

TABLE 1
SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY
TRONOX PARCEL F INVESTIGATION
CLARK COUNTY, NEVADA
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Parameter of Interest	Chemical	Result Unit	Total Count	Detect Count	Detect Frequency	Min. Detect ^a	Max. Detect ^a	Location of Max. Detect	Min. Non-Detect Limit ^b	Max. Non-Detect Limit ^b
Dioxins/Furans	TCDD TEQ ^h	pg/g	23	9	39%	0.7	80.5	TSB-FJ-03 @ 0	--	--
Asbestos ⁱ	Chrysotile	Structures	17	10	59%	1	20	TSB-FJ-02	--	--
	Amphibole	Structures	17	4	24%	1	4	TSB-FJ-07	--	--
General Chemistry	Bromide	mg/kg	34	4	12%	2	5.1	TSB-FJ-10 @ 10	2.5	2.8
	Bromine	mg/kg	34	4	12%	3.9	10.2	TSB-FJ-10 @ 10	5	5.6
	Chlorate	mg/kg	34	22	65%	2	198	TSB-FR-01 @ 10	5	5.6
	Chloride	mg/kg	34	34	100%	0.93	3270	TSB-FJ-02 @ 0	2	216
	Chlorine	mg/kg	34	34	100%	1.9	6540	TSB-FJ-02 @ 0	4	431
	Chlorite	mg/kg	68	0	0%	--	--	--	0.2	4
	Fluoride	mg/kg	34	14	41%	0.42	2.4	TSB-FJ-09 @ 0	1	1.1
	Nitrate (as N)	mg/kg	34	34	100%	0.41	184	TSB-FJ-02 @ 0	0.2	10.3
	Nitrite (as N)	mg/kg	10	2	20%	0.79	10.5	TSB-FR-01 @ 0	0.2	0.42
	Orthophosphate as P	mg/kg	34	2	6%	6	6.3	TSB-FR-01 @ 10	5	5.6
	Perchlorate	mg/kg	34	31	91%	0.0198	168	TSB-FJ-06 @ 0	0.0413	20.6
	Sulfate	mg/kg	34	34	100%	14.8	2270	TSB-FJ-08 @ 0	5	106
Metals	Aluminum	mg/kg	34	34	100%	4650	11600	TSB-FR-01 @ 0	10.1	11.1
	Antimony	mg/kg	34	34	100%	0.14	0.32	TSB-FJ-06 @ 0	1	1.1
	Arsenic	mg/kg	34	34	100%	2.4	11.3	TSB-FJ-02 @ 0	2	2.2
	Barium	mg/kg	34	34	100%	67	859	TSB-FJ-06 @ 0	4	4.5
	Beryllium	mg/kg	34	34	100%	0.39	0.84	TSB-FR-01 @ 0	0.2	0.22
	Boron	mg/kg	34	9	26%	5.8	13.4	TSB-FJ-06 @ 0	20.2	22.2
	Cadmium	mg/kg	34	8	24%	0.1	0.25	TSB-FJ-06 @ 0	0.1	0.11
	Calcium	mg/kg	34	34	100%	4160	97000	TSB-FR-02 @ 10	101	111
	Chromium (Total)	mg/kg	34	34	100%	5.2	19	TSB-FR-01 @ 0	2	2.2
	Chromium (VI)	mg/kg	34	0	0%	--	--	--	1	20
	Cobalt	mg/kg	34	34	100%	4.7	11.2	TSB-FR-01 @ 0	0.4	0.45
	Copper	mg/kg	34	34	100%	10.4	25.1	TSB-FJ-06 @ 0	2	2.2
	Iron	mg/kg	34	34	100%	8620	22300	TSB-FR-01 @ 0	10.1	11.1
	Lead	mg/kg	34	34	100%	5.1	39.8	TSB-FJ-06 @ 0	0.61	0.67
	Lithium	mg/kg	34	32	94%	5.7	22.7	TSB-FJ-01 @ 10	10.1	55.1
	Magnesium	mg/kg	34	34	100%	5910	12600	TSB-FJ-01 @ 10	101	111
	Manganese	mg/kg	34	34	100%	154	775	TSB-FJ-06 @ 0	0.4	0.45
	Mercury	mg/kg	34	10	29%	0.0088	0.0413	TSB-FJ-06 @ 0	0.0336	0.0371
	Molybdenum	mg/kg	34	18	53%	0.29	1.1	TSB-FJ-06 @ 0	1	1.1
	Nickel	mg/kg	34	34	100%	8.1	22.6	TSB-FR-01 @ 0	1	1.1
	Niobium	mg/kg	34	2	6%	9	9.9	TSB-FR-01 @ 0	5	5.6
	Palladium	mg/kg	34	34	100%	0.17	0.66	TSB-FR-01 @ 10	0.2	0.22
	Phosphorus (as P)	mg/kg	34	34	100%	648	1440	TSB-FR-01 @ 0	101	111
	Platinum	mg/kg	34	5	15%	0.021	0.15	TSB-FJ-06 @ 0	0.2	0.22
	Potassium	mg/kg	34	34	100%	1190	3930	TSB-FR-01 @ 0	20.2	22.2
	Selenium	mg/kg	34	0	0%	--	--	--	1	1.1

