

Nuclides Analysis Result of the Radioactive Materials in the Seawater
< Coast, Fukushima Daiichi Nuclear Power Station, Within 20km Radius >

(Data summarized on March 26)

Place of Sampling	South side of the Ukedo Port (Approx. 5.5km north of Unit 5-6 Discharge Channel)				② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Feb 25, 2014 8:30 AM		Mar 4, 2014 8:30 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.055	0.00	0.013	0.00	60
Cs-137 (Approx. 30 years)	0.13	0.00	0.061	0.00	90

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

* Analyzed by: Tokyo Power Technology Ltd.

Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daiichi Nuclear Power Station >

(Data summarized on March 26)

Place of Sampling	North of Unit 5-6 Discharge Channel at Fukushima Daiichi NPS (Approx. 30m North of Unit 5-6 Discharge Channel)		Around South Discharge Channel of Fukushima Daiichi NPS (Approx. 1.3km South of Unit 1-4 Discharge Channel)		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Time of Sampling Mar 25, 2014 7:27 AM		Time of Sampling Mar 25, 2014 5:37 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND(0.64)	-	ND(0.75)	-	40
Cs-134 (Approx. 2 years)	ND(0.88)	-	ND(0.66)	-	60
Cs-137 (Approx. 30 years)	1.4	0.02	ND(0.53)	-	90

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* Data of other nuclides is under evaluation.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* "ND" indicates that the measurement result is below the detection limit, which is provided in parentheses.

**Nuclides Analysis Result of the Radioactive Materials in the Seawater
< Coast, Fukushima Daiichi Nuclear Power Station, Remeasurement >**

(Data summarized on March 26)

Place of Sampling	North of Unit 5-6 Discharge Channel at Fukushima Daiichi NPS (Approx. 30m North of Unit 5-6 Discharge Channel)				Around South Discharge Channel of Fukushima Daiichi NPS (Approx. 1.3km South of Unit 1-4 Discharge Channel)				② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Feb 24, 2014 6:25 AM		Mar 3, 2014 6:33 AM		Feb 24, 2014 5:30 AM		Mar 3, 2014 5:41 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.29	0.00	0.31	0.01	0.27	0.00	0.19	0.00	60
Cs-137 (Approx. 30 years)	0.76	0.01	0.81	0.01	0.67	0.01	0.48	0.01	90

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

* Analyzed by: Tokyo Power Tecnology Ltd.

Nuclides Analysis Result of the Radioactive Materials in the Seawater
< Coast, Fukushima Daini Nuclear Power Station >

(Data summarized on March 26)

Place of Sampling	2F Around the North Discharge Channel (Around Unit 3-4 Discharge Channel) (Approx. 10km from 1F)				Around the North Side of Asamigawa (Approx. 11km South of Unit 1 & 2 Discharge Channel) (Approx. 23km from 1F)				② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Feb 25, 2014 9:40 AM		Mar 4, 2014 9:30 AM		Feb 25, 2014 11:30 AM		Mar 4, 2014 11:30 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.066	0.00	0.050	0.00	0.060	0.00	0.062	0.00	60
Cs-137 (Approx. 30 years)	0.17	0.00	0.14	0.00	0.14	0.00	0.16	0.00	90

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* Data of other nuclides is under evaluation.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.
Analyzed by Tokyo Power Technology Ltd.

Nuclides Analysis Result of Radioactive Materials in the Seawater <Offshore 1/4>

(Data summarized on March 26)

Place of Sampling (Place No.)	*1				*1				*1				② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	3km Offshore of Odaka Ward (T-14)		3km Offshore of Odaka Ward (T-14)		3km Offshore of Odaka Ward (T-14)		3km Offshore of Odaka Ward (T-14)		3km Offshore of Odaka Ward (T-14)		3km Offshore of Odaka Ward (T-14)		
Time of Sampling	Upper Layer	Lower Layer	Upper Layer	Lower Layer	Upper Layer	Lower Layer	Upper Layer	Lower Layer	Upper Layer	Lower Layer	Upper Layer	Lower Layer	
	Feb 11, 2014 9:26 AM		Feb 11, 2014 9:26 AM		Feb 19, 2014 8:53 AM		Feb 19, 2014 8:53 AM		Feb 26, 2014 9:09 AM		Feb 26, 2014 9:09 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.020	0.00	0.021	0.00	0.012	0.00	0.0087	0.00	0.013	0.00	0.017	0.00	60
Cs-137 (Approx. 30 years)	0.049	0.00	0.053	0.00	0.029	0.00	0.025	0.00	0.033	0.00	0.048	0.00	90

Place of Sampling (Place No.)	*2				*2				*2				② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	3km Offshore of Ukedo River (T-D1)		3km Offshore of Fukushima Daiichi NPS (T-D5)		3km Offshore of Fukushima Daiichi NPS (T-D5)		3km Offshore of Fukushima Daini NPS (T-D9)		3km Offshore of Fukushima Daini NPS (T-D9)		3km Offshore of Fukushima Daini NPS (T-D9)		
Time of Sampling	Upper Layer	Lower Layer	Upper Layer	Lower Layer	Upper Layer	Lower Layer	Upper Layer	Lower Layer	Upper Layer	Lower Layer	Upper Layer	Lower Layer	
	Feb 26, 2014 9:31 AM		Feb 26, 2014 9:31 AM		Feb 26, 2014 10:31 AM		Feb 26, 2014 10:31 AM		Feb 26, 2014 9:54 AM		Feb 26, 2014 9:54 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.014	0.00	0.013	0.00	0.013	0.00	0.0069	0.00	0.025	0.00	0.0066	0.00	60
Cs-137 (Approx. 30 years)	0.038	0.00	0.034	0.00	0.042	0.00	0.017	0.00	0.061	0.00	0.016	0.00	90

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

* Analyzed by: *1 THE GENERAL ENVIRONMENTAL TECHNOS Co., LTD., *2 Tokyo Power Technology Ltd.

Nuclides Analysis Result of Radioactive Materials in the Seawater <Offshore 2/4>

(Data summarized on March 26)

Place of Sampling (Place No.)	15km Offshore of Fukushima Daiichi NPS (T-5)				15km Offshore of Fukushima Daiichi NPS (T-5)				3km Offshore of Iwasawa Shore (T-11)				② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Upper Layer		Lower Layer		Upper Layer		Lower Layer		Upper Layer		Lower Layer		
Time of Sampling	Feb 18, 2014 9:42 AM		Feb 18, 2014 9:42 AM		Feb 26, 2014 8:46 AM		Feb 26, 2014 8:46 AM		Feb 18, 2014 11:16 AM		Feb 18, 2014 11:16 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	ND	-	0.0025	0.00	0.0021	0.00	0.0036	0.00	0.035	0.00	0.031	0.00	60
Cs-137 (Approx. 30 years)	0.0038	0.00	0.0081	0.00	0.0052	0.00	0.0096	0.00	0.088	0.00	0.082	0.00	90

Place of Sampling (Place No.)	3km Offshore of Iwasawa Shore (T-11)				15km Offshore of Iwasawa Shore (T-7)				3km Offshore of Northern Iwaki City (T-12)				② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Upper Layer		Lower Layer		Upper Layer		Lower Layer		Upper Layer		Lower Layer		
Time of Sampling	Feb 26, 2014 10:35 AM		Feb 26, 2014 10:35 AM		Feb 18, 2014 8:05 AM		Feb 18, 2014 8:05 AM		Feb 22, 2014 6:30 AM		Feb 22, 2014 6:30 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.027	0.00	0.012	0.00	0.0020	0.00	0.0026	0.00	0.025	0.00	0.017	0.00	60
Cs-137 (Approx. 30 years)	0.066	0.00	0.028	0.00	0.0067	0.00	0.010	0.00	0.063	0.00	0.045	0.00	90

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* "ND" indicates that the measurement result is below the detection limit.

Cs-134: Approx.0.0011Bq/L As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

* Analyzed by: THE GENERAL ENVIRONMENTAL TECHNOS Co., LTD.

Nuclides Analysis Result of Radioactive Materials in the Seawater <Offshore 3/4>

(Data summarized on March 26)

Place of Sampling (Place No.)	1km Offshore of Natsui River (T-17-1)				3km Offshore of Toyoma (T-20)				Around 1km Offshore of Ota River (T-S1)				② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Upper Layer		Lower Layer		Upper Layer		Lower Layer		Upper Layer		Lower Layer		
Time of Sampling	Feb 22, 2014 6:56 AM		Feb 22, 2014 6:56 AM		Feb 22, 2014 7:24 AM		Feb 22, 2014 7:24 AM		Feb 20, 2014 6:36 AM		Feb 20, 2014 6:36 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.023	0.00	0.010	0.00	0.011	0.00	0.0039	0.00	0.013	0.00	0.013	0.00	60
Cs-137 (Approx. 30 years)	0.060	0.00	0.027	0.00	0.032	0.00	0.013	0.00	0.035	0.00	0.035	0.00	90

Place of Sampling (Place No.)	Around 3km Offshore of Odaka Ward (T-S2)				Around 3km Offshore of Ukedo River (T-S3)				Around 3km Offshore of Fukushima Daiichi NPS (T-S4)				② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Upper Layer		Lower Layer		Upper Layer		Lower Layer		Upper Layer		Lower Layer		
Time of Sampling	Feb 20, 2014 6:09 AM		Feb 20, 2014 6:09 AM		Feb 27, 2014 7:28 AM		Feb 27, 2014 7:28 AM		Feb 27, 2014 7:06 AM		Feb 27, 2014 7:06 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.019	0.00	0.0084	0.00	0.014	0.00	0.010	0.00	0.017	0.00	0.017	0.00	60
Cs-137 (Approx. 30 years)	0.049	0.00	0.024	0.00	0.036	0.00	0.027	0.00	0.043	0.00	0.047	0.00	90

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

* Analyzed by: THE GENERAL ENVIRONMENTAL TECHNOS Co., LTD.

Nuclides Analysis Result of Radioactive Materials in the Seawater <Offshore 4/4>

(Data summarized on March 26)

Place of Sampling (Place No.)	Around 2km Offshore of Kido River(T-S5)				Around 2km Offshore of Fukushima Daini NPS (T-S7)				Arounmd 15km Offshore of Odaka Ward (T-B1)				② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Upper Layer		Lower Layer		Upper Layer		Lower Layer		Upper Layer		Lower Layer		
Time of Sampling	Feb 23, 2014 6:44 AM		Feb 23, 2014 6:44 AM		Feb 23, 2014 6:24 AM		Feb 23, 2014 6:24 AM		Feb 25, 2014 6:31 AM		Feb 25, 2014 6:31 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.054	0.00	0.052	0.00	0.042	0.00	0.030	0.00	0.0025	0.00	0.0049	0.00	60
Cs-137 (Approx. 30 years)	0.13	0.00	0.13	0.00	0.10	0.00	0.074	0.00	0.0076	0.00	0.014	0.00	90

Place of Sampling (Place No.)	Around 18km Offshore of Ukedo River (T-B2)				Around 10km Offshore of 1F (T-B3)				Around 10km Offshore of 2F (T-B4)				② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Upper Layer		Lower Layer		Upper Layer		Lower Layer		Upper Layer		Lower Layer		
Time of Sampling	Feb 25, 2014 6:05 AM		Feb 25, 2014 6:05 AM		Feb 7, 2014 5:58 AM		Feb 7, 2014 5:58 AM		Feb 7, 2014 6:43 AM		Feb 7, 2014 6:43 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.0024	0.00	0.012	0.00	0.0033	0.00	0.0027	0.00	0.0027	0.00	0.0031	0.00	60
Cs-137 (Approx. 30 years)	0.0090	0.00	0.032	0.00	0.0089	0.00	0.010	0.00	0.0094	0.00	0.0087	0.00	90

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

* Analyzed by: THE GENERAL ENVIRONMENTAL TECHNOS Co., LTD.

Nuclides Analysis Result of Radioactive Materials in the Seawater <1/4>

(Data summarized on March 26)

Place of Sampling (Place No.)	North of Unit 5-6 Discharge Channel at Fukushima Daiichi NPS (Approx. 30m North of Unit 5-6 Discharge Channel) (T-1)		Around South Discharge Channel of Fukushima Daiichi NPS (Approx. 1.3km South of Unit 1-4 Discharge Channel) (T-2-1)		/		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Date of Sampling	Feb 10, 2014		Feb 17, 2014		/	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND(0.75)	—	ND(0.68)	—	/	/	40
Cs-134 (Approx. 2 years)	ND(0.80)	—	ND(0.71)	—	/	/	60
Cs-137 (Approx. 30 years)	ND(0.81)	—	0.64	0.01	/	/	90
H-3 (approx. 12yrs)	ND(1.7)	—	ND(1.4)	—	/	/	60,000
Gross α	ND(1.6)	—	ND(1.6)	—	/	/	—
Gross β	12	—	11	—	/	/	—
Sr-90 (Approx. 29 years)	0.017	0.00	0.030	0.00	/	/	30

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* Nuclide analysis results of I-131, Cs-134, Cs-137 and Gross β were announced on Feb 11 and 18. Nuclide analysis results of H-3 were announced on Feb 14 a

* When the measurement value is below the detection limit, "ND" is marked.

* Nuclides analysis of Sr-90 was done by Japan Chemical Analysis Center.

(Evaluation)

Gross β and Sr-90 were detected supposedly as a result of this accident.

Nuclides Analysis Result of Radioactive Materials in the Seawater <2/4>

(Data summarized on March 26)

Place of Sampling (Place No.)	Around the North Discharge Channel of 2F (T-3) (Around Unit 3-4 Discharge Channel) (Approx. 10km from 1F)	South side of the Ukedo Port (T-6) (Approx. 5.5km north of Unit 5-6 Discharge Channel)					② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Date of Sampling	Feb 18, 2014	Feb 25, 2014					
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.13	0.00	0.055	0.00	/		60
Cs-137 (Approx. 30 years)	0.29	0.00	0.13	0.00	/		90
H-3 (approx. 12yrs)	ND	—	ND	—	/		60,000
All β	ND	—	ND	—	/		—

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* Nuclide analysis results of Cs-134 and Cs-137 were announced on March 14.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

H-3: Approx. 0.30Bq/L, All β: Approx. 16Bq/L,

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

(Evaluation)

H-3 and Gross β were not detected in the sample collected this time.

Nuclides Analysis Result of Radioactive Materials in the Seawater <3/4>

(Data summarized on March 26)

Place of Sampling (Place No.)	15km Offshore of Fukushima Daiichi NPS (T-5) Upper Layer		3km Offshore of Ukedo River (T-D1) Upper Layer		3km Offshore of Fukushima Daiichi NPS (T-D5) Upper Layer		② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Date of Sampling		Date of Sampling		Date of Sampling		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	ND	—	0.015	0.00	0.022	0.00	60
Cs-137 (Approx. 30 years)	0.0038	0.00	0.039	0.00	0.052	0.00	90
H-3 (approx. 12yrs)	ND	—	0.34	0.00	0.35	0.00	60,000
Gross α	—	—	—	—	—	—	—
Gross β	ND	—	ND	—	ND	—	—
Sr-90 (Approx. 29 years)	—	—	—	—	—	—	30

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* Nuclide analysis results of Cs-134, Cs-137 obtained at 3km Offshore of Ukedo River (T-D1) and 3km Offshore of Fukushima Daiichi NPS (T-D5) were announced on March 14, 2014.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Cs-134: Approx. 0.0011Bq/L, H-3: Approx. 0.30Bq/L, Gross β: Approx. 16Bq/L

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

(Evaluation)

H-3 was detected supposedly as a result of this accident.

Nuclides Analysis Result of Radioactive Materials in the Seawater <4/4>

(Data summarized on March 26)

Place of Sampling (Place No.)	3km Offshore of Fukushima Daini NPS (T-D9) Upper Layer						② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Date of Sampling	Feb 18, 2014						
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
Cs-134 (Approx. 2 years)	0.0099	0.00					60
Cs-137 (Approx. 30 years)	0.030	0.00					90
H-3 (approx. 12yrs)	ND	—					60,000
Gross α	—	—					—
Gross β	ND	—					—
Sr-90 (Approx. 29 years)	—	—					30

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

* Nuclide analysis results of Cs-134, Cs-137 were announced on March 14, 2014.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

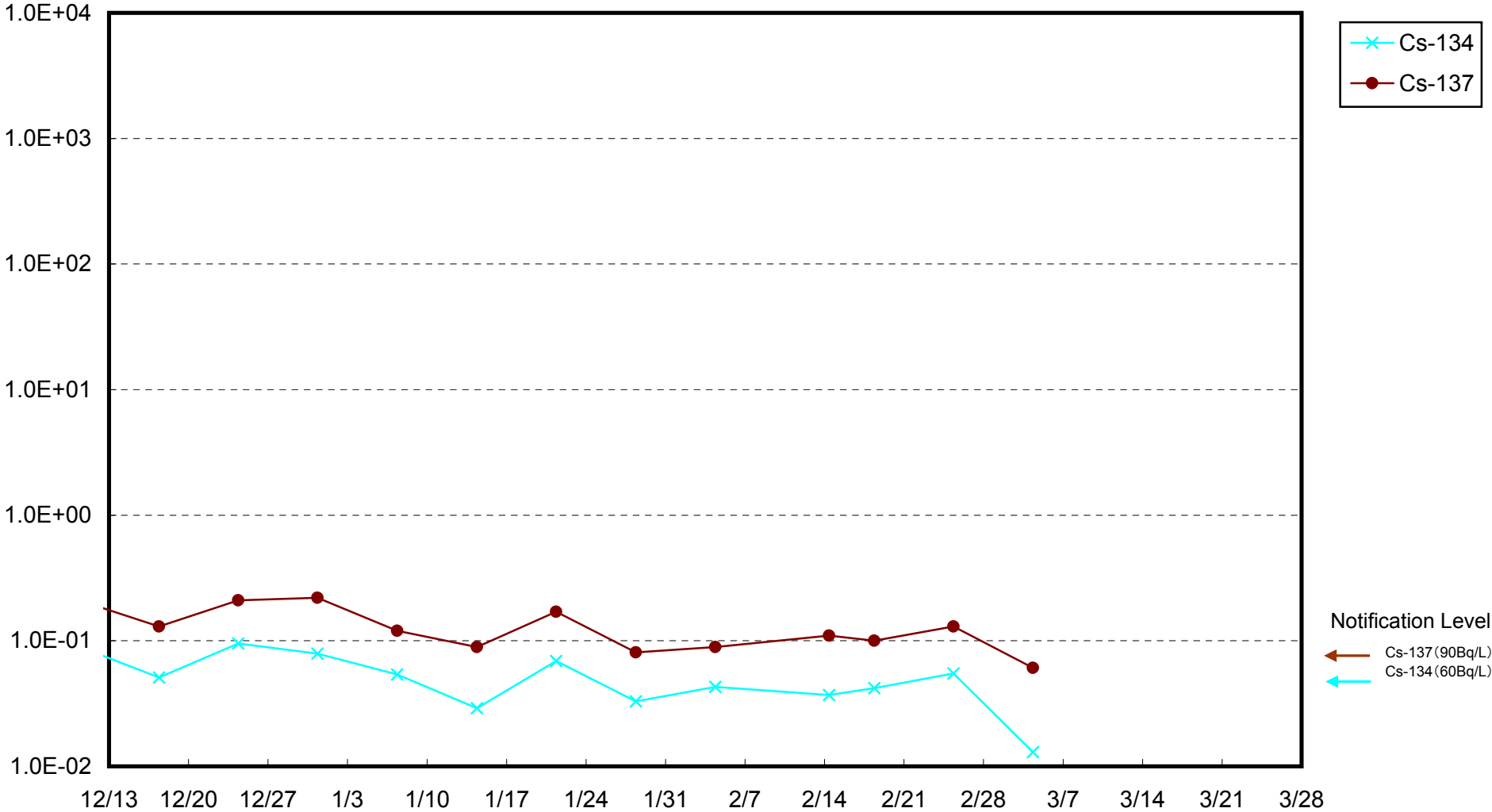
H-3: Approx. 0.30Bq/L, Gross β: Approx. 15Bq/L

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

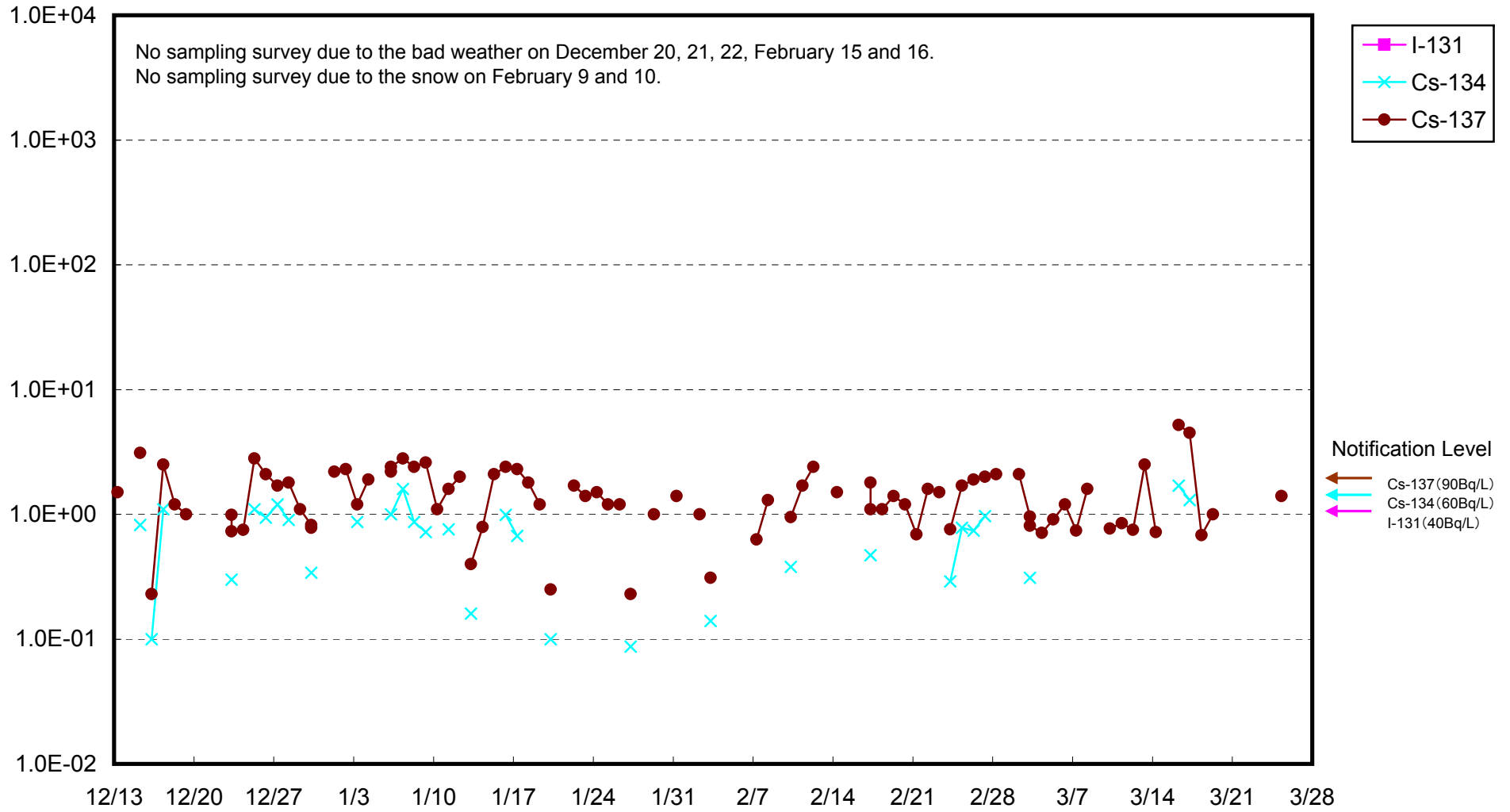
(Evaluation)

H-3 and Gross β were not detected in the sample collected this time.

