3.2E+03	nc	1.0E+05	max	5.0E+00	nc
Bentazone (Bentazon)	25057-89-0	1.4E+02	nc	4.7E+02	nc	2.3E+04	nc	6.2E-01	nc
Benzaldehyde	100-52-7	1.9E+01	ca	1.7E+02	ca	8.2E+03	ca	8.3E-02	ca
Benzene	71-43-2	5.0E+00	mcl	1.2E+00	ca	5.1E+01	ca	5.1E-02	mcl
Benzidine	92-87-5	1.1E-04	ca	5.3E-04	ca	9.2E-02	ca	5.5E-06	ca
Benzoic acid	65-85-0	1.9E+04	nc	6.3E+04	nc	1.0E+05	max	7.6E+01	nc
Benzotrithloride	98-07-7	3.0E-03	ca	5.3E-02	ca	2.5E+00	ca	1.3E-04	ca
Benzyl alcohol	100-51-6	4.9E+02	nc	1.6E+03	nc	7.6E+04	nc	2.4E+00	nc
Benzyl chloride	100-44-7	8.9E-02	ca	1.1E+00	ca	4.8E+01	ca	2.0E-03	ca
Beryllium and compounds	7440-41-7	4.0E+00	mcl	3.9E+01	nc	2.3E+03	nc	6.3E+01	mcl
Biphenethrin (Talstar)	82657-04-3	1.0E+00	s	2.4E+02	nc	1.1E+04	nc	6.8E+03	nc
1,1-Biphenyl	92-52-4	2.1E-01	nc	1.2E+01	nc	2.0E+02	nc	4.4E-02	nc
Bis(2-chloroethyl)ether	111-44-4	1.4E-02	ca	2.3E-01	ca	1.0E+01	ca	7.2E-05	ca
Bis(chloromethyl)ether	542-88-1	7.2E-05	ca	8.3E-05	ca	3.6E-03	ca	3.4E-07	ca
Bis(2-chloro-1-methylethyl)ether	108-60-1	1.8E+02	nc	7.8E+02	nc	4.7E+04	nc	1.3E+00	nc
Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	6.0E+00	mcl	3.9E+01	ca	1.5E+03	ca	2.9E+01	mcl
Bisphenol A	80-05-7	1.9E+02	nc	7.9E+02	nc	3.8E+04	nc	2.9E+02	nc
Boron	7440-42-8	1.0E+03	nc	3.9E+03	nc	1.0E+05	max	6.4E+01	nc
Boron trifluoride	7637-07-2	6.6E+00	nc	7.8E+02	nc	4.7E+04	nc	--	
Bromate	15541-45-4	1.0E+01	mcl	9.9E-01	ca	4.7E+01	ca	1.5E+00	mcl
Bromobenzene	108-86-1	1.6E+01	nc	7.1E+01	nc	1.8E+03	nc	2.1E-01	nc
Bromodichloromethane	75-27-4	1.0E+02	mcl	2.9E-01	ca	1.3E+01	ca	5.4E-01	mcl
Bromoform (Tribromomethane)	75-25-2	1.0E+02	mcl	1.9E+01	ca	8.6E+02	ca	5.3E-01	mcl
Bromomethane	74-83-9	1.9E+00	nc	1.7E+00	nc	3.0E+01	nc	9.6E-03	nc
Bromophos	2104-96-3	8.9E+00	nc	9.8E+01	nc	5.8E+03	nc	7.5E-01	nc
Bromoxynil	1689-84-5	6.3E-01	ca	5.4E+00	ca	2.1E+02	ca	1.1E-02	ca
Bromoxynil octanoate	1689-99-2	2.5E-01	ca	7.0E+00	ca	3.3E+02	ca	4.4E-02	ca
1,3-Butadiene	106-99-0	1.8E-02	ca	5.8E-02	ca	2.6E+00	ca	2.0E-04	ca
1-Butanol	71-36-3	4.9E+02	nc	2.0E+03	nc	1.0E+05	max	2.0E+00	nc
Butylate	2008-41-5	1.1E+02	nc	9.8E+02	nc	5.8E+04	nc	2.2E+00	nc
Butyl benzyl phthalate	85-68-7	1.6E+01	ca	2.9E+02	ca	1.1E+04	ca	4.7E+00	ca
Butylphthalyl butylglycolate	85-70-1	3.4E+03	nc	1.6E+04	nc	1.0E+05	max	1.5E+03	nc
Cacodylic acid	75-60-5	1.0E+02	nc	3.2E+02	nc	1.5E+04	nc	5.7E-01	nc
Cadmium and compounds +++	7440-43-9	5.0E+00	mcl	1.8E+01	nc	9.5E+02	nc	7.5E+00	mcl
Camphechlor (Toxaphene)	8001-35-2	3.0E+00	mcl	4.9E-01	ca	1.9E+01	ca	9.3E+00	mcl

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Caprolactam	105-60-2	2.5E+03	nc	7.8E+03	nc	1.0E+05	max	1.2E+01	nc
Captafol	2425-06-1	4.0E-01	ca	3.6E+00	ca	1.4E+02	ca	1.4E-02	ca
Captan	133-06-2	3.1E+01	ca	2.4E+02	ca	9.2E+03	ca	4.4E-01	ca
Carbaryl	63-25-2	4.6E+02	nc	1.6E+03	nc	7.6E+04	nc	8.4E+00	nc
Carbofuran	1563-66-2	4.0E+01	mcl	7.9E+01	nc	3.8E+03	nc	3.1E-01	mcl
Carbon disulfide	75-15-0	2.0E+02	nc	1.9E+02	nc	3.5E+03	nc	1.2E+00	nc
Carbon tetrachloride	56-23-5	5.0E+00	mcl	6.5E-01	ca	2.9E+01	ca	3.9E-02	mcl
Carbosulfan	55285-14-8	2.2E+00	nc	1.6E+02	nc	7.6E+03	nc	1.1E+00	nc
Carboxin	5234-68-4	4.8E+02	nc	1.6E+03	nc	7.6E+04	nc	5.2E+00	nc
Chloramben	133-90-4	7.2E+01	nc	2.4E+02	nc	1.1E+04	nc	3.5E-01	nc
Chloranil	118-75-2	1.8E-01	ca	1.4E+00	ca	5.3E+01	ca	3.0E-03	ca
Chlordane	12789-03-6	2.0E+00	mcl	1.7E+00	ca	7.4E+01	ca	5.4E+00	mcl
Chlordecone (Kepone)	143-50-0	3.5E-03	ca	5.4E-02	ca	2.1E+00	ca	2.5E-03	ca
Chlorimuron-ethyl	90982-32-4	4.4E+02	nc	1.4E+03	nc	6.8E+04	nc	3.0E+00	nc
Chlorine	7782-50-5	7.8E-02	nc	4.8E-02	nc	8.0E-01	nc	7.7E-04	nc
Chlorine dioxide	10049-04-4	1.0E-01	nc	5.8E+02	nc	3.4E+04	nc	--	
Chloroacetic acid	79-11-8	6.0E+01	mcl	--		--		2.4E-01	mcl
2-Chloroacetophenone	532-27-4	--		1.6E+04	nc	1.0E+05	max	--	
4-Chloroaniline	106-47-8	3.7E-01	ca	2.7E+00	ca	1.1E+02	ca	3.1E-03	ca
Chlorobenzene	108-90-7	1.0E+02	mcl	6.9E+01	nc	1.3E+03	nc	1.4E+00	mcl
Chlorobenzilate	510-15-6	3.1E-01	ca	4.9E+00	ca	1.9E+02	ca	2.1E-02	ca
p-Chlorobenzoic acid	74-11-3	1.3E+02	nc	4.7E+02	nc	2.3E+04	nc	6.5E-01	nc
4-Chlorobenzotrifluoride	98-56-6	8.6E+00	nc	5.3E+01	nc	2.5E+03	nc	6.1E-01	nc
2-Chloro-1,3-butadiene	126-99-8	1.9E-02	ca	1.0E-02	ca	4.4E-01	ca	2.0E-04	ca
1-Chlorobutane	109-69-3	1.6E+02	nc	7.8E+02	nc	4.7E+04	nc	1.3E+00	nc
1-Chloro-1,1-difluoroethane	75-68-3	2.6E+04	nc	1.3E+04	nc	1.0E+05	max	2.6E+02	nc
Chlorodifluoromethane	75-45-6	2.6E+04	nc	1.2E+04	nc	1.0E+05	max	2.1E+02	nc
2-Chloroethyl 2-[4-(1,1-dimethylethyl)phenoxy]-1-methylethyl ester sulfurous acid (Aramite)	140-57-8	1.3E+00	ca	2.2E+01	ca	8.5E+02	ca	3.0E-01	ca
Chloroform	67-66-3	1.0E+02	mcl	3.2E-01	ca	1.4E+01	ca	5.5E-01	mcl
Chloromethane	74-87-3	4.7E+01	nc	2.8E+01	nc	4.6E+02	nc	2.4E-01	nc
4-Chloro-2-methylaniline hydrochloride	3165-93-3	1.7E-01	ca	1.2E+00	ca	4.6E+01	ca	3.1E-03	ca
beta-Chloronaphthalene	91-58-7	1.9E+02	nc	1.2E+03	nc	5.5E+04	nc	1.9E+01	nc
o-Chloronitrobenzene	88-73-3	2.4E-01	ca	1.8E+00	ca	7.1E+01	ca	4.4E-03	ca
p-Chloronitrobenzene	100-00-5	1.2E+00	ca	9.0E+00	ca	3.5E+02	ca	2.1E-02	ca
2-Chlorophenol	95-57-8	2.3E+01	nc	9.8E+01	nc	5.8E+03	nc	4.5E-01	nc
Chlorothalonil	1897-45-6	2.2E+01	ca	1.8E+02	ca	6.9E+03	ca	9.9E-01	ca
o-Chlorotoluene	95-49-8	5.9E+01	nc	3.9E+02	nc	2.3E+04	nc	1.2E+00	nc

