

**TABLE 1**  
**SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY**  
**TRONOX PARCEL H INVESTIGATION**  
**CLARK COUNTY, NEVADA**  
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Parameter of Interest	Chemical	Result Unit	Total Count	Detect Count	Detect Frequency	Min. Detect <sup>a</sup>	Max. Detect <sup>a</sup>	Location of Max. Detect	Min. Non-Detect Limit <sup>b</sup>	Max. Non-Detect Limit <sup>b</sup>
Dioxins/Furans	TCDD TEQ <sup>h</sup>	pg/g	42	19	45%	0.19	6.9	TSB-HR-08 @ 10'	--	--
Asbestos <sup>i</sup>	Chrysotile	Structures	21	6	29%	1	8	TSB-HJ-09 @ 0'	--	--
	Amphibole	Structures	21	3	14%	1	2	TSB-HJ-09 @ 0'	--	--
General Chemistry	Bromide	mg/kg	42	5	12%	0.77	2.3	TSB-HR-03 @ 10'	2.6	2.8
	Bromine	mg/kg	42	5	12%	1.5	4.5	TSB-HR-03 @ 10'	1.1	5.5
	Chlorate	mg/kg	42	7	17%	1.2	10.3	TSB-HJ-06 @ 10'	5.2	5.5
	Chloride	mg/kg	42	40	95%	0.4	820	TSB-HJ-10 @ 0'	2.1	106
	Chlorine	mg/kg	42	40	95%	0.79	1640	TSB-HJ-10 @ 0'	0.87	212
	Fluoride	mg/kg	42	19	45%	0.58	1.7	TSB-HJ-10 @ 10'	1	1.1
	Nitrate (as N)	mg/kg	42	38	90%	0.26	39.4	TSB-HR-01 @ 10'	0.21	2.2
	Nitrite (as N)	mg/kg	42	1	2%	0.13	0.13	TSB-HR-03 @ 0'	0.21	0.22
	Orthophosphate as P	mg/kg	42	0	0%	--	--	--	5.2	5.5
	Perchlorate	mg/kg	42	35	83%	0.0024	22.2	TSB-HR-04 @ 0'	0.0104	1.04
Metals	Sulfate	mg/kg	42	39	93%	3.5	640	TSB-HR-04 @ 10'	5.2	54.7
	Aluminum	mg/kg	42	42	100%	4320	9970	TSB-HR-07 @ 10'	13	133
	Antimony	mg/kg	42	25	60%	0.15	0.24	TSB-HJ-03 @ 0'	1	5.4
	Arsenic	mg/kg	42	42	100%	1.3	5.2	TSB-HJ-01 @ 10'	2.1	10.9
	Barium	mg/kg	42	42	100%	97.2	275	TSB-HR-05 @ 10'	4.2	21.8
	Beryllium	mg/kg	42	42	100%	0.35	0.74	TSB-HR-07 @ 10'	0.26	2.7
	Boron	mg/kg	42	0	0%	--	--	--	26	265
	Cadmium	mg/kg	42	3	7%	0.14	0.15	TSB-HJ-01 @ 0'	0.13	1.3
	Calcium	mg/kg	42	42	100%	9250	158000	TSB-HR-05 @ 0'	130	2720
	Chromium (Total)	mg/kg	42	42	100%	5.7	14.8	TSB-HJ-09 @ 0'	2.1	10.9
	Cobalt	mg/kg	42	42	100%	4.7	9.5	TSB-HJ-09 @ 10'	0.42	2.2
	Copper	mg/kg	42	42	100%	7.2	23.8	TSB-HJ-06 @ 0'	2.6	26.5
	Iron	mg/kg	42	42	100%	7930	15700	TSB-HJ-09 @ 0'	26	265
	Lead	mg/kg	42	42	100%	4	14.1	TSB-HJ-01 @ 0'	0.63	3.3
	Lithium	mg/kg	42	20	48%	3.2	47.7	TSB-HJ-04 @ 10'	10.4	22.2
	Magnesium	mg/kg	42	42	100%	5680	17000	TSB-HJ-04 @ 10'	130	1330
	Manganese	mg/kg	42	42	100%	218	558	TSB-HJ-02 @ 0'	1	5.4
	Mercury	mg/kg	42	19	45%	0.0076	0.0332	TSB-HJ-04 @ 10'	0.0347	0.037
	Molybdenum	mg/kg	42	23	55%	0.16	1	TSB-HJ-06 @ 0'	1	5.4
	Nickel	mg/kg	42	42	100%	10.2	21.7	TSB-HJ-05 @ 0'	1	5.4
	Niobium	mg/kg	42	4	10%	5.7	11.7	TSB-HJ-05 @ 10'	5.2	27.2
	Palladium	mg/kg	42	41	98%	0.16	1	TSB-HR-04 @ 10'	0.26	5.4
	Phosphorus (as P)	mg/kg	42	42	100%	667	2020	TSB-HJ-10 @ 0'	130	2720
	Platinum	mg/kg	42	0	0%	--	--	--	0.26	2.7
	Potassium	mg/kg	42	42	100%	704	2530	TSB-HJ-07 @ 0'	26	265
	Selenium	mg/kg	42	0	0%	--	--	--	1	5.4
	Silicon	mg/kg	42	42	100%	73.3	578	TSB-HJ-11 @ 10'	52.1	272
	Silver	mg/kg	42	18	43%	0.078	0.13	TSB-HJ-02 @ 10'	0.42	2.2