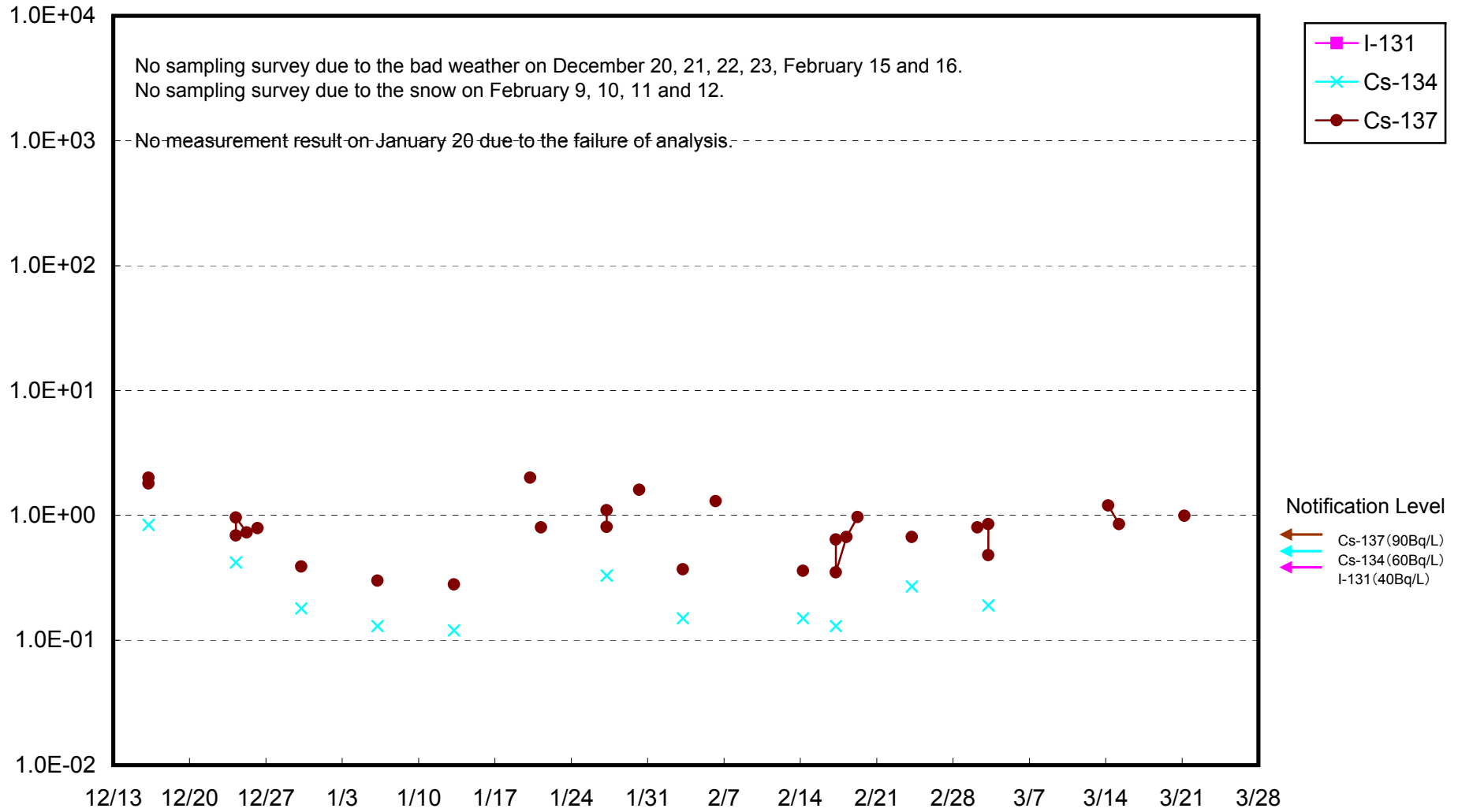
Radioactivity Density of the South Side of the Ukedo Port (Bq/L)



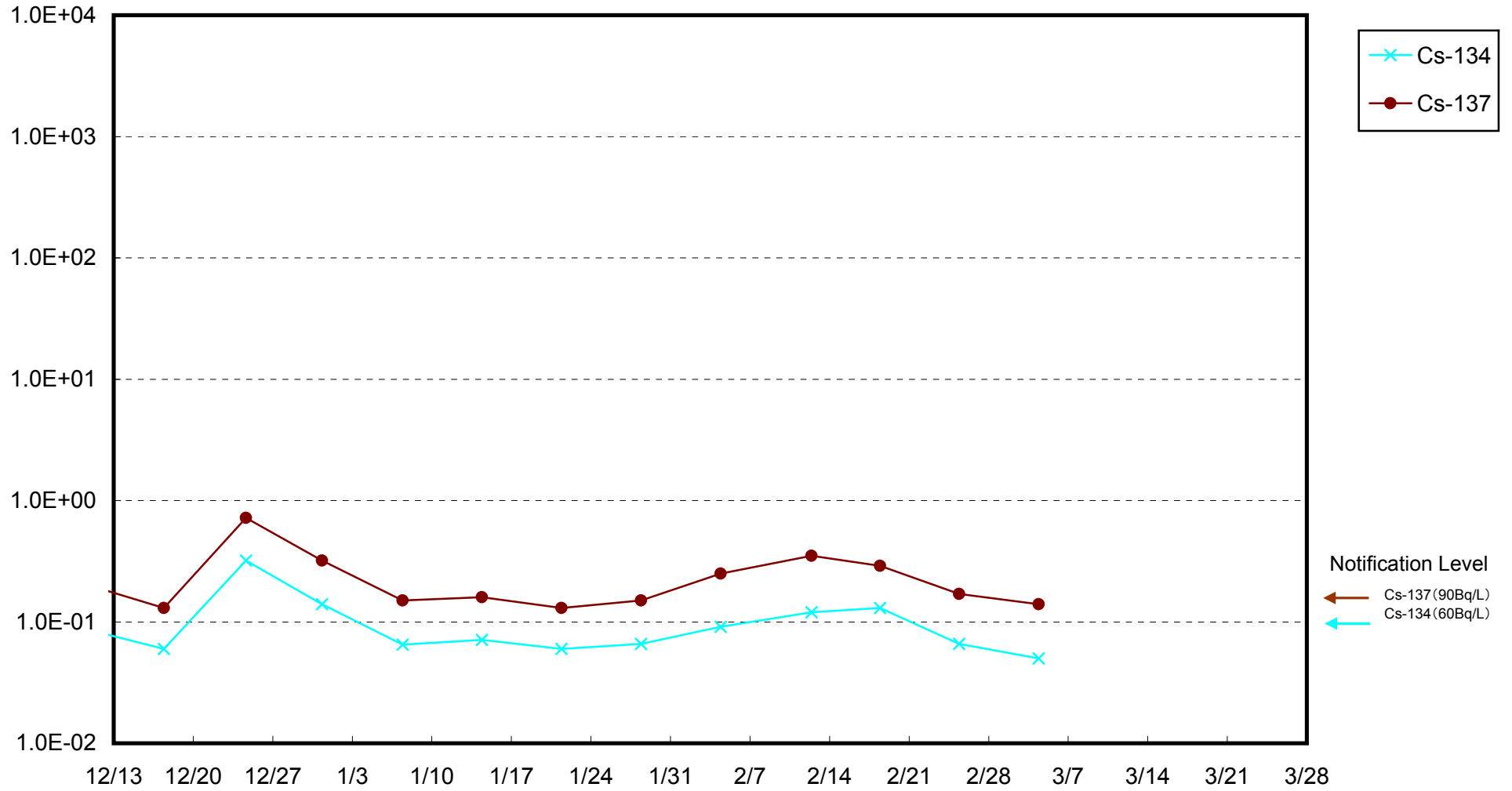
Radioactivity Density of the Seawater at 1F Units 5-6 North Discharge Channel (Bq/L)



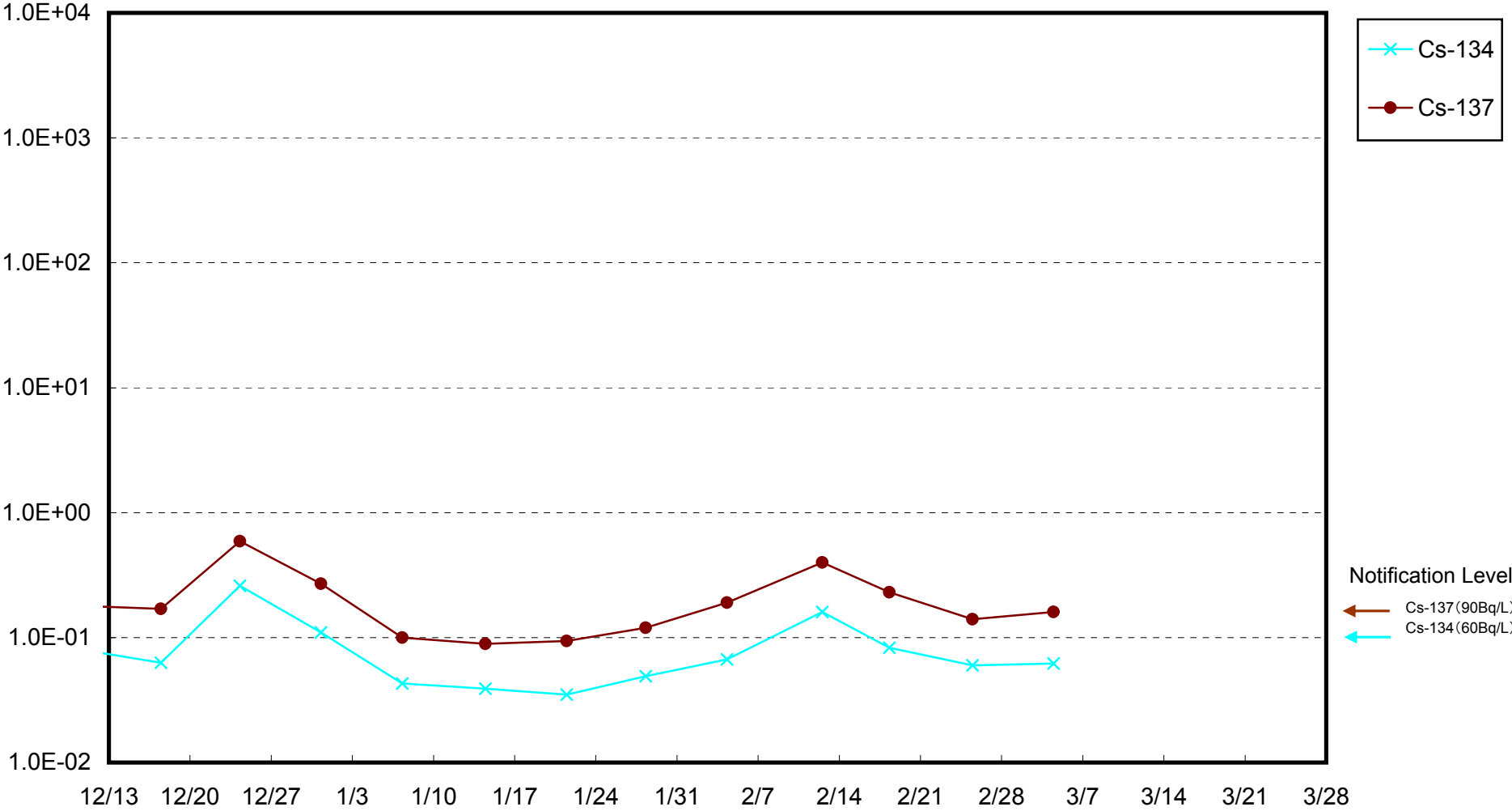
Radioactivity Density of the Seawater at 1F South Discharge Channel (Bq/L)



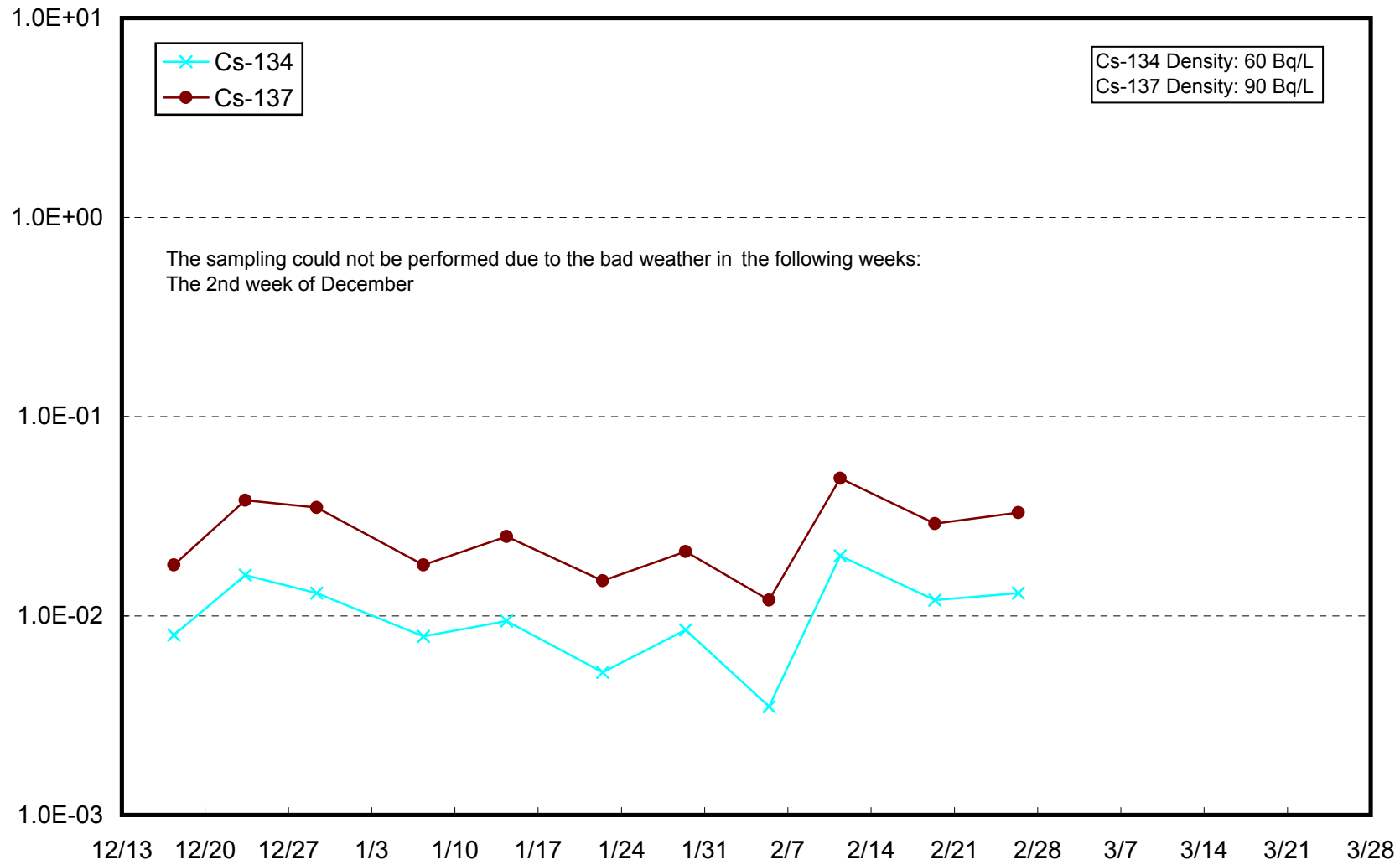
Radioactivity Density of the Seawater at 2F North Discharge Channel (Bq/L)



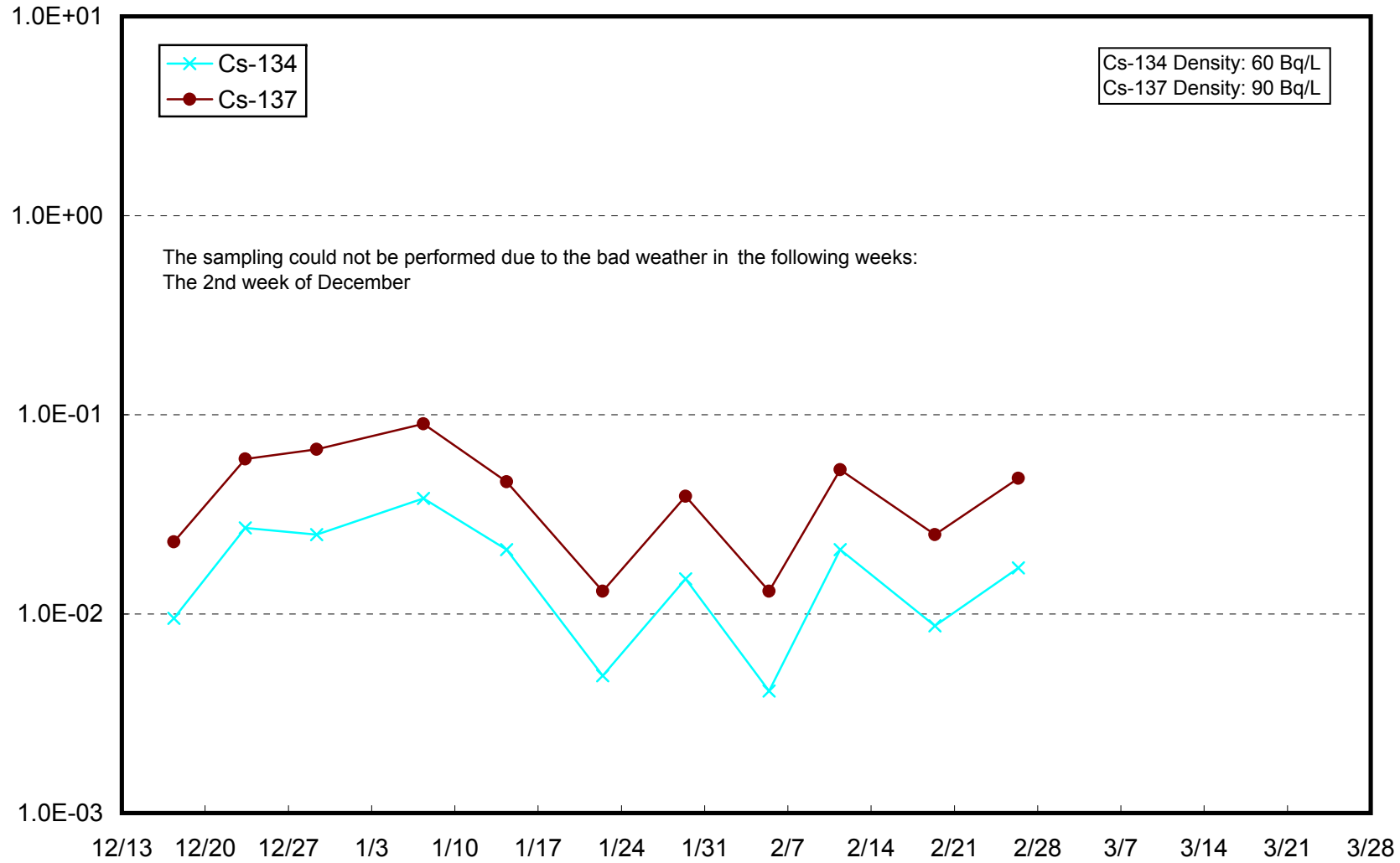
Radioactivity Density of the Seawater Around the Iwasawa Shore of 2F (Bq/L)