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Chlorpropham	101-21-3	1.8E+02	nc	7.9E+02	nc	3.8E+04	nc	3.2E+00	nc
Chlorpyrifos	2921-88-2	2.1E+00	nc	1.6E+01	nc	7.6E+02	nc	6.2E-01	nc
Chlorpyrifos-methyl	5598-13-0	3.0E+01	nc	1.6E+02	nc	7.6E+03	nc	2.7E+00	nc
Chlorsulfuron	64902-72-3	2.5E+02	nc	7.9E+02	nc	3.8E+04	nc	4.2E+00	nc
Chlorthiophos	60238-56-4	7.1E-01	nc	1.3E+01	nc	6.1E+02	nc	3.6E-01	nc
Chromium, Total	7440-47-3	1.0E+02	mcl	--		--		1.0E+05	max
Chromium III *	16065-83-1	5.6E+03	nc	2.9E+04	nc	1.0E+05	max	1.0E+05	max
Chromium VI +++	18540-29-9	3.5E-02	ca	3.0E-01	ca	6.4E+01	ca	1.3E-02	ca
Clofentezine (Apollo)	74115-24-5	5.8E+01	nc	2.1E+02	nc	9.9E+03	nc	7.0E+01	nc
Cobalt	7440-48-4	1.5E+00	nc	5.9E+00	nc	3.5E+02	nc	1.4E+00	nc
Coke Oven Emissions	8007-45-2	3.3E-03	ca	3.3E+03	ca	1.0E+05	max	2.1E-03	ca
Copper and compounds	7440-50-8	1.3E+03	mcl	7.8E+02	nc	4.7E+04	nc	9.2E+02	mcl
Crotonaldehyde	123-73-9	--		--		1.7E+01	ca	--	
Cumene (Isopropylbenzene)	98-82-8	1.1E+02	nc	4.9E+02	nc	9.9E+03	nc	3.7E+00	nc
Cyanazine	21725-46-2	8.8E-02	ca	6.5E-01	ca	2.5E+01	ca	8.2E-04	ca
Cyanide (free)	57-12-5	2.0E+02	mcl	5.7E+00	nc	1.5E+02	nc	4.0E+01	mcl
Cyanide (hydrogen)	74-90-8	3.7E-01	nc	5.6E+00	nc	1.5E+02	nc	7.4E-02	nc
Cyanogen	460-19-5	5.0E+00	nc	2.0E+01	nc	1.2E+03	nc	--	
Cyanogen bromide	506-68-3	4.5E+02	nc	1.8E+03	nc	1.0E+05	max	--	
Cyanogen chloride	506-77-4	2.5E+02	nc	9.8E+02	nc	5.8E+04	nc	--	
Cyclohexane	110-82-7	3.1E+03	nc	1.6E+03	nc	2.7E+04	nc	6.5E+01	nc
Cyclohexanone	108-94-1	3.6E+02	nc	7.1E+03	nc	1.0E+05	max	1.7E+00	nc
Cyclohexylamine	108-91-8	9.6E+02	nc	3.9E+03	nc	1.0E+05	max	5.1E+00	nc
Cyfluthrin (Baythroid)	68359-37-5	3.0E+00	s	4.0E+02	nc	1.9E+04	nc	1.6E+02	nc
Cyhalothrin (Karate)	68085-85-8	5.0E+00	s	1.6E+01	nc	7.6E+02	nc	6.8E+01	nc
Cyromazine	66215-27-8	2.5E+03	nc	7.9E+03	nc	1.0E+05	max	1.3E+01	nc
Dacthal	1861-32-1	3.1E+01	nc	1.6E+02	nc	7.6E+03	nc	7.6E-01	nc
Dalapon	75-99-0	2.0E+02	mcl	4.7E+02	nc	2.3E+04	nc	8.3E-01	mcl
Daminozide (Alar)	1596-84-5	4.3E+00	ca	3.0E+01	ca	1.2E+03	ca	1.9E-02	ca
Demeton	8065-48-3	1.1E-01	nc	6.3E-01	nc	3.0E+01	nc	--	
Diallate	2303-16-4	5.4E-01	ca	8.9E+00	ca	3.5E+02	ca	1.6E-02	ca
Diazinon	333-41-5	2.6E+00	nc	1.1E+01	nc	5.3E+02	nc	3.2E-01	nc
Dibenzofuran	132-64-9	2.0E+00	nc	1.8E+01	nc	1.0E+03	nc	7.3E-01	nc
1,4-Dibromobenzene	106-37-6	3.3E+01	nc	2.0E+02	nc	1.2E+04	nc	6.2E-01	nc
Dibromochloromethane	124-48-1	1.0E+02	mcl	8.3E+00	ca	3.9E+02	ca	5.3E-01	mcl
1,2-Dibromo-3-chloropropane	96-12-8	2.0E-01	mcl	5.3E-03	ca	6.4E-01	ca	1.7E-03	mcl
1,2-Dibromoethane	106-93-4	5.0E-02	mcl	3.6E-02	ca	1.6E+00	ca	2.8E-04	mcl