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Metals	Silicon	mg/kg	34	34	100%	92.8	426	TSB-FJ-06 @ 0	50.4	55.6
	Silver	mg/kg	34	34	100%	0.052	0.21	TSB-FR-01 @ 0	0.4	0.45
	Sodium	mg/kg	34	34	100%	169	2910	TSB-FJ-02 @ 0	40.3	44.5
	Strontium	mg/kg	34	34	100%	117	353	TSB-FR-01 @ 10	1	1.1
	Sulfur	mg/kg	34	17	50%	458	919	TSB-FJ-06 @ 0	1010	1110
	Thallium	mg/kg	34	0	0%	--	--	--	0.4	0.45
	Tin	mg/kg	34	31	91%	0.43	1.1	TSB-FJ-06 @ 0	0.4	0.45
	Titanium	mg/kg	34	34	100%	343	1010	TSB-FR-01 @ 0	1	1.1
	Tungsten	mg/kg	34	2	6%	1.1	1.2	TSB-FR-01 @ 0	1	1.1
	Uranium	mg/kg	34	34	100%	0.58	3.2	TSB-FR-01 @ 10	0.2	0.22
	Vanadium	mg/kg	34	34	100%	27.4	65.8	TSB-FR-01 @ 0	2	2.2
	Zinc	mg/kg	34	34	100%	23.6	67.1	TSB-FJ-06 @ 0	4	4.5
Zirconium	mg/kg	34	23	68%	14.4	35.7	TSB-FR-01 @ 0	20.2	22.2	
Organochlorine Pesticides	2,4-DDD	mg/kg	34	0	0%	--	--	--	0.0017	0.018
	2,4-DDE	mg/kg	34	2	6%	0.0019	0.0079	TSB-FJ-08 @ 0	0.0017	0.018
	4,4-DDD	mg/kg	34	0	0%	--	--	--	0.0017	0.018
	4,4-DDE	mg/kg	34	7	21%	0.0019	0.073	TSB-FR-02 @ 0	0.0017	0.018
	4,4-DDT	mg/kg	34	5	15%	0.0019	0.089	TSB-FR-02 @ 0	0.0017	0.018
	Aldrin	mg/kg	34	0	0%	--	--	--	0.0017	0.018
	alpha-BHC	mg/kg	34	4	12%	0.0021	0.059	TSB-FR-02 @ 0	0.0017	0.018
	alpha-Chlordane	mg/kg	34	0	0%	--	--	--	0.0017	0.018
	beta-BHC	mg/kg	34	12	35%	0.0018	0.14	TSB-FR-02 @ 0	0.0017	0.018
	Chlordane	mg/kg	34	0	0%	--	--	--	0.017	0.18
	delta-BHC	mg/kg	34	0	0%	--	--	--	0.0017	0.018
	Dieldrin	mg/kg	34	0	0%	--	--	--	0.0017	0.018
	Endosulfan I	mg/kg	34	0	0%	--	--	--	0.0017	0.018
	Endosulfan II	mg/kg	34	0	0%	--	--	--	0.0017	0.018
	Endosulfan sulfate	mg/kg	34	0	0%	--	--	--	0.0017	0.018
	Endrin	mg/kg	34	0	0%	--	--	--	0.0017	0.018
	Endrin aldehyde	mg/kg	34	1	3%	0.02	0.02	TSB-FJ-06 @ 0	0.0017	0.018
	Endrin ketone	mg/kg	34	0	0%	--	--	--	0.0017	0.018
	gamma-Chlordane	mg/kg	34	0	0%	--	--	--	0.0017	0.018
	Heptachlor	mg/kg	34	0	0%	--	--	--	0.0017	0.018
Heptachlor epoxide	mg/kg	34	0	0%	--	--	--	0.0017	0.018	
Lindane	mg/kg	34	0	0%	--	--	--	0.0017	0.018	
Methoxychlor	mg/kg	34	0	0%	--	--	--	0.0033	0.034	
Toxaphene	mg/kg	34	0	0%	--	--	--	0.068	0.69	
Petroleum Hydrocarbons	TPH (as Gasoline)	mg/kg	32	1	3%	0.29	0.29	TSB-FJ-10 @ 0	0.1	0.11
	Oil/Grease	mg/kg	34	0	0%	--	--	--	202	222
	TPH (as Diesel)	mg/kg	34	3	9%	66	5500	TSB-FR-04 @ 0	25	1100

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Radionuclides	Radium-226	pCi/g	34	25	74%	0.798	1.12	TSB-FJ-04 @ 10	0.0564	0.0943
	Radium-228	pCi/g	34	33	97%	1.48	2.02	TSB-FR-04 @ 0	0.11	0.177
	Thorium-228	pCi/g	34	34	100%	1.21	2.12	TSB-FJ-01 @ 0	0.1	0.1
	Thorium-230	pCi/g	34	34	100%	0.792	1.67	TSB-FR-01 @ 10	0.1	0.1
	Thorium-232	pCi/g	34	34	100%	1.15	1.92	TSB-FJ-02 @ 0	0.1	0.1
	Uranium-233/234	pCi/g	31	31	100%	0.725	2.56	TSB-FJ-06 @ 10	1	1
	Uranium-235/236	pCi/g	31	21	68%	0.0318	0.0787	TSB-FJ-06 @ 10	1	1
	Uranium-238	pCi/g	31	31	100%	0.643	1.77	TSB-FJ-06 @ 10	1	1
SVOCs	1,2,4,5-Tetrachlorobenzene	mg/kg	34	0	0%	--	--	--	0.33	0.37
	1,2-Diphenylhydrazine	mg/kg	34	0	0%	--	--	--	0.33	0.37
	1,4-Dioxane	mg/kg	34	0	0%	--	--	--	0.33	0.37
	2,2'-/4,4'-Dichlorobenzil	mg/kg	34	0	0%	--	--	--	0.33	20
	2,4,5-Trichlorophenol	mg/kg	34	0	0%	--	--	--	0.33	0.37
	2,4,6-Trichlorophenol	mg/kg	34	0	0%	--	--	--	0.33	0.37
	2,4-Dichlorophenol	mg/kg	34	0	0%	--	--	--	0.33	0.37
	2,4-Dimethylphenol	mg/kg	34	0	0%	--	--	--	0.33	0.37
	2,4-Dinitrophenol	mg/kg	34	0	0%	--	--	--	1.6	1.8
	2,4-Dinitrotoluene	mg/kg	34	0	0%	--	--	--	0.33	0.37
	2,6-Dinitrotoluene	mg/kg	34	0	0%	--	--	--	0.33	0.37
	2-Chloronaphthalene	mg/kg	34	0	0%	--	--	--	0.33	0.37
	2-Chlorophenol	mg/kg	34	0	0%	--	--	--	0.33	0.37
	2-Methylnaphthalene	mg/kg	34	0	0%	--	--	--	0.33	0.37
	2-Nitroaniline	mg/kg	34	0	0%	--	--	--	1.6	1.8
	2-Nitrophenol	mg/kg	34	0	0%	--	--	--	0.33	0.37
	3,3'-Dichlorobenzidine	mg/kg	34	0	0%	--	--	--	1.6	1.8
	3-Methylphenol & 4-Methylphenol	mg/kg	34	0	0%	--	--	--	0.67	0.73
	3-Nitroaniline	mg/kg	34	0	0%	--	--	--	1.6	1.8
	4-Bromophenyl phenyl ether	mg/kg	34	0	0%	--	--	--	0.33	0.37
	4-Chloro-3-Methylphenol	mg/kg	34	0	0%	--	--	--	0.33	0.37
	4-Chlorophenyl phenyl ether	mg/kg	34	0	0%	--	--	--	0.33	0.37
	4-Chlorothioanisole	mg/kg	34	0	0%	--	--	--	0.33	0.37
	4-Nitrophenol	mg/kg	34	0	0%	--	--	--	1.6	1.8
	Acenaphthene	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Acenaphthylene	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Acetophenone	mg/kg	34	2	6%	0.046	0.062	TSB-FJ-06 @ 0	0.33	0.37
	Aniline	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Anthracene	mg/kg	34	1	3%	0.041	0.041	TSB-FR-02 @ 0	0.33	0.37
	Azobenzene	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Benzenethiol	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Benzo(a)anthracene	mg/kg	34	2	6%	0.096	0.83	TSB-FR-02 @ 0	0.33	0.37
Benzo(a)pyrene	mg/kg	34	1	3%	0.85	0.85	TSB-FR-02 @ 0	0.33	0.37	

