

Table 2-5. Comparison of 2014 Technetium-99 Sample Results from Monitoring Wells in the S-SX Tank Farms Vicinity to Baseline Concentrations

Well Name	Baseline (2012) Technetium-99 (pCi/L)	2014 Technetium-99 (pCi/L) ^a	Difference (%) ^b
299-W22-44 ^c	10,500	Dry	—
299-W22-45	520	2,470	+375
299-W22-47	15,000	139	-99
299-W22-49	2,300	1,050	-54
299-W22-50 ^d	5,750	7,800	+36
299-W22-69	220	126	-43
299-W22-72	135	214	+59
299-W22-80	19	<9.74 ^e	—
299-W22-81	67.5	71.3	+6
299-W22-82	2,900	3,610	+25
299-W22-83	17,700	12,800	-28
299-W22-84	630	31.8	-95
299-W22-85	140	197	+41
299-W22-86	11,000	2,930	-73
299-W22-89	<6.5 ^e	<10.9 ^e	—
299-W22-94 ^f	880 ^g	82.2	-91
299-W22-95 ^h	310 ⁱ	505	+63
299-W22-96	1,020	1,440	+41
299-W23-15	18.0	19.6	—
299-W23-19	45,000	16,600	-63
299-W23-20	6.70	17.5	—
299-W23-21	86.2	98.6	+14

a. For wells that were sampled multiple times during 2014, the result shown is from the last sample of the year.

b. Differences are shown for only those wells with a baseline or 2014 sample result at least five times the detection limit ($\sim 6.6 \text{ pCi/L} \times 5 = \sim 33 \text{ pCi/L}$) (i.e., results above an approximation of the quantitation limit).

c. Well was found to be sample dry during June 2013. A replacement well is scheduled to be drilled.

d. Well was found to be sample dry during June 2014. A replacement well is scheduled to be drilled.

e. Less than (<) values reference the minimum detectable activity.

f. Well 299-W22-94 is a replacement for 299-W22-48, which became dry during 2012.

g. Baseline sample result is for Well 299-W22-48.

h. Well 299-W22-95 is a replacement for 299-W22-26, which became dry during 2012.

i. Baseline sample result is for Well 299-W22-95, collected during December 2013.