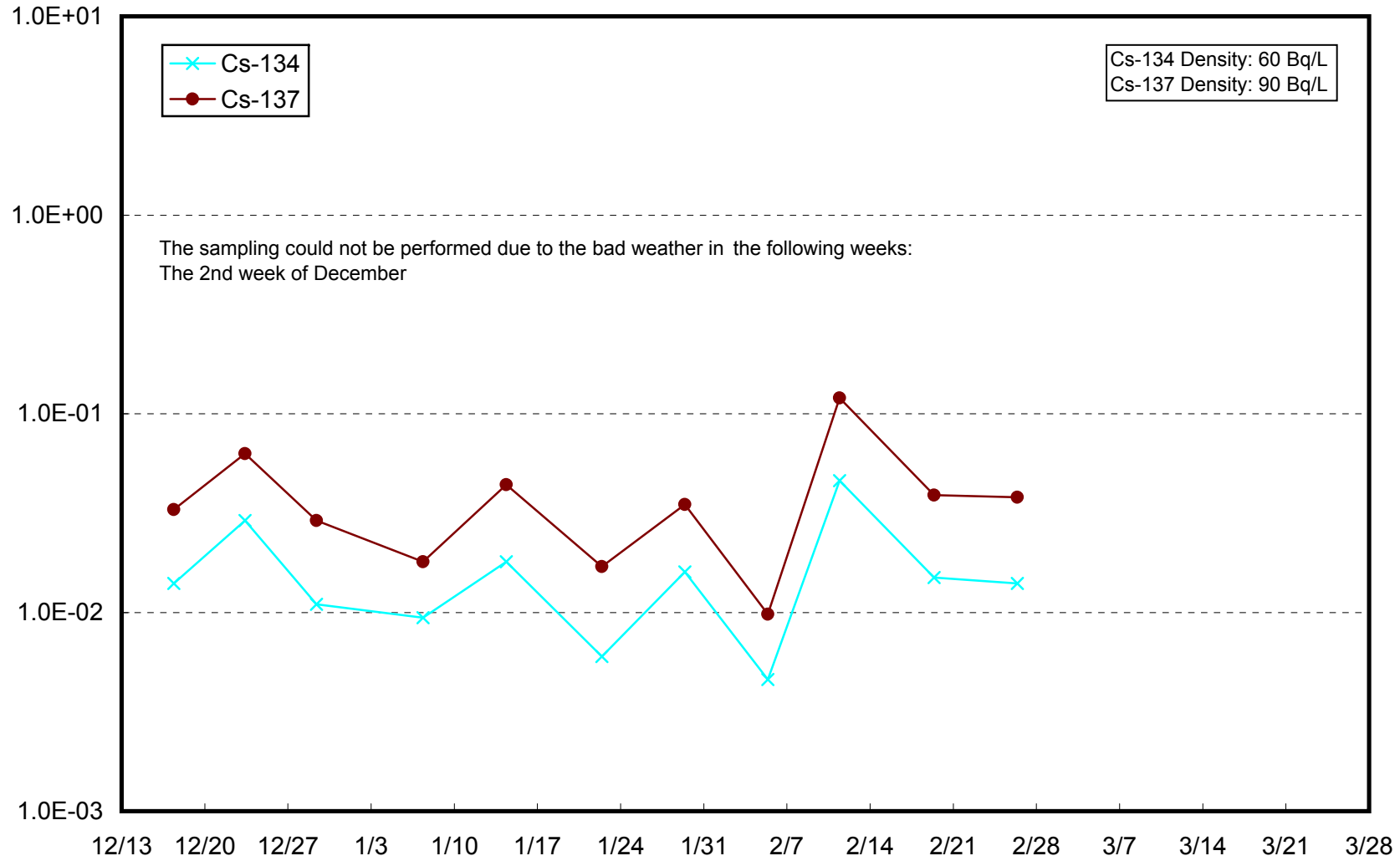
Radioactivity Density of the Seawater at 3km Offshore of Odaka Ward (T-14) Upper Layer (Bq/L)



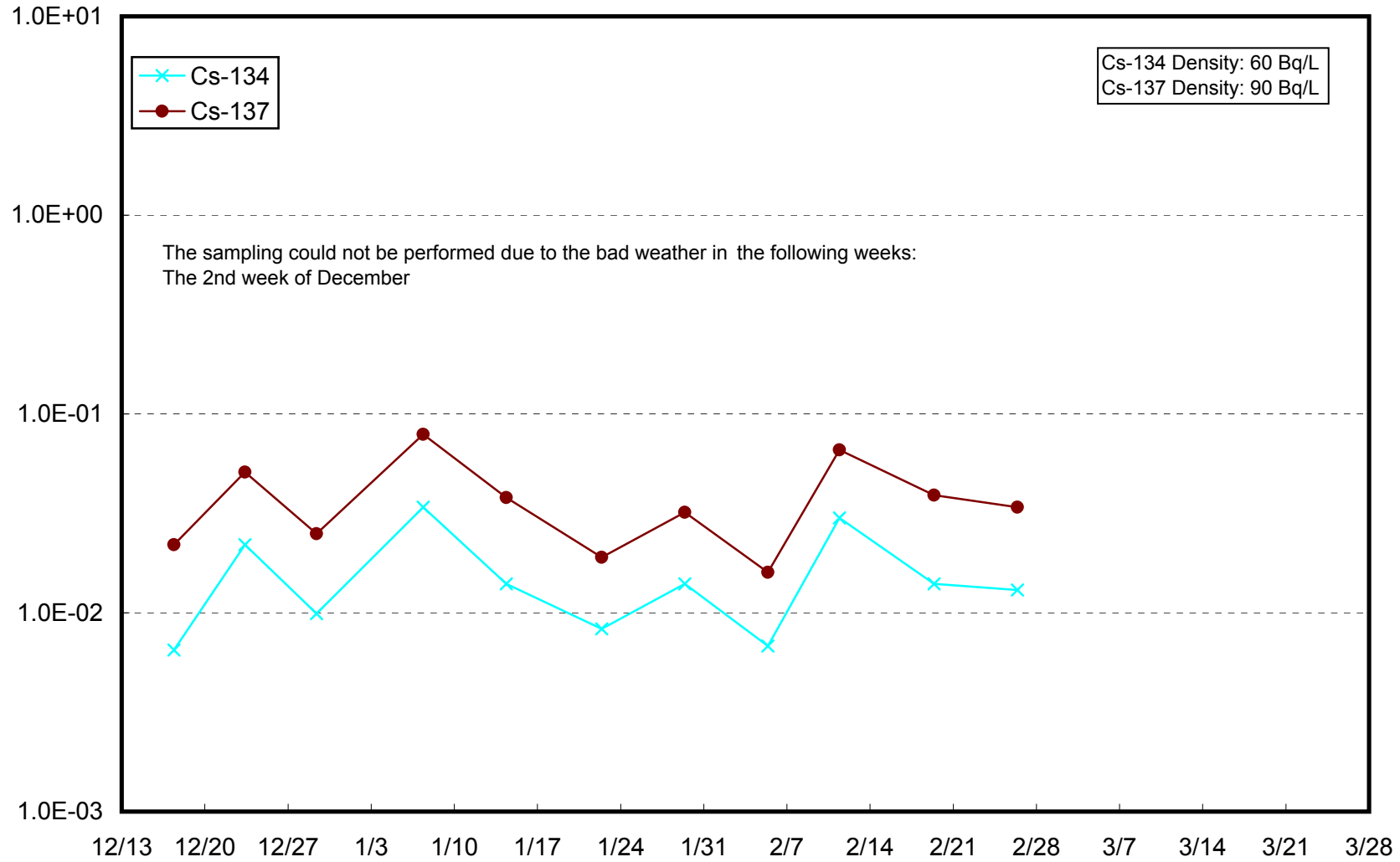
Radioactivity Density of the Seawater at 3km Offshore of Odaka Ward (T-14) Lower Layer (Bq/L)



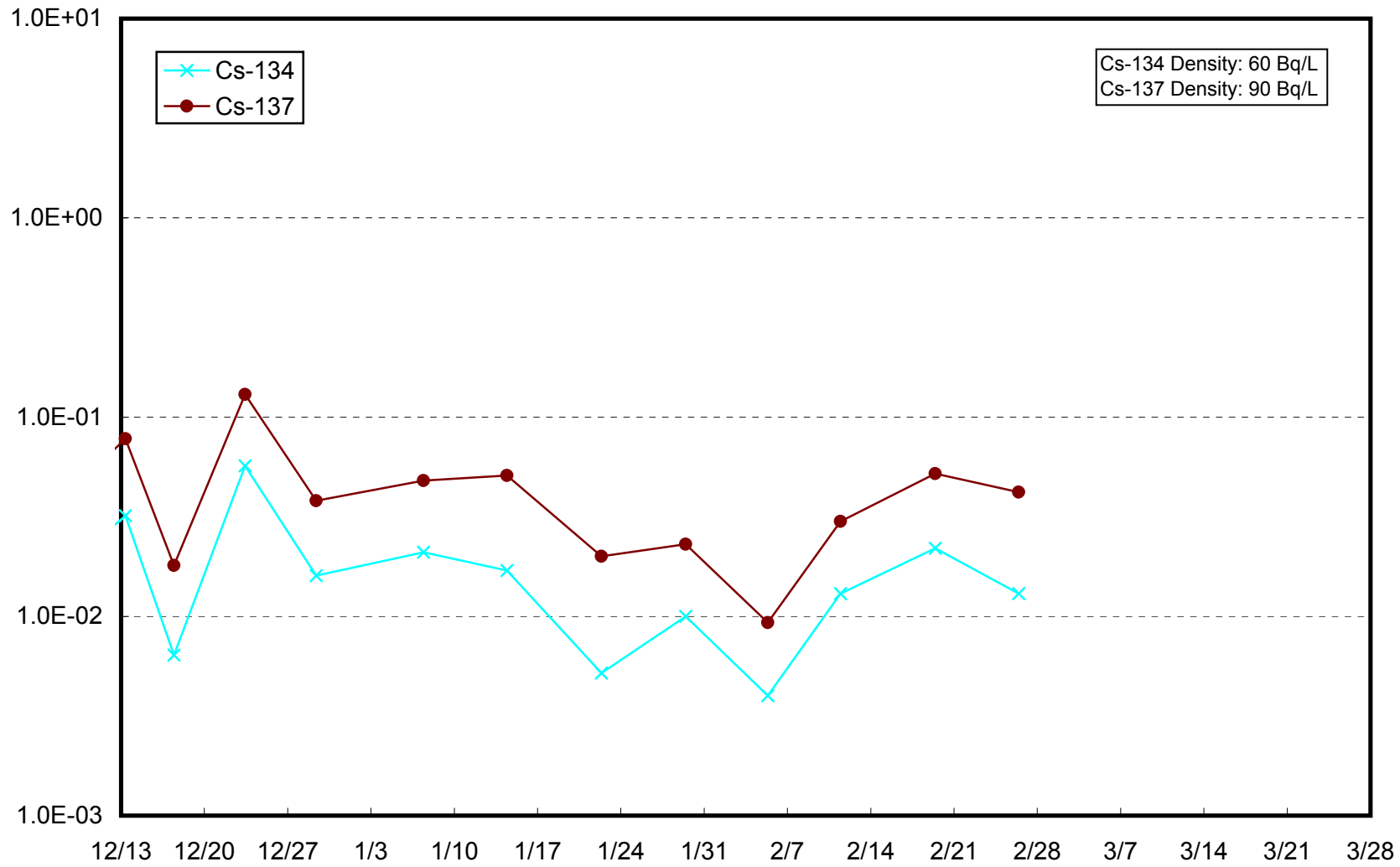
Radioactivity Density of the Seawater at 3km Offshore of Ukedo River (T-D1) Upper Layer (Bq/L)



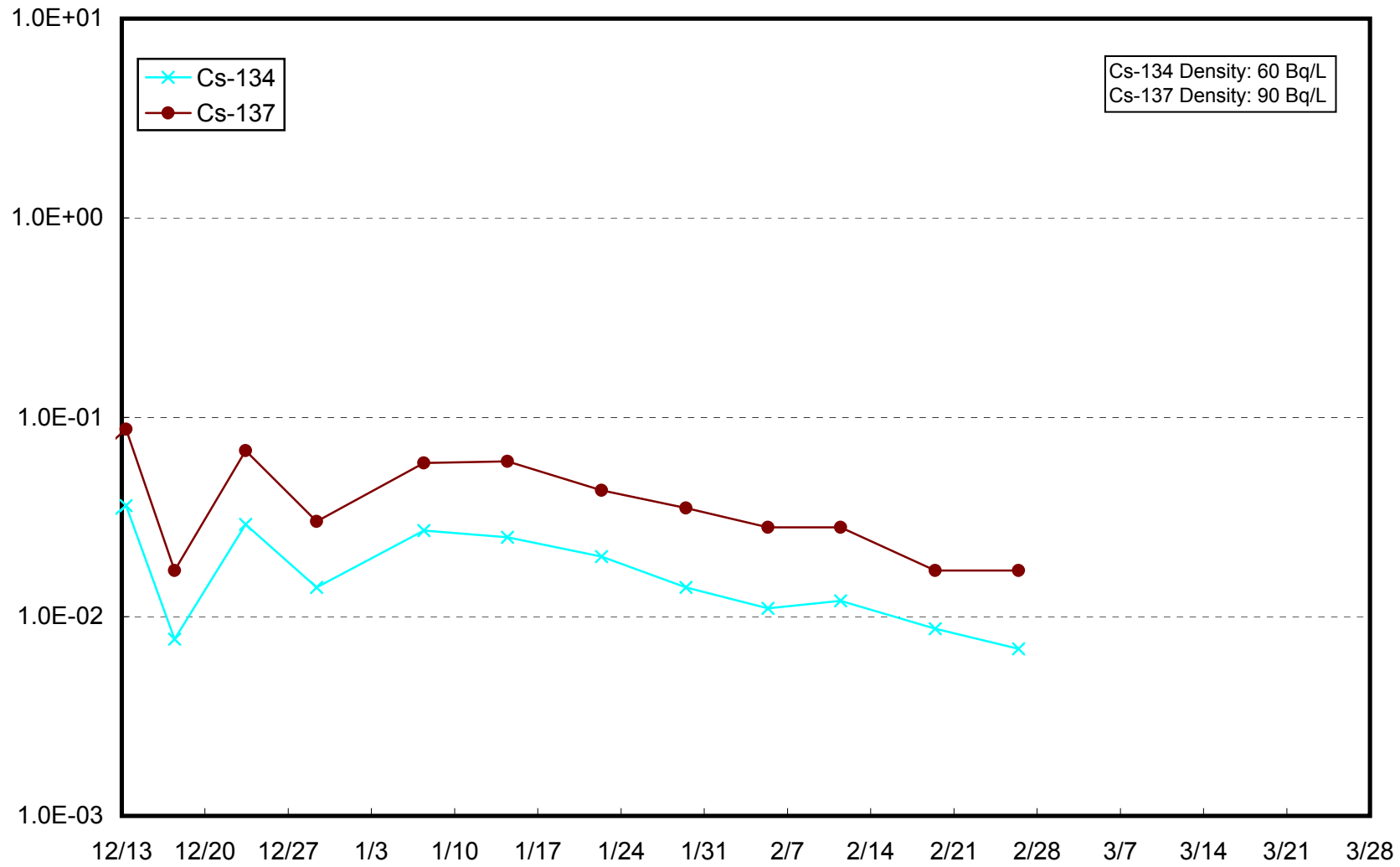
Radioactivity Density of the Seawater at 3km Offshore of Ukedo River (T-D1) Lower Layer (Bq/L)



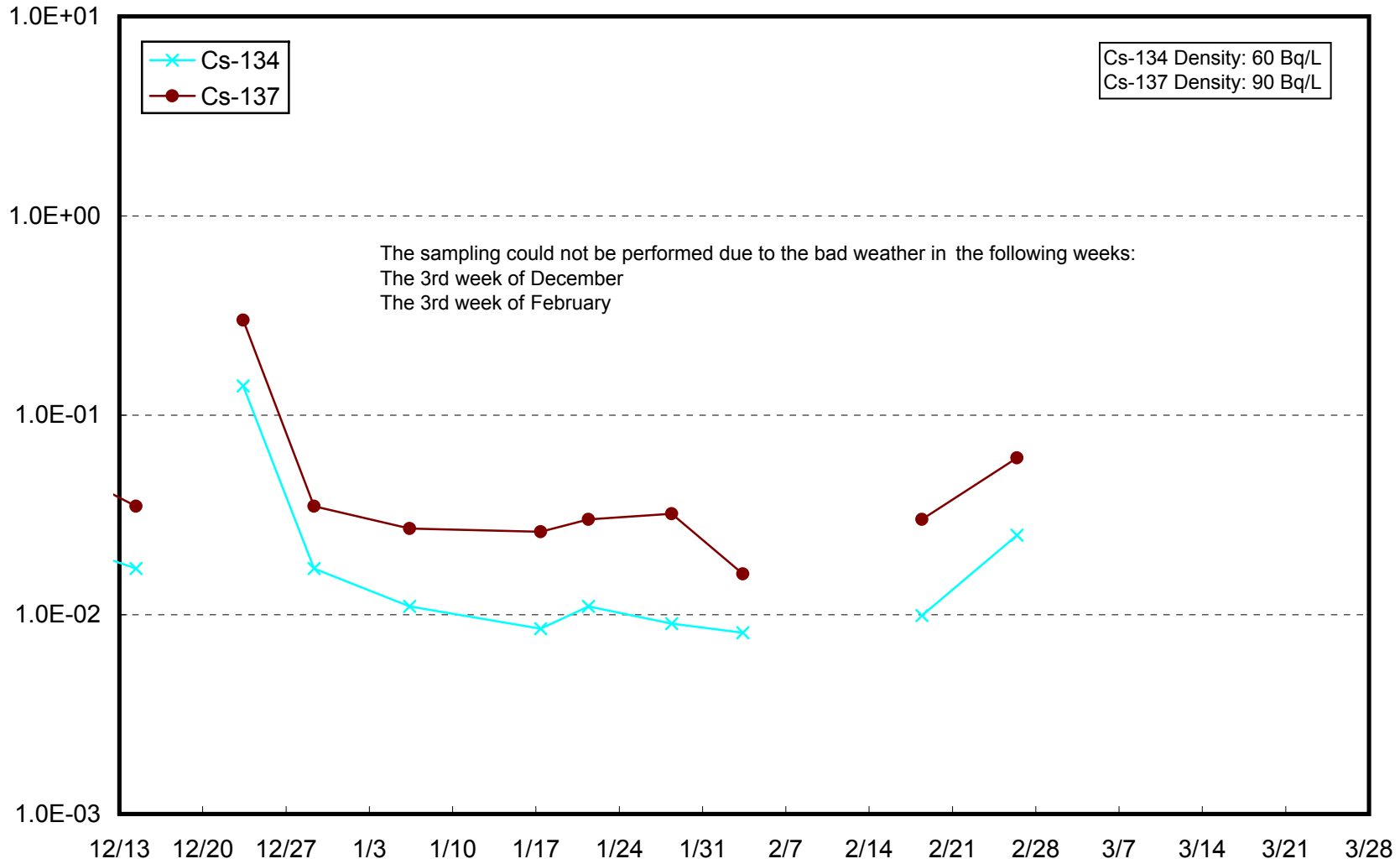
Radioactivity Density of the Seawater at 3km Offshore of Fukushima Daiichi NPS (T-D5) Upper Layer (Bq/L)



