

State 1&3 Table 915-1			4/15/2024				
CLEANUP CONCENTRATIONS	Sample Point		SP1	SP2	SP3	BG1	BG2
	Depth		18"	18"	18"	18"	18"
Contaminant of Concern	Concentrations		39.752938, -103.047279	39.752959, -103.047246	39.753002, -103.047245	39.752738, -103.047178	39.753170, -103.046902
Soil TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons)	500mg/kg		ND	ND	ND		
PID Reading (ppm)			3.1	0.0	0.3	0.0	0.0
Soil Suitability for Reclamation							
Electrical conductivity (EC) (by saturated paste method)	<4mmhos/cm		0.629	1.159	1.276	0.557	0.643
Sodium adsorption ratio (SAR) (by saturated paste method)	<6		3.323	10.27	11.039	0.564	2.233
pH (by saturated paste method)	6–8.3		8.58	9.22	9.19	8.29	8.74
boron (hot water soluble soil extract)	2mg/l		1.253	1.458	0.878	0.279	0.358
Organic Compounds in Groundwater							
benzene	5µg/l						
toluene	560 to 1,000µg/l						
ethylbenzene	700µg/l						
xylenes (sum of o-, m- and p- isomers = total xylenes)	1,400 to 10,000µg/l						
naphthalene	140µg/l						
1,2,4-trimethylbenzene	67µg/l						
1,3,5-trimethylbenzene	67µg/l						
Groundwater Inorganic Parameters							
total dissolved solids (TDS)	<1.25 X local background						
chloride ion	250mg/l or <1.25 X local background						
sulfate ion	250mg/l or <1.25 X local background						
Soils	Residential Soil Screening Level Concentrations (mg/kg)	Protection of Groundwater Soil Screening Level Concentrations (mg/kg)	SP1	SP2	SP3	BG1	BG2
	Depth		18"	18"	18"	18"	18"
Organic Compounds in Soils							
benzene	1.2	0.0026 (M)	ND	ND	ND	NA	NA
toluene	490	0.69 (M)	ND	ND	ND	NA	NA
ethylbenzene	5.8	0.78 (M)	ND	ND	ND	NA	NA
xylenes (sum of o-, m- and p- isomers = total xylenes)	58	9.9 (M)	ND	ND	ND	NA	NA
1,2,4-trimethylbenzene	30	0.0081 (R)	ND	ND	ND	NA	NA
1,3,5-trimethylbenzene	27	0.0087 (R)	ND	ND	ND	NA	NA
acenaphthene	360	0.55 (R)	ND	ND	ND	NA	NA
anthracene	1800	5.8 (R)	ND	ND	ND	NA	NA
benz(a)anthracene	1.1	0.011 (R)	ND	ND	ND	NA	NA
benzo(b)fluoranthene	1.1	0.3 (R)	ND	ND	ND	NA	NA
benzo(k)fluoranthene	11	2.9 (R)	ND	ND	ND	NA	NA
benzo(a)pyrene	0.11	0.24 (M)	ND	ND	ND	NA	NA
chrysene	110	9 (R)	ND	ND	ND	NA	NA
dibenzo(a,h)anthracene	0.11	0.096 (R)	ND	ND	ND	NA	NA
fluoranthene	240	8.9 (R)	ND	ND	ND	NA	NA
fluorene	240	0.54 (R)	ND	ND	ND	NA	NA
indeno(1,2,3-cd)pyrene	1.1	0.98 (R)	ND	ND	ND	NA	NA
1-methylnaphthalene	18	0.006 (R)	ND	ND	ND	NA	NA
2-methylnaphthalene	24	0.019 (R)	ND	ND	ND	NA	NA
naphthalene	2	0.0038 (R)	ND	ND	ND	NA	NA
pyrene	180	1.3 (R)	ND	ND	ND	NA	NA
Metals in Soils							
arsenic	0.68	0.29 (M)	2.843	2.492	2.57	3.055	3.594
barium	15000	82 (M)	112.999	105.113	142.531	137.802	162.921
cadmium	71	0.38 (M)	0.157	0.106	0.13	0.188	0.192
chromium (VI)	0.3	0.00067 (R)	ND	ND	ND	ND	ND
copper	3100	46 (M)	2.458	2.543	1.03	3.605	4.086
lead	400	14 (M)	9.079	7.415	7.619	9.694	10.927
nickel	1500	26 (R)	3.233	1.678	1.31	4.125	4.914
selenium	390	0.26 (M)	2.304	2.194	1.969	2.173	2.036
silver	390	0.8 (R)	ND	ND	ND	ND	ND
zinc	23000	370 (R)	30.241	26.713	22.895	29.185	30.656

The letter "(R)" following a protection of Groundwater soil screening level indicates the concentration is derived from a risk-based approach. The letter "(M)" following a protection of Quantifier "J" indicated analyte is present at an estimated concentration between the MDL and Reporting Limit.

Quantifier "U" indicates analyzed but not detected above the MDL.

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Residential Soil Screening Level limits, but are within Background results.

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Residential Soil Screening Level limits, and Background results.

*Arsenic is naturally occurring in Colorado at concentrations above ECMC Table 915-1