

NOTE: Dairies are located in Communities surrounding SRS.

NOTE: "Sig" is significance, with "Yes" meaning detectable and "No" meaning less than the analytical method detection limit. If the uncertainty (standard deviation) is large, the significance may also be set to "No".

NOTE: * One sample was rerun to confirm Cs-137 results that were a historical high. Original results was close to the MDA, though above. The rerun was close to the MDA but below. Co-60 was rerun as it is part of the analytical suite that includes the Cs-137. Both results for both analytes are valid.

Data Table 5-15 Radioactivity in Terrestrial Food Products - Milk

Summary Statistic Section

2014 Radioactivity in Terrestrial Food Products -- Milk : Units are pCi/L

Result was reported as detected.

Location	Nuclide	Number of Samples	Mean		Minimum		Maximum	
			SampleCon	SampleStd	SampleCon	SampleStd	SampleCon	SampleStd
Dairy A - SC	H-3	4	2.82E+01	3.75E+01	-2.53E+01	7.47E+01	9.70E+01	7.93E+01
Dairy B - SC	H-3	4	5.19E+01	3.78E+01	5.43E-04	7.61E+01	1.19E+02	6.91E+01
Dairy C - SC	H-3	4	2.31E+01	3.73E+01	-6.81E+01	7.58E+01	9.00E+01	6.80E+01
Dairy D - GA	H-3	4	-5.21E+00	3.72E+01	-8.32E+01	7.73E+01	1.32E+02	6.91E+01
Dairy E - GA	H-3	4	2.17E+01	3.72E+01	-1.19E+02	7.63E+01	1.09E+02	7.61E+01
Dairy F - SC	H-3	4	-4.86E+00	3.73E+01	-7.78E+01	7.75E+01	3.03E+01	7.76E+01
Dairy G - GA	H-3	4	2.21E+01	3.73E+01	-3.27E+01	7.63E+01	1.27E+02	7.66E+01
Dairy H - GA	H-3	4	1.16E+01	3.73E+01	-1.58E+02	7.65E+01	1.01E+02	7.58E+01

Dairy A - SC	Co-60	4	1.35E+00	6.04E-01	-1.01E+00	1.32E+00	2.86E+00	1.23E+00
Dairy B - SC	Co-60	4	4.05E-01	5.14E-01	-8.03E-01	1.19E+00	1.78E+00	9.63E-01
Dairy C - SC	Co-60	4	7.22E-01	5.81E-01	3.43E-02	1.00E+00	1.05E+00	1.18E+00
Dairy D - GA	Co-60	4	-4.33E-01	5.56E-01	-1.78E+00	1.20E+00	1.01E+00	1.18E+00
Dairy E - GA	Co-60	4	3.62E-01	5.24E-01	-1.17E+00	1.12E+00	1.53E+00	1.00E+00
Dairy F - SC	Co-60	4	-2.83E-01	5.29E-01	-1.79E+00	1.22E+00	1.38E+00	1.02E+00
Dairy G - GA	Co-60	4	6.33E-01	4.90E-01	-3.78E-01	1.01E+00	1.91E+00	1.01E+00
Dairy H - GA	Co-60	5*	9.06E-01	4.98E-01	-1.10E-01	9.97E-01	2.57E+00	1.05E+00

2014 Radioactivity in Terrestrial Food Products -- Milk : Units are pCi/L

Result was reported as detected.