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SVOCs	Benzo(b)fluoranthene	mg/kg	34	1	3%	3.3	3.3	TSB-FR-02 @ 0	0.33	0.37
	Benzo(g,h,i)perylene	mg/kg	34	1	3%	1.9	1.9	TSB-FR-02 @ 0	0.33	0.37
	Benzo(k)fluoranthene	mg/kg	34	1	3%	2.9	2.9	TSB-FR-02 @ 0	0.33	0.37
	Benzoic acid	mg/kg	34	2	6%	0.23	0.32	TSB-FR-02 @ 0	1.6	1.8
	Benzyl alcohol	mg/kg	34	1	3%	0.34	0.34	TSB-FJ-06 @ 0	0.33	0.37
	Benzyl butyl phthalate	mg/kg	34	0	0%	--	--	--	0.33	0.37
	bis(2-Chloroethoxy) methane	mg/kg	34	0	0%	--	--	--	0.33	0.37
	bis(2-Chloroethyl) ether	mg/kg	34	0	0%	--	--	--	0.33	0.37
	bis(2-Chloroisopropyl) ether	mg/kg	34	0	0%	--	--	--	0.33	0.37
	bis(2-Ethylhexyl) phthalate	mg/kg	34	3	9%	0.048	1.4	TSB-FJ-09 @ 0	0.33	0.37
	bis(p-Chlorophenyl) disulfide	mg/kg	34	0	0%	--	--	--	0.33	0.37
	bis(p-Chlorophenyl) sulfone	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Carbazole	mg/kg	34	1	3%	0.068	0.068	TSB-FR-02 @ 0	0.33	0.37
	Chrysene	mg/kg	34	4	12%	0.043	2.1	TSB-FR-02 @ 0	0.33	0.37
	Dibenzo(a,h)anthracene	mg/kg	34	1	3%	0.57	0.57	TSB-FR-02 @ 0	0.33	0.37
	Dibenzofuran	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Dibutyl phthalate	mg/kg	34	3	9%	0.047	4.7	TSB-FJ-06 @ 0	0.33	0.37
	Diethyl phthalate	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Dimethyl phthalate	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Di-n-octyl phthalate	mg/kg	34	2	6%	0.21	0.28	TSB-FJ-06 @ 0	0.33	0.37
	Diphenyl sulfone	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Fluoranthene	mg/kg	34	4	12%	0.041	2.8	TSB-FR-02 @ 0	0.33	0.37
	Fluorene	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Hexachloro-1,3-butadiene	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Hexachlorobenzene	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Hexachlorocyclopentadiene	mg/kg	34	0	0%	--	--	--	1.6	1.8
	Hexachloroethane	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Hydroxymethyl phthalimide	mg/kg	34	1	3%	0.12	0.12	TSB-FJ-06 @ 0	0.33	0.37
	Indeno(1,2,3-cd)pyrene	mg/kg	34	1	3%	1.9	1.9	TSB-FR-02 @ 0	0.33	0.37
	Isophorone	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Naphthalene	mg/kg	34	1	3%	0.04	0.04	TSB-FR-02 @ 0	0.33	0.37
	Nitrobenzene	mg/kg	34	0	0%	--	--	--	0.33	0.37
	N-nitrosodi-n-propylamine	mg/kg	34	0	0%	--	--	--	0.33	0.37
N-nitrosodiphenylamine	mg/kg	34	0	0%	--	--	--	0.33	0.37	
o-Cresol	mg/kg	34	0	0%	--	--	--	0.33	0.37	
Octachlorostyrene	mg/kg	34	0	0%	--	--	--	0.33	0.37	
p-Chloroaniline	mg/kg	34	0	0%	--	--	--	0.33	0.37	
p-Chlorothiophenol	mg/kg	34	0	0%	--	--	--	0.33	0.37	
Pentachlorobenzene	mg/kg	34	0	0%	--	--	--	0.33	0.37	
Pentachlorophenol	mg/kg	34	0	0%	--	--	--	1.6	1.8	
Phenanthrene	mg/kg	34	3	9%	0.095	1.1	TSB-FR-02 @ 0	0.33	0.37	

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SVOCs	Phenol	mg/kg	34	1	3%	0.44	0.44	TSB-FJ-06 @ 0	0.33	0.37
	Phenyl Disulfide	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Phenyl Sulfide	mg/kg	34	0	0%	--	--	--	0.33	0.37
	Phthalic acid	mg/kg	34	0	0%	--	--	--	1.6	1.8
	p-Nitroaniline	mg/kg	34	0	0%	--	--	--	1.6	1.8
	Pyrene	mg/kg	34	3	9%	0.04	1.9	TSB-FR-02 @ 0	0.33	0.37
	Pyridine	mg/kg	34	0	0%	--	--	--	0.67	0.73
VOCs	1,1,1,2-Tetrachloroethane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,1,1-Trichloroethane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,1,2,2-Tetrachloroethane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,1,2-Trichloroethane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,1-Dichloroethane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,1-Dichloroethylene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,1-Dichloropropene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,2,3-Trichlorobenzene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,2,3-Trichloropropane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,2,4-Trichlorobenzene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,2,4-Trimethylbenzene	mg/kg	34	6	18%	0.00041	0.0086	TSB-FJ-10 @ 0	0.005	0.0056
	1,2-Dibromo-3-chloropropane (DBC)	mg/kg	34	0	0%	--	--	--	0.01	0.011
	1,2-Dichlorobenzene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,2-Dichloroethane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,2-Dichloroethylene	mg/kg	34	0	0%	--	--	--	0.01	0.011
	1,2-Dichloropropane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,3,5-Trichlorobenzene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,3,5-Trimethylbenzene	mg/kg	34	3	9%	0.00061	0.0038	TSB-FJ-10 @ 0	0.005	0.0056
	1,3-Dichlorobenzene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,3-Dichloropropane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1,4-Dichlorobenzene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	1-Nonanal	mg/kg	34	1	3%	0.0033	0.0033	TSB-FJ-07 @ 0	0.01	0.011
	2,2,3-Trimethylbutane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	2,2-Dichloropropane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	2,2-Dimethylpentane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	2,3-Dimethylpentane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	2,4-Dimethylpentane	mg/kg	34	0	0%	--	--	--	0.02	0.022
	2-Chlorotoluene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	2-Nitropropane	mg/kg	34	0	0%	--	--	--	0.01	0.011
	2-Phenylbutane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	3,3-dimethylpentane	mg/kg	34	0	0%	--	--	--	0.01	0.011
	3-ethylpentane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	3-Methylhexane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
4-Chlorotoluene	mg/kg	34	0	0%	--	--	--	0.005	0.0056	

