

Three phase Back Calculations

Constituent	AWQC FW chronic (ug/l)	DW CLARC (ug/l)	Kd (l/kg)	AWQC 3-phase Soil Criteria (mg/kg)	DW 3 phase Soil (mg/kg)	MTCA Method A (mg/kg)	Background PS (mg/kg)	FWS D.L.C. "Wedge" (mg/kg)	FWS Eco upper 3 feet (mg/kg)	Ecology (mg/kg)	Ecology lower 6 feet (mg/kg)
Antimony	30	6.4	45	27	6 NA	6 NA	NA	7.7 to 20	20	16	
Arsenic (total)	150	0.029	29	88	0.02	20	NA	460	1250	20	
Barium	NA	560	41	84	461 NA	NA	NA	0.6	NA	NA	0.6
Beryllium	5.3	32	790	0.2	506 NA	2	2	1.1 to 2	2	2	2
Cadmium	1.1	16	6.7	0.2	2000	100	48	48 to 100	48	2600	42
Chromium (tot)	NA	100	1000		96						
Cr+3	74	24000			18	19 NA		4		19	
Cr +8	11	48	19	4	263 NA	36		36	100	36	
Copper	9	592	22	4	500	250	24	24 to 250	220	250	220
Lead	2.5	15	10000	0.01	5	2	0.07	0.07 to 2	2	2	2
Mercury	0.012	4.8	52	68	417 NA	8 NA	NA	48 to 68	100	110	100
Nickel	52	320	65	1	8 NA	NA	NA	5 (PQL)	5 (PQL)	5	5
Selenium	5	80	5	0.02	14 NA	NA	NA	5 (PQL)	5 (PQL)	5	5
Silver	0.12	80	8.3	57	2 NA	NA	NA	85 to 140	270	85	2
Thallium	40	1.12	71	137	5971 NA	2000 NA	30/100 NA			2600	460
Zinc	110	4800	62			2000 NA	2000 NA			30	
TPH (DRO)	NA	500 NA				30/100 NA				2600	460
Gasoline	NA	800 NA				2000 NA				30	
Heavy oils	NA	500 NA				2000 NA				2600	460

NA: not available

PQL: practical quantitation limit

AWQC: ambient water quality criteria

DW: drinking water

CLARC: Cleanup Levels and Risk Calculations under MTCA, Version 3.0, Pub 94-145, August 2001

Note: the TPH MTCA Method A soil values were calculated using the 4 phase leaching approach and there was no upper limit, RS used.

SOURCE

- Arsenic (total) SQUIRT
- Barium EPA SSL, table 46
- Beryllium MTCA
- Cadmium EPA SSL, table 46
- Copper EPA SSL, table 46
- Chromium (tot) MTCA
- Cr +6 MTCA
- Lead MTCA
- Mercury MTCA
- Nickel MTCA
- Selenium MTCA
- Silver EPA SSL table 46
- Thallium EPA SSL, table 46
- Zinc MTCA