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**TRONOX PARCEL H INVESTIGATION**  
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Parameter of Interest	Chemical	Result Unit	Total Count	Detect Count	Detect Frequency	Min. Detect <sup>a</sup>	Max. Detect <sup>a</sup>	Location of Max. Detect	Min. Non-Detect Limit <sup>b</sup>	Max. Non-Detect Limit <sup>b</sup>
Metals	Sodium	mg/kg	42	41	98%	159	1050	TSB-HJ-04 @ 10'	52.1	530
	Strontium	mg/kg	42	42	100%	77.1	500	TSB-HR-04 @ 10'	1	5.4
	Sulfur	mg/kg	42	2	5%	1310	2400	TSB-HJ-04 @ 10'	1040	2220
	Thallium	mg/kg	42	0	0%	--	--	--	0.42	2.2
	Tin	mg/kg	42	15	36%	0.064	0.66	TSB-HJ-09 @ 0'	0.42	2.2
	Titanium	mg/kg	42	42	100%	294	740	TSB-HJ-05 @ 10'	1.3	27.2
	Tungsten	mg/kg	42	0	0%	--	--	--	1.3	13.3
	Uranium	mg/kg	42	42	100%	0.6	2.4	TSB-HJ-06 @ 10'	0.26	2.7
	Vanadium	mg/kg	42	42	100%	28.2	49.7	TSB-HJ-09 @ 10'	2.1	10.9
	Zinc	mg/kg	42	42	100%	22.1	37.8	TSB-HJ-09 @ 0'	4.2	21.8
Zirconium	mg/kg	42	42	100%	9	26.4	TSB-HJ-09 @ 10'	20.9	109	
Organochlorine Pesticides	2,4-DDD	mg/kg	42	0	0%	--	--	--	0.0018	0.0019
	2,4-DDE	mg/kg	42	1	2%	0.014	0.014	TSB-HJ-09 @ 0'	0.0018	0.0019
	4,4-DDD	mg/kg	42	1	2%	0.0035	0.0035	TSB-HJ-09 @ 0'	0.0018	0.0019
	4,4-DDE	mg/kg	42	2	5%	0.0036	0.06	TSB-HJ-09 @ 0'	0.0018	0.019
	4,4-DDT	mg/kg	42	2	5%	0.0019	0.089	TSB-HJ-09 @ 0'	0.0018	0.019
	Aldrin	mg/kg	42	0	0%	--	--	--	0.0018	0.0019
	alpha-BHC	mg/kg	42	0	0%	--	--	--	0.0018	0.0019
	alpha-Chlordane	mg/kg	42	0	0%	--	--	--	0.0018	0.0019
	beta-BHC	mg/kg	42	3	7%	0.002	0.04	TSB-HJ-09 @ 0'	0.0018	0.0019
	Chlordane	mg/kg	42	0	0%	--	--	--	0.018	0.019
	delta-BHC	mg/kg	42	0	0%	--	--	--	0.0018	0.0019
	Dieldrin	mg/kg	42	0	0%	--	--	--	0.0018	0.0019
	Endosulfan I	mg/kg	42	0	0%	--	--	--	0.0018	0.0019
	Endosulfan II	mg/kg	42	0	0%	--	--	--	0.0018	0.0019
	Endosulfan sulfate	mg/kg	42	0	0%	--	--	--	0.0018	0.0019
	Endrin	mg/kg	42	0	0%	--	--	--	0.0018	0.0019
	Endrin aldehyde	mg/kg	42	0	0%	--	--	--	0.0018	0.0019
	Endrin ketone	mg/kg	42	0	0%	--	--	--	0.0018	0.0019
	gamma-Chlordane	mg/kg	42	0	0%	--	--	--	0.0018	0.0019
	Heptachlor	mg/kg	42	0	0%	--	--	--	0.0018	0.0019
Heptachlor epoxide	mg/kg	42	0	0%	--	--	--	0.0018	0.0019	
Lindane	mg/kg	42	0	0%	--	--	--	0.0018	0.0019	
Methoxychlor	mg/kg	42	0	0%	--	--	--	0.0034	0.0037	
Toxaphene	mg/kg	42	0	0%	--	--	--	0.07	0.074	
Petroleum Hydrocarbons	TPH (as Gasoline)	mg/kg	41	0	0%	--	--	--	0.1	0.11
	Oil/Grease	mg/kg	42	0	0%	--	--	--	208	222
	TPH (as Diesel)	mg/kg	42	2	5%	6.6	13	TSB-HR-07 @ 0'	26	28

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Parameter of Interest	Chemical	Result Unit	Total Count	Detect Count	Detect Frequency	Min. Detect <sup>a</sup>	Max. Detect <sup>a</sup>	Location of Max. Detect	Min. Non-Detect Limit <sup>b</sup>	Max. Non-Detect Limit <sup>b</sup>
Radionuclides	Radium-226	pCi/g	42	42	100%	0.698	2.46	TSB-HR-02 @ 10'	1	1
	Radium-228	pCi/g	42	42	100%	1.05	3.01	TSB-HJ-07 @ 0'	2	2
	Thorium-228	pCi/g	42	42	100%	1.52	2.92	TSB-HJ-11 @ 0'	0.1	0.1
	Thorium-230	pCi/g	42	42	100%	0.84	3.03	TSB-HR-03 @ 10'	0.1	0.1
	Thorium-232	pCi/g	42	42	100%	1.11	2.74	TSB-HJ-11 @ 0'	0.1	0.1
	Uranium-233/234	pCi/g	42	42	100%	0.937	3.52	TSB-HR-02 @ 10'	1	1
	Uranium-235/236	pCi/g	42	35	83%	0.0112	0.159	TSB-HR-02 @ 10'	1	1
	Uranium-238	pCi/g	42	41	98%	0.839	2.6	TSB-HR-03 @ 10'	1	1
SVOCs	1,2,4,5-Tetrachlorobenzene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	1,2-Diphenylhydrazine	mg/kg	42	0	0%	--	--	--	0.34	0.37
	1,4-Dioxane	mg/kg	42	0	0%	--	--	--	0.34	0.37
	2,4,5-Trichlorophenol	mg/kg	42	0	0%	--	--	--	0.34	0.37
	2,4,6-Trichlorophenol	mg/kg	42	0	0%	--	--	--	0.34	0.37
	2,4-Dichlorophenol	mg/kg	42	0	0%	--	--	--	0.34	0.37
	2,4-Dimethylphenol	mg/kg	42	0	0%	--	--	--	0.34	0.37
	2,4-Dinitrophenol	mg/kg	42	0	0%	--	--	--	1.7	1.8
	2,4-Dinitrotoluene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	2,6-Dinitrotoluene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	2-Chloronaphthalene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	2-Chlorophenol	mg/kg	42	0	0%	--	--	--	0.34	0.37
	2-Methylnaphthalene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	2-Nitroaniline	mg/kg	42	0	0%	--	--	--	1.7	1.8
	2-Nitrophenol	mg/kg	42	0	0%	--	--	--	0.34	0.37
	3,3'-Dichlorobenzidine	mg/kg	42	0	0%	--	--	--	1.7	1.8
	3-Methylphenol & 4-Methylphenol	mg/kg	42	0	0%	--	--	--	0.69	0.73
	3-Nitroaniline	mg/kg	42	0	0%	--	--	--	1.7	1.8
	4-Bromophenyl phenyl ether	mg/kg	42	0	0%	--	--	--	0.34	0.37
	4-Chloro-3-Methylphenol	mg/kg	42	0	0%	--	--	--	0.34	0.37
	4-Chlorophenyl phenyl ether	mg/kg	42	0	0%	--	--	--	0.34	0.37
	4-Chlorothioanisole	mg/kg	42	0	0%	--	--	--	0.34	0.37
	4-Nitrophenol	mg/kg	42	0	0%	--	--	--	1.7	1.8
	Acenaphthene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Acenaphthylene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Acetophenone	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Aniline	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Anthracene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Azobenzene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Benzenethiol	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Benzo(a)anthracene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Benzo(a)pyrene	mg/kg	42	0	0%	--	--	--	0.34	0.37
Benzo(b)fluoranthene	mg/kg	42	0	0%	--	--	--	0.34	0.37	