TABLE 1
SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY
TRONOX PARCEL F INVESTIGATION
CLARK COUNTY, NEVADA
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Parameter of Interest	Chemical	Result Unit	Total Count	Detect Count	Detect Frequency	Min. Detect ^a	Max. Detect ^a	Location of Max. Detect	Min. Non-Detect Limit ^b	Max. Non-Detect Limit ^b
VOCs	Acetone	mg/kg	34	9	26%	0.0056	1.9	TSB-FJ-10 @ 0	0.02	0.022
	Acetonitrile	mg/kg	34	0	0%	--	--	--	0.05	0.056
	Benzene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Bromobenzene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Bromodichloromethane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Bromomethane	mg/kg	34	0	0%	--	--	--	0.01	0.011
	Carbon disulfide	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Carbon tetrachloride	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	CFC-11	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	CFC-12	mg/kg	34	0	0%	--	--	--	0.01	0.011
	Chlorinated fluorocarbon (Freon 113)	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Chlorobenzene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Chlorobromomethane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Chlorodibromomethane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Chloroethane	mg/kg	34	0	0%	--	--	--	0.01	0.011
	Chloroform	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Chloromethane	mg/kg	34	0	0%	--	--	--	0.01	0.011
	cis-1,2-Dichloroethylene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	cis-1,3-Dichloropropylene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Cymene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Dibromomethane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Dichloromethane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Ethanol	mg/kg	34	0	0%	--	--	--	0.25	0.28
	Ethylbenzene	mg/kg	34	2	6%	0.00041	0.00048	TSB-FJ-10 @ 0	0.005	0.0056
	Hexane, 2-methyl-	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Isopropylbenzene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	m,p-Xylene	mg/kg	34	3	9%	0.0012	0.0026	TSB-FJ-10 @ 0	0.005	0.0056
	Methyl disulfide	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Methyl ethyl ketone	mg/kg	34	3	9%	0.0045	0.013	TSB-FJ-10 @ 0	0.02	0.022
	Methyl iodide	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Methyl isobutyl ketone	mg/kg	34	0	0%	--	--	--	0.02	0.022
	Methyl n-butyl ketone	mg/kg	34	2	6%	0.0022	0.0071	TSB-FJ-06 @ 0	0.02	0.022
	MTBE (Methyl tert-butyl ether)	mg/kg	34	0	0%	--	--	--	0.005	0.0056
n-Butyl benzene	mg/kg	34	0	0%	--	--	--	0.005	0.0056	
n-Heptane	mg/kg	34	0	0%	--	--	--	0.005	0.0056	
n-Propyl benzene	mg/kg	34	1	3%	0.0014	0.0014	TSB-FJ-10 @ 0	0.005	0.0056	
o-Xylene	mg/kg	34	2	6%	0.00083	0.00083	TSB-FJ-06 @ 0	0.005	0.0056	
Styrene (monomer)	mg/kg	34	0	0%	--	--	--	0.005	0.0056	
tert-Butyl benzene	mg/kg	34	0	0%	--	--	--	0.005	0.0056	
Tetrachloroethylene	mg/kg	34	0	0%	--	--	--	0.005	0.0056	
Toluene	mg/kg	34	1	3%	0.00047	0.00047	TSB-FJ-06 @ 0	0.005	0.0056	

TABLE 1
SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY
TRONOX PARCEL F INVESTIGATION
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Parameter of Interest	Chemical	Result Unit	Total Count	Detect Count	Detect Frequency	Min. Detect ^a	Max. Detect ^a	Location of Max. Detect	Min. Non-Detect Limit ^b	Max. Non-Detect Limit ^b
VOCs	trans-1,2-Dichloroethylene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	trans-1,3-Dichloropropylene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Tribromomethane	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Trichloroethylene	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Vinyl acetate	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Vinyl chloride	mg/kg	34	0	0%	--	--	--	0.005	0.0056
	Xylenes (total)	mg/kg	34	2	6%	0.0028	0.0034	TSB-FJ-10 @ 0	0.01	0.011
PCBs	Aroclor 1016	mg/kg	28	0	0%	--	--	--	0.033	0.036
	Aroclor 1221	mg/kg	14	0	0%	--	--	--	0.033	0.036
	Aroclor 1232	mg/kg	14	0	0%	--	--	--	0.033	0.036
	Aroclor 1242	mg/kg	14	0	0%	--	--	--	0.033	0.036
	Aroclor 1248	mg/kg	14	1	7%	0.074	0.074	TSB-FJ-03 @ 0	0.033	0.036
	Aroclor 1254	mg/kg	14	1	7%	0.76	0.76	TSB-FR-02 @ 0	0.033	0.036
	Aroclor 1260	mg/kg	14	0	0%	--	--	--	0.033	0.036

a - Range of detections include estimated values of detect results between the detection limit and reporting limit. As such some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the data set.

b - The quantitation limits shown include samples which had detections. For screening purposes, the detection limit was used for comparison to the screening levels.

c - From USEPA Region 9 preliminary remediation goals (PRG) table, Oct. 2004 (and the 2007 USEPA radionuclide PRG webpage; <http://epa-prgs.ornl.gov/radionuclides>). Values used are industrial soil PRGs. Several chemicals have both cancer and non-cancer toxicity criteria. For these chemicals USEPA calculates PRGs for both cancer and non-cancer endpoints; however only the lower value is published in its PRG table. The other value is included in a separate spreadsheet table. This other value is shown on this table as the 'Secondary Industrial PRG' and is included in the screening-level risk assessment calculations.

d - Values used are the maximum from the shallow soils background dataset presented in the Background Shallow Soil Summary Report, BMI Complex and Common Area Vicinity (BRC/TIMET 2007).

e - Based on results of statistical comparison tests performed between shallow background and site datasets (see Table _).

f - Non-cancer hazard indices were calculated by dividing the maximum detected value (or maximum non-detect limit, if higher) by its PRG (or secondary PRG). The total non-cancer hazard index is the sum of all chemical-specific hazard indices.

g - Theoretical upper-bound incremental lifetime cancer risks were calculated by dividing the maximum detected value (or maximum non-detect limit, if higher) by its PRG (or secondary PRG) times 1E-6. The total incremental lifetime cancer risk is the sum of all chemical-specific cancer risks.

h - Agency for Toxic Substances and Disease Registry (ATSDR) action level of 1.0 parts per billion (ppb).

i - Asbestos results shown are for long protocol structures (>10um).