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		Groundwater		Soil				Soil (DAF = 20)	
		Residential TCR=1E-06/ THQ=0.25 (µg/l)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)		Industrial TCR=1E-05/ THQ=1 (mg/kg)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)	
Dibutyl phthalate	84-74-2	2.3E+02	nc	1.6E+03	nc	7.6E+04	nc	1.1E+01	nc
Dicamba	1918-00-9	1.4E+02	nc	4.7E+02	nc	2.3E+04	nc	7.3E-01	nc
1,2-Dichlorobenzene	95-50-1	6.0E+02	mcl	4.5E+02	nc	9.3E+03	nc	1.2E+01	mcl
1,4-Dichlorobenzene	106-46-7	7.5E+01	mcl	2.6E+00	ca	1.1E+02	ca	1.4E+00	mcl
3,3-Dichlorobenzidine	91-94-1	1.3E-01	ca	1.2E+00	ca	4.7E+01	ca	1.6E-02	ca
4,4'-Dichlorobenzophenone	90-98-2	1.9E+01	nc	1.4E+02	nc	6.8E+03	nc	2.4E+00	nc
1,4-Dichloro-2-butene	764-41-0	1.3E-03	ca	2.1E-03	ca	9.4E-02	ca	1.3E-05	ca
Dichlorodifluoromethane	75-71-8	4.9E+01	nc	2.2E+01	nc	3.7E+02	nc	1.5E+00	nc
p,p'-Dichlorodiphenyldichloroethane (DDD)	72-54-8	1.6E-02	nc	4.7E-01	nc	2.3E+01	nc	7.5E-02	nc
p,p'-Dichlorodiphenyldichloroethylene (DDE)	72-55-9	4.6E-02	ca	2.0E+00	ca	9.3E+01	ca	2.2E-01	ca
p,p'-Dichlorodiphenyltrichloroethane (DDT)	50-29-3	2.3E-01	ca	1.9E+00	ca	8.3E+01	ca	1.5E+00	ca
1,1-Dichloroethane	75-34-3	2.8E+00	ca	3.6E+00	ca	1.6E+02	ca	1.6E-02	ca
1,2-Dichloroethane	107-06-2	5.0E+00	mcl	4.6E-01	ca	2.0E+01	ca	2.8E-02	mcl
1,1-Dichloroethylene	75-35-4	7.0E+00	mcl	5.7E+01	nc	1.0E+03	nc	5.0E-02	mcl
1,2-Dichloroethylene (cis)	156-59-2	7.0E+01	mcl	3.9E+01	nc	2.3E+03	nc	4.1E-01	mcl
1,2-Dichloroethylene (trans)	156-60-5	1.0E+02	mcl	3.9E+02	nc	2.3E+04	nc	6.3E-01	mcl
2,4-Dichlorophenol	120-83-2	1.1E+01	nc	4.7E+01	nc	2.3E+03	nc	1.1E-01	nc
2,4-Dichlorophenoxy acetic acid (2,4-D)	94-75-7	7.0E+01	mcl	1.7E+02	nc	9.2E+03	nc	3.6E-01	mcl
2,4-Dichlorophenoxy butyric acid (2,4-DB)	94-82-6	1.1E+02	nc	4.7E+02	nc	2.3E+04	nc	2.1E+00	nc
Decabromodiphenyl ether (BDE-209)	1163-19-5	1.0E-01	s	1.1E+02	nc	5.3E+03	nc	3.9E+02	nc
1,2-Dichloropropane	78-87-5	5.0E+00	mcl	2.5E+00	ca	6.6E+01	nc	3.3E-02	mcl
2,3-Dichloropropanol	616-23-9	1.5E+01	nc	4.7E+01	nc	2.3E+03	nc	6.3E-02	nc
1,3-Dichloropropene	542-75-6	4.7E-01	ca	1.8E+00	ca	8.2E+01	ca	3.4E-03	ca
Dichlorvos	62-73-7	2.6E-01	ca	1.9E+00	ca	7.3E+01	ca	1.6E-03	ca
Dicrotophos (Bidrin)	141-66-2	1.5E-01	nc	4.7E-01	nc	2.3E+01	nc	7.0E-04	nc
Dicyclopentadiene	77-73-6	1.6E-01	nc	3.2E-01	nc	5.4E+00	nc	1.1E-02	nc
Dieldrin	60-57-1	1.8E-03	ca	3.4E-02	ca	1.3E+00	ca	1.4E-03	ca
Diethylene glycol, monobutyl ether	112-34-5	1.5E+02	nc	4.7E+02	nc	2.2E+04	nc	6.6E-01	nc
Diethylene glycol, monoethyl ether	111-90-0	3.0E+02	nc	9.4E+02	nc	4.5E+04	nc	1.2E+00	nc
Diethylformamide	617-84-5	5.0E+00	nc	2.0E+01	nc	1.2E+03	nc	2.0E-02	nc
Di(2-ethylhexyl)adipate	103-23-1	4.0E+02	mcl	4.5E+02	ca	1.8E+04	ca	5.8E+02	mcl
Diethyl phthalate	84-66-2	3.7E+03	nc	1.3E+04	nc	1.0E+05	max	3.0E+01	nc
Diethylstilbestrol	56-53-1	5.1E-05	ca	1.6E-03	ca	6.1E-02	ca	5.6E-04	ca
Difenzoquat (Avenge)	43222-48-6	4.2E+02	nc	1.3E+03	nc	6.3E+04	nc	1.3E+03	nc
Diflubenzuron	35367-38-5	7.2E+01	nc	3.2E+02	nc	1.5E+04	nc	1.6E+00	nc
1,1-Difluoroethane	75-37-6	2.1E+04	nc	1.2E+04	nc	1.0E+05	max	1.4E+02	nc
Diisopropyl methylphosphonate (DIMP)	1445-75-6	4.0E+02	nc	1.6E+03	nc	9.3E+04	nc	2.3E+00	nc

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		Groundwater		Soil				Soil (DAF = 20)	
		Residential TCR=1E-06/ THQ=0.25 (µg/l)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)		Industrial TCR=1E-05/ THQ=1 (mg/kg)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)	
Dimethipin	55290-64-7	1.1E+02	nc	3.5E+02	nc	1.7E+04	nc	4.8E-01	nc
Dimethoate	60-51-5	1.1E+01	nc	3.5E+01	nc	1.7E+03	nc	4.9E-02	nc
3,3'-Dimethoxybenzidine	119-90-4	4.7E-02	ca	3.4E-01	ca	1.3E+01	ca	1.2E-02	ca
N-N-Dimethylaniline	121-69-7	2.5E+00	ca	2.6E+01	ca	1.2E+03	ca	1.8E-02	ca
2,4-Dimethylaniline	95-68-1	3.7E-01	ca	2.7E+00	ca	1.1E+02	ca	4.2E-03	ca
2,4-Dimethylaniline hydrochloride	21436-96-4	1.3E-01	ca	9.4E-01	ca	3.7E+01	ca	2.4E-03	ca
3,3'-Dimethylbenzidine	119-93-7	6.5E-03	ca	4.9E-02	ca	1.9E+00	ca	8.6E-04	ca
N,N-Dimethylformamide	68-12-2	1.5E+01	nc	6.6E+02	nc	1.5E+04	nc	6.1E-02	nc
2,4-Dimethylphenol	105-67-9	8.9E+01	nc	3.2E+02	nc	1.5E+04	nc	2.1E+00	nc
2,6-Dimethylphenol	576-26-1	2.6E+00	nc	9.5E+00	nc	4.6E+02	nc	6.3E-02	nc
3,4-Dimethylphenol	95-65-8	4.5E+00	nc	1.6E+01	nc	7.6E+02	nc	1.1E-01	nc
Dimethyl terephthalate	120-61-6	4.7E+02	nc	2.0E+03	nc	1.0E+05	max	2.4E+00	nc
4,6-Dinitro-o-cyclohexyl phenol	131-89-5	5.8E+00	nc	3.2E+01	nc	1.5E+03	nc	3.8E+00	nc
1,2-Dinitrobenzene	528-29-0	4.8E-01	nc	1.6E+00	nc	7.6E+01	nc	8.9E-03	nc
1,3-Dinitrobenzene	99-65-0	4.9E-01	nc	1.6E+00	nc	7.6E+01	nc	8.8E-03	nc
1,4-Dinitrobenzene	100-25-4	4.9E-01	nc	1.6E+00	nc	7.6E+01	nc	8.8E-03	nc
2,4-Dinitrophenol	51-28-5	9.7E+00	nc	3.2E+01	nc	1.5E+03	nc	2.2E-01	nc
Dinitrotoluene mixture	25321-14-6	1.0E-01	ca	1.2E+00	ca	4.7E+01	ca	2.9E-03	ca
2,4-Dinitrotoluene	121-14-2	2.4E-01	ca	1.7E+00	ca	6.8E+01	ca	6.4E-03	ca
2,6-Dinitrotoluene	606-20-2	4.9E-02	ca	3.6E-01	ca	1.4E+01	ca	1.3E-03	ca
Dinoseb	88-85-7	7.0E+00	mcl	1.6E+01	nc	7.6E+02	nc	1.2E+00	mcl
1,4-Dioxane	123-91-1	4.6E-01	ca	5.3E+00	ca	2.4E+02	ca	1.9E-03	ca
Diphenamid	957-51-7	1.3E+02	nc	4.7E+02	nc	2.3E+04	nc	2.6E+01	nc
Diphenylamine	122-39-4	3.1E+02	nc	1.6E+03	nc	7.6E+04	nc	1.2E+01	nc
N,N-Diphenyl-1,4 benzenediamine (DPPD)	74-31-7	9.0E-01	nc	4.7E+00	nc	2.3E+02	nc	1.9E+00	nc
1,2-Diphenylhydrazine	122-66-7	7.8E-02	ca	6.8E-01	ca	2.7E+01	ca	5.0E-03	ca
Diphenyl sulfone	127-63-9	3.7E+00	nc	1.3E+01	nc	6.1E+02	nc	1.8E-01	nc
Diquat dibromide (Diquat)	85-00-7	2.0E+01	mcl	3.5E+01	nc	1.7E+03	nc	7.5E+00	mcl
Direct black 38	1937-37-7	1.1E-02	ca	7.6E-02	ca	3.0E+00	ca	1.1E+02	ca
Direct blue 6	2602-46-2	1.1E-02	ca	7.3E-02	ca	2.9E+00	ca	3.3E+02	ca
Direct brown 95	16071-86-6	1.2E-02	ca	8.1E-02	ca	3.2E+00	ca	3.2E+00	ca
Disulfoton	298-04-4	1.3E-01	nc	6.3E-01	nc	3.0E+01	nc	4.7E-03	nc
1,4-Dithiane	505-29-3	5.0E+01	nc	2.0E+02	nc	1.2E+04	nc	4.9E-01	nc
Diuron	330-54-1	9.0E+00	nc	3.2E+01	nc	1.5E+03	nc	7.5E-02	nc
Dodine	2439-10-3	1.0E+02	nc	3.2E+02	nc	1.5E+04	nc	1.0E+01	nc
Endosulfan	115-29-7	2.5E+01	nc	1.2E+02	nc	7.0E+03	nc	6.9E+00	nc
Endothall	145-73-3	1.0E+02	mcl	3.2E+02	nc	1.5E+04	nc	4.8E-01	mcl

