

Base-Case Groundwater Uranium Concentrations For Collection/Injection Predictive Model

	Alluvial Aquifer	Upper Chinle Aquifer	Middle Chinle Aquifer	Lower Chinle Aquifer		San Andres Glorieta Aquifer
				Non-Mixing	Mixing	
Maximum Source-Area Groundwater Concentration (mg/L)						
Maximum POE 1 Concentration (mg/L)	Dry	Absent	0.0200	0.0200	Absent	0.0056
Maximum POE 2 Concentration (mg/L)	0.0228	0.0205	0.0209	0.0200	Absent	0.0056
Maximum POE 3 Concentration (mg/L)	0.0192	0.0202	0.0197	0.0200	Absent	0.0056
Maximum POE 4 Concentration (mg/L)	0.1462	0.0207	0.0201	0.0200	Absent	0.0056
Maximum POE 5 Concentration (mg/L)	0.0720	0.0201	0.0201	0.0200	Absent	0.0057
Maximum POE 6 Concentration (mg/L)	Dry	Absent	0.0350	0.0204	Absent	0.0057
Maximum POE 7 Concentration (mg/L)	Dry	Absent	Absent	NA	0.1032	0.0068
Maximum POE 8 Concentration (mg/L)	Dry	Absent	Absent	NA	0.0422	0.0076
Maximum POE 9 Concentration (mg/L)	0.0754	Absent	Absent	Absent	Absent	0.0100
Maximum POE 10 Concentration (mg/L)	0.0577	Absent	Absent	Absent	Absent	0.0133
Maximum POE 11 Concentration (mg/L)	0.0145	Absent	Absent	Absent	Absent	0.0065
Maximum POE 12 Concentration (mg/L)	Dry	Absent	Absent	0.0200	Absent	0.0056
Maximum POE Concentration	0.1462	0.0207	0.0350	0.0204	0.1032	0.0133

Aquifer not present at this location due to absence of saturation or geologically absent Excluded, value reflects upgradient inputs, not mill-related source

POE- Point of Exposure POC = Point of Compliance