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Parameter of Interest	Chemical	Result Unit	Total Count	Detect Count	Detect Frequency	Min. Detect <sup>a</sup>	Max. Detect <sup>a</sup>	Location of Max. Detect	Min. Non-Detect Limit <sup>b</sup>	Max. Non-Detect Limit <sup>b</sup>
SVOCs	Benzo(g,h,i)perylene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Benzo(k)fluoranthene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Benzoic acid	mg/kg	42	0	0%	--	--	--	1.7	1.8
	Benzyl alcohol	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Benzyl butyl phthalate	mg/kg	42	1	2%	0.11	0.11	TSB-HJ-01 @ 10'	0.34	0.37
	bis(2-Chloroethoxy) methane	mg/kg	42	0	0%	--	--	--	0.34	0.37
	bis(2-Chloroethyl) ether	mg/kg	42	0	0%	--	--	--	0.34	0.37
	bis(2-Chloroisopropyl) ether	mg/kg	42	0	0%	--	--	--	0.34	0.37
	bis(2-Ethylhexyl) phthalate	mg/kg	42	1	2%	0.069	0.069	TSB-HJ-01 @ 10'	0.34	0.37
	bis(p-Chlorophenyl) disulfide	mg/kg	42	0	0%	--	--	--	0.34	0.37
	bis(p-Chlorophenyl) sulfone	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Carbazole	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Chrysene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Dibenzo(a,h)anthracene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Dibenzofuran	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Dibutyl phthalate	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Diethyl phthalate	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Dimethyl phthalate	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Di-n-octyl phthalate	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Diphenyl sulfone	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Fluoranthene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Fluorene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Hexachloro-1,3-butadiene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Hexachlorobenzene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Hexachlorocyclopentadiene	mg/kg	42	0	0%	--	--	--	1.7	1.8
	Hexachloroethane	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Hydroxymethyl phthalimide	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Indeno(1,2,3-cd)pyrene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Isophorone	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Naphthalene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Nitrobenzene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	N-nitrosodi-n-propylamine	mg/kg	42	0	0%	--	--	--	0.34	0.37
	N-nitrosodiphenylamine	mg/kg	42	0	0%	--	--	--	0.34	0.37
	o-Cresol	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Octachlorostyrene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	p-Chloroaniline	mg/kg	42	0	0%	--	--	--	0.34	0.37
	p-Chlorothiophenol	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Pentachlorobenzene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Pentachlorophenol	mg/kg	42	0	0%	--	--	--	1.7	1.8
	Phenanthrene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Phenol	mg/kg	42	0	0%	--	--	--	0.34	0.37

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SVOCs	Phenyl Disulfide	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Phenyl Sulfide	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Phthalic acid	mg/kg	42	0	0%	--	--	--	1.7	1.8
	p-Nitroaniline	mg/kg	42	0	0%	--	--	--	1.7	1.8
	Pyrene	mg/kg	42	0	0%	--	--	--	0.34	0.37
	Pyridine	mg/kg	42	0	0%	--	--	--	0.69	0.73
VOCs	1,1,1,2-Tetrachloroethane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,1,1-Trichloroethane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,1,2,2-Tetrachloroethane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,1,2-Trichloroethane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,1-Dichloroethane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,1-Dichloroethylene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,1-Dichloropropene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,2,3-Trichlorobenzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,2,3-Trichloropropane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,2,4-Trichlorobenzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,2,4-Trimethylbenzene	mg/kg	42	8	19%	0.00038	0.00055	TSB-HJ-04 @ 10'	0.0052	0.0055
	1,2-Dibromo-3-chloropropane (DBC)	mg/kg	42	0	0%	--	--	--	0.01	0.011
	1,2-Dichlorobenzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,2-Dichloroethane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,2-Dichloroethylene	mg/kg	42	0	0%	--	--	--	0.01	0.011
	1,2-Dichloropropane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,3,5-Trichlorobenzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,3,5-Trimethylbenzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,3-Dichlorobenzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,3-Dichloropropane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1,4-Dichlorobenzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	1-Nonanal	mg/kg	42	0	0%	--	--	--	0.01	0.011
	2,2,3-Trimethylbutane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	2,2-Dichloropropane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	2,2-Dimethylpentane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	2,3-Dimethylpentane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	2,4-Dimethylpentane	mg/kg	42	0	0%	--	--	--	0.021	0.022
	2-Chlorotoluene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	2-Nitropropane	mg/kg	42	0	0%	--	--	--	0.01	0.011
	2-Phenylbutane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	3,3-dimethylpentane	mg/kg	42	0	0%	--	--	--	0.01	0.011
	3-ethylpentane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
3-Methylhexane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055	
4-Chlorotoluene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055	
Acetone	mg/kg	42	9	21%	0.0062	0.019	TSB-HJ-07 @ 10'	0.021	0.022	

**TABLE 1**  
**SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY**  
**TRONOX PARCEL H INVESTIGATION**  
**CLARK COUNTY, NEVADA**  
(Page 6 of 21)

Parameter of Interest	Chemical	Result Unit	Total Count	Detect Count	Detect Frequency	Min. Detect <sup>a</sup>	Max. Detect <sup>a</sup>	Location of Max. Detect	Min. Non-Detect Limit <sup>b</sup>	Max. Non-Detect Limit <sup>b</sup>
VOCs	Acetonitrile	mg/kg	42	1	2%	0.021	0.021	TSB-HR-03 @ 10'	0.052	0.055
	Benzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Bromobenzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Bromodichloromethane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Bromomethane	mg/kg	42	0	0%	--	--	--	0.01	0.011
	Carbon disulfide	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Carbon tetrachloride	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	CFC-11	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	CFC-12	mg/kg	42	0	0%	--	--	--	0.01	0.011
	Chlorinated fluorocarbon (Freon 113)	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Chlorobenzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Chlorobromomethane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Chlorodibromomethane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Chloroethane	mg/kg	42	0	0%	--	--	--	0.01	0.011
	Chloroform	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Chloromethane	mg/kg	42	0	0%	--	--	--	0.01	0.011
	cis-1,2-Dichloroethylene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	cis-1,3-Dichloropropylene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Cymene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Dibromomethane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Dichloromethane	mg/kg	42	10	24%	0.0035	0.017	TSB-HJ-05 @ 10'	0.0052	0.0055
	Ethanol	mg/kg	42	0	0%	--	--	--	0.26	0.28
	Ethylbenzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Hexane, 2-methyl-	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Isopropylbenzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	m,p-Xylene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Methyl disulfide	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Methyl ethyl ketone	mg/kg	42	0	0%	--	--	--	0.021	0.022
	Methyl iodide	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Methyl isobutyl ketone	mg/kg	42	0	0%	--	--	--	0.021	0.022
	Methyl n-butyl ketone	mg/kg	42	0	0%	--	--	--	0.021	0.022
	MTBE (Methyl tert-butyl ether)	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	n-Butyl benzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	n-Heptane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	n-Propyl benzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	o-Xylene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Styrene (monomer)	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	tert-Butyl benzene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Tetrachloroethylene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Toluene	mg/kg	42	5	12%	0.00054	0.0017	TSB-HJ-08 @ 10'	0.0052	0.0055
trans-1,2-Dichloroethylene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055	

**TABLE 1**  
**SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY**  
**TRONOX PARCEL H INVESTIGATION**  
**CLARK COUNTY, NEVADA**  
**(Page 7 of 21)**

Parameter of Interest	Chemical	Result Unit	Total Count	Detect Count	Detect Frequency	Min. Detect <sup>a</sup>	Max. Detect <sup>a</sup>	Location of Max. Detect	Min. Non-Detect Limit <sup>b</sup>	Max. Non-Detect Limit <sup>b</sup>
VOCs	trans-1,3-Dichloropropylene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Tribromomethane	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Trichloroethylene	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Vinyl acetate	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Vinyl chloride	mg/kg	42	0	0%	--	--	--	0.0052	0.0055
	Xylenes (total)	mg/kg	42	0	0%	--	--	--	0.01	0.011
PCBs	Aroclor 1016	mg/kg	42	0	0%	--	--	--	0.034	0.037
	Aroclor 1221	mg/kg	42	0	0%	--	--	--	0.034	0.037
	Aroclor 1232	mg/kg	42	0	0%	--	--	--	0.034	0.037
	Aroclor 1242	mg/kg	42	0	0%	--	--	--	0.034	0.037
	Aroclor 1248	mg/kg	42	0	0%	--	--	--	0.034	0.037
	Aroclor 1254	mg/kg	42	0	0%	--	--	--	0.034	0.037
	Aroclor 1260	mg/kg	42	0	0%	--	--	--	0.034	0.037