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		Groundwater		Soil				Soil (DAF = 20)	
		Residential TCR=1E-06/ THQ=0.25 (µg/l)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)		Industrial TCR=1E-05/ THQ=1 (mg/kg)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)	
Endrin	72-20-8	2.0E+00	mcl	4.7E+00	nc	2.3E+02	nc	1.6E+00	mcl
Enilconazole (Imazalil)	35554-44-0	9.0E-01	ca	8.9E+00	ca	3.5E+02	ca	3.1E-01	ca
Epichlorohydrin	106-89-8	5.1E-01	nc	4.7E+00	nc	8.2E+01	nc	2.3E-03	nc
1,2-Epoxybutane	106-88-7	1.0E+01	nc	4.0E+01	nc	6.7E+02	nc	4.6E-02	nc
S-Ethyl dipropylthiocarbamate (EPTC)	759-94-4	1.9E+02	nc	9.8E+02	nc	5.8E+04	nc	2.0E+00	nc
2-Chloroethyl phosphonic acid (Ethephon)	16672-87-0	2.5E+01	nc	7.9E+01	nc	3.8E+03	nc	1.1E-01	nc
Ethion	563-12-2	1.1E+00	nc	7.9E+00	nc	3.8E+02	nc	4.3E-02	nc
2-Ethoxyethanol	110-80-5	8.5E+01	nc	1.3E+03	nc	4.7E+04	nc	3.4E-01	nc
2-Ethoxyethanol acetate	111-15-9	2.9E+01	nc	6.4E+02	nc	1.4E+04	nc	1.2E-01	nc
Ethyl acetate	141-78-6	3.6E+01	nc	1.6E+02	nc	2.6E+03	nc	1.5E-01	nc
Ethyl acrylate	140-88-5	3.6E+00	nc	1.2E+01	nc	2.1E+02	nc	1.6E-02	nc
Ethylbenzene	100-41-4	7.0E+02	mcl	5.8E+00	ca	2.5E+02	ca	1.6E+01	mcl
Ethyl chloride (Chloroethane)	75-00-3	5.2E+03	nc	3.4E+03	nc	5.7E+04	nc	3.0E+01	nc
Ethylene cyanohydrin	109-78-4	3.5E+02	nc	1.1E+03	nc	5.3E+04	nc	1.4E+00	nc
Ethylene diamine	107-15-3	4.5E+02	nc	1.8E+03	nc	1.0E+05	max	2.1E+00	nc
Ethylene glycol	107-21-1	1.0E+04	nc	3.2E+04	nc	1.0E+05	max	4.0E+01	nc
Ethylene glycol, monobutyl ether	111-76-2	4.9E+02	nc	1.6E+03	nc	7.6E+04	nc	2.0E+00	nc
Ethylene oxide	75-21-8	6.7E-04	ca	2.0E-03	ca	2.5E-01	ca	2.8E-06	ca
Ethylene thiourea (ETU)	96-45-7	4.0E-01	nc	1.3E+00	nc	6.1E+01	nc	1.8E-03	nc
Ethyl ether	60-29-7	9.8E+02	nc	3.9E+03	nc	1.0E+05	max	4.4E+00	nc
Ethyl methacrylate	97-63-2	1.6E+02	nc	4.5E+02	nc	7.6E+03	nc	7.4E-01	nc
Ethyl p-nitrophenyl phenylphosphorothioate (EPN)	2104-64-5	2.2E-02	nc	1.6E-01	nc	7.6E+00	nc	1.4E-02	nc
Ethylphthalyl ethyl glycolate	84-72-0	1.4E+04	nc	4.7E+04	nc	1.0E+05	max	6.5E+02	nc
Fenamiphos	22224-92-6	1.1E+00	nc	4.0E+00	nc	1.9E+02	nc	2.2E-02	nc
Fenpropathrin (Danitol)	39515-41-8	1.6E+01	nc	4.0E+02	nc	1.9E+04	nc	1.4E+01	nc
Fenvalerate (Pydrin)	51630-58-1	2.4E+01	s	4.0E+02	nc	1.9E+04	nc	1.6E+03	nc
Fluometuron	2164-17-2	6.1E+01	nc	2.1E+02	nc	9.9E+03	nc	9.3E-01	nc
Fluoride	16984-48-8	4.0E+03	mcl	7.8E+02	nc	4.7E+04	nc	1.2E+04	mcl
Fluoridone	59756-60-4	3.6E+02	nc	1.3E+03	nc	6.1E+04	nc	8.2E+02	nc
Flurprimidol	56425-91-3	1.7E+02	nc	6.3E+02	nc	3.0E+04	nc	1.6E+01	nc
Flusilazole (NuStar)	85509-19-9	7.8E+00	nc	3.9E+01	nc	2.3E+03	nc	2.5E+01	nc
Flutolanil	66332-96-5	2.0E+03	nc	7.9E+03	nc	1.0E+05	max	2.1E+02	nc
Fluvalinate	69409-94-5	5.0E+00	s	1.6E+02	nc	7.6E+03	nc	1.5E+03	nc
Folpet	133-07-3	4.1E+02	nc	1.4E+03	nc	6.8E+04	nc	1.9E+00	nc
Fomesafen	72178-02-0	1.2E+01	nc	4.0E+01	nc	1.9E+03	nc	7.9E-01	nc
Fonofos	944-22-9	6.1E+00	nc	3.2E+01	nc	1.5E+03	nc	2.3E-01	nc
Formaldehyde	50-00-0	4.3E-01	ca	1.7E+01	ca	7.3E+02	ca	1.7E-03	ca