TABLE 1
SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY
TRONOX PARCEL F INVESTIGATION
CLARK COUNTY, NEVADA
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Parameter of Interest	Chemical	Result Unit	Max. Detect ^a	Industrial PRG ^c	PRG Basis	Secondary Industrial PRG ^c	Count of Detects > PRG	SSL (DAF = 20) ^c	Count of Detects > SSL (20)	SSL (DAF = 1) ^c	Count of Detects > SSL (1)
Dioxins/Furans	TCDD TEQ ^h	pg/g	80.5	1000	ca	--	0	--	--	--	--
Asbestos ⁱ	Chrysotile	Structures	20	--	--	--	--	--	--	--	--
	Amphibole	Structures	4	--	--	--	--	--	--	--	--
General Chemistry	Bromide	mg/kg	5.1	--	--	--	--	--	--	--	--
	Bromine	mg/kg	10.2	--	--	--	--	--	--	--	--
	Chlorate	mg/kg	198	--	--	--	--	--	--	--	--
	Chloride	mg/kg	3270	--	--	--	--	--	--	--	--
	Chlorine	mg/kg	6540	--	--	--	--	--	--	--	--
	Chlorite	mg/kg	--	--	--	--	--	--	--	--	--
	Fluoride	mg/kg	2.4	36938	nc	--	0	--	--	--	--
	Nitrate (as N)	mg/kg	184	--	--	--	--	--	--	--	--
	Nitrite (as N)	mg/kg	10.5	--	--	--	--	--	--	--	--
	Orthophosphate as P	mg/kg	6.3	--	--	--	--	--	--	--	--
	Perchlorate	mg/kg	168	102	nc	--	2	--	--	--	--
	Sulfate	mg/kg	2270	--	--	--	--	--	--	--	--
Metals	Aluminum	mg/kg	11600	100000	max	--	0	--	--	--	--
	Antimony	mg/kg	0.32	409	nc	--	0	5	0	0.3	2
	Arsenic	mg/kg	11.3	1.6	ca	256	34	29	0	1	34
	Barium	mg/kg	859	66577	nc	--	0	1600	0	82	33
	Beryllium	mg/kg	0.84	1941	ca	2241	0	63	0	3	0
	Boron	mg/kg	13.4	100000	max	--	0	--	--	--	--
	Cadmium	mg/kg	0.25	451	nc	2989	0	8	0	0.4	0
	Calcium	mg/kg	97000	--	--	--	--	--	--	--	--
	Chromium (Total)	mg/kg	19	100000	nc	--	0	--	--	--	--
	Chromium (VI)	mg/kg	--	64	ca	2540	--	38	--	2	--
	Cobalt	mg/kg	11.2	1921	ca	13330	0	--	--	--	--
	Copper	mg/kg	25.1	40877	nc	--	0	--	--	--	--
	Iron	mg/kg	22300	100000	max	--	0	--	--	--	--
	Lead	mg/kg	39.8	800	nc	--	0	--	--	--	--
	Lithium	mg/kg	22.7	20439	--	--	0	--	--	--	--
	Magnesium	mg/kg	12600	--	--	--	--	--	--	--	--
	Manganese	mg/kg	775	19458	nc	--	0	--	--	--	--
	Mercury	mg/kg	0.0413	307	nc	--	0	--	--	--	--
	Molybdenum	mg/kg	1.1	5110	nc	--	0	--	--	--	--
	Nickel	mg/kg	22.6	20439	nc	--	0	130	0	7	34
	Niobium	mg/kg	9.9	--	--	--	--	--	--	--	--
	Palladium	mg/kg	0.66	--	--	--	--	--	--	--	--
	Phosphorus (as P)	mg/kg	1440	--	--	--	--	--	--	--	--
	Platinum	mg/kg	0.15	--	--	--	--	--	--	--	--
	Potassium	mg/kg	3930	--	--	--	--	--	--	--	--
	Selenium	mg/kg	--	5110	nc	--	--	5	--	0.3	--

TABLE 1
SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY
TRONOX PARCEL F INVESTIGATION
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Parameter of Interest	Chemical	Result Unit	Max. Detect ^a	Industrial PRG ^c	PRG Basis	Secondary Industrial PRG ^c	Count of Detects > PRG	SSL (DAF = 20) ^c	Count of Detects > SSL (20)	SSL (DAF = 1) ^c	Count of Detects > SSL (1)
Radionuclides	Radium-226	pCi/g	1.12	0.026	ca	--	34	0.32	34	0.016	34
	Radium-228	pCi/g	2.02	0.15	ca	--	34	1.2	33	0.059	34
	Thorium-228	pCi/g	2.12	0.26	ca	--	34	66	0	3.3	0
	Thorium-230	pCi/g	1.67	20	ca	--	0	6.1	0	0.3	34
	Thorium-232	pCi/g	1.92	19	ca	--	0	6.1	0	0.3	34
	Uranium-233/234	pCi/g	2.56	32	ca	--	0	2240	0	112	0
	Uranium-235/236	pCi/g	0.0787	0.4	ca	--	0	0.78	0	0.039	14
Uranium-238	pCi/g	1.77	1.8	ca	--	0	0.12	31	0.006	31	
SVOCs	1,2,4,5-Tetrachlorobenzene	mg/kg	--	185	nc	--	--	--	--	--	--
	1,2-Diphenylhydrazine	mg/kg	--	2.2	ca	--	--	--	--	--	--
	1,4-Dioxane	mg/kg	--	157	ca	--	--	--	--	--	--
	2,2'-/4,4'-Dichlorobenzil	mg/kg	--	--	--	--	--	--	--	--	--
	2,4,5-Trichlorophenol	mg/kg	--	61561	nc	--	--	270	--	14	--
	2,4,6-Trichlorophenol	mg/kg	--	62	nc	157	--	0.2	--	0.008	--
	2,4-Dichlorophenol	mg/kg	--	1847	nc	--	--	1	--	0.05	--
	2,4-Dimethylphenol	mg/kg	--	12312	nc	--	--	9	--	0.4	--
	2,4-Dinitrophenol	mg/kg	--	1231	nc	--	--	0.3	--	0.01	--
	2,4-Dinitrotoluene	mg/kg	--	1231	nc	--	--	0.0008	--	0.00004	--
	2,6-Dinitrotoluene	mg/kg	--	615	nc	--	--	0.0007	--	0.00003	--
	2-Chloronaphthalene	mg/kg	--	23383	nc	--	--	--	--	--	--
	2-Chlorophenol	mg/kg	--	236	nc	--	--	4	--	0.2	--
	2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--
	2-Nitroaniline	mg/kg	--	1830	nc	--	--	--	--	--	--
	2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--
	3,3'-Dichlorobenzidine	mg/kg	--	3.8	ca	--	--	0.007	--	0.0003	--
	3-Methylphenol & 4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--
	3-Nitroaniline	mg/kg	--	82	ca	185	--	--	--	--	--
	4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--
	4-Chloro-3-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	mg/kg	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--
	Acenaphthene	mg/kg	--	29219	nc	--	--	570	--	29	--
	Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--	--
	Acetophenone	mg/kg	0.062	--	--	--	--	--	--	--	--
	Aniline	mg/kg	--	302	ca	4300	--	--	--	--	--
	Anthracene	mg/kg	0.041	100000	max	--	0	12000	0	590	0
	Azobenzene	mg/kg	--	16	ca	--	--	--	--	--	--
	Benzenethiol	mg/kg	--	--	--	--	--	--	--	--	--
	Benzo(a)anthracene	mg/kg	0.83	2.1	ca	--	0	2	0	0.08	2
Benzo(a)pyrene	mg/kg	0.85	0.21	ca	--	1	8	0	0.4	1	