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 H INVESTIGATION**  
**CLARK COUNTY, NEVADA**  
**(Page 8 of 21)**

Parameter of Interest	Chemical	Result Unit	Max. Detect <sup>a</sup>	Industrial PRG <sup>c</sup>	PRG Basis	Secondary Industrial PRG <sup>c</sup>	Count of Detects > PRG	SSL (DAF = 20) <sup>c</sup>	Count of Detects > SSL (20)	SSL (DAF = 1) <sup>c</sup>	Count of Detects > SSL (1)
Dioxins/Furans	TCDD TEQ <sup>h</sup>	pg/g	6.9	1000	ca	--	0	--	--	--	--
Asbestos <sup>i</sup>	Chrysotile	Structures	8	--	--	--	--	--	--	--	--
	Amphibole	Structures	2	--	--	--	--	--	--	--	--
General Chemistry	Bromide	mg/kg	2.3	--	--	--	--	--	--	--	--
	Bromine	mg/kg	4.5	--	--	--	--	--	--	--	--
	Chlorate	mg/kg	10.3	--	--	--	--	--	--	--	--
	Chloride	mg/kg	820	--	--	--	--	--	--	--	--
	Chlorine	mg/kg	1640	--	--	--	--	--	--	--	--
	Fluoride	mg/kg	1.7	36938	nc	--	0	--	--	--	--
	Nitrate (as N)	mg/kg	39.4	--	--	--	--	--	--	--	--
	Nitrite (as N)	mg/kg	0.13	--	--	--	--	--	--	--	--
	Orthophosphate as P	mg/kg	--	--	--	--	--	--	--	--	--
	Perchlorate	mg/kg	22.2	102	nc	--	0	--	--	--	--
Sulfate	mg/kg	640	--	--	--	--	--	--	--	--	
Metals	Aluminum	mg/kg	9970	100000	max	--	0	--	--	--	--
	Antimony	mg/kg	0.24	409	nc	--	0	5	0	0.3	0
	Arsenic	mg/kg	5.2	1.6	ca	256	35	29	0	1	42
	Barium	mg/kg	275	66577	nc	--	0	1600	0	82	42
	Beryllium	mg/kg	0.74	1941	ca	2241	0	63	0	3	0
	Boron	mg/kg	--	100000	max	--	--	--	--	--	--
	Cadmium	mg/kg	0.15	451	nc	2989	0	8	0	0.4	0
	Calcium	mg/kg	158000	--	--	--	--	--	--	--	--
	Chromium (Total)	mg/kg	14.8	100000	nc	--	0	--	--	--	--
	Cobalt	mg/kg	9.5	1921	ca	13330	0	--	--	--	--
	Copper	mg/kg	23.8	40877	nc	--	0	--	--	--	--
	Iron	mg/kg	15700	100000	max	--	0	--	--	--	--
	Lead	mg/kg	14.1	800	nc	--	0	--	--	--	--
	Lithium	mg/kg	47.7	20439	--	--	--	--	--	--	--
	Magnesium	mg/kg	17000	--	--	--	--	--	--	--	--
	Manganese	mg/kg	558	19458	nc	--	0	--	--	--	--
	Mercury	mg/kg	0.0332	307	nc	--	0	--	--	--	--
	Molybdenum	mg/kg	1	5110	nc	--	0	--	--	--	--
	Nickel	mg/kg	21.7	20439	nc	--	0	130	0	7	42
	Niobium	mg/kg	11.7	--	--	--	--	--	--	--	--
	Palladium	mg/kg	1	--	--	--	--	--	--	--	--
	Phosphorus (as P)	mg/kg	2020	--	--	--	--	--	--	--	--
	Platinum	mg/kg	--	--	--	--	--	--	--	--	--
	Potassium	mg/kg	2530	--	--	--	--	--	--	--	--
	Selenium	mg/kg	--	5110	nc	--	--	5	--	0.3	--
	Silicon	mg/kg	578	--	--	--	--	--	--	--	--
	Silver	mg/kg	0.13	5110	nc	--	0	34	0	2	0





**TABLE 1**  
**SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY**  
**TRONOX PARCEL H INVESTIGATION**  
**CLARK COUNTY, NEVADA**  
 (Page 10 of 21)

Parameter of Interest	Chemical	Result Unit	Max. Detect <sup>a</sup>	Industrial PRG <sup>c</sup>	PRG Basis	Secondary Industrial PRG <sup>c</sup>	Count of Detects > PRG	SSL (DAF = 20) <sup>c</sup>	Count of Detects > SSL (20)	SSL (DAF = 1) <sup>c</sup>	Count of Detects > SSL (1)
Radionuclides	Radium-226	pCi/g	2.46	0.026	ca	--	42	0.32	42	0.016	42
	Radium-228	pCi/g	3.01	0.15	ca	--	42	1.2	37	0.059	42
	Thorium-228	pCi/g	2.92	0.26	ca	--	42	66	0	3.3	0
	Thorium-230	pCi/g	3.03	20	ca	--	0	6.1	0	0.3	42
	Thorium-232	pCi/g	2.74	19	ca	--	0	6.1	0	0.3	42
	Uranium-233/234	pCi/g	3.52	32	ca	--	0	2240	0	112	0
	Uranium-235/236	pCi/g	0.159	0.4	ca	--	0	0.78	0	0.039	31
Uranium-238	pCi/g	2.6	1.8	ca	--	11	0.12	41	0.006	41	
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	--	--	--	--	--	--
	2,4,5-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	--	4E-05	--
	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	--	--	--	--	--	--	--	--	--
	Aniline	mg/kg	--	302	ca	4300	--	--	--	--	--
	Anthracene	mg/kg	--	100000	max	--	--	12000	--	590	--
	Azobenzene	mg/kg	--	16	ca	--	--	--	--	--	--
	Benzenethiol	mg/kg	--	--	--	--	--	--	--	--	--
	Benzo(a)anthracene	mg/kg	--	2.1	ca	--	--	2	--	0.08	--
	Benzo(a)pyrene	mg/kg	--	0.21	ca	--	--	8	--	0.4	--
Benzo(b)fluoranthene	mg/kg	--	2.1	ca	--	--	5	--	0.2	--	

**TABLE 1**  
**SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY**  
**TRONOX PARCEL H INVESTIGATION**  
**CLARK COUNTY, NEVADA**  
**(Page 11 of 21)**