Location	Nuclide	Number of Samples	Mean		Minimum		Maximum	
			SampleCon	SampleStd	SampleCon	SampleStd	SampleCon	SampleStd
Dairy A - SC	Cs-137	4	1.35E+00	5.26E-01	9.11E-01	1.10E+00	1.83E+00	1.07E+00
Dairy B - SC	Cs-137	4	9.73E-01	4.83E-01	-9.22E-01	1.11E+00	1.90E+00	8.96E-01
Dairy C - SC	Cs-137	4	1.13E+00	5.25E-01	-2.78E-01	1.05E+00	2.66E+00	9.56E-01
Dairy D - GA	Cs-137	4	8.88E-02	5.04E-01	-1.41E+00	1.08E+00	1.09E+00	1.00E+00
Dairy E - GA	Cs-137	4	1.23E+00	4.78E-01	-3.11E-01	9.36E-01	2.30E+00	9.59E-01
Dairy F - SC	Cs-137	4	1.41E+00	4.84E-01	8.62E-01	9.13E-01	2.81E+00	9.63E-01
Dairy G - GA	Cs-137	4	1.88E+00	4.67E-01	1.31E+00	9.00E-01	2.45E+00	9.21E-01
Dairy H - GA	Cs-137	5*	1.92E+00	4.82E-01	3.73E-01	1.05E+00	3.95E+00	1.33E+00

Dairy A - SC	Sr-90	4	3.69E-01	4.31E-01	-1.91E-01	1.72E-01	1.40E+00	1.71E+00
Dairy B - SC	Sr-90	4	2.31E-01	3.63E-01	-2.13E-01	6.21E-01	9.81E-01	1.28E+00
Dairy C - SC	Sr-90	4	1.48E-01	1.60E+00	-3.54E-01	6.12E+00	5.43E-01	1.79E+00
Dairy D - GA	Sr-90	4	1.11E-01	1.10E+00	-1.89E-01	3.19E+00	7.00E-01	4.20E-01
Dairy E - GA	Sr-90	4	1.10E-01	1.76E-01	-4.11E-01	4.15E-01	4.19E-01	3.71E-01
Dairy F - SC	Sr-90	4	7.20E-01	4.26E-01	1.52E-01	5.27E-02	1.23E+00	1.46E+00
Dairy G - GA	Sr-90	4	3.37E-01	1.94E+00	8.49E-02	1.50E-01	5.35E-01	2.69E-01
Dairy H - GA	Sr-90	4	2.31E-01	1.16E+00	-3.73E-01	6.31E-01	6.70E-01	7.10E-01

NOTE: Dairies are located in Communities surrounding SRS.

NOTE: "Sig" is significance, with "Yes" meaning detectable and "No" meaning less than the analytical method detection limit. If the uncertainty (standard deviation) is large, the significance may also be set to "No".