TABLE 1
SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY
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Parameter of Interest	Chemical	Result Unit	Max. Detect ^a	Industrial PRG ^c	PRG Basis	Secondary Industrial PRG ^c	Count of Detects > PRG	SSL (DAF = 20) ^c	Count of Detects > SSL (20)	SSL (DAF = 1) ^c	Count of Detects > SSL (1)
VOCs	Acetone	mg/kg	1.9	54321	nc	--	0	16	0	0.8	1
	Acetonitrile	mg/kg	--	1818	nc	--	--	--	--	--	--
	Benzene	mg/kg	--	1.4	ca	117	--	0.03	--	0.002	--
	Bromobenzene	mg/kg	--	92	nc	--	--	--	--	--	--
	Bromodichloromethane	mg/kg	--	1.8	ca	811	--	0.6	--	0.03	--
	Bromomethane	mg/kg	--	13	nc	--	--	0.2	--	0.01	--
	Carbon disulfide	mg/kg	--	720	sat	--	--	32	--	2	--
	Carbon tetrachloride	mg/kg	--	0.55	ca	7.3	--	0.07	--	0.003	--
	CFC-11	mg/kg	--	2000	sat	--	--	--	--	--	--
	CFC-12	mg/kg	--	308	nc	--	--	--	--	--	--
	Chlorinated fluorocarbon (Freon 113)	mg/kg	--	5600	sat	--	--	--	--	--	--
	Chlorobenzene	mg/kg	--	530	nc	--	--	1	--	0.07	--
	Chlorobromomethane	mg/kg	--	--	--	--	--	--	--	--	--
	Chlorodibromomethane	mg/kg	--	2.6	ca	1533	--	0.4	--	0.02	--
	Chloroethane	mg/kg	--	6.5	ca	18447	--	--	--	--	--
	Chloroform	mg/kg	--	0.47	ca	187	--	0.6	--	0.03	--
	Chloromethane	mg/kg	--	156	nc	--	--	--	--	--	--
	cis-1,2-Dichloroethylene	mg/kg	--	146	nc	--	--	0.4	--	0.02	--
	cis-1,3-Dichloropropylene	mg/kg	--	1.8	ca	--	--	0.004	--	0.0002	--
	Cymene	mg/kg	--	--	--	--	--	--	--	--	--
	Dibromomethane	mg/kg	--	234	nc	--	--	--	--	--	--
	Dichloromethane	mg/kg	--	20.5	ca	--	--	0.02	--	0.001	--
	Ethanol	mg/kg	--	--	--	--	--	--	--	--	--
	Ethylbenzene	mg/kg	0.00048	395	sat	--	0	13	0	0.7	0
	Hexane, 2-methyl-	mg/kg	--	--	--	--	--	--	--	--	--
	Isopropylbenzene	mg/kg	--	1978	nc	--	--	--	--	--	--
	m,p-Xylene	mg/kg	0.0026	--	--	--	--	--	--	--	--
	Methyl disulfide	mg/kg	--	--	--	--	--	--	--	--	--
	Methyl ethyl ketone	mg/kg	0.013	113264	nc	--	0	--	--	--	--
	Methyl iodide	mg/kg	--	--	--	--	--	--	--	--	--
	Methyl isobutyl ketone	mg/kg	--	47001	nc	--	--	--	--	--	--
	Methyl n-butyl ketone	mg/kg	0.0071	--	--	--	--	--	--	--	--
	MTBE (Methyl tert-butyl ether)	mg/kg	--	70	ca	20073	--	--	--	--	--
	n-Butyl benzene	mg/kg	--	240	sat	--	--	--	--	--	--
	n-Heptane	mg/kg	--	--	--	--	--	--	--	--	--
	n-Propyl benzene	mg/kg	0.0014	240	sat	--	0	--	--	--	--
	o-Xylene	mg/kg	0.00083	--	--	--	--	--	--	--	--
	Styrene (monomer)	mg/kg	--	1700	sat	--	--	4	--	0.2	--
	tert-Butyl benzene	mg/kg	--	390	sat	--	--	--	--	--	--
	Tetrachloroethylene	mg/kg	--	1.3	ca	129	--	0.06	--	0.003	--
Toluene	mg/kg	0.00047	520	sat	--	0	12	0	0.6	0	

TABLE 1
SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY
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Parameter of Interest	Chemical	Result Unit	Max. Detect ^a	Industrial PRG ^c	PRG Basis	Secondary Industrial PRG ^c	Count of Detects > PRG	SSL (DAF = 20) ^c	Count of Detects > SSL (20)	SSL (DAF = 1) ^c	Count of Detects > SSL (1)
VOCs	trans-1,2-Dichloroethylene	mg/kg	--	235	nc	--	--	0.7	--	0.03	--
	trans-1,3-Dichloropropylene	mg/kg	--	1.8	ca	--	--	0.004	--	0.0002	--
	Tribromomethane	mg/kg	--	218	ca	12312	--	0.8	--	0.04	--
	Trichloroethylene	mg/kg	--	6.5	ca	108	--	0.06	--	0.003	--
	Vinyl acetate	mg/kg	--	1396	nc	--	--	170	--	8	--
	Vinyl chloride	mg/kg	--	0.75	ca	144	--	0.01	--	0.0007	--
	Xylenes (total)	mg/kg	0.0034	420	sat	--	0	210	0	10	0
PCBs	Aroclor 1016	mg/kg	--	21	ca	37	--	--	--	--	--
	Aroclor 1221	mg/kg	--	0.74	ca	11	--	--	--	--	--
	Aroclor 1232	mg/kg	--	0.74	ca	11	--	--	--	--	--
	Aroclor 1242	mg/kg	--	0.74	ca	11	--	--	--	--	--
	Aroclor 1248	mg/kg	0.074	0.74	ca	11	0	--	--	--	--
	Aroclor 1254	mg/kg	0.76	0.74	ca	11	1	--	--	--	--
	Aroclor 1260	mg/kg	--	0.74	ca	11	--	--	--	--	--

a - Range of detections include estimated values of detect results between the detection limit and reporting limit. As such some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the data set.

b - The quantitation limits shown include samples which had detections. For screening purposes, the detection limit was used for comparison to the screening levels.

c - From USEPA Region 9 preliminary remediation goals (PRG) table, Oct. 2004 (and the 2007 USEPA radionuclide PRG webpage; <http://epa-prgs.ornl.gov/radionuclides>). Values used are industrial soil PRGs. Several chemicals have both cancer and non-cancer toxicity criteria. For these chemicals USEPA calculates PRGs for both cancer and non-cancer endpoints; however only the lower value is published in its PRG table. The other value is included in a separate spreadsheet table. This other value is shown on this table as the 'Secondary Industrial PRG' and is included in the screening-level risk assessment calculations.

d - Values used are the maximum from the shallow soils background dataset presented in the Background Shallow Soil Summary Report, BMI Complex and Common Area Vicinity (BRC/TIMET 2007).

e - Based on results of statistical comparison tests performed between shallow background and site datasets (see Table _).

f - Non-cancer hazard indices were calculated by dividing the maximum detected value (or maximum non-detect limit, if higher) by its PRG (or secondary PRG). The total non-cancer hazard index is the sum of all chemical-specific hazard indices.

g - Theoretical upper-bound incremental lifetime cancer risks were calculated by dividing the maximum detected value (or maximum non-detect limit, if higher) by its PRG (or secondary PRG) times 1E-6. The total incremental lifetime cancer risk is the sum of all chemical-specific cancer risks.

h - Agency for Toxic Substances and Disease Registry (ATSDR) action level of 1.0 parts per billion (ppb).

i - Asbestos results shown are for long protocol structures (>10um).