Parameter of Interest	Chemical	Result Unit	Max. Detect <sup>a</sup>	Industrial PRG <sup>c</sup>	PRG Basis	Secondary Industrial PRG <sup>c</sup>	Count of Detects > PRG	SSL (DAF = 20) <sup>c</sup>	Count of Detects > SSL (20)	SSL (DAF = 1) <sup>c</sup>	Count of Detects > SSL (1)
SVOCs	Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	--	--	--	--
	Benzo(k)fluoranthene	mg/kg	--	21	ca	--	--	49	--	2	--
	Benzoic acid	mg/kg	--	100000	max	--	--	400	--	20	--
	Benzyl alcohol	mg/kg	--	100000	max	--	--	--	--	--	--
	Benzyl butyl phthalate	mg/kg	0.11	100000	max	--	0	930	0	810	0
	bis(2-Chloroethoxy) methane	mg/kg	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	mg/kg	--	0.58	ca	--	--	0.0004	--	0.00002	--
	bis(2-Chloroisopropyl) ether	mg/kg	--	7.4	ca	4039	--	--	--	--	--
	bis(2-Ethylhexyl) phthalate	mg/kg	0.069	123	ca	12312	0	--	0	--	0
	bis(p-Chlorophenyl) disulfide	mg/kg	--	--	--	--	--	--	--	--	--
	bis(p-Chlorophenyl) sulfone	mg/kg	--	5109	nc	--	--	--	--	--	--
	Carbazole	mg/kg	--	86	ca	--	--	0.6	--	0.03	--
	Chrysene	mg/kg	--	211	ca	--	--	160	--	8	--
	Dibenzo(a,h)anthracene	mg/kg	--	0.21	ca	--	--	2	--	0.08	--
	Dibenzofuran	mg/kg	--	1563	nc	--	--	--	--	--	--
	Dibutyl phthalate	mg/kg	--	61561	nc	--	--	2300	--	270	--
	Diethyl phthalate	mg/kg	--	100000	max	--	--	--	--	--	--
	Dimethyl phthalate	mg/kg	--	100000	max	--	--	--	--	--	--
	Di-n-octyl phthalate	mg/kg	--	24624	nc	--	--	10000	--	10000	--
	Diphenyl sulfone	mg/kg	--	1847	nc	--	--	--	--	--	--
	Fluoranthene	mg/kg	--	22000	nc	--	--	4300	--	210	--
	Fluorene	mg/kg	--	26281	nc	--	--	560	--	28	--
	Hexachloro-1,3-butadiene	mg/kg	--	22	ca	185	--	2	--	0.1	--
	Hexachlorobenzene	mg/kg	--	1.1	ca	492	--	2	--	0.1	--
	Hexachlorocyclopentadiene	mg/kg	--	3659	nc	--	--	400	--	20	--
	Hexachloroethane	mg/kg	--	123	ca	616	--	0.5	--	0.02	--
	Hydroxymethyl phthalimide	mg/kg	--	--	--	--	--	--	--	--	--
	Indeno(1,2,3-cd)pyrene	mg/kg	--	2.1	ca	--	--	14	--	0.7	--
	Isophorone	mg/kg	--	512	ca	123121	--	0.5	--	0.03	--
	Naphthalene	mg/kg	--	188	nc	--	--	84	--	4	--
	Nitrobenzene	mg/kg	--	103	nc	--	--	0.1	--	0.007	--
	N-nitrosodi-n-propylamine	mg/kg	--	0.25	ca	--	--	0.00005	--	0.000002	--
	N-nitrosodiphenylamine	mg/kg	--	352	ca	12312	--	1	--	0.06	--
	o-Cresol	mg/kg	--	30780	nc	--	--	15	--	0.8	--
	Octachlorostyrene	mg/kg	--	--	--	--	--	--	--	--	--
	p-Chloroaniline	mg/kg	--	2462	nc	--	--	0.7	--	0.03	--
	p-Chlorothiophenol	mg/kg	--	--	--	--	--	--	--	--	--
	Pentachlorobenzene	mg/kg	--	492	nc	--	--	--	--	--	--
	Pentachlorophenol	mg/kg	--	9	ca	11569	--	0.03	--	0.001	--
	Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--
Phenol	mg/kg	--	100000	max	--	--	100	--	5	--	

**TABLE 1**  
**SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY**  
**TRONOX PARCEL H INVESTIGATION**  
**CLARK COUNTY, NEVADA**  
 (Page 12 of 21)

Parameter of Interest	Chemical	Result Unit	Max. Detect <sup>a</sup>	Industrial PRG <sup>c</sup>	PRG Basis	Secondary Industrial PRG <sup>c</sup>	Count of Detects > PRG	SSL (DAF = 20) <sup>c</sup>	Count of Detects > SSL (20)	SSL (DAF = 1) <sup>c</sup>	Count of Detects > SSL (1)
SVOCs	Phenyl Disulfide	mg/kg	--	--	--	--	--	--	--	--	--
	Phenyl Sulfide	mg/kg	--	--	--	--	--	--	--	--	--
	Phthalic acid	mg/kg	--	100000	max	--	--	--	--	--	--
	p-Nitroaniline	mg/kg	--	82	ca	1846	--	--	--	--	--
	Pyrene	mg/kg	--	29126	nc	--	--	4200	--	210	--
	Pyridine	mg/kg	--	616	nc	--	--	--	--	--	--
VOCs	1,1,1,2-Tetrachloroethane	mg/kg	--	7.3	ca	2019	--	--	--	--	--
	1,1,1-Trichloroethane	mg/kg	--	1200	sat	--	--	2	--	0.1	--
	1,1,2,2-Tetrachloroethane	mg/kg	--	0.93	ca	4039	--	0.003	--	0.0002	--
	1,1,2-Trichloroethane	mg/kg	--	1.6	ca	128	--	0.02	--	0.0009	--
	1,1-Dichloroethane	mg/kg	--	1739	nc	--	--	23	--	1	--
	1,1-Dichloroethylene	mg/kg	--	413	nc	--	--	0.06	--	0.003	--
	1,1-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--
	1,2,3-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--
	1,2,3-Trichloropropane	mg/kg	--	0.076	ca	79	--	--	--	--	--
	1,2,4-Trichlorobenzene	mg/kg	--	216	nc	--	--	5	--	0.3	--
	1,2,4-Trimethylbenzene	mg/kg	0.00055	170	nc	--	0	--	--	--	--
	1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	--	2	ca	11	--	--	--	--	--
	1,2-Dichlorobenzene	mg/kg	--	600	sat	--	--	17	--	0.9	--
	1,2-Dichloroethane	mg/kg	--	0.6	ca	28	--	0.02	--	0.001	--
	1,2-Dichloroethylene	mg/kg	--	--	--	--	--	--	--	--	--
	1,2-Dichloropropane	mg/kg	--	0.74	ca	21	--	0.03	--	0.001	--
	1,3,5-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--
	1,3,5-Trimethylbenzene	mg/kg	--	70	nc	--	--	--	--	--	--
	1,3-Dichlorobenzene	mg/kg	--	600	sat	--	--	--	--	--	--
	1,3-Dichloropropane	mg/kg	--	361	nc	--	--	--	--	--	--
	1,4-Dichlorobenzene	mg/kg	--	7.9	ca	10171	--	2	--	0.1	--
	1-Nonanal	mg/kg	--	--	--	--	--	--	--	--	--
	2,2,3-Trimethylbutane	mg/kg	--	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--
	2,2-Dimethylpentane	mg/kg	--	--	--	--	--	--	--	--	--
	2,3-Dimethylpentane	mg/kg	--	--	--	--	--	--	--	--	--
	2,4-Dimethylpentane	mg/kg	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	mg/kg	--	560	nc	--	--	--	--	--	--
	2-Nitropropane	mg/kg	--	--	--	--	--	--	--	--	--
	2-Phenylbutane	mg/kg	--	220	sat	--	--	--	--	--	--
	3,3-dimethylpentane	mg/kg	--	--	--	--	--	--	--	--	--
	3-ethylpentane	mg/kg	--	--	--	--	--	--	--	--	--
	3-Methylhexane	mg/kg	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	mg/kg	--	--	--	--	--	--	--	--	--	
Acetone	mg/kg	0.019	54321	nc	--	0	16	0	0.8	0	

