

Red Rocks 1-16		2/2/2025
CLEANUP CONCENTRATIONS		SS1 RR116-DCA01
Contaminant of Concern	Concentrations	
Soil TPH (total volatile [C6-C10] and extractable [C10- C36] hydrocarbons)	500mg/kg	18.0000
Soils and Groundwater - liquid hydrocarbons including condensate and oil	below visual detection limits	
Electrical conductivity (EC) (by saturated paste method)	<4mmhos/cm	0.5800
Sodium adsorption ratio (SAR) (by saturated paste method)	<6	0.5900
pH (by saturated paste method)	6-8.3	8.5000
boron (hot water soluble soil extract)	2mg/l	11.0000
benzene	5µg/l	
toluene	560 to 1,000µg/l	
ethylbenzene	700µg/l	
xylene (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)	
Organic Compounds in Soils			
benzene	1.2000	0.0026 (M)	ND
toluene	490.0000	0.69 (M)	ND
ethylbenzene	5.8000	0.78 (M)	ND
xylene (sum of o-, m- and p- isomers = total xylenes)	58.0000	9.9 (M)	ND
1,2,4-trimethylbenzene	30.0000	0.0081 (R)	ND
1,3,5-trimethylbenzene	27.0000	0.0087 (R)	ND
acenaphthene	360.0000	0.55 (R)	ND
anthracene	1800.0000	5.8 (R)	ND
benz(a)anthracene	1.1000	0.011 (R)	ND
benzo(b)fluoranthene	1.1000	0.3 (R)	ND
benzo(k)fluoranthene	11.0000	2.9 (R)	ND
benzo(a)pyrene	0.1100	0.24 (M)	ND
chrysene	110.0000	9 (R)	ND
dibenzo(a,h)anthracene	0.1100	0.096 (R)	ND
fluoranthene	240.0000	8.9 (R)	ND
fluorene	240.0000	0.54 (R)	ND
indeno(1,2,3-cd)pyrene	1.1000	0.98 (R)	ND
1-methylnaphthalene	18.0000	0.006 (R)	ND
2-methylnaphthalene	24.0000	0.019 (R)	ND
naphthalene	2.0000	0.0038 (R)	ND
pyrene	180.0000	1.3 (R)	ND
Metals in Soils			
arsenic	0.6800	0.29 (M)	6.2000
barium	15000.0000	0.2700	350.0000
cadmium	71.0000	0.38 (M)	0.2700

chromium (VI)	0.3000	0.00067 (R)	ND
copper	3100.0000	46 (M)	11.0000
lead	400.0000	14 (M)	6.9000
nickel	1500.0000	26 (R)	11.0000
selenium	390.0000	0.26 (M)	0.3200
silver	390.0000	0.8 (R)	0.0480
zinc	23000.0000	370 (R)	31.0000

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 Groundwater soil screening level indicates the concentration is derived from th

2/2/2025		2/2/2025		2/2/2025		2/2/2025		2/2/2025		2/2/2025	
SS2	RR116-	SS3	RR116-	SS4	RR116-	SS5	RR116-	SS6	RR116-	SS7	RR116-
DCA02	DCA03	TA01	TA02	TA03	TA04						
ND	22.0000	15.0000	23.0000	21.0000	53.0000						
13.0000	2.5000	11.0000	11.0000	4.2000	11.0000						
7.3000	0.8200	0.8400	0.9900	4.0000	1.1000						
8.1000	7.7000	7.7000	7.9000	7.5000	7.9000						
13.0000	12.0000	13.0000	12.0000	12.0000	12.0000						

ND	ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND	ND
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ND	ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND	ND
7.1000	7.3000	6.5000	6.4000	7.4000	6.0000	
230.0000	260.0000	230.0000	250.0000	240.0000	250.0000	
0.3300	0.3500	0.2900	0.2500	0.3400	0.2600	

ND	ND	ND	ND	ND	ND
15.0000	17.0000	14.0000	14.0000	18.0000	13.0000
10.0000	12.0000	10.0000	9.9000	12.0000	9.4000
16.0000	17.0000	14.0000	14.0000	17.0000	13.0000
0.5600	0.4100	0.5500	0.4400	0.4800	0.4000
0.0550	0.0600	0.0460	0.0420	0.0590	0.0380
50.0000	57.0000	46.0000	45.0000	61.0000	42.0000

ie drinking water MCL.

2/2/2025		2/2/2025		2/2/2025		2/2/2025		2/2/2025			
SS8	RR116- TA05	SS9	RR116- SA01	SS10	RR116- SA02	SS11	RR116- SA03	SS12	RR116- SA04	SS13	RR116- SA05
16.0000		21.0000		18.0000		39.0000		17.0000		48.0000	
2.8000		1.4000		1.5000		3.4000		1.9000		1.6000	
0.3400		0.2100		0.1600		2.8000		0.2300		0.9500	
7.8000		7.8000		7.8000		8.3000		8.1000		7.9000	
11.0000		8.0000		8.7000		11.0000		8.4000		11.0000	

ND	ND	ND	ND	ND	ND
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ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND
ND	0.0071	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND
6.9000	7.1000	6.8000	9.7000	6.5000	7.5000
290.0000	150.0000	220.0000	390.0000	220.0000	270.0000
0.3300	0.2300	0.2800	0.2900	0.2400	0.2900

ND	ND	ND	ND	ND	ND
15.0000	12.0000	12.0000	14.0000	12.0000	16.0000
9.9000	9.0000	9.2000	12.0000	7.5000	11.0000
15.0000	13.0000	14.0000	17.0000	12.0000	18.0000
0.3600	0.4000	0.3900	0.5000	0.3200	0.4000
0.0340	0.0430	0.0370	0.0390	0.0330	0.0450
46.0000	45.0000	40.0000	45.0000	34.0000	52.0000

ND
19.0000
14.0000
20.0000
0.4100
0.0560
66.0000