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Formic acid	64-18-6	1.6E-01	nc	7.3E+00	nc	1.2E+02	nc	6.3E-04	nc
Fosetyl-al	39148-24-8	1.3E+04	nc	4.0E+04	nc	1.0E+05	max	3.3E+03	nc
Furan	110-00-9	4.8E+00	nc	1.8E+01	nc	1.0E+03	nc	3.7E-02	nc
Furazolidone	67-45-8	2.0E-02	ca	1.4E-01	ca	5.6E+00	ca	7.8E-04	ca
Furfural	98-01-1	9.5E+00	nc	5.4E+01	nc	2.6E+03	nc	4.0E-02	nc
Furmecyclox	60568-05-0	1.1E+00	ca	1.8E+01	ca	7.1E+02	ca	2.4E-02	ca
Furothiazole (Furium)	531-82-8	5.1E-02	ca	3.6E-01	ca	1.4E+01	ca	1.4E-03	ca
Glufosinate-ammonium	77182-82-2	3.0E+01	nc	9.5E+01	nc	4.6E+03	nc	1.3E-01	nc
Glycidaldehyde	765-34-4	4.1E-01	nc	5.8E+00	nc	2.1E+02	nc	1.7E-03	nc
Glyphosate	1071-83-6	7.0E+02	mcl	1.6E+03	nc	7.6E+04	nc	6.2E+01	mcl
Haloxypop-methyl	69806-40-2	1.9E-01	nc	7.9E-01	nc	3.8E+01	nc	4.2E-02	nc
Thifensulfuron-methyl (Harmony)	79277-27-3	2.1E+02	nc	6.8E+02	nc	3.3E+04	nc	1.3E+00	nc
Heptachlor	76-44-8	4.0E-01	mcl	1.3E-01	ca	6.3E+00	ca	6.6E-01	mcl
Heptachlor epoxide	1024-57-3	2.0E-01	mcl	7.0E-02	ca	3.3E+00	ca	8.2E-02	mcl
Hexabromobenzene	87-82-1	1.6E-01	s	3.9E+01	nc	2.3E+03	nc	1.2E+00	nc
Hexachlorobenzene	118-74-1	1.0E+00	mcl	2.1E-01	ca	9.6E+00	ca	2.5E-01	mcl
Hexachlorobutadiene	87-68-3	1.4E-01	ca	1.2E+00	ca	5.3E+01	ca	5.3E-03	ca
alpha-Hexachlorocyclohexane (alpha-HCH)	319-84-6	7.2E-03	ca	8.6E-02	ca	3.4E+00	ca	8.4E-04	ca
beta-Hexachlorocyclohexane (beta-HCH)	319-85-7	2.5E-02	ca	3.0E-01	ca	1.2E+01	ca	2.9E-03	ca
gamma-Hexachlorocyclohexane (Lindane)	58-89-9	2.0E-01	mcl	5.7E-01	ca	2.4E+01	ca	2.3E-02	mcl
Hexachlorocyclohexane technical	608-73-1	2.5E-02	ca	3.0E-01	ca	1.2E+01	ca	2.9E-03	ca
Hexachlorocyclopentadiene	77-47-4	5.0E+01	mcl	4.4E-01	nc	7.5E+00	nc	3.1E+00	mcl
Hexachloroethane	67-72-1	3.3E-01	ca	1.8E+00	ca	8.0E+01	ca	4.0E-03	ca
Hexachlorophene	70-30-4	1.5E+00	nc	4.7E+00	nc	2.3E+02	nc	4.0E+01	nc
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX/Cyclonite)	121-82-4	7.0E-01	ca	6.1E+00	ca	2.8E+02	ca	5.3E-03	ca
1,6-Hexamethylene diisocyanate	822-06-0	5.2E-03	nc	7.8E-01	nc	1.3E+01	nc	1.0E-03	nc
n-Hexane	110-54-3	3.7E+02	nc	1.5E+02	nc	2.5E+03	nc	5.1E+01	nc
Hexazinone	51235-04-2	1.6E+02	nc	5.2E+02	nc	2.5E+04	nc	1.5E+00	nc
Hexythiazox (Savey)	78587-05-0	2.8E+01	nc	4.0E+02	nc	1.9E+04	nc	2.5E+00	nc
Hydramethylnon (Amdro)	67485-29-4	6.0E+00	s	2.7E+02	nc	1.3E+04	nc	1.0E+05	max
Hydrazine, hydrazine sulfate	302-01-2	1.1E-03	ca	2.3E-01	ca	1.1E+01	ca	--	
Hydrazine, dimethyl	57-14-7	1.0E-03	nc	1.4E-02	nc	2.4E-01	nc	4.7E-06	nc
Hydrogen chloride	7647-01-0	1.0E+01	nc	1.0E+05	max	1.0E+05	max	--	
Hydrogen sulfide	7783-06-4	1.0E+00	nc	1.0E+05	max	1.0E+05	max	--	
p-Hydroquinone	123-31-9	1.3E+00	ca	9.0E+00	ca	3.5E+02	ca	1.7E-02	ca
Imazaquin	81335-37-7	1.2E+03	nc	4.0E+03	nc	1.0E+05	max	1.2E+02	nc
Imazethapyr (Pursuit)	81335-77-5	1.2E+04	nc	4.0E+04	nc	1.0E+05	max	2.1E+02	nc

Nebraska Department of Environment and Energy Voluntary Cleanup Program Remedial Goals
TABLE A-1: GROUNDWATER AND SOIL REMEDIATION GOALS

CONTAMINANT	CAS No.	Direct Contact Exposure Pathways						Protection of Groundwater	
		Groundwater		Soil				Soil (DAF = 20)	
		Residential TCR=1E-06/ THQ=0.25 (µg/l)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)		Industrial TCR=1E-05/ THQ=1 (mg/kg)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)	
Iprodione	36734-19-7	1.8E+02	nc	6.3E+02	nc	3.0E+04	nc	1.1E+00	nc
Iron	7439-89-6	3.0E+02	mcl	1.4E+04	nc	1.0E+05	max	1.5E+02	mcl
Isobutanol (Isobutyl alcohol)	78-83-1	1.5E+03	nc	5.9E+03	nc	1.0E+05	max	6.1E+00	nc
Isophorone	78-59-1	7.8E+01	ca	5.7E+02	ca	2.2E+04	ca	5.2E-01	ca
Isopropalin	33820-53-0	1.0E+01	nc	2.9E+02	nc	1.8E+04	nc	4.6E+00	nc
Isopropyl methyl phosphonic acid	1832-54-8	5.0E+02	nc	1.6E+03	nc	7.6E+04	nc	2.1E+00	nc
Isoxaben	82558-50-7	1.8E+02	nc	7.9E+02	nc	3.8E+04	nc	1.0E+01	nc
Lactofen	77501-63-4	2.5E+01	nc	1.3E+02	nc	6.1E+03	nc	2.3E+01	nc
Lead +++	7439-92-1	1.5E+01	mcl	4.0E+02	nc	8.0E+02	nc	2.7E+02	mcl
Lead (tetraethyl)	78-00-2	3.3E-04	nc	2.0E-03	nc	1.2E-01	nc	2.3E-05	nc
Linuron	330-55-2	3.2E+01	nc	1.2E+02	nc	5.8E+03	nc	5.6E-01	nc
Lithium	7439-93-2	1.0E+01	nc	4.0E+02	nc	2.3E+03	nc	6.0E+01	nc
Malathion	121-75-5	9.7E+01	nc	3.2E+02	nc	1.5E+04	nc	5.1E-01	nc
Maleic anhydride	108-31-6	4.8E+02	nc	1.6E+03	nc	7.5E+04	nc	1.9E+00	nc
Maleic hydrazide	123-33-1	2.5E+03	nc	7.9E+03	nc	1.0E+05	max	1.0E+01	nc
Malononitrile	109-77-3	5.0E-01	nc	1.6E+00	nc	7.6E+01	nc	2.1E-03	nc
Mancozeb	8018-01-7	1.3E+02	nc	4.7E+02	nc	2.3E+04	nc	3.8E+00	nc
Maneb	12427-38-2	2.4E+01	nc	7.9E+01	nc	3.8E+03	nc	6.9E-01	nc
Manganese (non-food) +++	7439-96-5	5.0E+01	mcl	2.5E+03	nc	1.0E+05	max	6.5E+01	mcl
Mephosfolan	950-10-7	4.5E-01	nc	1.4E+00	nc	6.8E+01	nc	1.3E-02	nc
Mepiquat chloride (Mepiquat)	24307-26-4	1.5E+02	nc	4.7E+02	nc	2.3E+04	nc	1.0E+00	nc
Mercury and compounds	7487-94-7	2.0E+00	mcl	5.9E+00	nc	3.5E+02	nc	--	
Mercury (elemental)	7439-97-6	2.0E+00	mcl	2.7E+00	nc	4.6E+01	nc	2.1E+00	mcl
Mercury (methyl)	22967-92-6	4.9E-01	nc	2.0E+00	nc	1.2E+02	nc	--	
Merphos	150-50-5	1.5E-01	nc	5.9E-01	nc	3.5E+01	nc	3.0E-01	nc
Merphos oxide	78-48-8	7.1E-02	nc	1.6E+00	nc	7.6E+01	nc	7.0E-03	nc
Metalaxyl	57837-19-1	3.0E+02	nc	9.5E+02	nc	4.6E+04	nc	1.6E+00	nc
Methacrylonitrile	126-98-7	4.8E-01	nc	1.9E+00	nc	1.0E+02	nc	2.2E-03	nc
Methamidophos	10265-92-6	2.5E-01	nc	7.9E-01	nc	3.8E+01	nc	1.1E-03	nc
Methanol	67-56-1	5.1E+03	nc	3.1E+04	nc	1.0E+05	max	2.1E+01	nc
Methidathion	950-37-8	7.3E+00	nc	2.4E+01	nc	1.1E+03	nc	3.5E-02	nc
Methomyl	16752-77-5	1.2E+02	nc	4.0E+02	nc	1.9E+04	nc	5.5E-01	nc
Methoxychlor	72-43-5	4.0E+01	mcl	7.9E+01	nc	3.8E+03	nc	4.3E+01	mcl
2-Methoxyethanol	109-86-4	7.4E+00	nc	8.2E+01	nc	3.5E+03	nc	3.0E-02	nc
2-Methoxyethanol acetate	110-49-6	5.1E-01	nc	2.7E+01	nc	5.1E+02	nc	2.1E-03	nc
2-Methoxy-5-nitroaniline	99-59-2	1.5E+00	ca	1.1E+01	ca	4.3E+02	ca	1.1E-02	ca
Methyl acetate	79-20-9	5.0E+03	nc	2.0E+04	nc	1.0E+05	max	2.1E+01	nc