Data Table 5-15 Radioactivity in Terrestrial Food Products - Milk

Sample Measurement Section

2014 Radioactivity in Terrestrial Food Products -- Milk : Units are pCi/L

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
DAIRY B-SC	H-3	15-Jan-14	7.54E+01	7.95E+01	No
DAIRY B-SC	H-3	15-Apr-14	1.19E+02	6.91E+01	No
DAIRY B-SC	H-3	15-Jul-14	1.37E+01	7.73E+01	No
DAIRY B-SC	H-3	20-Oct-14	5.43E-04	7.61E+01	No
DAIRY C-SC	H-3	15-Jan-14	2.78E+00	7.83E+01	No
DAIRY C-SC	H-3	15-Apr-14	9.00E+01	6.80E+01	No
DAIRY C-SC	H-3	16-Jul-14	-6.81E+01	7.58E+01	No
DAIRY C-SC	H-3	20-Oct-14	6.78E+01	7.62E+01	No
DAIRY G-GA	H-3	22-Jan-14	-2.50E+01	7.79E+01	No
DAIRY G-GA	H-3	16-Apr-14	1.91E+01	6.71E+01	No
DAIRY G-GA	H-3	30-Jul-14	-3.27E+01	7.63E+01	No
DAIRY G-GA	H-3	20-Oct-14	1.27E+02	7.66E+01	No
DAIRY D-GA	H-3	21-Jan-14	-8.32E+01	7.73E+01	No
DAIRY D-GA	H-3	16-Apr-14	1.32E+02	6.91E+01	No
DAIRY D-GA	H-3	31-Jul-14	-2.73E+00	7.69E+01	No
DAIRY D-GA	H-3	21-Oct-14	-6.70E+01	7.37E+01	No
DAIRY E-GA	H-3	22-Jan-14	-1.19E+02	7.63E+01	No
DAIRY E-GA	H-3	16-Apr-14	1.07E+02	6.87E+01	No
DAIRY E-GA	H-3	31-Jul-14	-1.09E+01	7.64E+01	No
DAIRY E-GA	H-3	21-Oct-14	1.09E+02	7.61E+01	No
DAIRY A-SC	H-3	15-Jan-14	9.70E+01	7.93E+01	No
DAIRY A-SC	H-3	15-Apr-14	5.76E+01	6.80E+01	No
DAIRY A-SC	H-3	15-Jul-14	-1.65E+01	7.73E+01	No
DAIRY A-SC	H-3	20-Oct-14	-2.53E+01	7.47E+01	No
DAIRY F-SC	H-3	21-Jan-14	-7.78E+01	7.75E+01	No
DAIRY F-SC	H-3	15-Apr-14	2.76E+00	6.74E+01	No
DAIRY F-SC	H-3	16-Jul-14	3.03E+01	7.76E+01	No
DAIRY F-SC	H-3	20-Oct-14	2.54E+01	7.54E+01	No
DAIRY H-GA	H-3	23-Jan-14	-1.58E+02	7.65E+01	No
DAIRY H-GA	H-3	16-Apr-14	3.84E+01	6.78E+01	No
DAIRY H-GA	H-3	31-Jul-14	6.59E+01	7.79E+01	No
DAIRY H-GA	H-3	20-Oct-14	1.01E+02	7.58E+01	No
DAIRY B-SC	Co-60	15-Jan-14	1.04E+00	9.82E-01	No
DAIRY B-SC	Co-60	15-Apr-14	-8.03E-01	1.19E+00	No
DAIRY B-SC	Co-60	15-Jul-14	1.78E+00	9.63E-01	No
DAIRY B-SC	Co-60	20-Oct-14	-3.95E-01	9.56E-01	No
DAIRY C-SC	Co-60	15-Jan-14	3.43E-02	1.00E+00	No
DAIRY C-SC	Co-60	15-Apr-14	1.01E+00	1.25E+00	No
DAIRY C-SC	Co-60	16-Jul-14	7.97E-01	1.20E+00	No
DAIRY C-SC	Co-60	20-Oct-14	1.05E+00	1.18E+00	No

