

**TABLE C-4. Tritium Concentrations in Atmospheric Moisture.**

Sampling Group and Location	Start Date	Sampling Date	Result ± 1s Uncertainty		Result ± 1s Uncertainty		Collection Medium	Result > 3s
			(x 10 <sup>-13</sup> μCi/mL <sub>air</sub> )		(x 10 <sup>-9</sup> Bq/mL <sub>air</sub> )			
<b>BOUNDARY</b>								
ATOMIC CITY	03/18/2009	04/15/2009	1.72	± 1.70	6.35	± 6.30	Molecular Sieve	
ATOMIC CITY	04/15/2009	05/13/2009	5.04	± 1.73	18.65	± 6.40	Molecular Sieve	
ATOMIC CITY	05/13/2009	06/03/2009	4.40	± 1.60	16.27	± 5.92	Molecular Sieve	
ATOMIC CITY	06/03/2009	06/17/2009	33.75	± 3.83	124.86	± 14.19	Molecular Sieve	Y
<b>DISTANT</b>								
BLACKFOOT	03/04/2009	04/01/2009	3.54	± 1.17	13.08	± 4.33	Molecular Sieve	Y
BLACKFOOT	04/01/2009	04/22/2009	5.73	± 1.61	21.20	± 5.94	Molecular Sieve	Y
BLACKFOOT	04/22/2009	05/13/2009	6.43	± 1.76	23.78	± 6.50	Molecular Sieve	Y
BLACKFOOT	05/13/2009	06/03/2009	4.58	± 1.81	16.93	± 6.69	Molecular Sieve	
BLACKFOOT	06/03/2009	06/17/2009	10.86	± 2.74	40.17	± 10.13	Molecular Sieve	Y
IDAHO FALLS	03/25/2009	04/22/2009	4.81	± 1.74	17.80	± 6.44	Molecular Sieve	
IDAHO FALLS	04/22/2009	05/13/2009	6.16	± 1.83	22.79	± 6.76	Molecular Sieve	Y
IDAHO FALLS	05/13/2009	05/29/2009	9.11	± 2.19	33.71	± 8.09	Molecular Sieve	Y
IDAHO FALLS	05/29/2009	06/10/2009	15.32	± 4.37	56.69	± 16.17	Molecular Sieve	Y
IDAHO FALLS	06/10/2009	06/19/2009	15.89	± 3.77	58.78	± 13.97	Molecular Sieve	Y
REXBURG	03/11/2009	04/15/2009	10.20	± 2.49	37.75	± 9.23	Molecular Sieve	Y
REXBURG	04/15/2009	05/06/2009	12.13	± 2.40	44.87	± 8.87	Molecular Sieve	Y
REXBURG	05/06/2009	05/27/2009	2.85	± 2.22	10.55	± 8.23	Molecular Sieve	
REXBURG	05/27/2009	06/10/2009	8.82	± 3.58	32.62	± 13.23	Molecular Sieve	
REXBURG	06/10/2009	06/24/2009	18.78	± 3.78	69.48	± 13.98	Molecular Sieve	Y