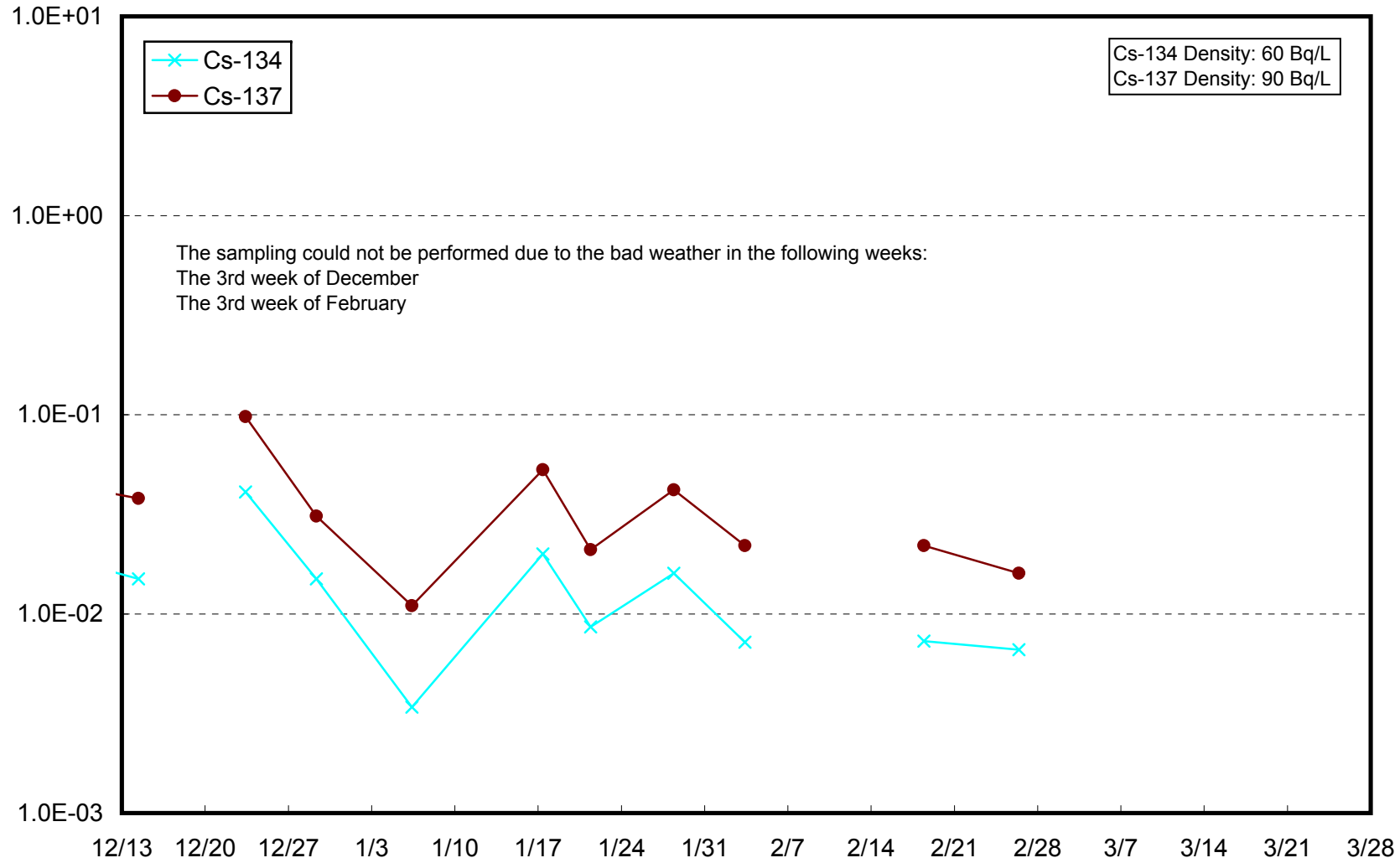
Radioactivity Density of the Seawater at 3km Offshore of Fukushima Daiichi NPS (T-D5) Lower Layer (Bq/L)



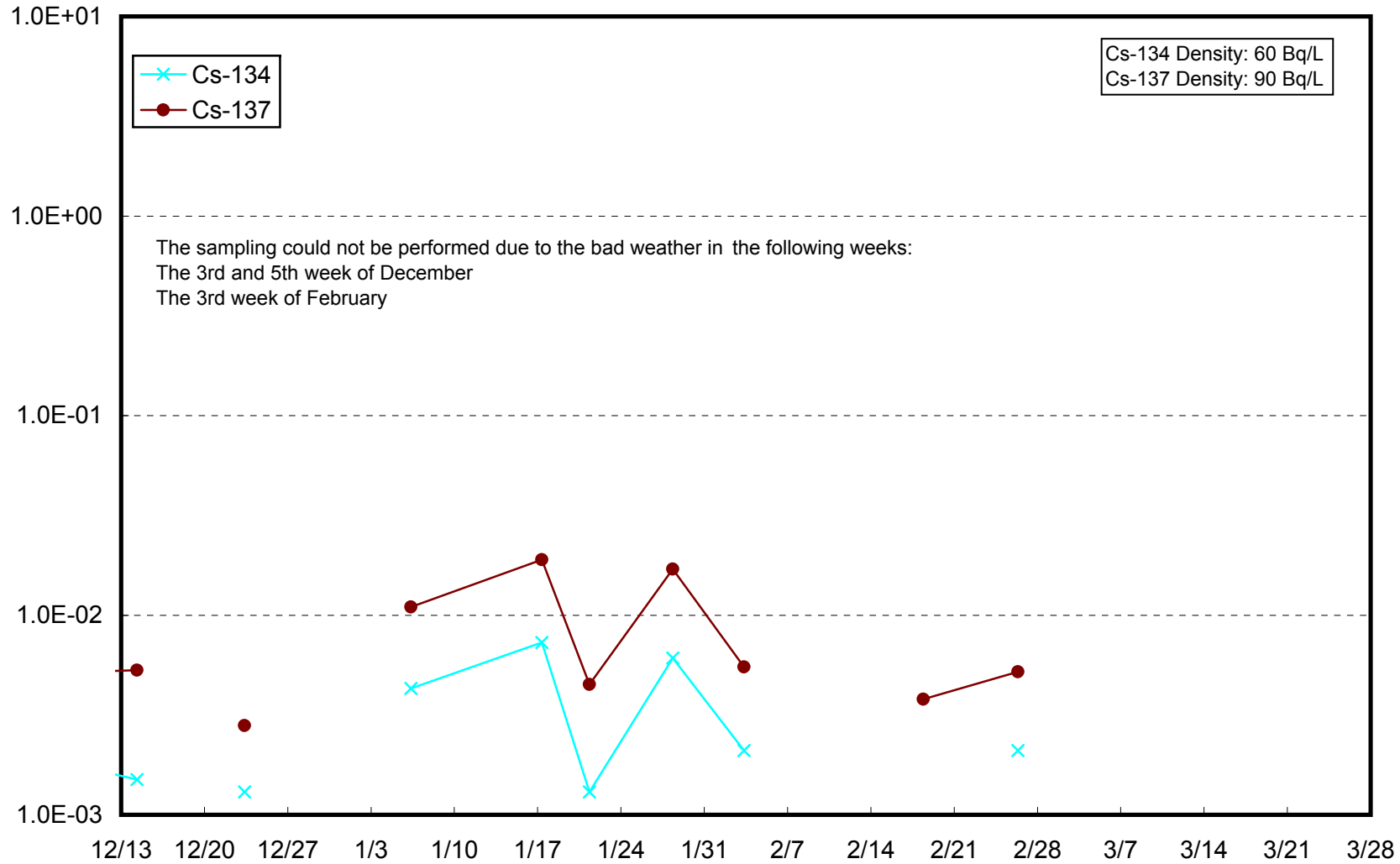
Radioactivity Density of the Seawater at 3km Offshore of Fukushima Daini NPS (T-D9) Upper Layer (Bq/L)



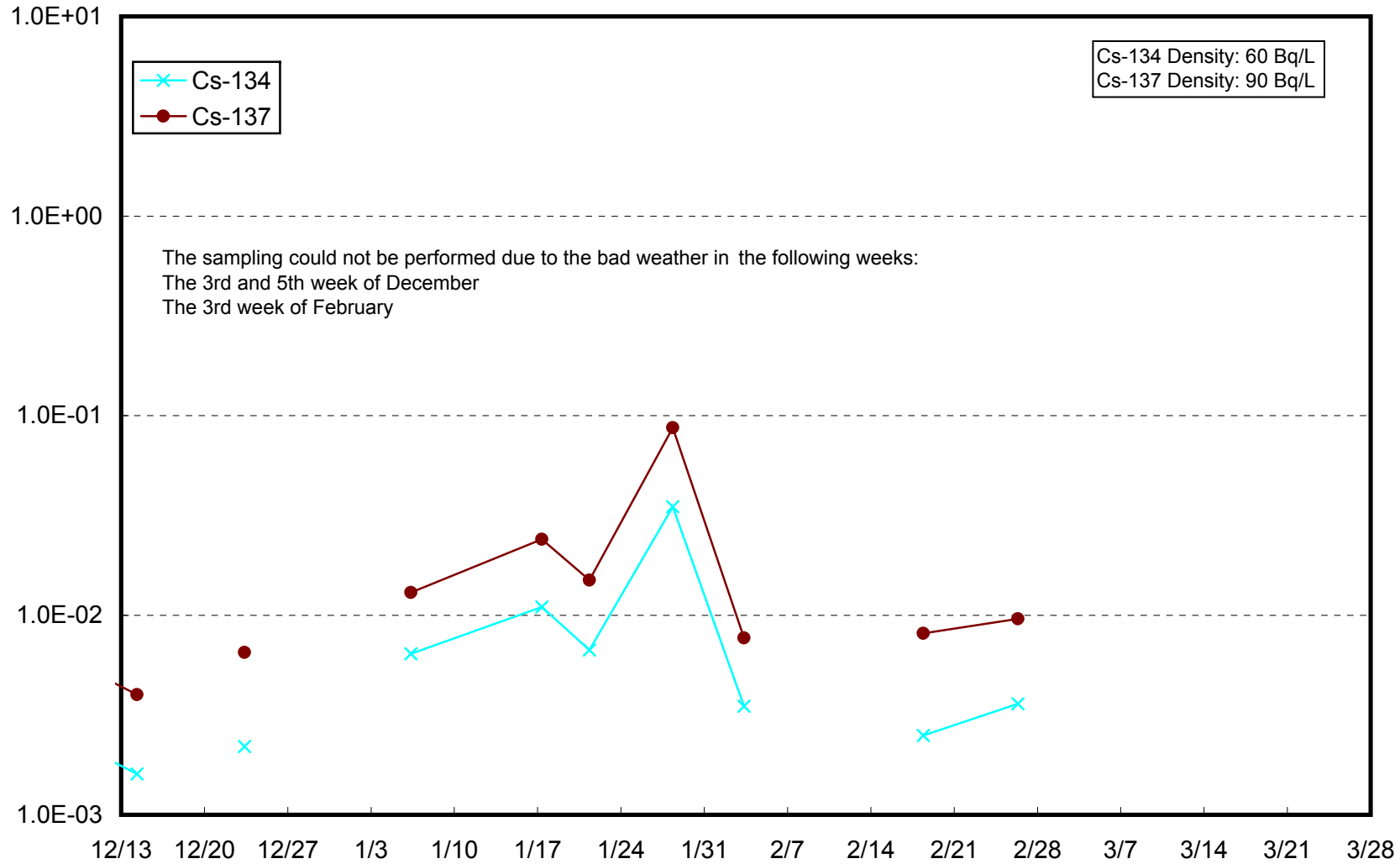
Radioactivity Density of the Seawater at 3km Offshore of Fukushima Daini NPS (T-D9) Lower Layer (Bq/L)



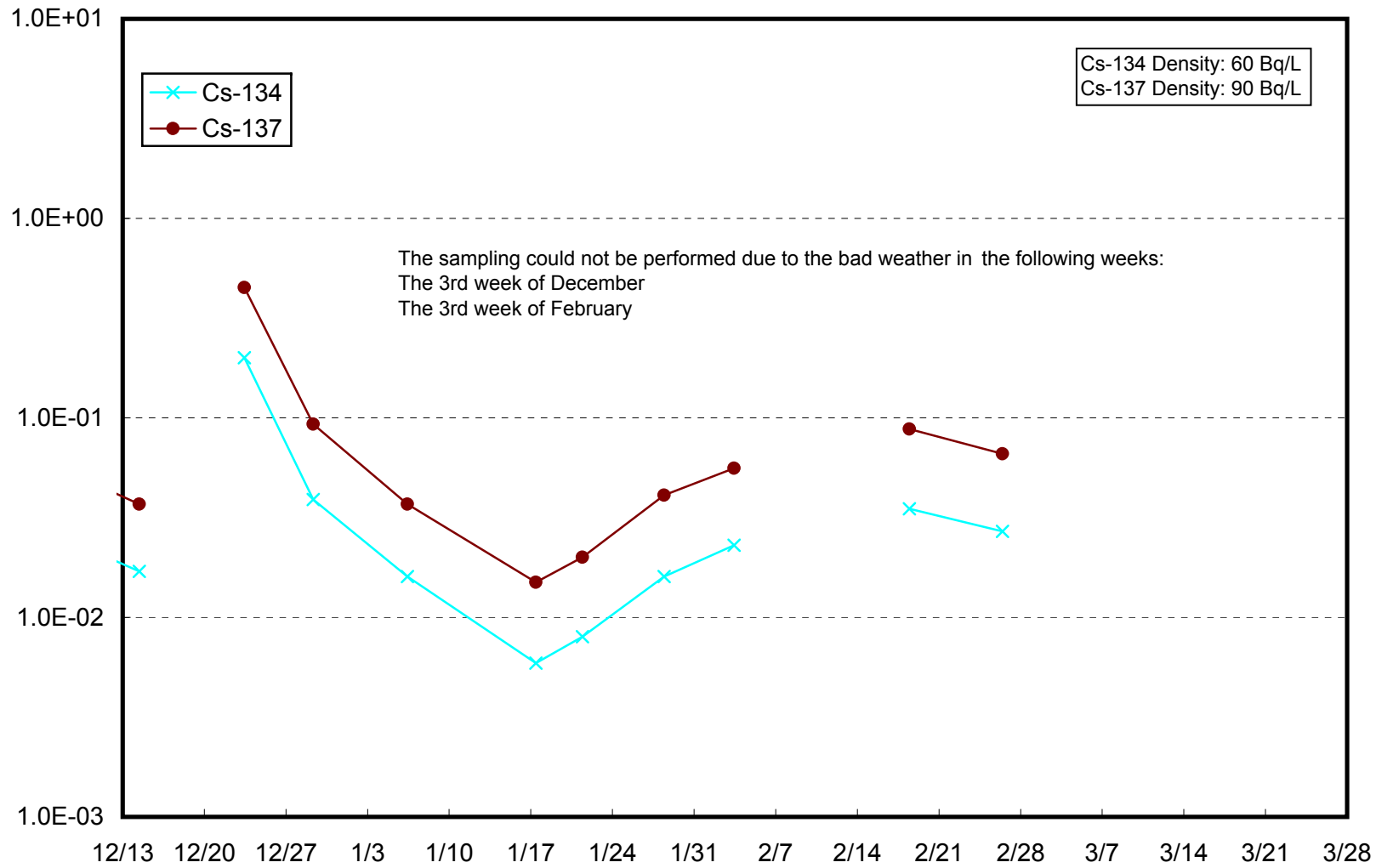
Radioactivity Density of the Seawater at 15km Offshore of Fukushima Daiichi NPS (T-5) Upper Layer (Bq/L)



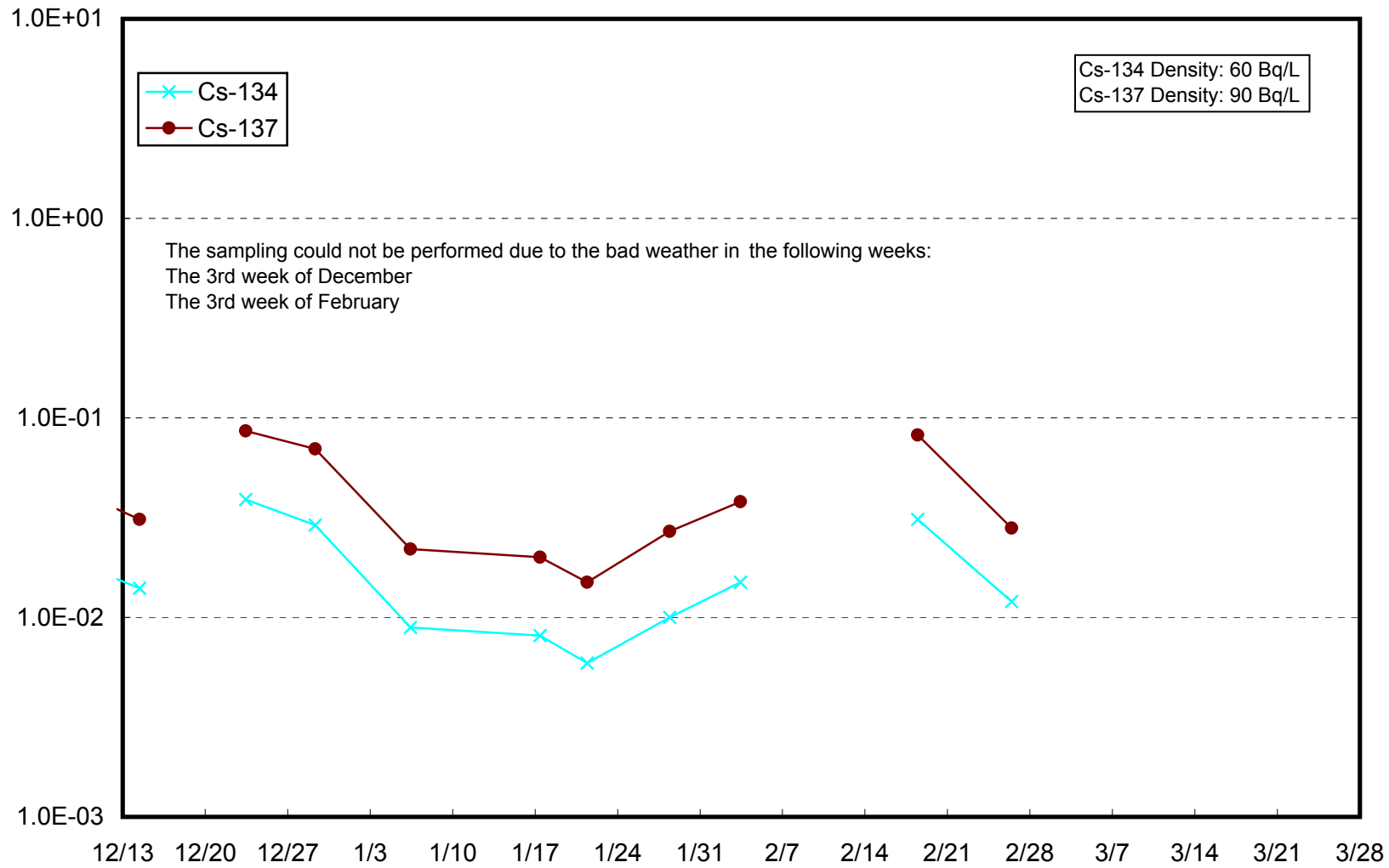
Radioactivity Density of the Seawater at 15km Offshore of Fukushima Daiichi NPS (T-5) Lower Layer (Bq/L)