2014 Radioactivity in Terrestrial Food Products -- Milk : Units are pCi/L

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
DAIRY G-GA	Co-60	22-Jan-14	-3.78E-01	1.01E+00	No
DAIRY G-GA	Co-60	16-Apr-14	1.91E+00	1.01E+00	No
DAIRY G-GA	Co-60	30-Jul-14	-5.78E-03	9.44E-01	No
DAIRY G-GA	Co-60	20-Oct-14	1.01E+00	9.56E-01	No
DAIRY D-GA	Co-60	21-Jan-14	-1.78E+00	1.20E+00	No
DAIRY D-GA	Co-60	16-Apr-14	6.86E-01	1.09E+00	No
DAIRY D-GA	Co-60	31-Jul-14	1.01E+00	1.18E+00	No
DAIRY D-GA	Co-60	21-Oct-14	-1.65E+00	9.59E-01	No
DAIRY E-GA	Co-60	22-Jan-14	-1.17E+00	1.12E+00	No
DAIRY E-GA	Co-60	16-Apr-14	3.76E-01	1.05E+00	No
DAIRY E-GA	Co-60	31-Jul-14	1.53E+00	1.00E+00	No
DAIRY E-GA	Co-60	21-Oct-14	7.16E-01	1.02E+00	No
DAIRY A-SC	Co-60	15-Jan-14	-1.01E+00	1.32E+00	No
DAIRY A-SC	Co-60	15-Apr-14	2.86E+00	1.23E+00	No
DAIRY A-SC	Co-60	15-Jul-14	2.03E+00	1.01E+00	No
DAIRY A-SC	Co-60	20-Oct-14	1.50E+00	1.25E+00	No
DAIRY F-SC	Co-60	21-Jan-14	1.38E+00	1.02E+00	No
DAIRY F-SC	Co-60	15-Apr-14	-1.96E-01	9.93E-01	No
DAIRY F-SC	Co-60	16-Jul-14	-1.79E+00	1.22E+00	No
DAIRY F-SC	Co-60	20-Oct-14	-5.30E-01	9.78E-01	No
DAIRY H-GA	Co-60	23-Jan-14	-1.10E-01	9.97E-01	No
DAIRY H-GA	Co-60	23-Jan-14	9.35E-01	1.30E+00	No
DAIRY H-GA	Co-60	16-Apr-14	2.57E+00	1.05E+00	No
DAIRY H-GA	Co-60	31-Jul-14	6.00E-01	9.56E-01	No
DAIRY H-GA	Co-60	20-Oct-14	5.32E-01	1.22E+00	No
DAIRY B-SC	Cs-137	15-Jan-14	1.26E+00	9.09E-01	No
DAIRY B-SC	Cs-137	15-Apr-14	-9.22E-01	1.11E+00	No
DAIRY B-SC	Cs-137	15-Jul-14	1.65E+00	9.36E-01	No
DAIRY B-SC	Cs-137	20-Oct-14	1.90E+00	8.96E-01	No
DAIRY C-SC	Cs-137	15-Jan-14	2.66E+00	9.56E-01	No
DAIRY C-SC	Cs-137	15-Apr-14	1.53E+00	1.12E+00	No
DAIRY C-SC	Cs-137	16-Jul-14	-2.78E-01	1.05E+00	No
DAIRY C-SC	Cs-137	20-Oct-14	6.24E-01	1.07E+00	No
DAIRY G-GA	Cs-137	22-Jan-14	1.31E+00	9.00E-01	No
DAIRY G-GA	Cs-137	16-Apr-14	1.90E+00	9.71E-01	No
DAIRY G-GA	Cs-137	30-Jul-14	2.45E+00	9.21E-01	No
DAIRY G-GA	Cs-137	20-Oct-14	1.87E+00	9.44E-01	No
DAIRY D-GA	Cs-137	21-Jan-14	-5.84E-02	1.04E+00	No
DAIRY D-GA	Cs-137	16-Apr-14	1.09E+00	1.00E+00	No
DAIRY D-GA	Cs-137	31-Jul-14	-1.41E+00	1.08E+00	No
DAIRY D-GA	Cs-137	21-Oct-14	7.24E-01	9.04E-01	No
DAIRY E-GA	Cs-137	22-Jan-14	1.46E+00	9.63E-01	No
DAIRY E-GA	Cs-137	16-Apr-14	1.46E+00	9.63E-01	No
DAIRY E-GA	Cs-137	31-Jul-14	2.30E+00	9.59E-01	No
DAIRY E-GA	Cs-137	21-Oct-14	-3.11E-01	9.36E-01	No
DAIRY A-SC	Cs-137	15-Jan-14	1.31E+00	1.10E+00	No
DAIRY A-SC	Cs-137	15-Apr-14	1.83E+00	1.07E+00	No