Nebraska Department of Environment and Energy Voluntary Cleanup Program Remedial Goals
TABLE A-1: GROUNDWATER AND SOIL REMEDIATION GOALS

CONTAMINANT	CAS No.	Direct Contact Exposure Pathways						Protection of Groundwater	
		Groundwater		Soil				Soil (DAF = 20)	
		Residential TCR=1E-06/ THQ=0.25 (µg/l)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)		Industrial TCR=1E-05/ THQ=1 (mg/kg)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)	
Methyl acrylate	96-33-3	1.0E+01	nc	3.6E+01	nc	6.1E+02	nc	4.4E-02	nc
2-Methylaniline hydrochloride	636-21-5	6.0E-01	ca	4.2E+00	ca	1.6E+02	ca	5.2E-03	ca
Methyl 1-(butylcarbamoyl)-2-benzimidazolecarbamate (Benomyl)	17804-35-2	2.4E+02	nc	7.9E+02	nc	3.8E+04	nc	4.2E+00	nc
2-Methyl-4-chlorophenoxyacetic acid (MCPA)	94-74-6	1.9E+00	nc	7.9E+00	nc	3.8E+02	nc	9.8E-03	nc
4-(2-Methyl-4-chlorophenoxy) butyric acid (MCPB)	94-81-5	1.6E+01	nc	7.0E+01	nc	3.3E+03	nc	1.3E-01	nc
2-(2-Methyl-4-chlorophenoxy) propionic acid (MCPB)	93-65-2	3.9E+00	nc	1.6E+01	nc	7.6E+02	nc	2.3E-02	nc
4,4'-Methylenebisbenzeneamine	101-77-9	4.7E-02	ca	3.4E-01	ca	1.3E+01	ca	4.2E-03	ca
4,4'-Methylene bis(2-chloroaniline)	101-14-4	1.6E-01	ca	1.2E+00	ca	2.1E+02	ca	3.7E-02	ca
4,4'-Methylene bis(N,N'-dimethyl)aniline	101-61-1	4.8E-01	ca	1.2E+01	ca	4.6E+02	ca	5.3E-02	ca
Methylene bromide	74-95-3	2.1E+00	nc	5.9E+00	nc	9.9E+01	nc	1.0E-02	nc
Methylene chloride	75-09-2	5.0E+00	mcl	5.7E+01	ca	3.2E+03	nc	2.6E-02	mcl
4,4'-Methylenediphenyl isocyanate	101-68-8	--		1.0E+05	max	1.0E+05	max	--	
2-(1-Methylethoxy)phenol methylcarbamate (Baygon)	114-26-1	2.0E+01	nc	6.3E+01	nc	3.0E+03	nc	1.3E-01	nc
Methyl ethyl ketone (2-Butanone)	78-93-3	1.4E+03	nc	6.8E+03	nc	1.0E+05	max	5.8E+00	nc
Methyl isobutyl ketone (4-Methyl-2-pentanone)	108-10-1	1.6E+03	nc	8.3E+03	nc	1.0E+05	max	7.1E+00	nc
Methyl methacrylate	80-62-6	3.5E+02	nc	1.1E+03	nc	1.9E+04	nc	1.5E+00	nc
2-Methyl-5-nitroaniline	99-55-8	8.2E+00	ca	6.0E+01	ca	2.4E+03	ca	9.1E-02	ca
Methyl parathion	298-00-0	1.1E+00	nc	4.0E+00	nc	1.9E+02	nc	3.7E-02	nc
2-Methylphenol	95-48-7	2.3E+02	nc	7.9E+02	nc	3.8E+04	nc	3.8E+00	nc
3-Methylphenol	108-39-4	2.3E+02	nc	7.9E+02	nc	3.8E+04	nc	3.7E+00	nc
4-Methylphenol	106-44-5	4.6E+02	nc	1.6E+03	nc	7.6E+04	nc	7.4E+00	nc
Methyl phosphonic acid	993-13-5	3.0E+02	nc	9.5E+02	nc	4.6E+04	nc	1.2E+00	nc
Methyl styrene (mixture)	25013-15-4	5.7E+00	nc	8.0E+01	nc	2.6E+03	nc	1.9E-01	nc
Methyl styrene (alpha)	98-83-9	1.9E+02	nc	1.4E+03	nc	8.2E+04	nc	6.2E+00	nc
Methyl tertbutyl ether (MTBE)	1634-04-4	1.4E+01	ca	4.7E+01	ca	2.1E+03	ca	6.4E-02	ca
Metolaclor (Dual)	51218-45-2	6.8E+02	nc	2.4E+03	nc	1.0E+05	max	1.6E+01	nc
Metribuzin	21087-64-9	1.2E+02	nc	4.0E+02	nc	1.9E+04	nc	7.5E-01	nc
Metsulfuron-methyl (Ally)	74223-64-6	1.2E+03	nc	4.0E+03	nc	1.0E+05	max	9.5E+00	nc
Mirex	2385-85-5	8.8E-04	ca	3.6E-02	ca	1.7E+00	ca	1.3E-02	ca
Molinate	2212-67-1	7.5E+00	nc	3.2E+01	nc	1.5E+03	nc	8.4E-02	nc
Molybdenum	7439-98-7	2.5E+01	nc	9.8E+01	nc	5.8E+03	nc	1.0E+01	nc
Monochloramine	10599-90-3	4.0E+03	mcl	2.0E+03	nc	1.0E+05	max	--	
Myclobutanil (Systhane)	88671-89-0	1.1E+02	nc	4.0E+02	nc	1.9E+04	nc	2.8E+01	nc
Naled	300-76-5	1.0E+01	nc	3.9E+01	nc	2.3E+03	nc	9.0E-02	nc
Napropamide	15299-99-7	4.9E+02	nc	1.9E+03	nc	9.1E+04	nc	6.5E+01	nc
Nickel and compounds	7440-02-0	9.8E+01	nc	3.9E+02	nc	2.3E+04	nc	1.3E+02	nc
Nickel refinery dust	7440-02-0-NRD	5.4E+01	nc	2.1E+02	nc	1.2E+04	nc	1.6E+02	nc

Nebraska Department of Environment and Energy Voluntary Cleanup Program Remedial Goals
TABLE A-1: GROUNDWATER AND SOIL REMEDIATION GOALS