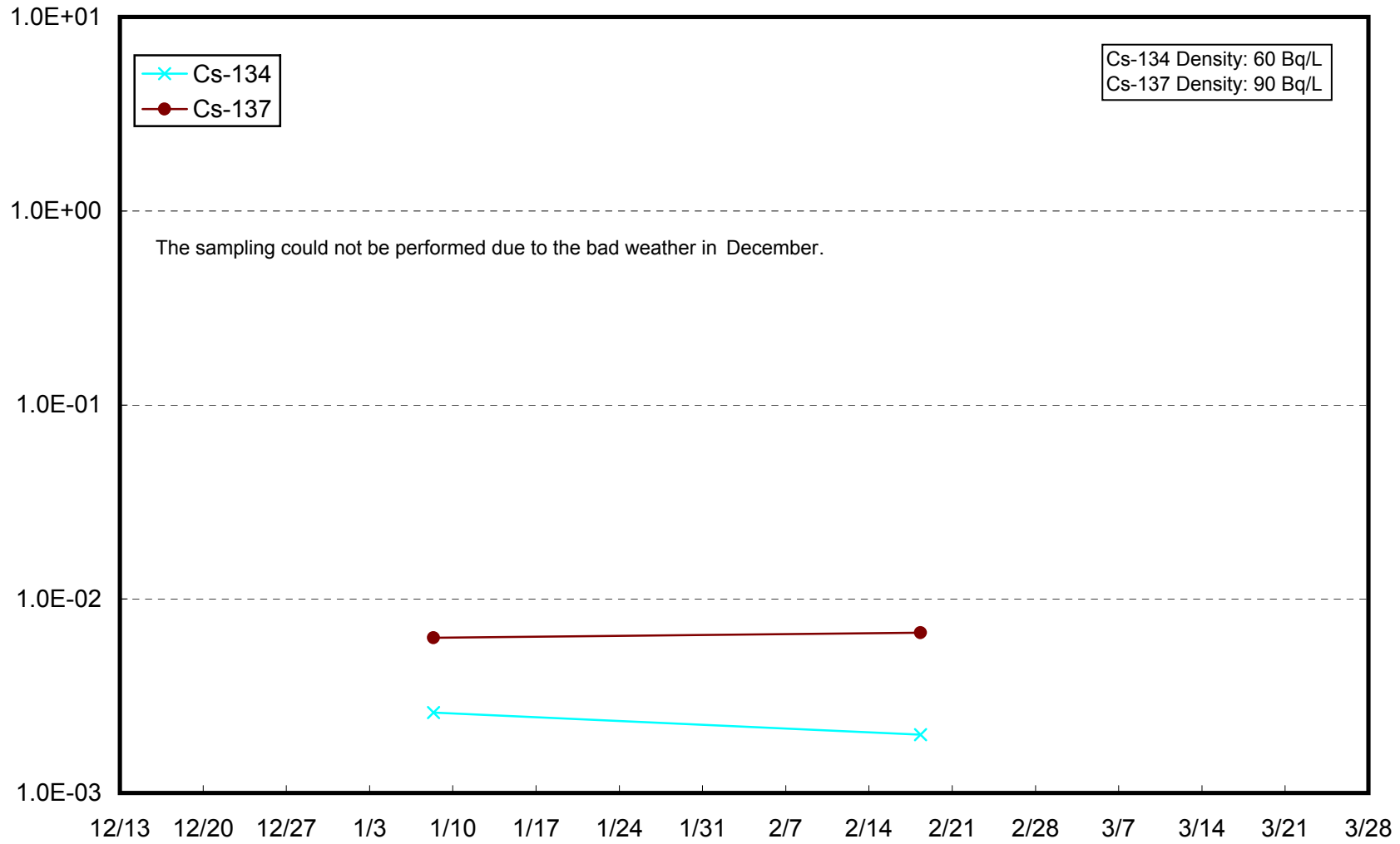
Radioactivity Density of the Seawater at 3km Offshore of Iwasawa Shore (T-11) Upper Layer (Bq/L)



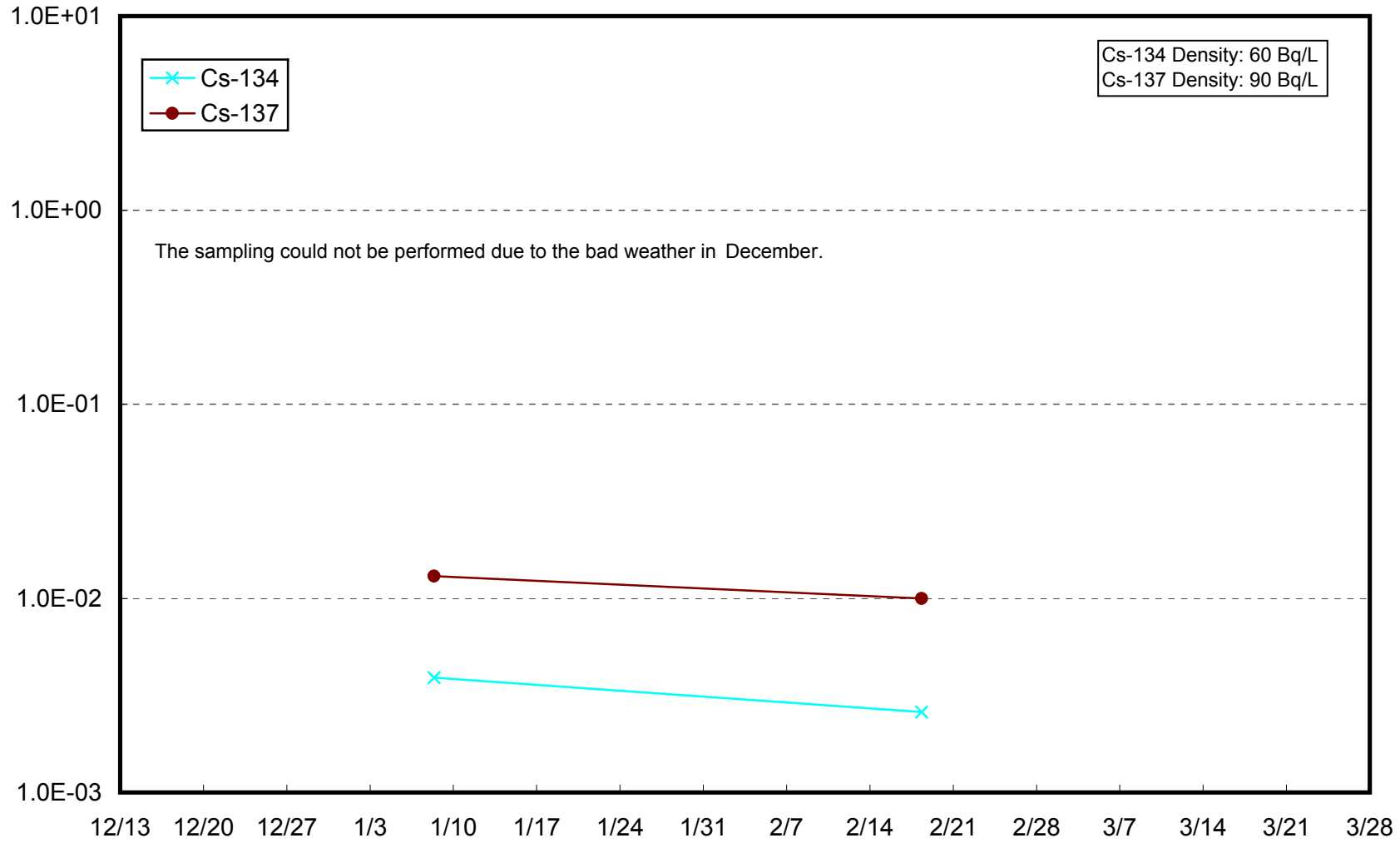
Radioactivity Density of the Seawater at 3km Offshore of Iwasawa Shore (T-11) Lower Layer (Bq/L)



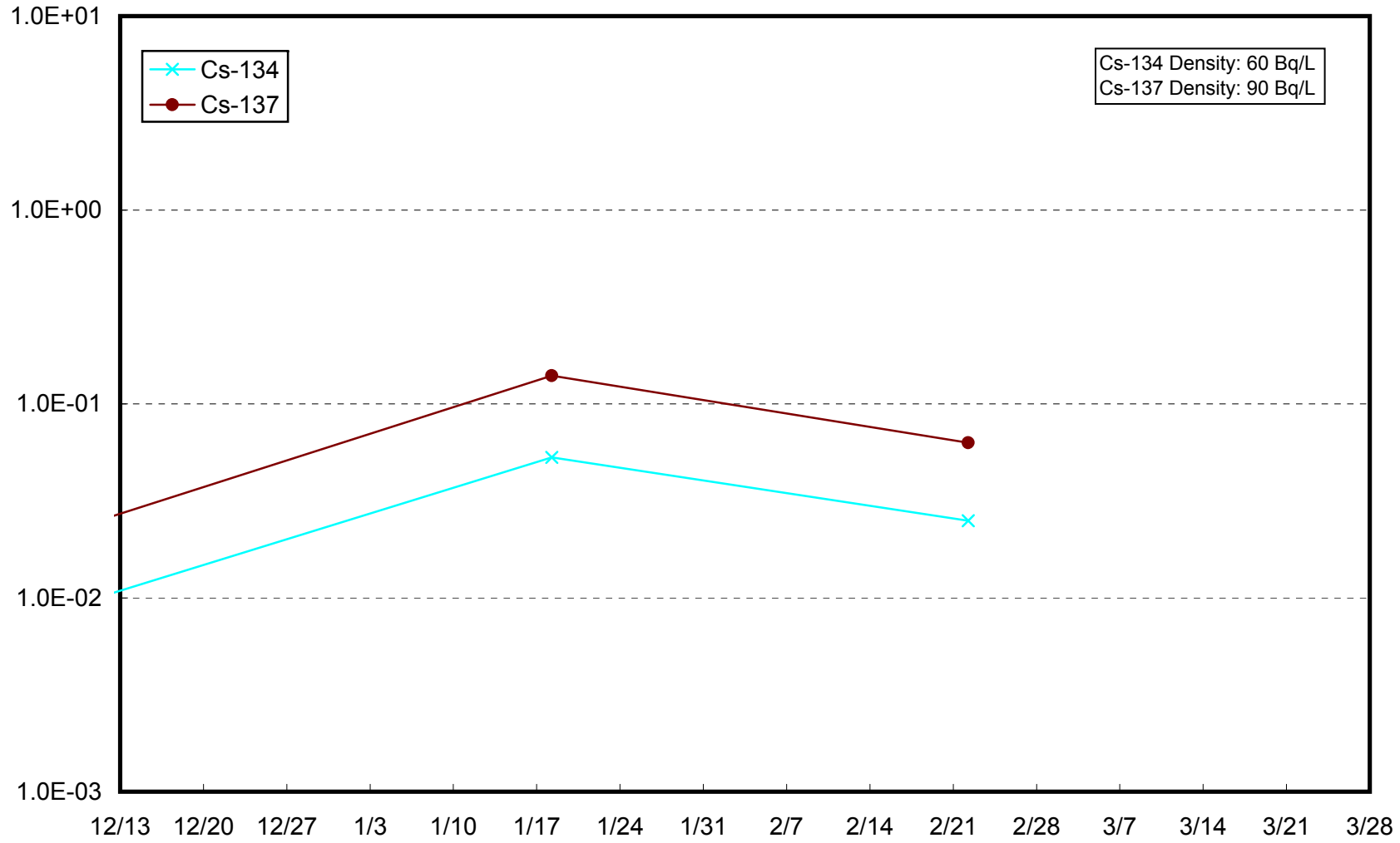
Radioactivity Density of the Seawater at 15km Offshore of Iwasawa Shore (T-7) Upper Layer (Bq/L)



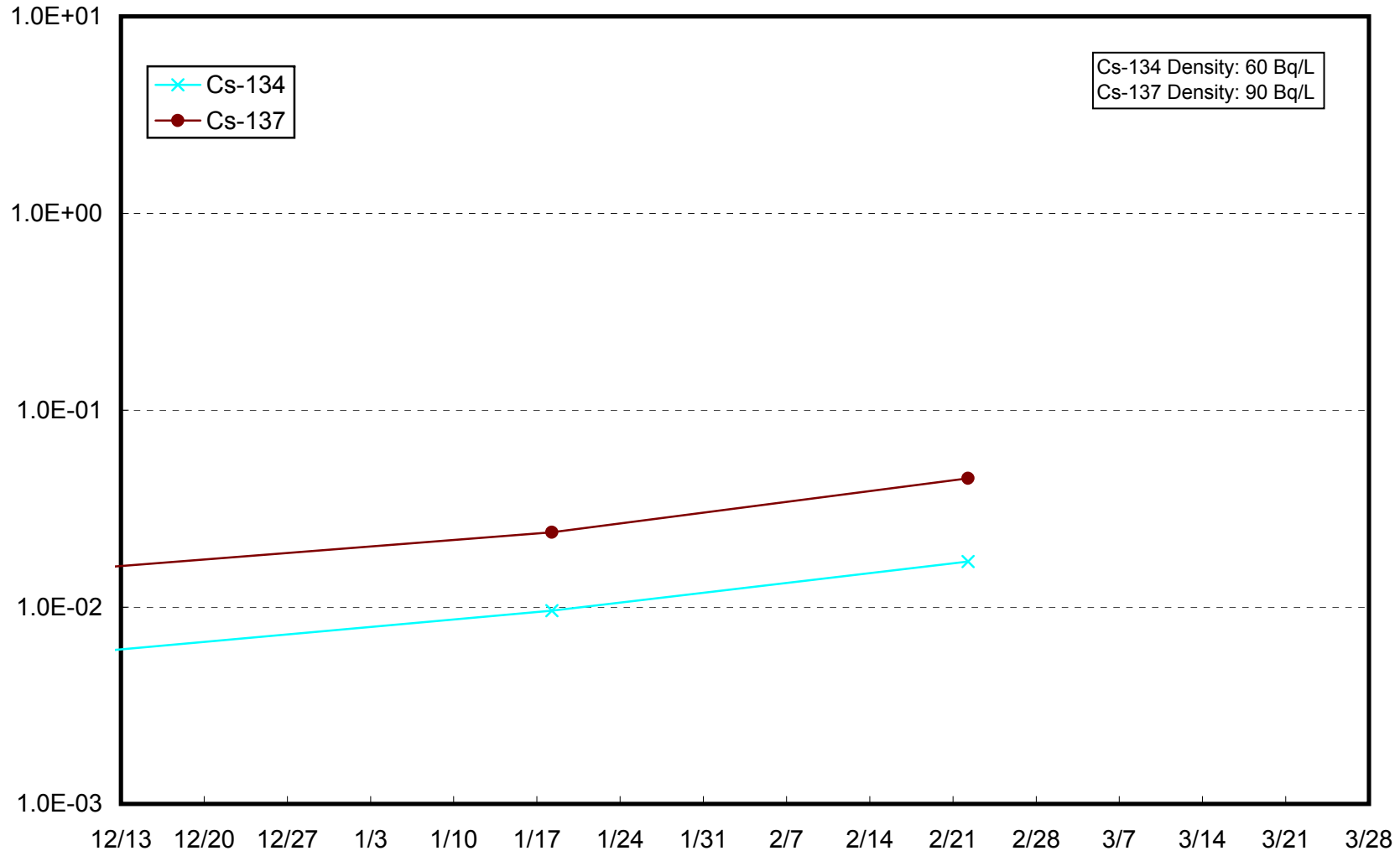
Radioactivity Density of the Seawater at 15km Offshore of Iwasawa Shore (T-7) Lower Layer (Bq/L)



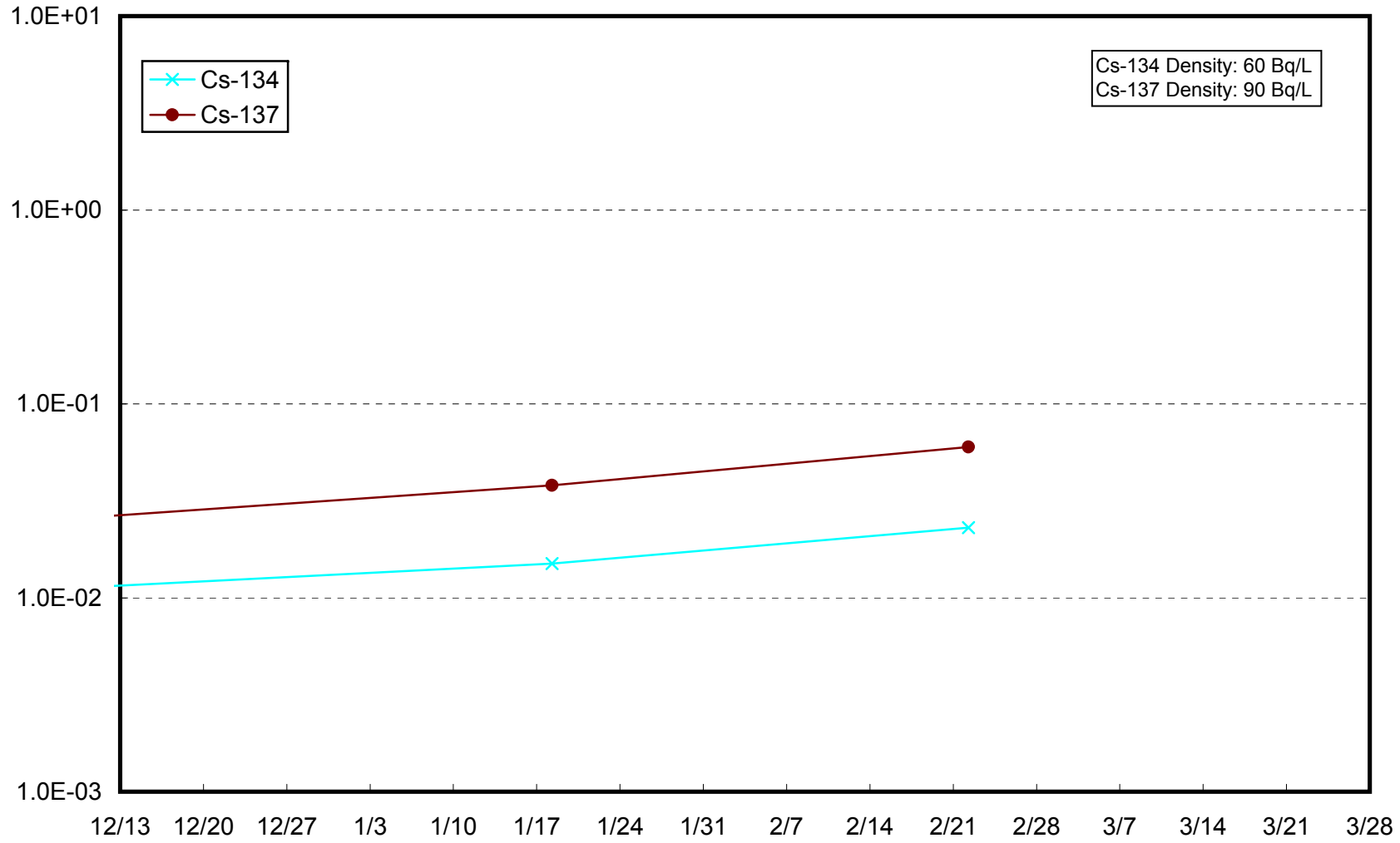
Radioactivity Density of the Seawater at 3km Offshore of North of Iwaki City(T-12) Upper Layer (Bq/L)



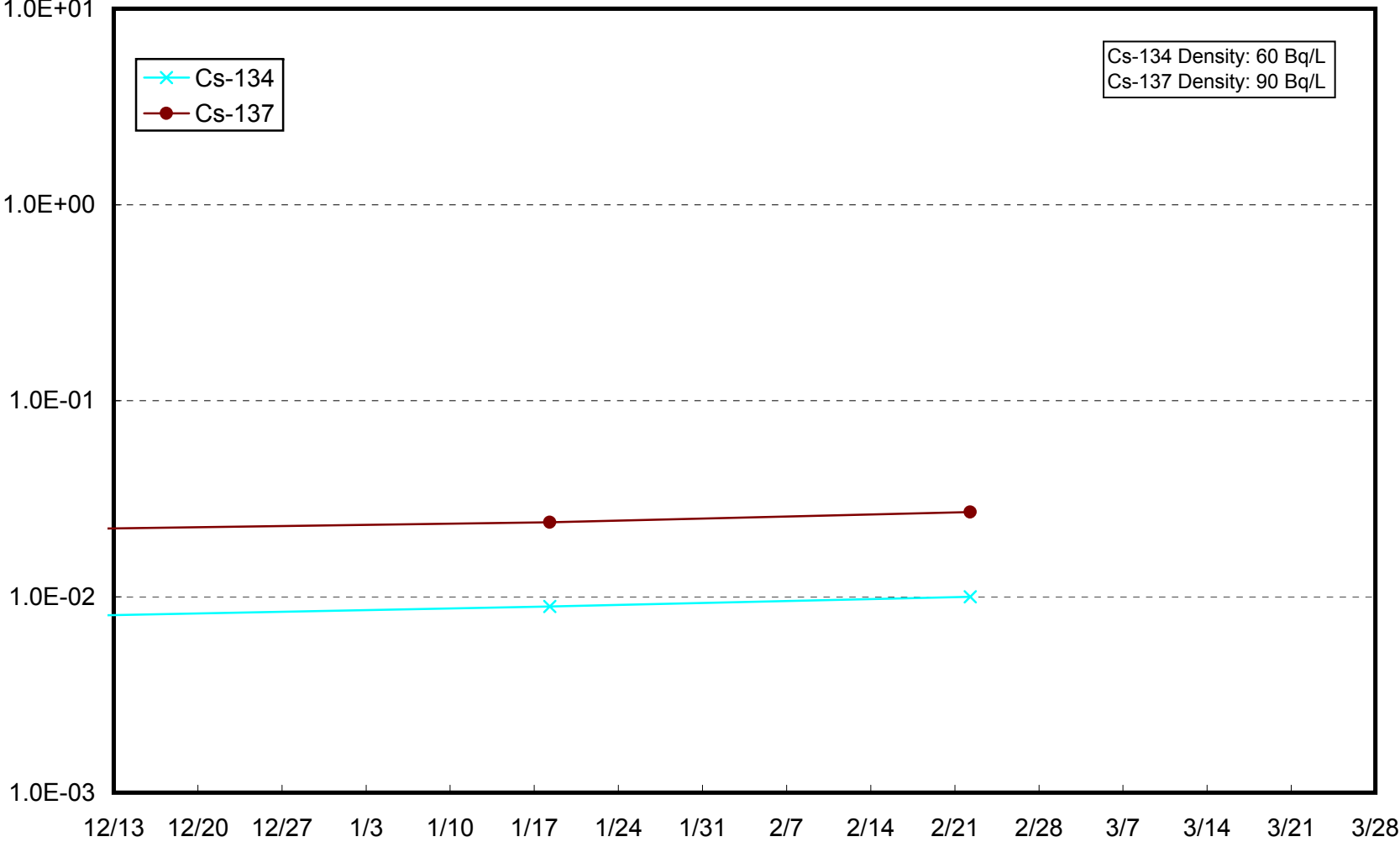
Radioactivity Density of the Seawater at 3km Offshore of North of Iwaki City(T-12) Lower Layer (Bq/L)