**TABLE 1**  
**SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY**  
**TRONOX PARCEL H INVESTIGATION**  
**CLARK COUNTY, NEVADA**  
 (Page 13 of 21)

Parameter of Interest	Chemical	Result Unit	Max. Detect <sup>a</sup>	Industrial PRG <sup>c</sup>	PRG Basis	Secondary Industrial PRG <sup>c</sup>	Count of Detects > PRG	SSL (DAF = 20) <sup>c</sup>	Count of Detects > SSL (20)	SSL (DAF = 1) <sup>c</sup>	Count of Detects > SSL (1)	
VOCs	Acetonitrile	mg/kg	0.021	1818	nc	--	0	--	--	--	--	
	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 11)	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	0.017	20.5	ca	--	--	0	0.02	0	0.001	10
	Ethanol	mg/kg	--	--	--	--	--	--	--	--	--	--
	Ethylbenzene	mg/kg	--	395	sat	--	--	--	13	--	0.7	--
	Hexane, 2-methyl-	mg/kg	--	--	--	--	--	--	--	--	--	--
	Isopropylbenzene	mg/kg	--	1978	nc	--	--	--	--	--	--	--
	m,p-Xylene	mg/kg	--	--	--	--	--	--	--	--	--	--
	Methyl disulfide	mg/kg	--	--	--	--	--	--	--	--	--	--
	Methyl ethyl ketone	mg/kg	--	113264	nc	--	--	--	--	--	--	--
	Methyl iodide	mg/kg	--	--	--	--	--	--	--	--	--	--
	Methyl isobutyl ketone	mg/kg	--	47001	nc	--	--	--	--	--	--	--
	Methyl n-butyl ketone	mg/kg	--	--	--	--	--	--	--	--	--	--
	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	--	240	sat	--	--	--	--	--	--	--
	o-Xylene	mg/kg	--	--	--	--	--	--	--	--	--	--
	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	0.0017	520	sat	--	--	0	12	0	0.6	0
trans-1,2-Dichloroethylene	mg/kg	--	235	nc	--	--	--	0.7	--	0.03	--	

**TABLE 1**  
**SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY**  
**TRONOX PARCEL H INVESTIGATION**  
**CLARK COUNTY, NEVADA**  
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Parameter of Interest	Chemical	Result Unit	Max. Detect <sup>a</sup>	Industrial PRG <sup>c</sup>	PRG Basis	Secondary Industrial PRG <sup>c</sup>	Count of Detects > PRG	SSL (DAF = 20) <sup>c</sup>	Count of Detects > SSL (20)	SSL (DAF = 1) <sup>c</sup>	Count of Detects > SSL (1)
VOCs	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	--	420	sat	--	--	210	--	10	--
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	--	0.74	ca	11	--	--	--	--	--
	Aroclor 1254	mg/kg	--	0.74	ca	11	--	--	--	--	--
	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 H INVESTIGATION**  
**CLARK COUNTY, NEVADA**  
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Parameter of Interest	Chemical	Result Unit	Max. Detect <sup>a</sup>	Max. Bkgrd <sup>d</sup>	Count of Detects > Bkgrd	Above Bkgrd? <sup>e</sup>	Industrial PRG <sup>c</sup>	PRG Basis	Secondary Industrial PRG <sup>c</sup>	Non-Cancer Hazard Index <sup>f</sup>	Incremental Lifetime Cancer Risk <sup>g</sup>
Dioxins/Furans	TCDD TEQ <sup>h</sup>	pg/g	6.9	--	--	--	1000	ca	--	--	7 E-9
Asbestos <sup>i</sup>	Chrysotile	Structures	8	--	--	--	--	--	--	--	See Asbestos Risk Calc. Table
	Amphibole	Structures	2	--	--	--	--	--	--	--	
General Chemistry	Bromide	mg/kg	2.3	--	--	--	--	--	--	--	--
	Bromine	mg/kg	4.5	--	--	--	--	--	--	--	--
	Chlorate	mg/kg	10.3	--	--	--	--	--	--	--	--
	Chloride	mg/kg	820	1110	0	--	--	--	--	--	--
	Chlorine	mg/kg	1640	--	--	--	--	--	--	--	--
	Fluoride	mg/kg	1.7	2.5	0	--	36938	nc	--	0.000046	--
	Nitrate (as N)	mg/kg	39.4	102	0	--	--	--	--	--	--
	Nitrite (as N)	mg/kg	0.13	0.21	0	--	--	--	--	--	--
	Orthophosphate as P	mg/kg	--	--	--	--	--	--	--	--	--
	Perchlorate	mg/kg	22.2	--	--	--	102	nc	--	0.22	--
Sulfate	mg/kg	640	4130	0	--	--	--	--	--	--	
Metals	Aluminum	mg/kg	9970	15300	0	No	100000	max	--	--	--
	Antimony	mg/kg	0.24	0.5	0	No	409	nc	--	--	--
	Arsenic	mg/kg	5.2	7.2	0	No	1.6	ca	256	--	--
	Barium	mg/kg	275	836	0	No	66577	nc	--	--	--
	Beryllium	mg/kg	0.74	0.89	0	No	1941	ca	2241	--	--
	Boron	mg/kg	--	11.6	--	No	100000	max	--	--	--
	Cadmium	mg/kg	0.15	0.16	0	Yes	451	nc	2989	0.0029	4 E-10
	Calcium	mg/kg	158000	82800	1	No	--	--	--	--	--
	Chromium (Total)	mg/kg	14.8	16.7	0	Yes	100000	nc	--	0.000097	--
	Cobalt	mg/kg	9.5	16.3	0	No	1921	ca	13330	--	--
	Copper	mg/kg	23.8	30.5	0	No	40877	nc	--	--	--
	Iron	mg/kg	15700	19700	0	No	100000	max	--	--	--
	Lead	mg/kg	14.1	35.1	0	No	800	nc	--	--	--
	Lithium	mg/kg	47.7	26.5	4	No	20439	--	--	--	--
	Magnesium	mg/kg	17000	17500	0	No	--	--	--	--	--
	Manganese	mg/kg	558	1090	0	No	19458	nc	--	--	--
	Mercury	mg/kg	0.0332	0.11	0	No	307	nc	--	--	--
	Molybdenum	mg/kg	1	2	0	No	5110	nc	--	--	--
	Nickel	mg/kg	21.7	30	0	No	20439	nc	--	--	--
	Niobium	mg/kg	11.7	2.8	4	Yes	--	--	--	--	--
	Palladium	mg/kg	1	1.5	0	No	--	--	--	--	--
	Phosphorus (as P)	mg/kg	2020	--	--	No	--	--	--	--	--
	Platinum	mg/kg	--	0.099	--	No	--	--	--	--	--
	Potassium	mg/kg	2530	3890	0	No	--	--	--	--	--
	Selenium	mg/kg	--	0.6	--	No	5110	nc	--	--	--
	Silicon	mg/kg	578	4150	0	No	--	--	--	--	--
	Silver	mg/kg	0.13	0.2609	0	Yes	5110	nc	--	0.00043	--





