

Table 7
List of Soil Screening Levels (SSLs) Based on the Soil to Groundwater Pathway for Site-Related Chemicals
Phase B Source Area Investigation Work Plan - Area III
Tronox Facility - Henderson, Nevada
Page 1 of 5

Analyte	CAS No.	SSLs (a)	
		DAF = 1	DAF = 20
		mg/kg	mg/kg
Metals			
Aluminum	7429-90-5	na	na
Antimony	7440-36-0	3.00E-01	6.00E+00
Arsenic	7440-38-2	na	na
Barium	7440-39-3	8.20E+01	1.64E+03
Beryllium	7440-41-7	3.00E+00	6.00E+01
Boron	7440-42-8	na	na
Cadmium	7440-43-9	4.00E-01	8.00E+00
Calcium	7440-70-2	na	na
Chromium (total)	7440-47-3	2.00E+00	4.00E+01
Chromium (hexavalent)	18540-29-9	2.00E+00	4.00E+01
Cobalt	7440-48-4	na	na
Copper	7440-50-8	na	na
Iron	7439-89-6	na	na
Lead	7439-92-1	na	na
Magnesium	7439-95-4	na	na
Manganese	7439-95-4	na	na
Mercury	7439-97-6	1.00E-01	2.00E+00
Molybdenum	7439-98-7	na	na
Nickel	7440-02-0	7.00E+00	1.40E+02
Platinum	7440-06-4	na	na
Potassium	7440-09-7	na	na
Selenium	7782-49-2	3.00E-01	6.00E+00
Silver	7440-22-4	2.00E+00	4.00E+01
Sodium	7440-23-5	na	na
Strontium	7440-24-6	na	na
Tin	7440-31-5	na	na
Titanium	7440-32-6	na	na
Thallium	7440-28-0	na	na
Tungsten	7440-33-7	na	na
Uranium	7440-61-1	na	na
Vanadium	7440-62-2	3.00E+02	6.00E+03
Zinc	7440-66-6	6.20E+02	1.24E+04
Wet Chem Analytes			
Alkalinity (total, CO ₃ ²⁻ , HCO ₃ ⁻)	na	na	na
Ammonia	7664-41-7	na	na
Bromide	24959-67-9	na	na
Chlorate	7790-93-4	na	na
Chloride	16887-00-6	na	na
Conductivity	na	na	na
Cyanide (total)	57-12-5	2.00E+00	4.00E+01
Nitrate	7697-37-2	na	na
Nitrite	14797-65-0	na	na
Perchlorate	14797-73-0	na	na
pH	na	na	na
Phosphate (total)	14265-44-2	na	na
Sulfate	14808-79-8	na	na
Surfactants (MBAS)	na	na	na
TDS	na	na	na
Total Organic Carbon	7440-44-0	na	na
TSS	na	na	na

Table 7
List of Soil Screening Levels (SSLs) Based on the Soil to Groundwater Pathway for Site-Related Chemicals
Phase B Source Area Investigation Work Plan - Area III
Tronox Facility - Henderson, Nevada
Page 2 of 5

		DAF = 1	DAF = 20
		mg/kg	mg/kg
TPH			
GRO(C6-C10)	na	na	na
DRO(C10-C28)	na	na	na
ORO (C28-C40)	na	na	na
Organochlorine Pesticides			
4,4'-DDD	72-54-8	8.00E-01	1.60E+01
4,4'-DDE	72-55-9	3.00E+00	6.00E+01
4,4'-DDT	50-29-3	2.00E+00	4.00E+01
Aldrin	309-00-2	2.00E-02	4.00E-01
alpha-BHC	319-84-6	3.00E-05	6.00E-04
alpha-Chlordane	5103-71-9	na	na
beta-BHC	319-85-7	1.00E-04	2.00E-03
Chlordane, technical	57-74-9	5.00E-01	1.00E+01
delta-BHC	319-86-8	na	na
Dieldrin	60-57-1	2.00E-04	4.00E-03
Endosulfan I	959-98-8	na	na
Endosulfan II	33213-65-9	na	na
Endosulfan sulfate	1031-07-8	na	na
Endrin	72-20-8	5.00E-02	1.00E+00
Endrin aldehyde	7421-93-4	na	na
Endrin Ketone	53494-70-5	na	na
gamma-BHC (Lindane)	58-89-9	5.00E-04	1.00E-02
gamma-Chlordane	5103-74-2	na	na
Heptachlor	76-44-8	1.00E+00	2.00E+01
Heptachlor epoxide	1024-57-3	3.00E-02	6.00E-01
Hexachlorobenzene	118-74-1	1.00E-01	2.00E+00
Methoxychlor	72-43-5	8.00E+00	1.60E+02
Toxaphene	8001-35-2	2.00E+00	4.00E+01
PCBs as Aroclors			
Aroclor 1016	12674-11-2	na	na
Aroclor 1221	11104-28-2	na	na
Aroclor 1232	11141-16-5	na	na
Aroclor 1242	53469-21-9	na	na
Aroclor 1248	12672-29-6	na	na
Aroclor 1254	11097-69-1	na	na
Aroclor 1260	11096-82-5	na	na
Dioxins & Furans			
1,2,3,4,6,7,8,9-Ocatchlorodibenzofuran	39001-02-0	na	na
1,2,3,4,6,7,8,9-Ocatchlorodibenzo-p-dioxin	3268-87-9	na	na
1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	na	na
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	na	na
1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	na	na
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	na	na
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	na	na
1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	na	na
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	na	na
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	na	na
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	na	na
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	na	na
1,2,3,7,8-Pentachlorodibenzof-p-dioxin	40321-76-4	na	na
2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	na	na
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	na	na
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	na	na

