

**Cimarron Environmental Response Trust  
Evaluation of Uranium Daughters in Groundwater**

Activity (pCi/L)	Monitor Well															
	TMW-13				02W02				02W01				TMW-09			
	Result	Uncertainty	Qual	DL	Result	Uncertainty	Qual	DL	Result	Uncertainty	Qual	DL	Result	Uncertainty	Qual	DL
U-238	364	16.9		1.51	309	15.1		1.71	604	26.9		2.05	660	24.4		1.74
Th-234	80.3	311	U	585	-247	321	U	577	-222	322	U	559	0	815	UI	530
Pa-234	24.4	30.3	U	71.2	-14.5	26.3	U	49	3.89	38.5	U	79.2	-13.4	47.6	U	84.7
U-235	38.4	6.14		1.21	38.2	5.91		1.13	74.2	10.5		1.15	58	8.08		1.61
Th-231	0	108	UI	107	2.05	77.5	U	128	77.6	145	U	109	-13.4	47.6	U	84.7
U-234	602	21.8		1.84	418	17.5		2.12	1040	35.3		3.22	950	29.3		1.97

The detection limit for Th-234 is too high relative to the U-238 activities to tell us anything - but Th-234 was never detected.

Pa-234 was never detected, but the detection limit (that was never reached) was a small fraction of the U-238 activity - listed below.

Notes:

TMW-13 Pa-234 DL:U-238 Ratio 0.20
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02W02 Pa-234 DL:U-238 Ratio 0.16
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02W01 Pa-234 DL:U-238 Ratio 0.13
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TMMW-09 Pa-234 DL:U-238 Ratio 0.13
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The detection limit for Th-231 is too high relative to the U-234 activities to tell us anything - but Th-231 was never detected.