**TABLE 1**  
**SOIL DATA AND SCREENING-LEVEL RISK ASSESSMENT RESULTS SUMMARY**  
**TRONOX PARCEL H INVESTIGATION**  
**CLARK COUNTY, NEVADA**  
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Parameter of Interest	Chemical	Result Unit	Max. Detect <sup>a</sup>	Max. Bkgrd <sup>d</sup>	Count of Detects > Bkgrd	Above Bkgrd? <sup>e</sup>	Industrial PRG <sup>c</sup>	PRG Basis	Secondary Industrial PRG <sup>c</sup>	Non-Cancer Hazard Index <sup>f</sup>	Incremental Lifetime Cancer Risk <sup>g</sup>
Radionuclides	Radium-226	pCi/g	2.46	2.36	2	Yes	0.026	ca	--	--	9 E-5
	Radium-228	pCi/g	3.01	2.94	1	No	0.15	ca	--	--	--
	Thorium-228	pCi/g	2.92	2.28	9	Yes	0.26	ca	--	--	1 E-5
	Thorium-230	pCi/g	3.03	3.01	2	Yes	20	ca	--	--	2 E-7
	Thorium-232	pCi/g	2.74	2.23	3	Yes	19	ca	--	--	1 E-7
	Uranium-233/234	pCi/g	3.52	2.84	5	Yes	32	ca	--	--	1 E-7
	Uranium-235/236	pCi/g	0.159	0.21	0	No	0.4	ca	--	--	--
Uranium-238	pCi/g	2.6	2.37	4	Yes	1.8	ca	--	--	1 E-6	
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	--	--	--
	2,4,5-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	--	--	--	--	--	--	--	--	--
	Aniline	mg/kg	--	--	--	--	302	ca	4300	--	--
	Anthracene	mg/kg	--	--	--	--	100000	max	--	--	--
	Azobenzene	mg/kg	--	--	--	--	16	ca	--	--	--
	Benzenethiol	mg/kg	--	--	--	--	--	--	--	--	--
	Benzo(a)anthracene	mg/kg	--	--	--	--	2.1	ca	--	--	--
	Benzo(a)pyrene	mg/kg	--	--	--	--	0.21	ca	--	--	--
Benzo(b)fluoranthene	mg/kg	--	--	--	--	2.1	ca	--	--	--	

**TABLE 1**  
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**TRONOX PARCEL H INVESTIGATION**  
**CLARK COUNTY, NEVADA**  
 (Page 18 of 21)

Parameter of Interest	Chemical	Result Unit	Max. Detect <sup>a</sup>	Max. Bkgrd <sup>d</sup>	Count of Detects > Bkgrd	Above Bkgrd? <sup>e</sup>	Industrial PRG <sup>c</sup>	PRG Basis	Secondary Industrial PRG <sup>c</sup>	Non-Cancer Hazard Index <sup>f</sup>	Incremental Lifetime Cancer Risk <sup>g</sup>
SVOCs	Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	--	--	--	--
	Benzo(k)fluoranthene	mg/kg	--	--	--	--	21	ca	--	--	--
	Benzoic acid	mg/kg	--	--	--	--	100000	max	--	--	--
	Benzyl alcohol	mg/kg	--	--	--	--	100000	max	--	--	--
	Benzyl butyl phthalate	mg/kg	0.11	--	--	--	100000	max	--	0.000030	--
	bis(2-Chloroethoxy) methane	mg/kg	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	mg/kg	--	--	--	--	0.58	ca	--	--	--
	bis(2-Chloroisopropyl) ether	mg/kg	--	--	--	--	7.4	ca	4039	--	--
	bis(2-Ethylhexyl) phthalate	mg/kg	0.069	--	--	--	123	ca	12312	0.000030	3 E-9
	bis(p-Chlorophenyl) disulfide	mg/kg	--	--	--	--	--	--	--	--	--
	bis(p-Chlorophenyl) sulfone	mg/kg	--	--	--	--	5109	nc	--	--	--
	Carbazole	mg/kg	--	--	--	--	86	ca	--	--	--
	Chrysene	mg/kg	--	--	--	--	211	ca	--	--	--
	Dibenzo(a,h)anthracene	mg/kg	--	--	--	--	0.21	ca	--	--	--
	Dibenzofuran	mg/kg	--	--	--	--	1563	nc	--	--	--
	Dibutyl phthalate	mg/kg	--	--	--	--	61561	nc	--	--	--
	Diethyl phthalate	mg/kg	--	--	--	--	100000	max	--	--	--
	Dimethyl phthalate	mg/kg	--	--	--	--	100000	max	--	--	--
	Di-n-octyl phthalate	mg/kg	--	--	--	--	24624	nc	--	--	--
	Diphenyl sulfone	mg/kg	--	--	--	--	1847	nc	--	--	--
	Fluoranthene	mg/kg	--	--	--	--	22000	nc	--	--	--
	Fluorene	mg/kg	--	--	--	--	26281	nc	--	--	--
	Hexachloro-1,3-butadiene	mg/kg	--	--	--	--	22	ca	185	--	--
	Hexachlorobenzene	mg/kg	--	--	--	--	1.1	ca	492	--	--
	Hexachlorocyclopentadiene	mg/kg	--	--	--	--	3659	nc	--	--	--
	Hexachloroethane	mg/kg	--	--	--	--	123	ca	616	--	--
	Hydroxymethyl phthalimide	mg/kg	--	--	--	--	--	--	--	--	--
	Indeno(1,2,3-cd)pyrene	mg/kg	--	--	--	--	2.1	ca	--	--	--
	Isophorone	mg/kg	--	--	--	--	512	ca	123121	--	--
	Naphthalene	mg/kg	--	--	--	--	188	nc	--	--	--
	Nitrobenzene	mg/kg	--	--	--	--	103	nc	--	--	--
	N-nitrosodi-n-propylamine	mg/kg	--	--	--	--	0.25	ca	--	--	--
	N-nitrosodiphenylamine	mg/kg	--	--	--	--	352	ca	12312	--	--
	o-Cresol	mg/kg	--	--	--	--	30780	nc	--	--	--
	Octachlorostyrene	mg/kg	--	--	--	--	--	--	--	--	--
	p-Chloroaniline	mg/kg	--	--	--	--	2462	nc	--	--	--
	p-Chlorothiophenol	mg/kg	--	--	--	--	--	--	--	--	--
	Pentachlorobenzene	mg/kg	--	--	--	--	492	nc	--	--	--
	Pentachlorophenol	mg/kg	--	--	--	--	9	ca	11569	--	--
	Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--
Phenol	mg/kg	--	--	--	--	100000	max	--	--	--	