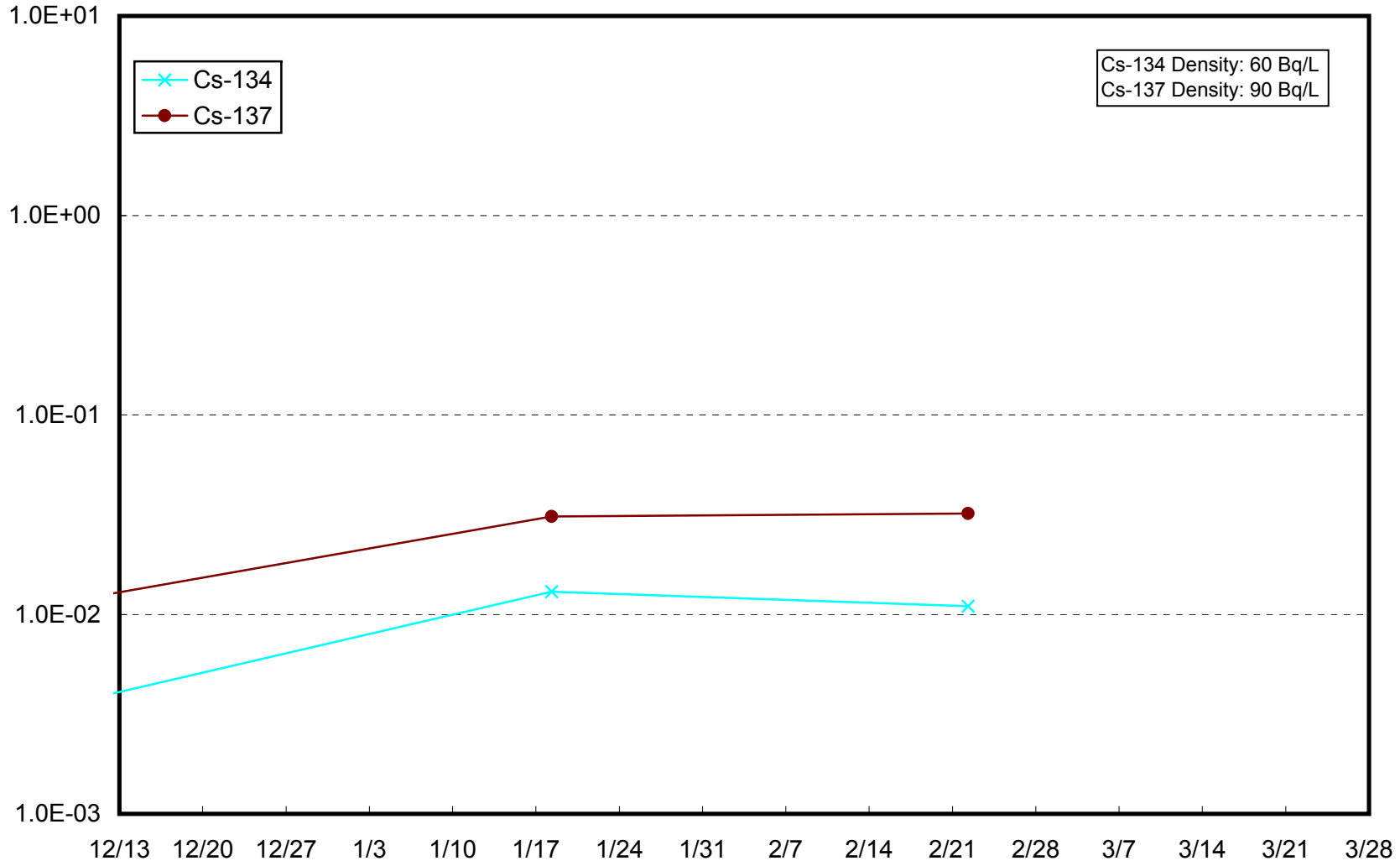
Radioactivity Density of the Seawater at 1km Offshore of Natsui River (T-17-1) Upper Layer (Bq/L)



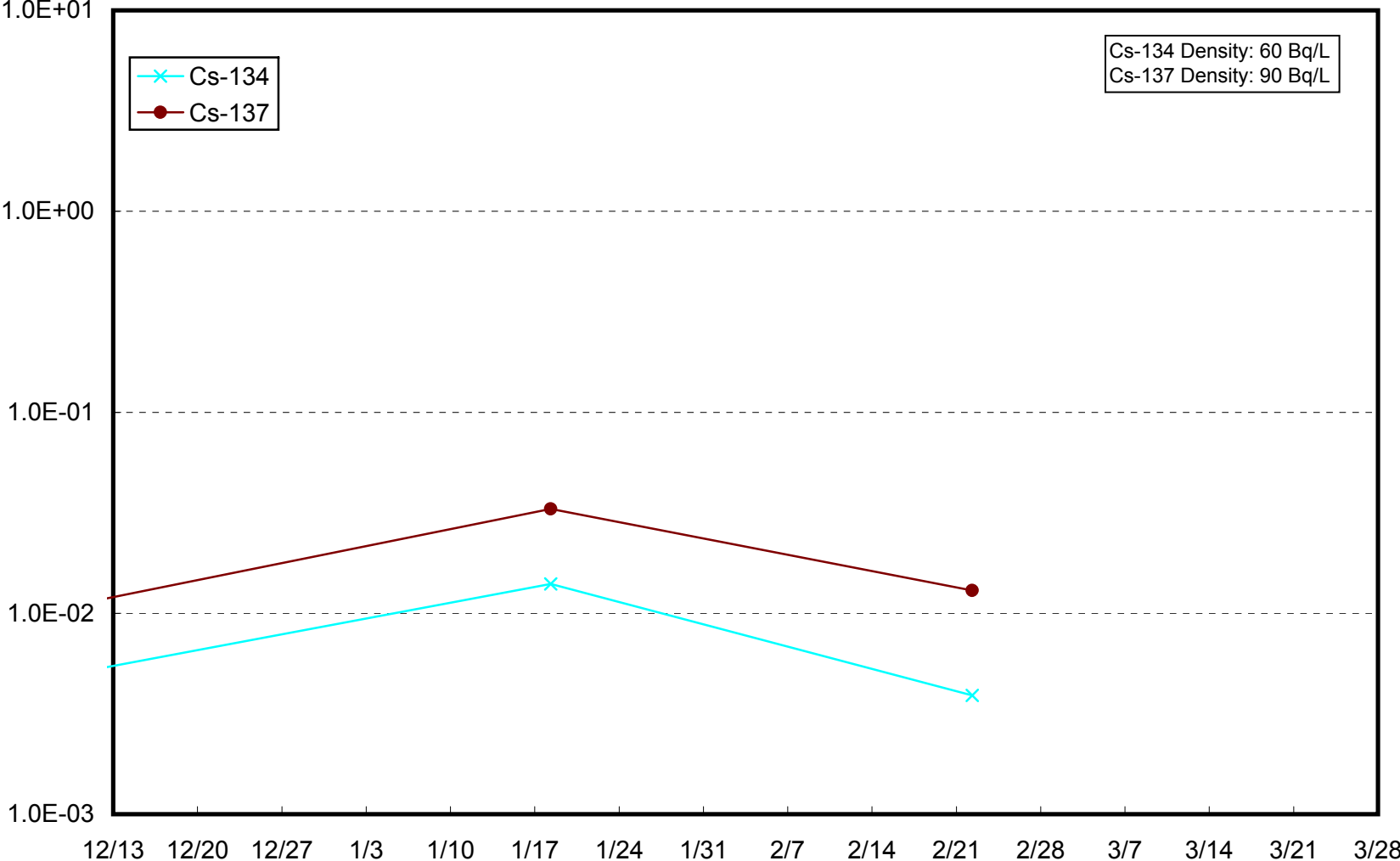
Radioactivity Density of the Seawater at 1km Offshore of Natsui River (T-17-1) Lower Layer (Bq/L)



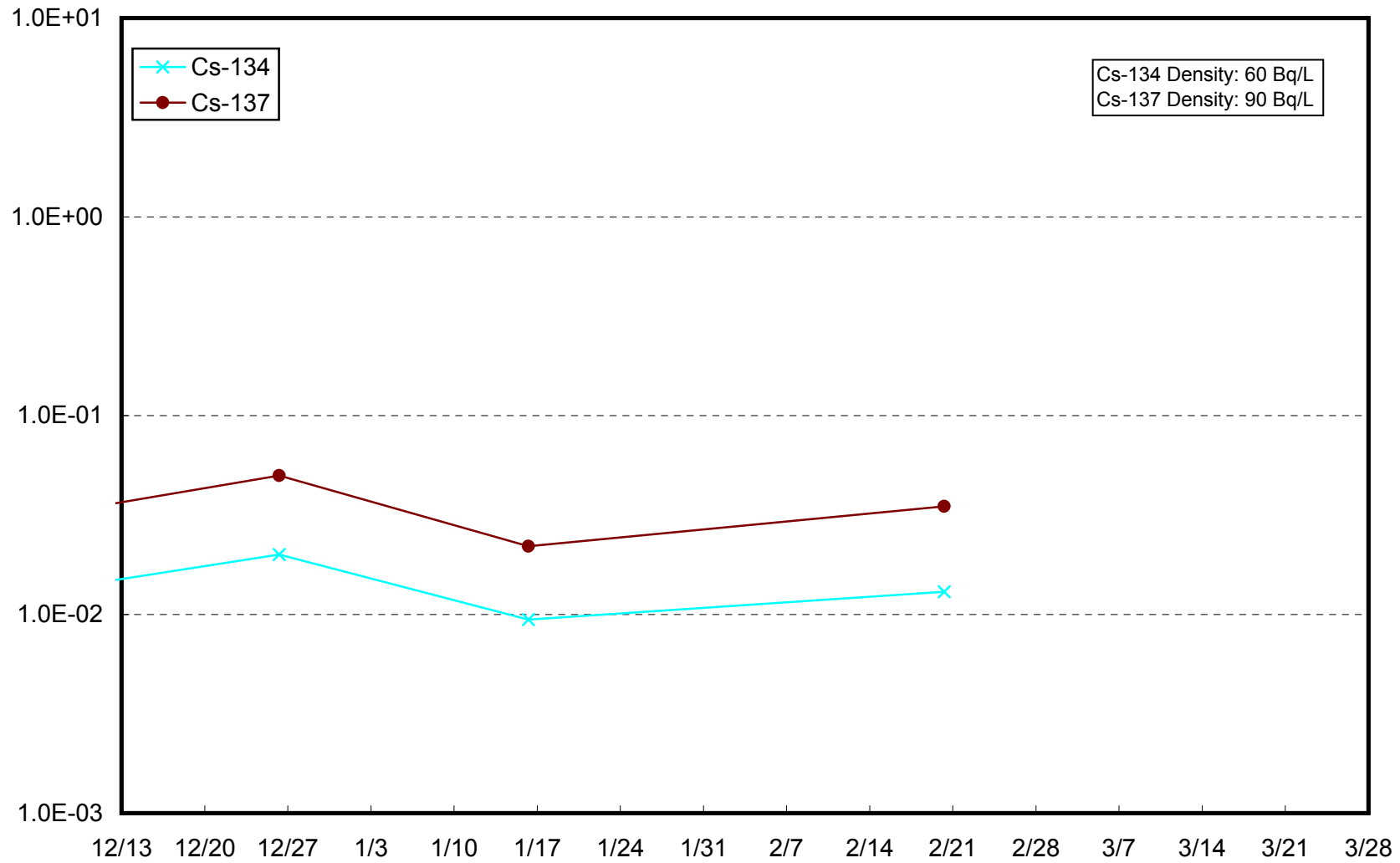
Radioactivity Density of the Seawater at 3km Offshore of Toyoma (T-20) Upper Layer (Bq/L)



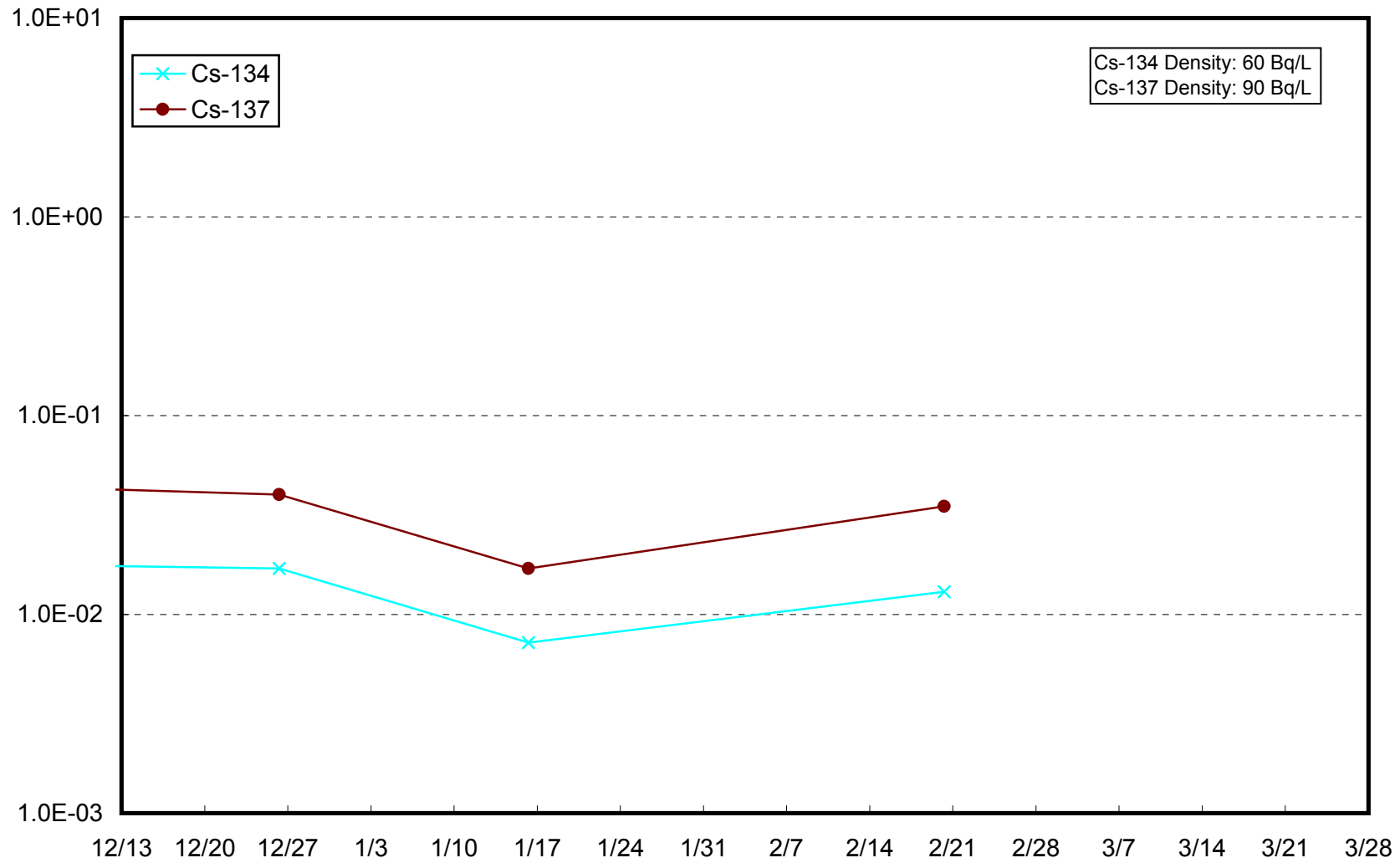
Radioactivity Density of the Seawater at 3km Offshore of Toyoma (T-20) Upper Layer (Bq/L)



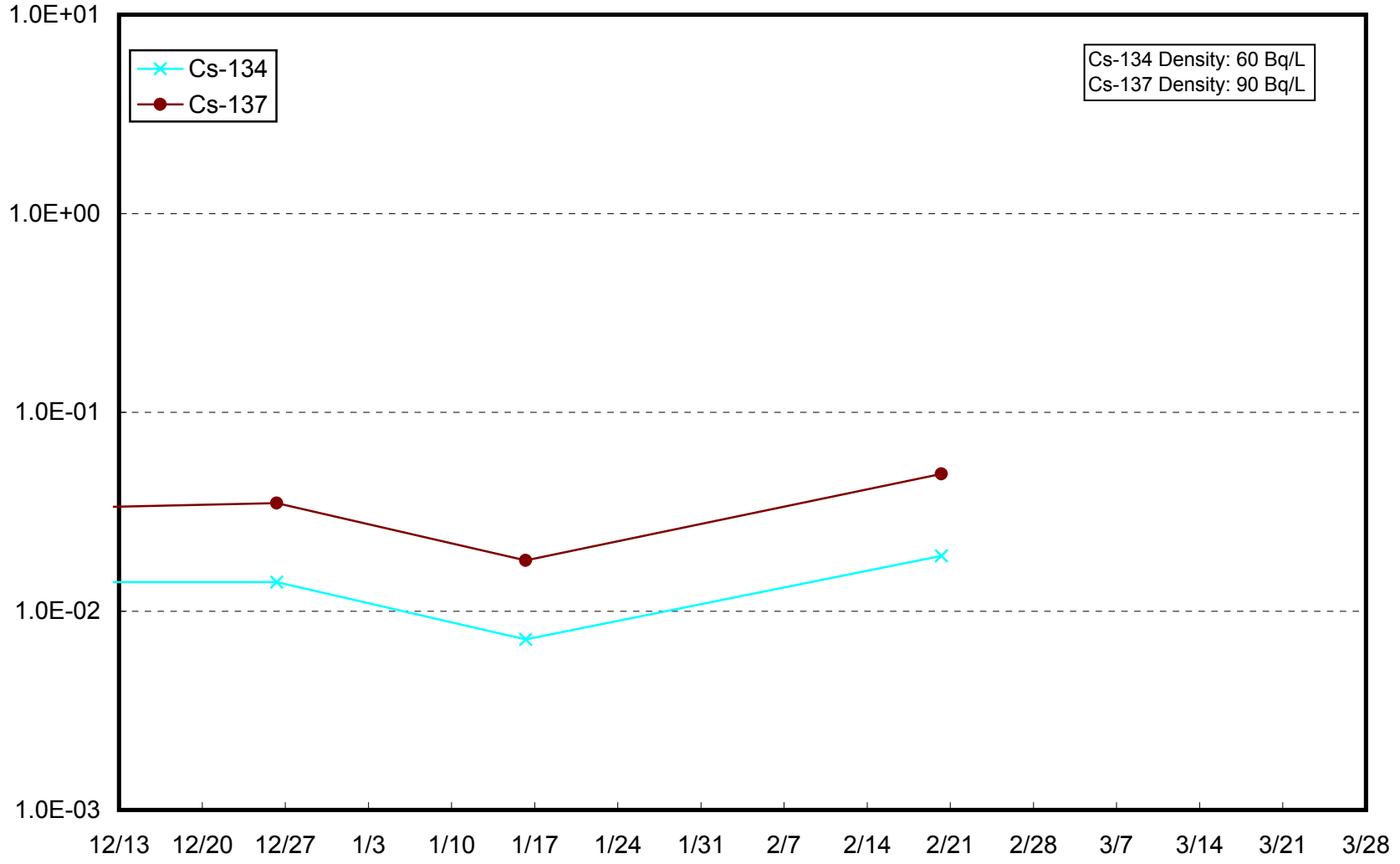
Radioactivity Density of the Seawater Around 1km Offshore of Ota River (T-S1) Upper Layer (Bq/L)