TABLE 1
SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY
TRONOX PARCEL F INVESTIGATION
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Parameter of Interest	Chemical	Result Unit	Max. Detect ^a	Max. Bkgrd ^d	Count of Detects > Bkgrd	Above Bkgrd? ^e	Industrial PRG ^c	PRG Basis	Secondary Industrial PRG ^c	Non-Cancer Hazard Index ^f	Incremental Lifetime Cancer Risk ^g
Dioxins/Furans	TCDD TEQ ^h	pg/g	80.5	--	--	--	1000	ca	--	--	8 E-8
Asbestos ⁱ	Chrysotile	Structures	20	--	--	--	--	--	--	--	See Asbestos Risk Calc. Table
	Amphibole	Structures	4	--	--	--	--	--	--	--	
General Chemistry	Bromide	mg/kg	5.1	--	--	--	--	--	--	--	--
	Bromine	mg/kg	10.2	--	--	--	--	--	--	--	--
	Chlorate	mg/kg	198	--	--	--	--	--	--	--	--
	Chloride	mg/kg	3270	1110	9	--	--	--	--	--	--
	Chlorine	mg/kg	6540	--	--	--	--	--	--	--	--
	Chlorite	mg/kg	--	--	--	--	--	--	--	--	--
	Fluoride	mg/kg	2.4	2.5	0	--	36938	nc	--	0.000065	--
	Nitrate (as N)	mg/kg	184	102	2	--	--	--	--	--	--
	Nitrite (as N)	mg/kg	10.5	0.21	2	--	--	--	--	--	--
	Orthophosphate as P	mg/kg	6.3	--	--	--	--	--	--	--	--
	Perchlorate	mg/kg	168	--	--	--	102	nc	--	1.6	--
Sulfate	mg/kg	2270	4130	0	--	--	--	--	--	--	
Metals	Aluminum	mg/kg	11600	15300	0	No	100000	max	--	--	--
	Antimony	mg/kg	0.32	0.5	0	No	409	nc	--	--	--
	Arsenic	mg/kg	11.3	7.2	1	No	1.6	ca	256	--	--
	Barium	mg/kg	859	836	1	No	66577	nc	--	--	--
	Beryllium	mg/kg	0.84	0.89	0	No	1941	ca	2241	--	--
	Boron	mg/kg	13.4	11.6	3	Yes	100000	max	--	0.00011	--
	Cadmium	mg/kg	0.25	0.16	2	No	451	nc	2989	--	--
	Calcium	mg/kg	97000	82800	1	No	--	--	--	--	--
	Chromium (Total)	mg/kg	19	16.7	2	Yes	100000	nc	--	0.000012	--
	Chromium (VI)	mg/kg	--	0.251	--	No	64	ca	2540	--	--
	Cobalt	mg/kg	11.2	16.3	0	No	1921	ca	13330	--	--
	Copper	mg/kg	25.1	30.5	0	No	40877	nc	--	--	--
	Iron	mg/kg	22300	19700	1	No	100000	max	--	--	--
	Lead	mg/kg	39.8	35.1	2	No	800	nc	--	--	--
	Lithium	mg/kg	22.7	26.5	0	No	20439	--	--	--	--
	Magnesium	mg/kg	12600	17500	0	No	--	--	--	--	--
	Manganese	mg/kg	775	1090	0	No	19458	nc	--	--	--
	Mercury	mg/kg	0.0413	0.11	0	No	307	nc	--	--	--
	Molybdenum	mg/kg	1.1	2	0	No	5110	nc	--	--	--
	Nickel	mg/kg	22.6	30	0	No	20439	nc	--	--	--
	Niobium	mg/kg	9.9	2.8	2	Yes	--	--	--	--	--
	Palladium	mg/kg	0.66	1.5	0	No	--	--	--	--	--
	Phosphorus (as P)	mg/kg	1440	--	--	No	--	--	--	--	--
	Platinum	mg/kg	0.15	0.099	2	Yes	--	--	--	--	--
Potassium	mg/kg	3930	3890	1	No	--	--	--	--	--	
Selenium	mg/kg	--	0.6	--	No	5110	nc	--	--	--	

TABLE 1
SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY
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Parameter of Interest	Chemical	Result Unit	Max. Detect ^a	Max. Bkgrd ^d	Count of Detects > Bkgrd	Above Bkgrd? ^e	Industrial PRG ^c	PRG Basis	Secondary Industrial PRG ^c	Non-Cancer Hazard Index ^f	Incremental Lifetime Cancer Risk ^g
Radionuclides	Radium-226	pCi/g	1.12	2.36	0	No	0.026	ca	--	--	--
	Radium-228	pCi/g	2.02	2.94	0	No	0.15	ca	--	--	--
	Thorium-228	pCi/g	2.12	2.28	0	No	0.26	ca	--	--	--
	Thorium-230	pCi/g	1.67	3.01	0	No	20	ca	--	--	--
	Thorium-232	pCi/g	1.92	2.23	0	No	19	ca	--	--	--
	Uranium-233/234	pCi/g	2.56	2.84	0	No	32	ca	--	--	--
	Uranium-235/236	pCi/g	0.0787	0.21	0	No	0.4	ca	--	--	--
Uranium-238	pCi/g	1.77	2.37	0	No	1.8	ca	--	--	--	
SVOCs	1,2,4,5-Tetrachlorobenzene	mg/kg	--	--	--	--	185	nc	--	--	--
	1,2-Diphenylhydrazine	mg/kg	--	--	--	--	2.2	ca	--	--	--
	1,4-Dioxane	mg/kg	--	--	--	--	157	ca	--	--	--
	2,2'-/4,4'-Dichlorobenzil	mg/kg	--	--	--	--	--	--	--	--	--
	2,4,5-Trichlorophenol	mg/kg	--	--	--	--	61561	nc	--	--	--
	2,4,6-Trichlorophenol	mg/kg	--	--	--	--	62	nc	157	--	--
	2,4-Dichlorophenol	mg/kg	--	--	--	--	1847	nc	--	--	--
	2,4-Dimethylphenol	mg/kg	--	--	--	--	12312	nc	--	--	--
	2,4-Dinitrophenol	mg/kg	--	--	--	--	1231	nc	--	--	--
	2,4-Dinitrotoluene	mg/kg	--	--	--	--	1231	nc	--	--	--
	2,6-Dinitrotoluene	mg/kg	--	--	--	--	615	nc	--	--	--
	2-Chloronaphthalene	mg/kg	--	--	--	--	23383	nc	--	--	--
	2-Chlorophenol	mg/kg	--	--	--	--	236	nc	--	--	--
	2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--
	2-Nitroaniline	mg/kg	--	--	--	--	1830	nc	--	--	--
	2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--
	3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	3.8	ca	--	--	--
	3-Methylphenol & 4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--
	3-Nitroaniline	mg/kg	--	--	--	--	82	ca	185	--	--
	4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--
	4-Chloro-3-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	mg/kg	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--
	Acenaphthene	mg/kg	--	--	--	--	29219	nc	--	--	--
	Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--	--
	Acetophenone	mg/kg	0.062	--	--	--	--	--	--	--	--
	Aniline	mg/kg	--	--	--	--	302	ca	4300	--	--
	Anthracene	mg/kg	0.041	--	--	--	100000	max	--	0.0000016	--
	Azobenzene	mg/kg	--	--	--	--	16	ca	--	--	--
	Benzenethiol	mg/kg	--	--	--	--	--	--	--	--	--
	Benzo(a)anthracene	mg/kg	0.83	--	--	--	2.1	ca	--	--	4 E-7
Benzo(a)pyrene	mg/kg	0.85	--	--	--	0.21	ca	--	--	4 E-6	