CONTAMINANT	CAS No.	Direct Contact Exposure Pathways						Protection of Groundwater	
		Groundwater		Soil				Soil (DAF = 20)	
		Residential TCR=1E-06/ THQ=0.25 (µg/l)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)		Industrial TCR=1E-05/ THQ=1 (mg/kg)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)	
Nickel subsulfide	12035-72-2	4.5E-02	ca	4.1E-01	ca	1.9E+01	ca	--	
Nitrate	14797-55-8	1.0E+04	mcl	3.1E+04	nc	1.0E+05	max	--	
Nitrite	14797-65-0	1.0E+03	mcl	2.0E+03	nc	1.0E+05	max	--	
2-Nitroaniline	88-74-4	4.7E+01	nc	1.6E+02	nc	7.5E+03	nc	4.0E-01	nc
Nitrobenzene	98-95-3	1.4E-01	ca	5.1E+00	ca	2.2E+02	ca	1.8E-03	ca
Nitrofurantoin	67-20-9	3.5E+02	nc	1.1E+03	nc	5.3E+04	nc	3.0E+00	nc
Nitrofurazone	59-87-0	6.0E-02	ca	4.2E-01	ca	1.6E+01	ca	1.1E-03	ca
Nitroglycerin	55-63-0	4.9E-01	nc	1.6E+00	nc	7.6E+01	nc	4.2E-03	nc
Nitroguanidine	556-88-7	5.0E+02	nc	1.6E+03	nc	7.6E+04	nc	2.4E+00	nc
2-Nitropropane	79-46-9	2.1E-03	ca	1.4E-02	ca	6.0E-01	ca	1.1E-05	ca
N-Nitrosodi-n-butylamine	924-16-3	2.7E-03	ca	9.9E-02	ca	4.6E+00	ca	1.1E-04	ca
N-Nitrosodiethanolamine	1116-54-7	2.8E-02	ca	1.9E-01	ca	7.6E+00	ca	1.1E-04	ca
N-Nitrosodiethylamine	55-18-5	1.7E-04	ca	8.1E-04	ca	1.4E-01	ca	1.2E-06	ca
N-Nitrosodimethylamine	62-75-9	1.1E-04	ca	2.0E-03	ca	3.4E-01	ca	5.5E-07	ca
N-Nitrosodiphenylamine	86-30-6	1.2E+01	ca	1.1E+02	ca	4.3E+03	ca	1.3E+00	ca
N-Nitroso di-n-propylamine	621-64-7	1.1E-02	ca	7.8E-02	ca	3.0E+00	ca	1.6E-04	ca
N-Nitroso-N-methylethylamine	10595-95-6	7.1E-04	ca	2.0E-02	ca	9.1E-01	ca	4.1E-06	ca
N-Nitrosopyrrolidine	930-55-2	3.7E-02	ca	2.6E-01	ca	1.0E+01	ca	2.8E-04	ca
m-Nitrotoluene	99-08-1	4.4E-01	nc	1.6E+00	nc	7.6E+01	nc	8.1E-03	nc
o-Nitrotoluene	88-72-2	3.1E-01	ca	3.2E+00	ca	1.5E+02	ca	5.9E-03	ca
p-Nitrotoluene	99-99-0	4.3E+00	ca	3.4E+01	ca	1.3E+03	ca	7.9E-02	ca
Norflurazon	27314-13-2	7.2E+01	nc	2.4E+02	nc	1.1E+04	nc	9.3E+00	nc
Octabromodiphenyl ether	32536-52-0	1.1E-05	s	4.7E+01	nc	2.3E+03	nc	6.0E+01	nc
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0	2.5E+02	nc	9.6E+02	nc	5.7E+04	nc	6.3E+00	nc
Octamethylpyrophosphoramidate	152-16-9	1.0E+01	nc	3.2E+01	nc	1.5E+03	nc	4.8E-02	nc
Oryzalin	19044-88-3	7.9E+00	ca	7.0E+01	ca	2.7E+03	ca	2.9E-01	ca
Oxadiazon	19666-30-9	1.2E+01	nc	7.9E+01	nc	3.8E+03	nc	2.4E+00	nc
Oxamyl	23135-22-0	2.0E+02	mcl	4.0E+02	nc	1.9E+04	nc	8.8E-01	mcl
Oxyfluorfen	42874-03-3	5.4E-01	ca	7.4E+00	ca	2.9E+02	ca	8.6E-01	ca
Paclbutrazol	76738-62-0	5.7E+01	nc	2.1E+02	nc	9.9E+03	nc	2.3E+00	nc
Paraquat	4685-14-7	2.3E+01	nc	7.1E+01	nc	3.4E+03	nc	7.0E+00	nc
Parathion	56-38-2	2.1E+01	nc	9.5E+01	nc	4.6E+03	nc	2.2E+00	nc
Pebulate	1114-71-2	1.4E+02	nc	9.8E+02	nc	5.8E+04	nc	2.2E+00	nc
Pendimethalin	40487-42-1	3.4E+01	nc	4.7E+02	nc	2.3E+04	nc	7.8E+00	nc
Pentabromo-6-chloro cyclohexane	87-84-3	2.8E+00	ca	2.7E+01	ca	1.1E+03	ca	3.2E-01	ca
Pentabromodiphenyl ether	32534-81-9	2.4E+00	s	3.9E+01	nc	2.3E+03	nc	8.7E+00	nc
Pentachlorobenzene	608-93-5	7.9E-01	nc	1.6E+01	nc	9.3E+02	nc	1.2E-01	nc

Nebraska Department of Environment and Energy Voluntary Cleanup Program Remedial Goals
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CONTAMINANT	CAS No.	Direct Contact Exposure Pathways						Protection of Groundwater	
		Groundwater		Soil				Soil (DAF = 20)	
		Residential TCR=1E-06/ THQ=0.25 (µg/l)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)		Industrial TCR=1E-05/ THQ=1 (mg/kg)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)	
Pentachloronitrobenzene	82-68-8	1.2E-01	ca	2.7E+00	ca	1.3E+02	ca	3.0E-02	ca
Pentachlorophenol	87-86-5	1.0E+00	mcl	1.0E+00	ca	3.5E+01	ca	2.8E-02	mcl
Perchlorate	14797-73-0	1.5E+01	nc	1.4E+01	nc	8.2E+02	nc	--	
Perfluoroalkyl Compounds									
Perfluoro-octanesulfonate (PFOS) ^{^^}	1763-23-1	7.0E-02	hal	3.2E+00	nc	1.5E+02	nc	7.8E-04	mcl
Perfluorooctanoic acid (PFOA) ^{^^}	335-67-1	7.0E-02	hal	3.2E-01	nc	1.5E+01	nc	6.0E-04	mcl
Permethrin	52645-53-1	6.0E+00	s	7.9E+02	nc	3.8E+04	nc	1.2E+03	nc
Phenmedipham	13684-63-4	9.5E+02	nc	3.8E+03	nc	1.0E+05	max	1.0E+02	nc
Phenol	108-95-2	1.4E+03	nc	4.7E+03	nc	1.0E+05	max	1.7E+01	nc
m-Phenylenediamine	108-45-2	3.0E+01	nc	9.5E+01	nc	4.6E+03	nc	1.6E-01	nc
p-Phenylenediamine	106-50-3	5.0E+00	nc	1.6E+01	nc	7.6E+02	nc	2.7E-02	nc
Phenylmercuric acetate	62-38-4	4.0E-01	nc	1.3E+00	nc	6.1E+01	nc	2.5E-03	nc
2-Phenylphenol	90-43-7	3.1E+01	ca	2.9E+02	ca	1.1E+04	ca	8.3E+00	ca
Phorate	298-02-2	7.6E-01	nc	3.2E+00	nc	1.5E+02	nc	1.7E-02	nc
Phosmet	732-11-6	9.3E+01	nc	3.2E+02	nc	1.5E+04	nc	4.1E-01	nc
Phosphine	7803-51-2	1.4E-01	nc	5.9E+00	nc	3.5E+02	nc	--	
Phosphoric acid	7664-38-2	2.4E+05	nc	1.0E+05	max	1.0E+05	max	--	
Phosphorus (white)	7723-14-0	1.0E-01	nc	3.9E-01	nc	2.3E+01	nc	7.4E-03	nc
p-Phthalic acid	100-21-0	4.7E+03	nc	1.6E+04	nc	1.0E+05	max	3.4E+01	nc
Phthalic anhydride	85-44-9	9.7E+03	nc	3.2E+04	nc	1.0E+05	max	4.3E+01	nc
Picloram	1918-02-1	5.0E+02	mcl	1.1E+03	nc	5.3E+04	nc	2.8E+00	mcl
Pirimiphos-methyl	29232-93-7	2.1E-01	nc	1.1E+00	nc	5.3E+01	nc	4.0E-03	nc
Polybrominated biphenyls (PBBs)	59536-65-1	2.6E-03	ca	1.8E-02	ca	7.1E-01	ca	--	