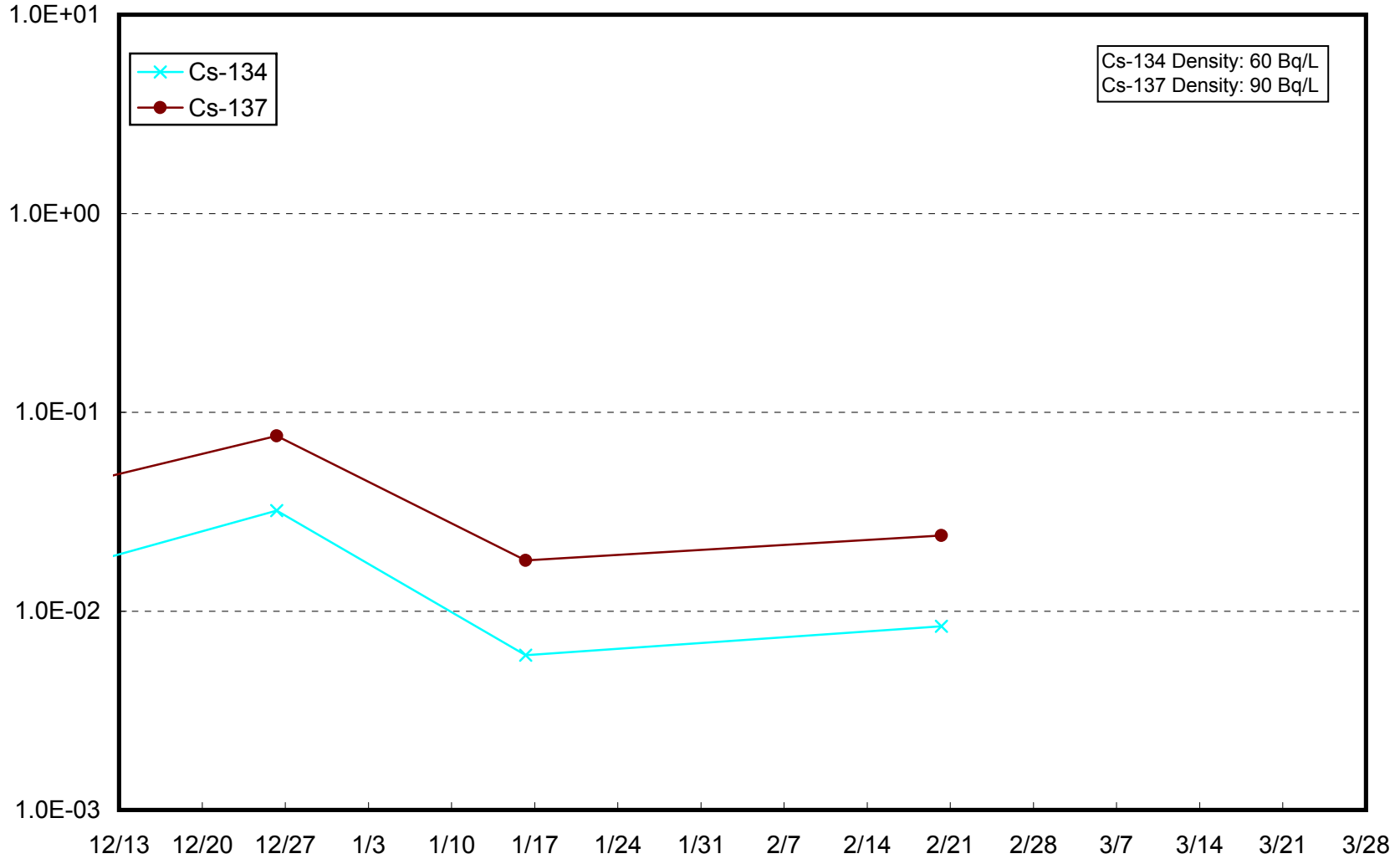
Radioactivity Density of the Seawater Around 1km Offshore of Ota River (T-S1) Lower Layer (Bq/L)



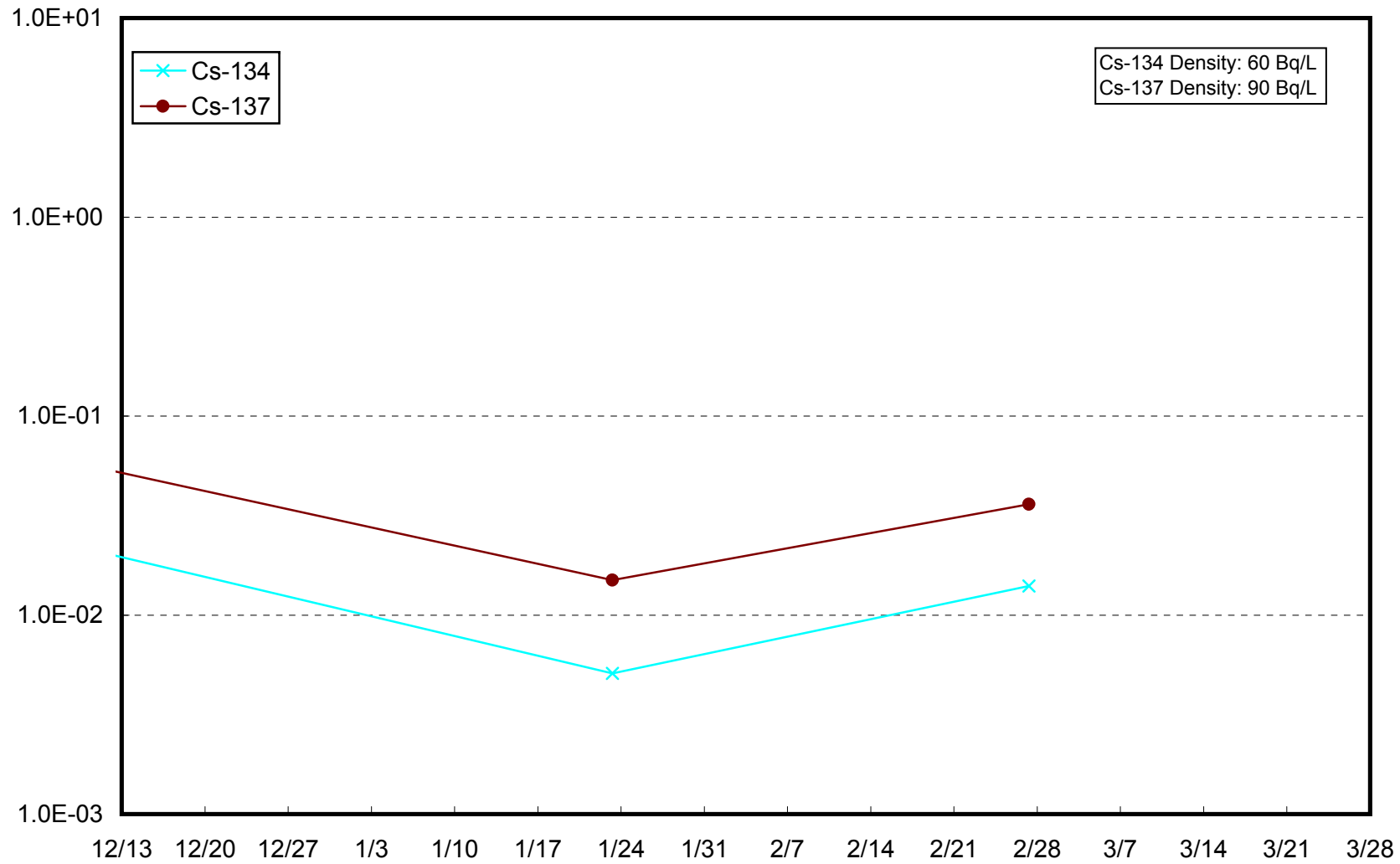
Radioactivity Density of the Seawater Around 3km Offshore of Odaka Ward (T-S2) Upper Layer (Bq/L)



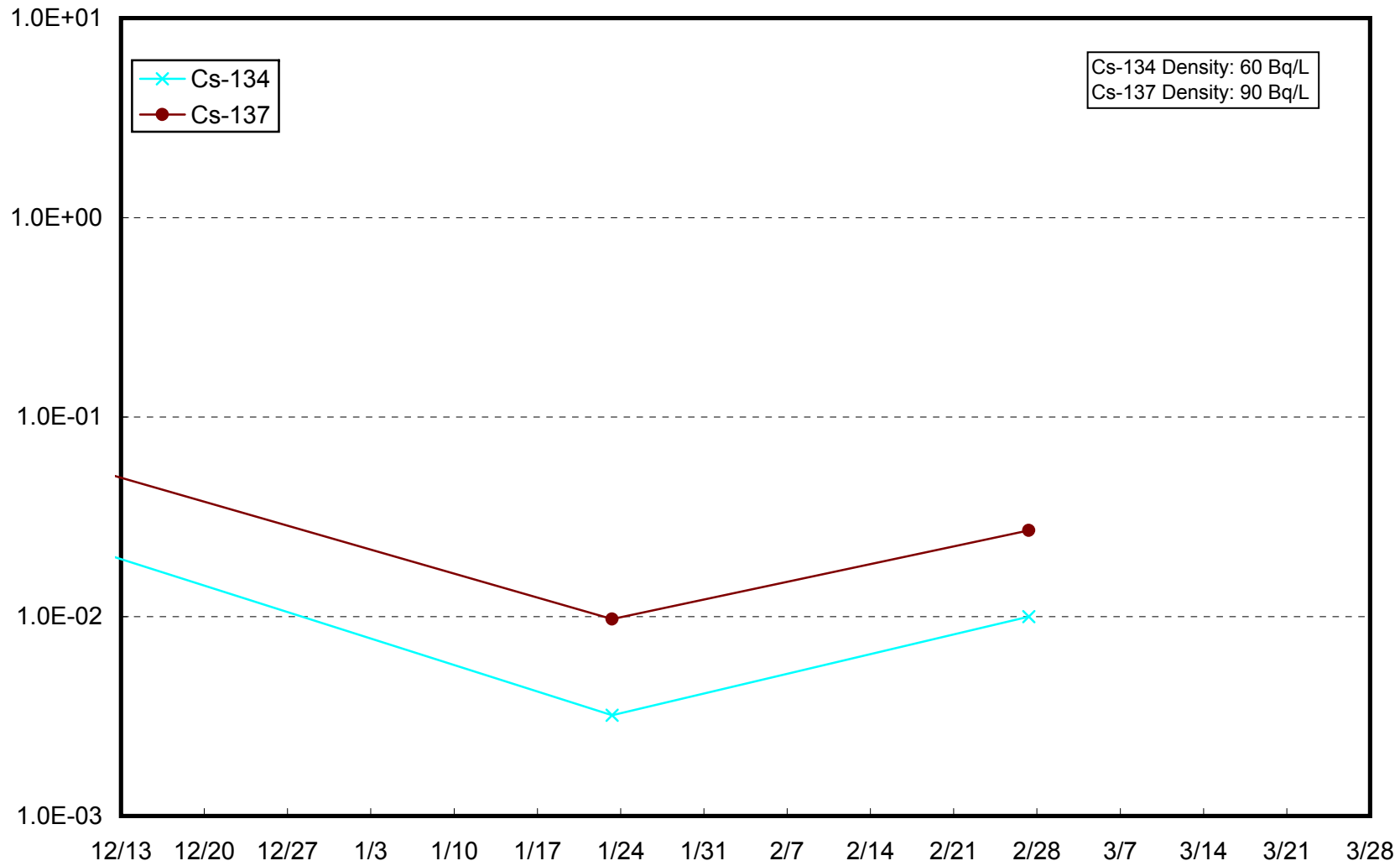
Radioactivity Density of the Seawater Around 3km Offshore of Odaka Ward (T-S2) Lower Layer (Bq/L)



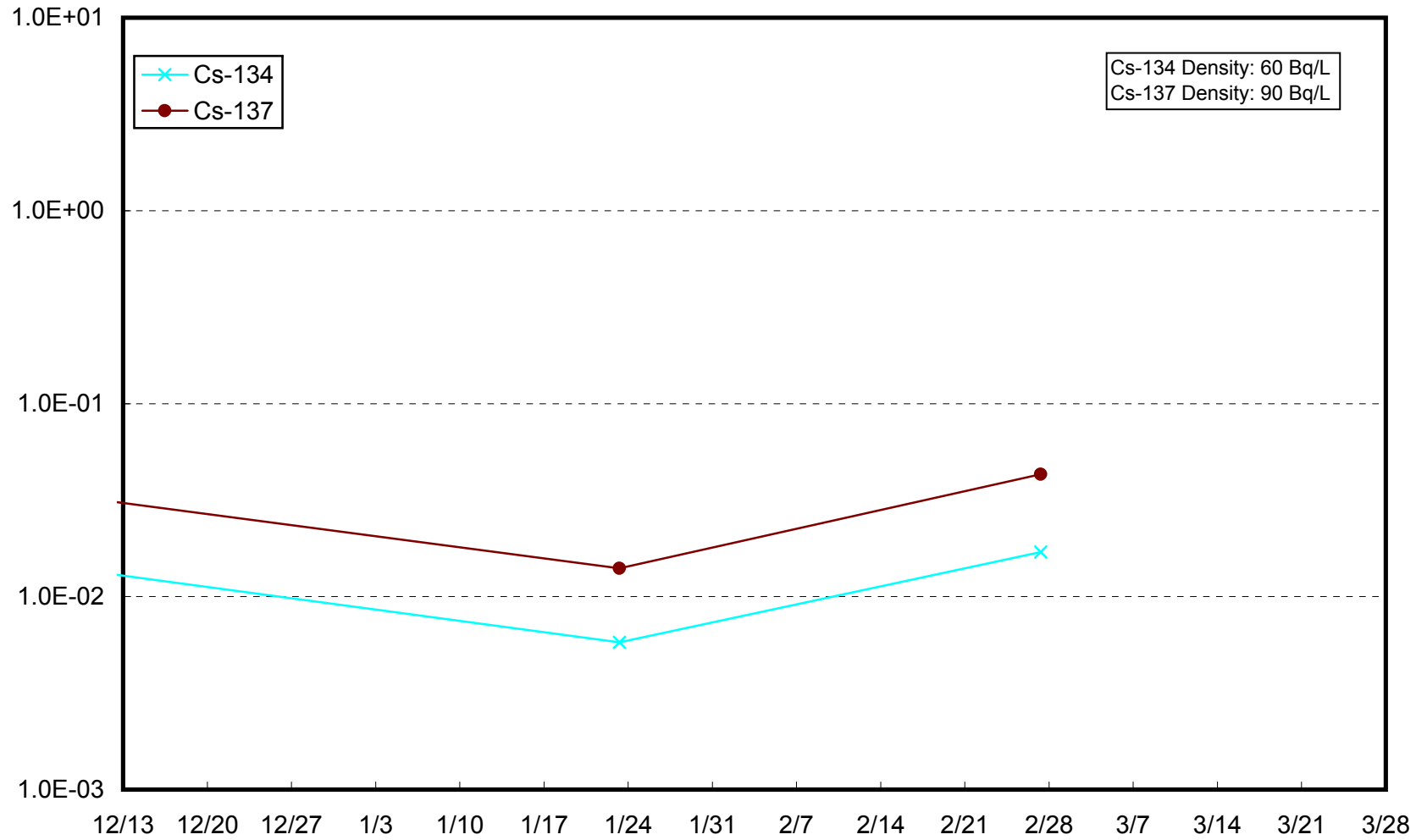
Radioactivity Density of the Seawater Around 3km Offshore of Ukedo River (T-S3) Upper Layer (Bq/L)



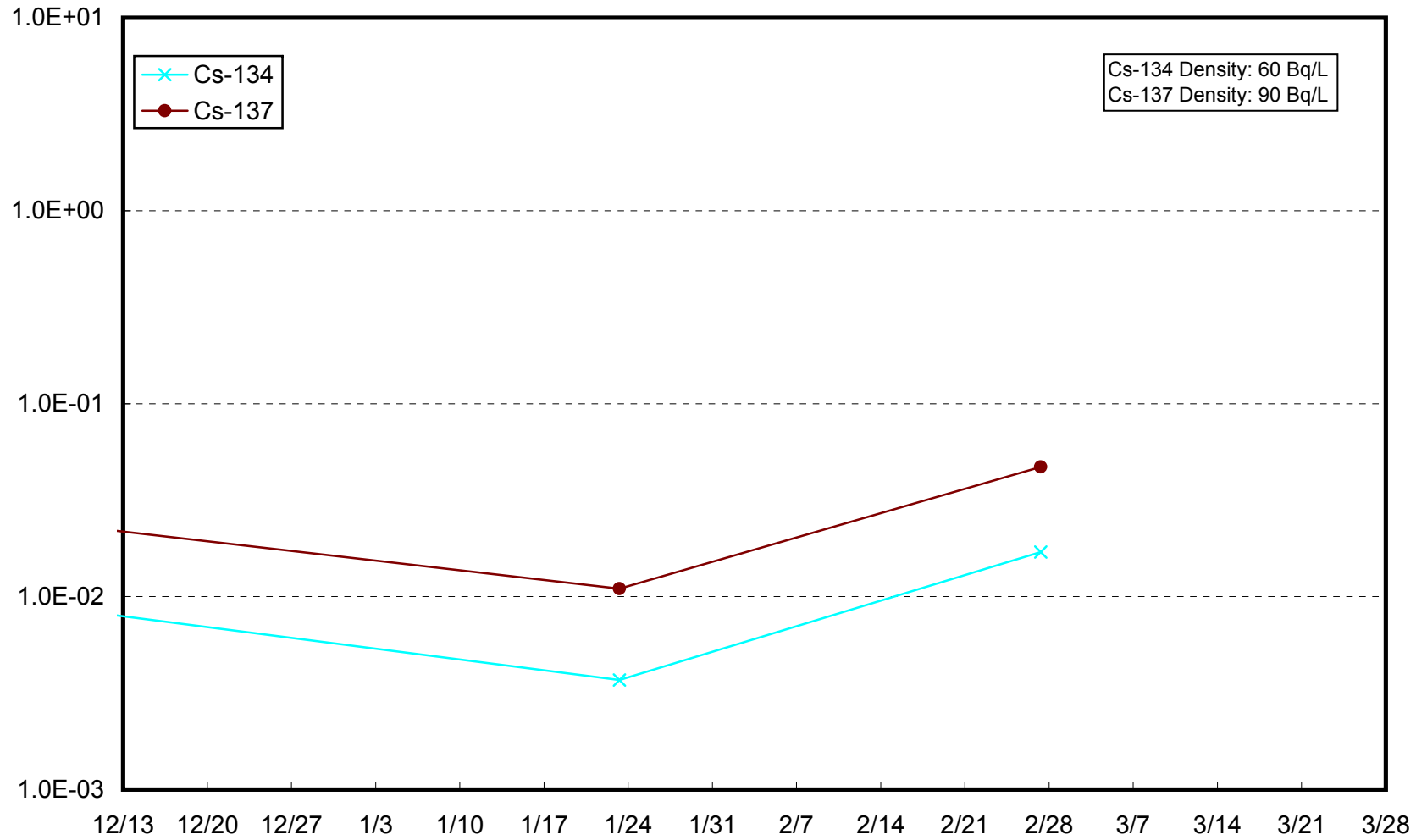
Radioactivity Density of the Seawater Around 3km Offshore of Ukedo River (T-S3) Lower Layer (Bq/L)



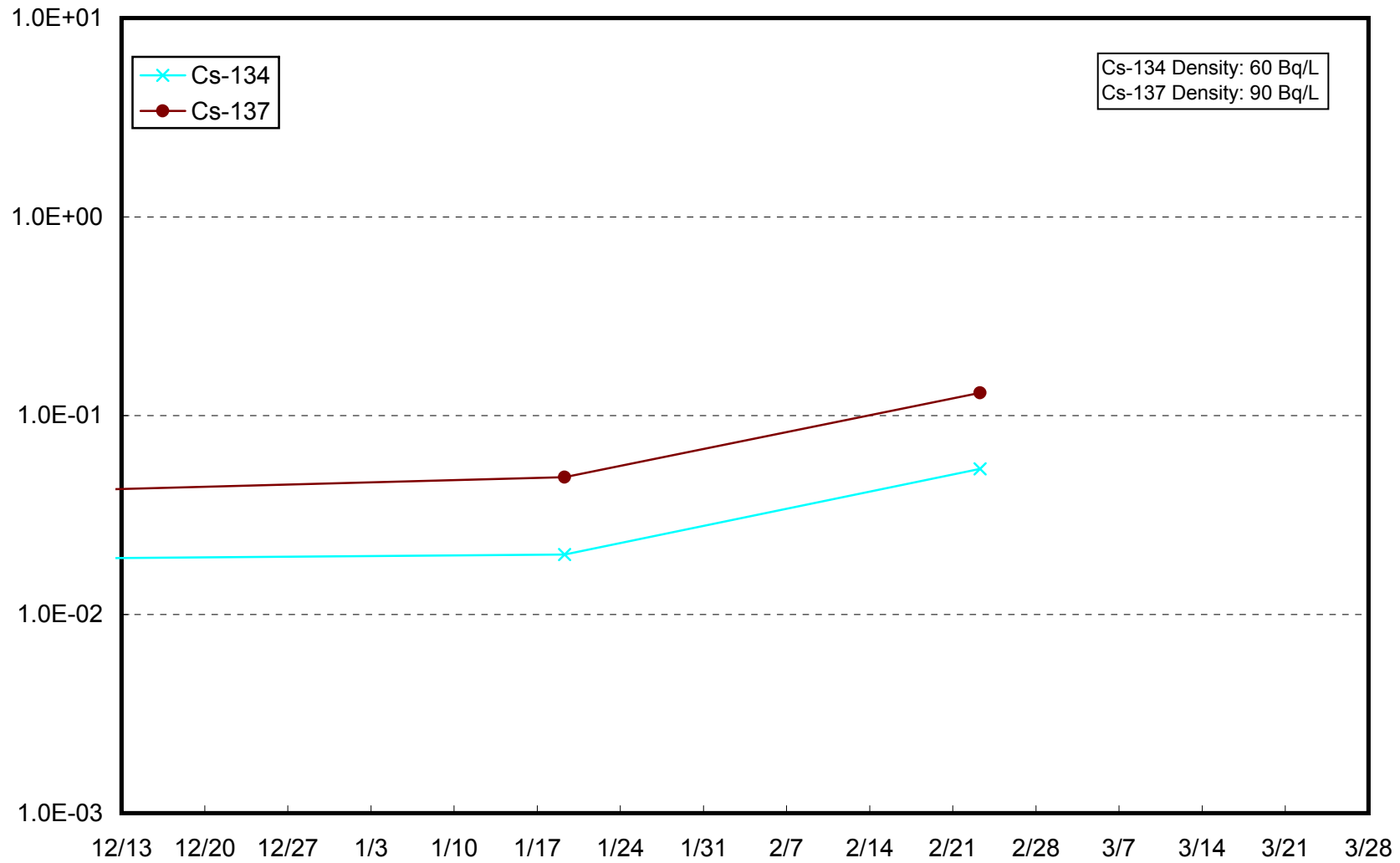
Radioactivity Density of the Seawater Around 3km Offshore of Fukushima Daiichi NPS (T-S4) Upper Layer
(Bq/L)