**TABLE 1**  
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**TRONOX PARCEL H INVESTIGATION**  
**CLARK COUNTY, NEVADA**  
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Parameter of Interest	Chemical	Result Unit	Max. Detect <sup>a</sup>	Max. Bkg <sup>rd</sup> <sup>d</sup>	Count of Detects > Bkg <sup>rd</sup>	Above Bkg <sup>rd</sup> ? <sup>e</sup>	Industrial PRG <sup>c</sup>	PRG Basis	Secondary Industrial PRG <sup>c</sup>	Non-Cancer Hazard Index <sup>f</sup>	Incremental Lifetime Cancer Risk <sup>g</sup>
SVOCs	Phenyl Disulfide	mg/kg	--	--	--	--	--	--	--	--	--
	Phenyl Sulfide	mg/kg	--	--	--	--	--	--	--	--	--
	Phthalic acid	mg/kg	--	--	--	--	100000	max	--	--	--
	p-Nitroaniline	mg/kg	--	--	--	--	82	ca	1846	--	--
	Pyrene	mg/kg	--	--	--	--	29126	nc	--	--	--
	Pyridine	mg/kg	--	--	--	--	616	nc	--	--	--
VOCs	1,1,1,2-Tetrachloroethane	mg/kg	--	--	--	--	7.3	ca	2019	--	--
	1,1,1-Trichloroethane	mg/kg	--	--	--	--	1200	sat	--	--	--
	1,1,2,2-Tetrachloroethane	mg/kg	--	--	--	--	0.93	ca	4039	--	--
	1,1,2-Trichloroethane	mg/kg	--	--	--	--	1.6	ca	128	--	--
	1,1-Dichloroethane	mg/kg	--	--	--	--	1739	nc	--	--	--
	1,1-Dichloroethylene	mg/kg	--	--	--	--	413	nc	--	--	--
	1,1-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--
	1,2,3-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--
	1,2,3-Trichloropropane	mg/kg	--	--	--	--	0.076	ca	79	--	--
	1,2,4-Trichlorobenzene	mg/kg	--	--	--	--	216	nc	--	--	--
	1,2,4-Trimethylbenzene	mg/kg	0.00055	--	--	--	170	nc	--	0.000032	--
	1,2-Dibromo-3-chloropropane (DBC)	mg/kg	--	--	--	--	2	ca	11	--	--
	1,2-Dichlorobenzene	mg/kg	--	--	--	--	600	sat	--	--	--
	1,2-Dichloroethane	mg/kg	--	--	--	--	0.6	ca	28	--	--
	1,2-Dichloroethylene	mg/kg	--	--	--	--	--	--	--	--	--
	1,2-Dichloropropane	mg/kg	--	--	--	--	0.74	ca	21	--	--
	1,3,5-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--
	1,3,5-Trimethylbenzene	mg/kg	--	--	--	--	70	nc	--	--	--
	1,3-Dichlorobenzene	mg/kg	--	--	--	--	600	sat	--	--	--
	1,3-Dichloropropane	mg/kg	--	--	--	--	361	nc	--	--	--
	1,4-Dichlorobenzene	mg/kg	--	--	--	--	7.9	ca	10171	--	--
	1-Nonanal	mg/kg	--	--	--	--	--	--	--	--	--
	2,2,3-Trimethylbutane	mg/kg	--	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--
	2,2-Dimethylpentane	mg/kg	--	--	--	--	--	--	--	--	--
	2,3-Dimethylpentane	mg/kg	--	--	--	--	--	--	--	--	--
	2,4-Dimethylpentane	mg/kg	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	mg/kg	--	--	--	--	560	nc	--	--	--
	2-Nitropropane	mg/kg	--	--	--	--	--	--	--	--	--
	2-Phenylbutane	mg/kg	--	--	--	--	220	sat	--	--	--
	3,3-dimethylpentane	mg/kg	--	--	--	--	--	--	--	--	--
	3-ethylpentane	mg/kg	--	--	--	--	--	--	--	--	--
3-Methylhexane	mg/kg	--	--	--	--	--	--	--	--	--	
4-Chlorotoluene	mg/kg	--	--	--	--	--	--	--	--	--	
Acetone	mg/kg	0.019	--	--	--	--	54321	nc	--	0.00000040	--

**TABLE 1**  
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**TRONOX PARCEL H INVESTIGATION**  
**CLARK COUNTY, NEVADA**  
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Parameter of Interest	Chemical	Result Unit	Max. Detect <sup>a</sup>	Max. Bkg <sup>d</sup>	Count of Detects > Bkg <sup>d</sup>	Above Bkg <sup>d</sup> ? <sup>e</sup>	Industrial PRG <sup>c</sup>	PRG Basis	Secondary Industrial PRG <sup>c</sup>	Non-Cancer Hazard Index <sup>f</sup>	Incremental Lifetime Cancer Risk <sup>g</sup>
VOCs	Acetonitrile	mg/kg	0.021	--	--	--	1818	nc	--	0.000030	--
	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 11)	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	0.017	--	--	--	20.5	ca	--	0.0000018	8 E-10
	Ethanol	mg/kg	--	--	--	--	--	--	--	--	--
	Ethylbenzene	mg/kg	--	--	--	--	395	sat	--	--	--
	Hexane, 2-methyl-	mg/kg	--	--	--	--	--	--	--	--	--
	Isopropylbenzene	mg/kg	--	--	--	--	1978	nc	--	--	--
	m,p-Xylene	mg/kg	--	--	--	--	--	--	--	--	--
	Methyl disulfide	mg/kg	--	--	--	--	--	--	--	--	--
	Methyl ethyl ketone	mg/kg	--	--	--	--	113264	nc	--	--	--
	Methyl iodide	mg/kg	--	--	--	--	--	--	--	--	--
	Methyl isobutyl ketone	mg/kg	--	--	--	--	47001	nc	--	--	--
	Methyl n-butyl ketone	mg/kg	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	240	sat	--	--	--	
o-Xylene	mg/kg	--	--	--	--	--	--	--	--	--	
Styrene (monomer)	mg/kg	--	--	--	--	1700	sat	--	--	--	
tert-Butyl benzene	mg/kg	--	--	--	--	390	sat	--	--	--	
Tetrachloroethylene	mg/kg	--	--	--	--	1.3	ca	129	--	--	
Toluene	mg/kg	0.0017	--	--	--	520	sat	--	0.0000025	--	
trans-1,2-Dichloroethylene	mg/kg	--	--	--	--	235	nc	--	--	--	

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Parameter of Interest	Chemical	Result Unit	Max. Detect <sup>a</sup>	Max. Bkgrd <sup>d</sup>	Count of Detects > Bkgrd	Above Bkgrd? <sup>e</sup>	Industrial PRG <sup>c</sup>	PRG Basis	Secondary Industrial PRG <sup>c</sup>	Non-Cancer Hazard Index <sup>f</sup>	Incremental Lifetime Cancer Risk <sup>g</sup>
VOCs	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	--	--	--	--	420	sat	--	--	--
	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	--	--	--	--	0.74	ca	11	--	--
Aroclor 1254		mg/kg	--	--	--	--	0.74	ca	11	--	--
Aroclor 1260		mg/kg	--	--	--	--	0.74	ca	11	--	--
<b>Total Non-Cancer Hazard Index:</b>										0.22	
<b>Total Incremental Lifetime Cancer Risk - Non-Radionuclides:</b>											6 E-8
<b>Total Incremental Lifetime Cancer Risk - Radionuclides:</b>											1 E-4
<b>Total Incremental Lifetime Cancer Risk - Radionuclides (Max. Background):</b>											1 E-4

- 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).