2014 Radioactivity in Terrestrial Food Products -- Milk : Units are pCi/L

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
DAIRY A-SC	Cs-137	15-Jul-14	1.36E+00	9.24E-01	No
DAIRY A-SC	Cs-137	20-Oct-14	9.11E-01	1.10E+00	No
DAIRY F-SC	Cs-137	21-Jan-14	8.62E-01	9.13E-01	No
DAIRY F-SC	Cs-137	15-Apr-14	9.65E-01	9.63E-01	No
DAIRY F-SC	Cs-137	16-Jul-14	1.01E+00	1.03E+00	No
DAIRY F-SC	Cs-137	20-Oct-14	2.81E+00	9.63E-01	No
DAIRY H-GA	Cs-137	23-Jan-14	3.95E+00	1.33E+00	Yes
DAIRY H-GA	Cs-137	23-Jan-14	3.73E-01	1.05E+00	No
DAIRY H-GA	Cs-137	16-Apr-14	1.85E+00	9.36E-01	No
DAIRY H-GA	Cs-137	31-Jul-14	1.72E+00	9.48E-01	No
DAIRY H-GA	Cs-137	20-Oct-14	1.72E+00	1.08E+00	No
DAIRY B-SC	Sr-90	15-Jan-14	1.76E-01	2.82E-01	No
DAIRY B-SC	Sr-90	15-Apr-14	-2.13E-01	6.21E-01	No
DAIRY B-SC	Sr-90	15-Jul-14	9.81E-01	1.28E+00	No
DAIRY B-SC	Sr-90	20-Oct-14	-1.89E-02	1.13E-02	No
DAIRY C-SC	Sr-90	15-Jan-14	9.24E-04	8.14E-04	No
DAIRY C-SC	Sr-90	15-Apr-14	4.03E-01	4.57E-01	No
DAIRY C-SC	Sr-90	16-Jul-14	-3.54E-01	6.12E+00	No
DAIRY C-SC	Sr-90	20-Oct-14	5.43E-01	1.79E+00	No
DAIRY G-GA	Sr-90	22-Jan-14	5.05E-01	7.58E-01	No
DAIRY G-GA	Sr-90	16-Apr-14	8.49E-02	1.50E-01	No
DAIRY G-GA	Sr-90	30-Jul-14	5.35E-01	2.69E-01	No
DAIRY G-GA	Sr-90	20-Oct-14	2.22E-01	7.71E+00	No
DAIRY D-GA	Sr-90	21-Jan-14	7.00E-01	4.20E-01	No
DAIRY D-GA	Sr-90	16-Apr-14	-1.46E-01	2.99E+00	No
DAIRY D-GA	Sr-90	31-Jul-14	7.76E-02	1.44E-01	No
DAIRY D-GA	Sr-90	21-Oct-14	-1.89E-01	3.19E+00	No
DAIRY E-GA	Sr-90	22-Jan-14	4.19E-01	3.71E-01	No
DAIRY E-GA	Sr-90	16-Apr-14	-4.11E-01	4.15E-01	No
DAIRY E-GA	Sr-90	31-Jul-14	1.46E-01	9.52E-02	No
DAIRY E-GA	Sr-90	21-Oct-14	2.86E-01	4.20E-01	No
DAIRY A-SC	Sr-90	15-Jan-14	1.00E-01	1.03E-01	No
DAIRY A-SC	Sr-90	15-Apr-14	1.68E-01	7.07E-02	No
DAIRY A-SC	Sr-90	15-Jul-14	-1.91E-01	1.72E-01	No
DAIRY A-SC	Sr-90	20-Oct-14	1.40E+00	1.71E+00	No
DAIRY F-SC	Sr-90	21-Jan-14	1.23E+00	1.46E+00	No
DAIRY F-SC	Sr-90	15-Apr-14	3.30E-01	1.21E-01	Yes
DAIRY F-SC	Sr-90	16-Jul-14	1.17E+00	8.67E-01	Yes
DAIRY F-SC	Sr-90	20-Oct-14	1.52E-01	5.27E-02	Yes
DAIRY H-GA	Sr-90	23-Jan-14	5.38E-01	4.55E+00	No
DAIRY H-GA	Sr-90	16-Apr-14	9.00E-02	1.63E-01	No
DAIRY H-GA	Sr-90	31-Jul-14	-3.73E-01	6.31E-01	No
DAIRY H-GA	Sr-90	20-Oct-14	6.70E-01	7.10E-01	No