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		Residential TCR=1E-06/ THQ=0.25 (µg/l)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)		Industrial TCR=1E-05/ THQ=1 (mg/kg)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)	
Polychlorinated biphenyls (PCBs)	1336-36-3	5.0E-01	mcl	2.3E-01	ca	8.6E+00	ca	1.6E+00	mcl
Aroclor 1016	12674-11-2	3.5E-01	nc	1.4E+00	nc	8.2E+01	nc	--	
Aroclor 1221	11104-28-2	4.7E-03	ca	2.0E-01	ca	7.7E+00	ca	1.6E-03	ca
Aroclor 1232	11141-16-5	4.7E-03	ca	1.7E-01	ca	6.7E+00	ca	1.6E-03	ca
Aroclor 1242	53469-21-9	7.9E-03	ca	2.3E-01	ca	8.7E+00	ca	2.5E-02	ca
Aroclor 1248	12672-29-6	7.9E-03	ca	2.3E-01	ca	8.7E+00	ca	2.4E-02	ca
Aroclor 1254	11097-69-1	7.9E-03	ca	2.4E-01	ca	8.9E+00	ca	4.1E-02	ca
Aroclor 1260	11096-82-5	7.9E-03	ca	2.4E-01	ca	9.0E+00	ca	1.1E-01	ca
Polynuclear aromatic hydrocarbons (PAHs)									
Acenaphthene	83-32-9	1.3E+02	nc	9.0E+02	nc	4.1E+04	nc	2.7E+01	nc
Anthracene	120-12-7	4.3E+01	s	4.5E+03	nc	1.0E+05	max	2.9E+02	nc
Benz[a]anthracene	56-55-3	3.0E-02	ca	1.1E+00	ca	1.9E+02	ca	2.1E-01	ca
Benzo[a]pyrene	50-32-8	2.0E-01	mcl	1.1E-01	ca	1.9E+01	ca	4.7E+00	mcl
Benzo[b]fluoranthene	205-99-2	2.5E-01	ca	1.1E+00	ca	1.9E+02	ca	6.0E+00	ca
Benzo[k]fluoranthene	207-08-9	8.0E-01	s	1.1E+01	ca	1.9E+03	ca	5.9E+01	ca
Chrysene	218-01-9	2.0E+00	s	1.1E+02	ca	1.9E+04	ca	1.8E+02	ca
Dibenz[ah]anthracene	53-70-3	2.5E-02	ca	1.1E-01	ca	1.9E+01	ca	1.9E+00	ca
Fluoranthene	206-44-0	2.0E+02	nc	6.0E+02	nc	2.7E+04	nc	4.5E+02	nc
Fluorene	86-73-7	7.4E+01	nc	6.0E+02	nc	2.7E+04	nc	2.7E+01	nc
Indeno[1,2,3-cd]pyrene	193-39-5	1.9E-01	s	1.1E+00	ca	1.9E+02	ca	2.0E+01	ca
Naphthalene	91-20-3	1.7E-01	ca	3.8E+00	ca	1.7E+02	ca	1.1E-02	ca
Pyrene	129-00-0	3.0E+01	nc	4.5E+02	nc	2.1E+04	nc	6.6E+01	nc
Prochloraz	67747-09-5	3.8E-01	ca	3.6E+00	ca	1.4E+02	ca	3.8E-02	ca
Profluralin	26399-36-0	6.5E+00	nc	1.2E+02	nc	7.0E+03	nc	8.0E+00	nc
Prometon	1610-18-0	6.3E+01	nc	2.4E+02	nc	1.1E+04	nc	6.0E-01	nc
Prometryn	7287-19-6	1.5E+02	nc	6.3E+02	nc	3.0E+04	nc	4.5E+00	nc
Propyzamide (Pronamide)	23950-58-5	2.9E+02	nc	1.2E+03	nc	5.7E+04	nc	6.0E+00	nc
Propachlor	1918-16-7	6.1E+01	nc	2.1E+02	nc	9.9E+03	nc	7.5E-01	nc
Propanil	709-98-8	2.0E+01	nc	7.9E+01	nc	3.8E+03	nc	2.3E-01	nc
Propargite	2312-35-8	1.6E-01	ca	2.9E+00	ca	1.1E+02	ca	2.3E-01	ca
Propargyl alcohol	107-19-7	1.0E+01	nc	3.9E+01	nc	2.3E+03	nc	4.1E-02	nc
Propazine	139-40-2	8.6E+01	nc	3.2E+02	nc	1.5E+04	nc	1.5E+00	nc
Propham	122-42-9	8.8E+01	nc	3.2E+02	nc	1.5E+04	nc	1.1E+00	nc
Propiconazole	60207-90-1	4.0E+02	nc	1.6E+03	nc	7.6E+04	nc	2.7E+01	nc
n-Propylbenzene	103-65-1	1.6E+02	nc	9.4E+02	nc	2.4E+04	nc	6.1E+00	nc
Propylene glycol	57-55-6	1.0E+05	nc	1.0E+05	max	1.0E+05	max	4.0E+02	nc
Propylene glycol, monoethyl ether	52125-53-8	8.0E+02	nc	1.0E+04	nc	1.0E+05	max	3.2E+01	nc

**Nebraska Department of Environment and Energy Voluntary Cleanup Program Remedial Goals
TABLE A-1: GROUNDWATER AND SOIL REMEDIATION GOALS**

CONTAMINANT	CAS No.	Direct Contact Exposure Pathways						Protection of Groundwater	
		Groundwater		Soil				Soil (DAF = 20)	
		Residential TCR=1E-06/ THQ=0.25 (µg/l)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)		Industrial TCR=1E-05/ THQ=1 (mg/kg)		Residential TCR=1E-06/ THQ=0.25 (mg/kg)	
Triphenylphosphine oxide	791-28-6	9.1E+01	nc	3.2E+02	nc	1.5E+04	nc	7.5E+00	nc
Tris(2-chloroethyl) phosphate	115-96-8	3.8E+00	ca	2.7E+01	ca	1.1E+03	ca	7.5E-02	ca
Uranium (chemical toxicity only)	7440-61-0	3.0E+01	mcl	3.9E+00	nc	2.3E+02	nc	2.7E+02	mcl
Vanadium and compounds +++	7440-62-2	2.1E+01	nc	9.8E+01	nc	5.8E+03	nc	4.3E+02	nc
Vernolate (Vernam)	1929-77-7	2.8E+00	nc	2.0E+01	nc	1.2E+03	nc	4.4E-02	nc
Vinclozolin	50471-44-8	5.3E+00	nc	1.9E+01	nc	9.1E+02	nc	8.1E-02	nc
Vinyl acetate	108-05-4	1.0E+02	nc	2.3E+02	nc	3.8E+03	nc	4.4E-01	nc
Vinyl bromide	593-60-2	1.8E-01	ca	1.2E-01	ca	5.2E+00	ca	1.0E-03	ca
Vinyl chloride +++	75-01-4	2.0E+00	mcl	1.1E-01	ca	1.7E+01	ca	1.4E-02	mcl
Warfarin	81-81-2	1.4E+00	nc	4.7E+00	nc	2.3E+02	nc	3.0E-02	nc
Xylenes	1330-20-7	1.0E+04	mcl	1.4E+02	nc	2.5E+03	nc	2.0E+02	mcl
Zinc	7440-66-6	5.0E+03	mcl	5.9E+03	nc	1.0E+05	max	6.2E+03	mcl
Zinc phosphide	1314-84-7	1.5E+00	nc	5.9E+00	nc	3.5E+02	nc	--	
Zineb	12122-67-7	2.5E+02	nc	7.9E+02	nc	3.8E+04	nc	1.4E+01	nc

Notes:

* At VCP sites where chromium is a potential contaminant of concern, such as a former metal plating facility, the VCP applicant should collect media samples for both chromium III and chromium VI analyses.

^^ If both PFOS and PFOA are present, the sum of the concentrations for these contaminants should not exceed 0.07 µg/L.

+++ See Section 5.4 of Appendix A, Protocol for VCP Remediation Goal Lookup Tables, Nebraska Voluntary Cleanup Program for more information.

-- = Not available/not applicable

µg/L = Micrograms per liter

ca = cancer

CAS No. = Chemical Abstract Service Number

DAF = Dilution attenuation factor

hal = health advisory limit

max = maximum (saturation value)

mcl = Maximum Contaminant Level

nc = noncancer

NDEQ = Nebraska Department of Environmental Quality policy value