Table 7
List of Soil Screening Levels (SSLs) Based on the Soil to Groundwater Pathway for Site-Related Chemicals
Phase B Source Area Investigation Work Plan - Area III
Tronox Facility - Henderson, Nevada
Page 3 of 5

		DAF = 1	DAF = 20
		mg/kg	mg/kg
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	na	na
Radionuclides			
Radium 226	13982-63-3	na	na
Radium 228	15262-20-1	na	na
Thorium 228	14274-82-9	na	na
Thorium 230	14269-63-7	na	na
Thorium 232	7440-29-1	na	na
Uranium 234	13966-29-5	na	na
Uranium 235	15117-96-1	na	na
Uranium 238	7440-61-1	na	na
VOCs			
1,1,1,2-Tetrachloroethane	630-20-6	na	na
1,1,1-Trichloroethane	71-55-6	1.00E-01	2.00E+00
1,1,2,2-Tetrachloroethane	79-34-5	2.00E-04	4.00E-03
1,1,2-Trichloroethane	79-00-5	9.00E-04	1.80E-02
1,1-Dichloroethane	75-34-3	1.00E+00	2.00E+01
1,1-Dichloroethene	75-35-4	3.00E-03	6.00E-02
1,1-Dichloropropene	563-58-6	na	na
1,2,3-Trichlorobenzene	120-82-1	3.00E-01	6.00E+00
1,2,3-Trichloropropane	96-18-4	na	na
1,2,4-Trichlorobenzene	120-82-1	3.00E-01	6.00E+00
1,2,4-Trimethylbenzene	95-63-6	na	na
1,2-Dibromo-3-chloropropane	96-12-8	na	na
1,2-Dibromoethane	106-93-4	na	na
1,2-Dichlorobenzene	95-50-1	9.00E-01	1.80E+01
1,2-Dichloroethane	107-06-2	1.00E-03	2.00E-02
1,2-Dichloropropane	78-87-5	1.00E-03	2.00E-02
1,3,5-Trimethylbenzene	108-67-8	na	na
1,3-Dichlorobenzene	541-73-1	na	na
1,3-Dichloropropane	142-28-9	1.00E-03	2.00E-02
1,4-Dichlorobenzene	106-46-7	1.00E-01	2.00E+00
2,2-Dichloropropane	594-20-7	na	na
2-Butanone	78-93-3	na	na
2-Chlorotoluene	95-49-8	na	na
2-Hexanone	591-78-6	na	na
4-Chlorotoluene	106-43-4	na	na
4-Methyl-2-pentanone	108-10-1	na	na
Acetone	67-64-1	8.00E-01	1.60E+01
Benzene	71-43-2	2.00E-03	4.00E-02
Bromobenzene	108-86-1	na	na
Bromochloromethane	74-97-5	na	na
Bromodichloromethane	75-27-4	3.00E-02	6.00E-01
Bromoform	75-25-2	4.00E-02	8.00E-01
Bromomethane	74-83-9	1.00E-02	2.00E-01
Carbon Tetrachloride	56-23-5	3.00E-03	6.00E-02
Chlorobenzene	108-90-7	7.00E-02	1.40E+00
Chloroethane	75-00-3	na	na
Chloroform	67-66-3	3.00E-02	6.00E-01
Chloromethane	74-87-3	na	na
cis-1,2-Dichloroethene	156-92-2	na	na
cis-1,3-Dichloropropene	10061-01-5	na	na
Dibromochloromethane	124-48-1	2.00E-02	4.00E-01
Dibromomethane	74-95-3	na	na

Table 7
List of Soil Screening Levels (SSLs) Based on the Soil to Groundwater Pathway for Site-Related Chemicals
Phase B Source Area Investigation Work Plan - Area III
Tronox Facility - Henderson, Nevada
Page 4 of 5