TABLE 1
SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY
TRONOX PARCEL F INVESTIGATION
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Parameter of Interest	Chemical	Result Unit	Max. Detect ^a	Max. Bkgrd ^d	Count of Detects > Bkgrd	Above Bkgrd? ^e	Industrial PRG ^c	PRG Basis	Secondary Industrial PRG ^c	Non-Cancer Hazard Index ^f	Incremental Lifetime Cancer Risk ^g
VOCs	Acetone	mg/kg	1.9	--	--	--	54321	nc	--	0.000035	--
	Acetonitrile	mg/kg	--	--	--	--	1818	nc	--	--	--
	Benzene	mg/kg	--	--	--	--	1.4	ca	117	--	--
	Bromobenzene	mg/kg	--	--	--	--	92	nc	--	--	--
	Bromodichloromethane	mg/kg	--	--	--	--	1.8	ca	811	--	--
	Bromomethane	mg/kg	--	--	--	--	13	nc	--	--	--
	Carbon disulfide	mg/kg	--	--	--	--	720	sat	--	--	--
	Carbon tetrachloride	mg/kg	--	--	--	--	0.55	ca	7.3	--	--
	CFC-11	mg/kg	--	--	--	--	2000	sat	--	--	--
	CFC-12	mg/kg	--	--	--	--	308	nc	--	--	--
	Chlorinated fluorocarbon (Freon 113)	mg/kg	--	--	--	--	5600	sat	--	--	--
	Chlorobenzene	mg/kg	--	--	--	--	530	nc	--	--	--
	Chlorobromomethane	mg/kg	--	--	--	--	--	--	--	--	--
	Chlorodibromomethane	mg/kg	--	--	--	--	2.6	ca	1533	--	--
	Chloroethane	mg/kg	--	--	--	--	6.5	ca	18447	--	--
	Chloroform	mg/kg	--	--	--	--	0.47	ca	187	--	--
	Chloromethane	mg/kg	--	--	--	--	156	nc	--	--	--
	cis-1,2-Dichloroethylene	mg/kg	--	--	--	--	146	nc	--	--	--
	cis-1,3-Dichloropropylene	mg/kg	--	--	--	--	1.8	ca	--	--	--
	Cymene	mg/kg	--	--	--	--	--	--	--	--	--
	Dibromomethane	mg/kg	--	--	--	--	234	nc	--	--	--
	Dichloromethane	mg/kg	--	--	--	--	20.5	ca	--	--	--
	Ethanol	mg/kg	--	--	--	--	--	--	--	--	--
	Ethylbenzene	mg/kg	0.00048	--	--	--	395	sat	--	0.00000076	--
	Hexane, 2-methyl-	mg/kg	--	--	--	--	--	--	--	--	--
	Isopropylbenzene	mg/kg	--	--	--	--	1978	nc	--	--	--
	m,p-Xylene	mg/kg	0.0026	--	--	--	--	--	--	--	--
	Methyl disulfide	mg/kg	--	--	--	--	--	--	--	--	--
	Methyl ethyl ketone	mg/kg	0.013	--	--	--	113264	nc	--	0.00000019	--
	Methyl iodide	mg/kg	--	--	--	--	--	--	--	--	--
	Methyl isobutyl ketone	mg/kg	--	--	--	--	47001	nc	--	--	--
	Methyl n-butyl ketone	mg/kg	0.0071	--	--	--	--	--	--	--	--
	MTBE (Methyl tert-butyl ether)	mg/kg	--	--	--	--	70	ca	20073	--	--
n-Butyl benzene	mg/kg	--	--	--	--	240	sat	--	--	--	
n-Heptane	mg/kg	--	--	--	--	--	--	--	--	--	
n-Propyl benzene	mg/kg	0.0014	--	--	--	240	sat	--	0.0000026	--	
o-Xylene	mg/kg	0.00083	--	--	--	--	--	--	--	--	
Styrene (monomer)	mg/kg	--	--	--	--	1700	sat	--	--	--	
tert-Butyl benzene	mg/kg	--	--	--	--	390	sat	--	--	--	
Tetrachloroethylene	mg/kg	--	--	--	--	1.3	ca	129	--	--	
Toluene	mg/kg	0.00047	--	--	--	520	sat	--	0.0000025	--	

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VOCs	trans-1,2-Dichloroethylene	mg/kg	--	--	--	--	235	nc	--	--	--
	trans-1,3-Dichloropropylene	mg/kg	--	--	--	--	1.8	ca	--	--	--
	Tribromomethane	mg/kg	--	--	--	--	218	ca	12312	--	--
	Trichloroethylene	mg/kg	--	--	--	--	6.5	ca	108	--	--
	Vinyl acetate	mg/kg	--	--	--	--	1396	nc	--	--	--
	Vinyl chloride	mg/kg	--	--	--	--	0.75	ca	144	--	--
	Xylenes (total)	mg/kg	0.0034	--	--	--	420	sat	--	0.000012	--
PCBs	Aroclor 1016	mg/kg	--	--	--	--	21	ca	37	--	--
	Aroclor 1221	mg/kg	--	--	--	--	0.74	ca	11	--	--
	Aroclor 1232	mg/kg	--	--	--	--	0.74	ca	11	--	--
	Aroclor 1242	mg/kg	--	--	--	--	0.74	ca	11	--	--
	Aroclor 1248	mg/kg	0.074	--	--	--	0.74	ca	11	0.0067	1 E-7
	Aroclor 1254	mg/kg	0.76	--	--	--	0.74	ca	11	0.069	1 E-6
	Aroclor 1260	mg/kg	--	--	--	--	0.74	ca	11	--	--
Total Non-Cancer Hazard Index:										1.7	--
Total Incremental Lifetime Cancer Risk - Non-Radionuclides:											1 E-5
Total Incremental Lifetime Cancer Risk - Radionuclides:											--

- a - Range of detections include estimated values of detect results between the detection limit and reporting limit. As such some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the data set.
- b - The quantitation limits shown include samples which had detections. For screening purposes, the detection limit was used for comparison to the screening levels.
- c - From USEPA Region 9 preliminary remediation goals (PRG) table, Oct. 2004 (and the 2007 USEPA radionuclide PRG webpage; <http://epa-prgs.ornl.gov/radionuclides>). Values used are industrial soil PRGs. Several chemicals have both cancer and non-cancer toxicity criteria. For these chemicals USEPA calculates PRGs for both cancer and non-cancer endpoints; however only the lower value is published in its PRG table. The other value is included in a separate spreadsheet table. This other value is shown on this table as the 'Secondary Industrial PRG' and is included in the screening-level risk assessment calculations.
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