		DAF = 1	DAF = 20
		mg/kg	mg/kg
Dichlorodifluoromethane	75-71-8	na	na
Diisopropyl ether (DIPE)	108-20-3	na	na
VOCs (continued)			
Ethylbenzene	100-41-4	7.00E-01	1.40E+01
Ethyl-tert-butyl ether (ETBE)	637-92-3	na	na
Hexachlorobutadiene	87-68-3	1.00E-01	2.00E+00
Isopropyl Benzene	98-28-8	na	na
Methylene Chloride	75-09-2	1.00E-03	2.00E-02
Methyl-tert-butyl ether (MTBE)	1634-04-4	na	na
Naphthalene	91-20-3	4.00E+00	8.00E+01
n-Butylbenzene	104-51-8	na	na
n-Propylbenzene	103-65-1	na	na
p-Isopropyltoluene	99-87-6	na	na
sec-Butylbenzene	135-98-8	na	na
Styrene	100-42-5	2.00E-01	4.00E+00
tert-Amyl-methyl ether (TAME)	994-05-8	na	na
tert-Butyl alcohol (TBA)	75-65-0	na	na
tert-Butylbenzene	98-06-6	na	na
Tetrachloroethene	127-18-4	3.00E-03	6.00E-02
Toluene	108-88-3	6.00E-01	1.20E+01
trans-1,2-Dichloroethene	156-60-5	3.00E-02	6.00E-01
trans-1,3-Dichloropropene	10061-02-6	na	na
Trichloroethene	79-01-6	3.00E-03	6.00E-02
Trichlorofluoromethane	75-69-4	na	na
Vinyl Chloride	75-01-4	7.00E-04	1.40E-02
Xylenes (total)	1330-20-7	1.00E+01	2.00E+02
SVOCs			
1,4-Dioxane	123-91-1	na	na
2-Methylnaphthalene	91-57-6	na	na
Acenaphthene	83-32-9	2.90E+01	5.80E+02
Acenaphthylene	208-96-8	na	na
Anthracene	120-12-7	5.90E+02	1.18E+04
Benzo(a)anthracene	56-55-3	8.00E-02	1.60E+00
Benzo(a)pyrene	50-32-8	4.00E-01	8.00E+00
Benzo(b)fluoranthene	205-99-2	2.00E-01	4.00E+00
Benzo(g,h,i)perylene	191-24-2	na	na
Benzo(k)fluoranthene	207-08-9	2.00E+00	4.00E+01
Bis(2-ethylhexyl)phthalate	117-81-7	1.80E+02	3.60E+03
Butylbenzylphthalate	85-68-7	8.10E+02	1.62E+04
Chrysene	218-01-9	8.00E+00	1.60E+02
Dibenzo(a,h)anthracene	53-70-3	8.00E-02	1.60E+00
Diethylphthalate	84-66-2	na	na
Dimethylphthalate	131-11-3	na	na
Di-n-butylphthalate	84-74-2	2.70E+02	5.40E+03
Di-n-octylphthalate	117-84-0	na	na
Fluoranthene	206-44-0	2.10E+02	4.20E+03
Fluorene	86-73-7	2.80E+01	5.60E+02
Hexachlorobenzene	118-74-1	1.00E-01	2.00E+00
Indeno(1,2,3-cd)pyrene	193-39-5	7.00E-01	1.40E+01
Naphthalene	91-20-3	4.00E+00	8.00E+01

Table 7
List of Soil Screening Levels (SSLs) Based on the Soil to Groundwater Pathway for Site-Related Chemicals
Phase B Source Area Investigation Work Plan - Area III
Tronox Facility - Henderson, Nevada
Page 5 of 5

		DAF = 1	DAF = 20
		mg/kg	mg/kg
Nitrobenzene	98-95-3	7.00E-03	1.40E-01
Octachlorostyrene	29082-74-4	na	na
Phenanthrene	85-01-8	na	na
Pyrene	129-00-0	2.10E+02	4.20E+03
Pyridine	110-86-1	na	na
Asbestos			
Amphibole Protocol Structures	na	na	na
Chrysotile Protocol Structures	na	na	na
Formaldehyde			
Formaldehyde	50-00-0	na	na
PCBs as congeners			
Total PCBs	na	na	na
3,3',4,4'-tetraCB (PCB 77)	32598-13-3	na	na
3,4,4',5-tetraCB (PCB 81)	70362-50-4	na	na
3,3',4,4',5-pentaCB (PCB 126)	57465-28-8	na	na
3,3',4,4',5,5'-hexaCB (PCB 169)	32774-16-6	na	na
2,3,3',4,4'-pentaCB (PCB 105)	32598-14-4	na	na
2,3,4,4',5-pentaCB (PCB 114)	74472-37-0	na	na
2,3',4,4',5-pentaCB (PCB 118)	31208-00-6	na	na
2',3,4,4',5-pentaCB (PCB 123)	65510-44-3	na	na
2,3,3',4,4',5-hexaCB (PCB 156)	38380-08-4	na	na
2,3,3',4,4',5'-hexaCB (PCB 157)	69782-90-7	na	na
2,3',4,4',5,5'-hexaCB (PCB 167)	52663-72-6	na	na
2,3,3',4,4',5,5'-heptaCB (PCB 189)	39635-31-9	na	na
CAS = Chemical Abstracts Service. DAF = Dilution and Attenuation Factor na = not applicable Tronox SRC list approved by NDEP on June 3, 2008. SSL - Soil screening level based on the soil to groundwater migration pathway. (a) USEPA Region 6 Medium-Specific Soil Screening Level Table. March 2008. Values for DAF = 20 were calculated by multiplying the DAF = 1 values by 20.			