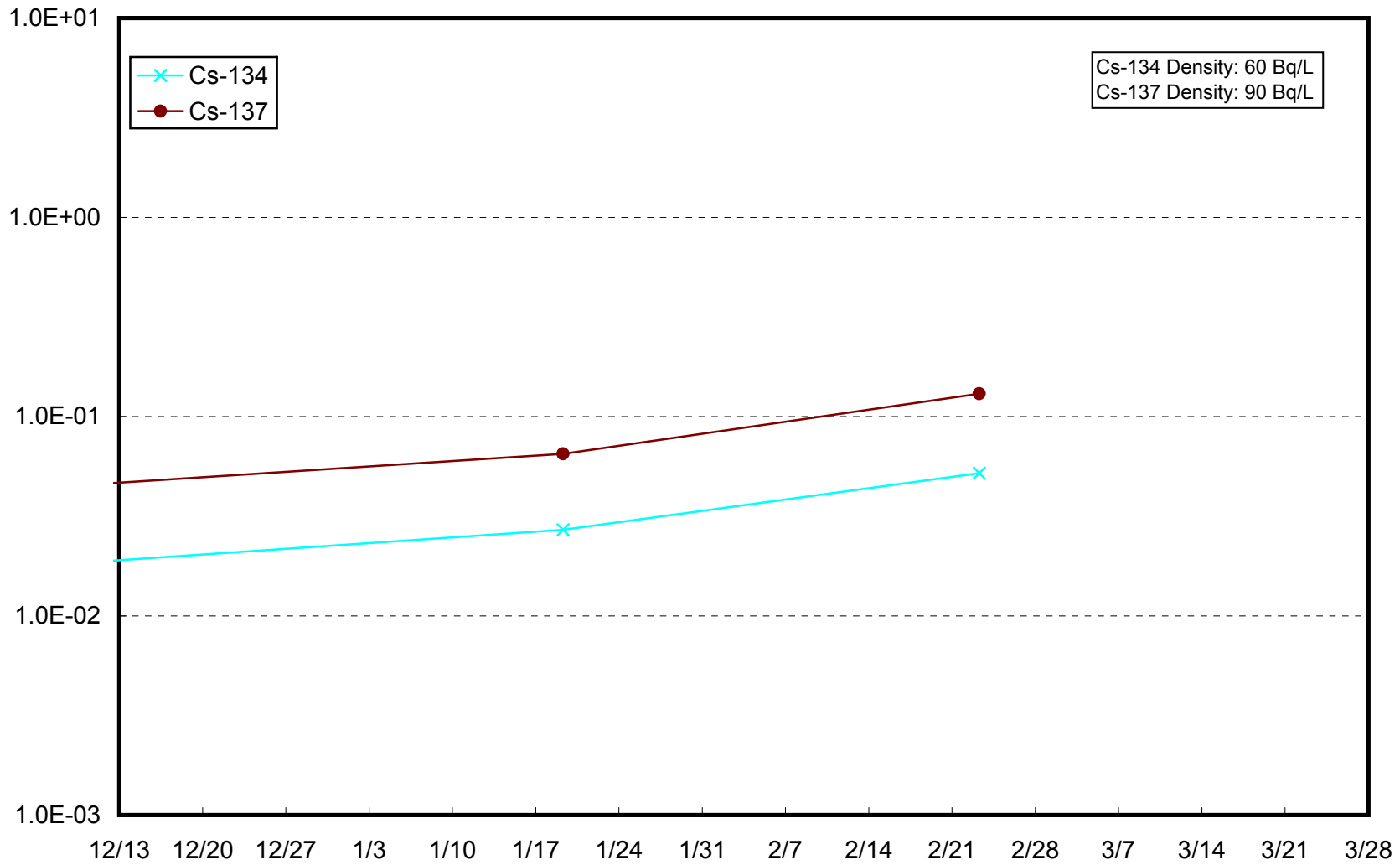
Radioactivity Density of the Seawater Around 3km Offshore of Fukushima Daiichi NPS (T-S4) Lower Layer (Bq/L)



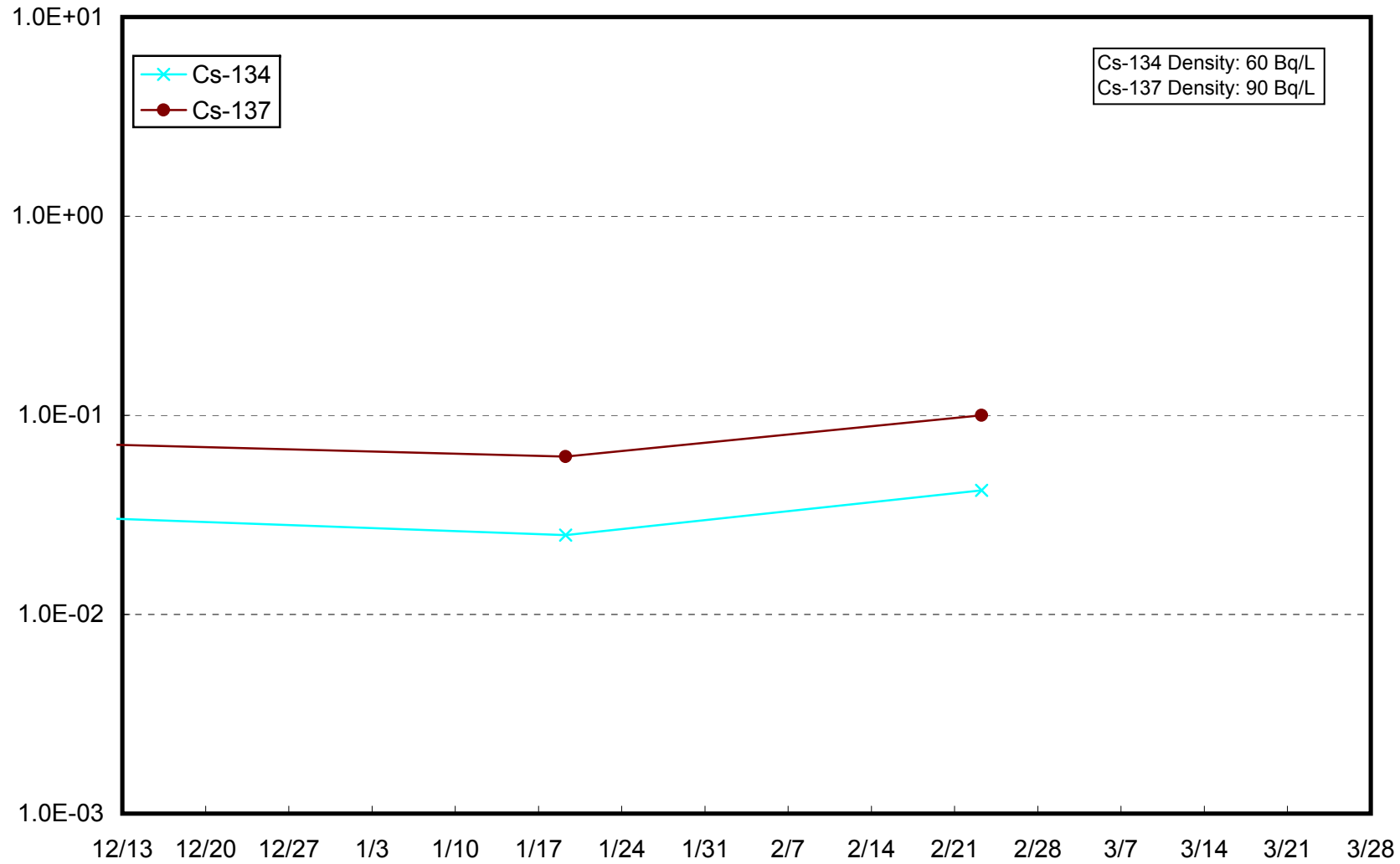
Radioactivity Density of the Seawater at 2km Offshore of Kido River (T-S5) Upper Layer (Bq/L)



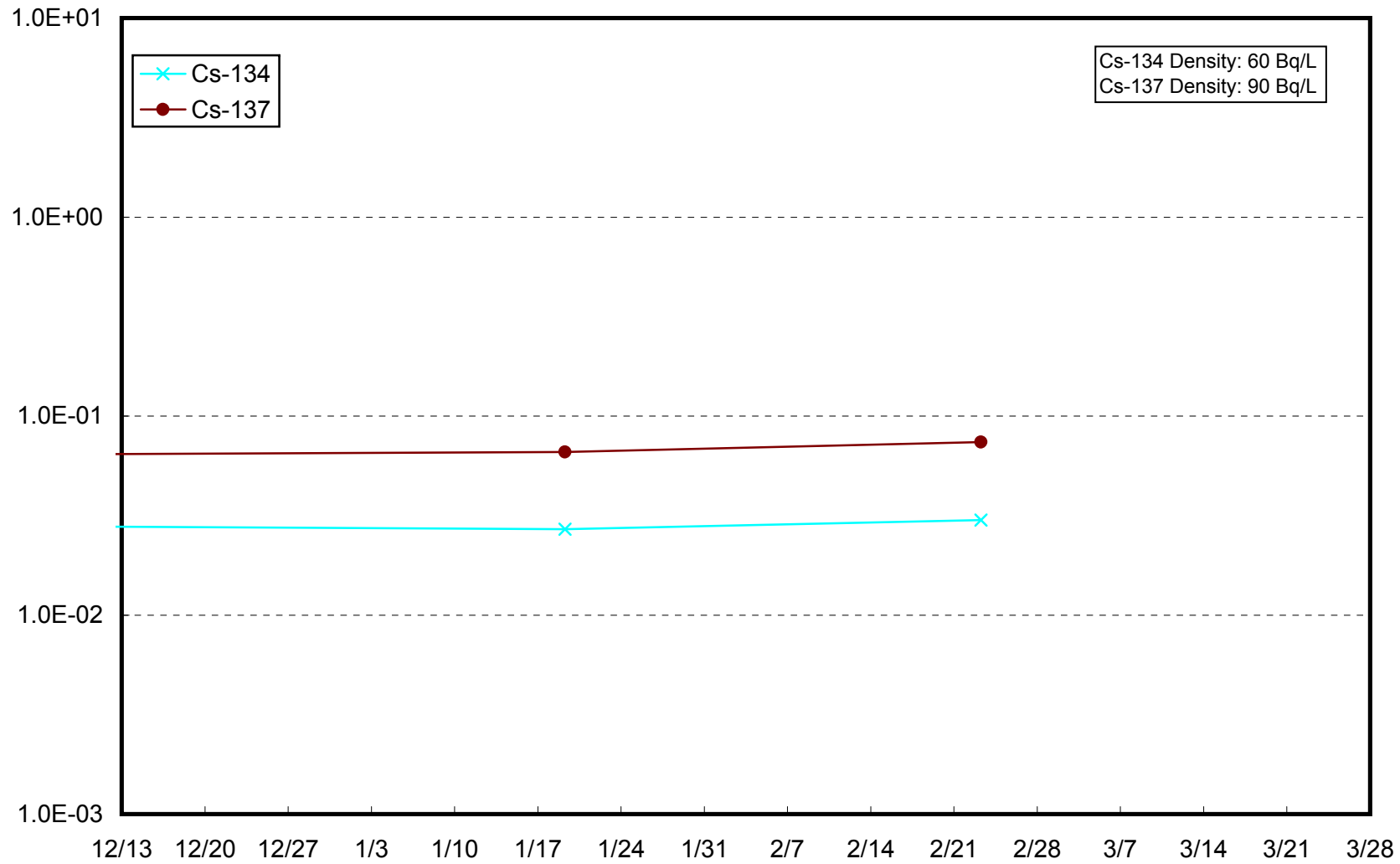
Radioactivity Density of the Seawater at 2km Offshore of Kido River (T-S5) Lower Layer (Bq/L)



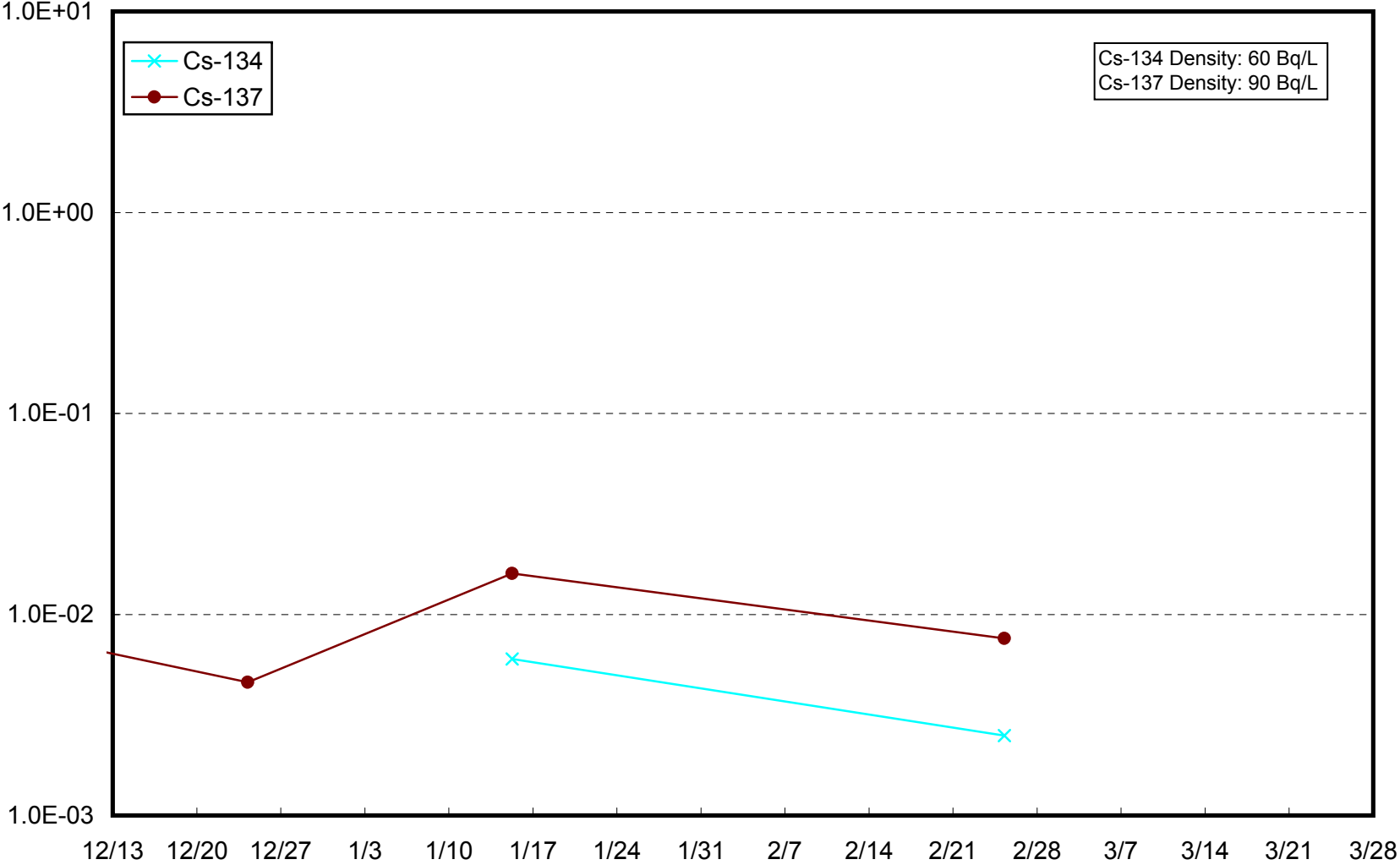
Radioactivity Density of the Seawater at 2km Offshore of Fukushima Daini NPS (T-S7) Upper Layer (Bq/L)



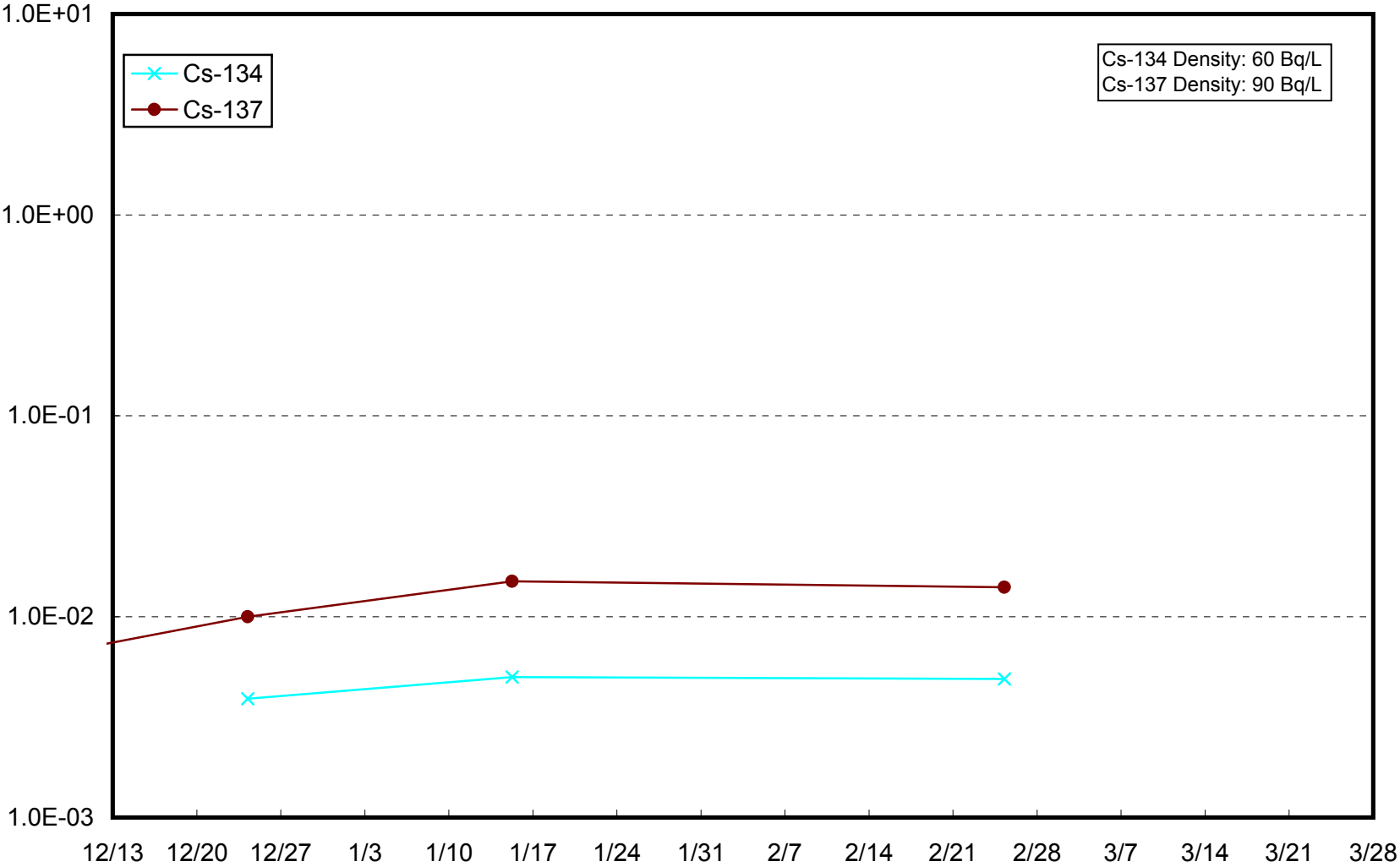
Radioactivity Density of the Seawater at 2km Offshore of Fukushima Daini NPS (T-S7) Lower Layer (Bq/L)



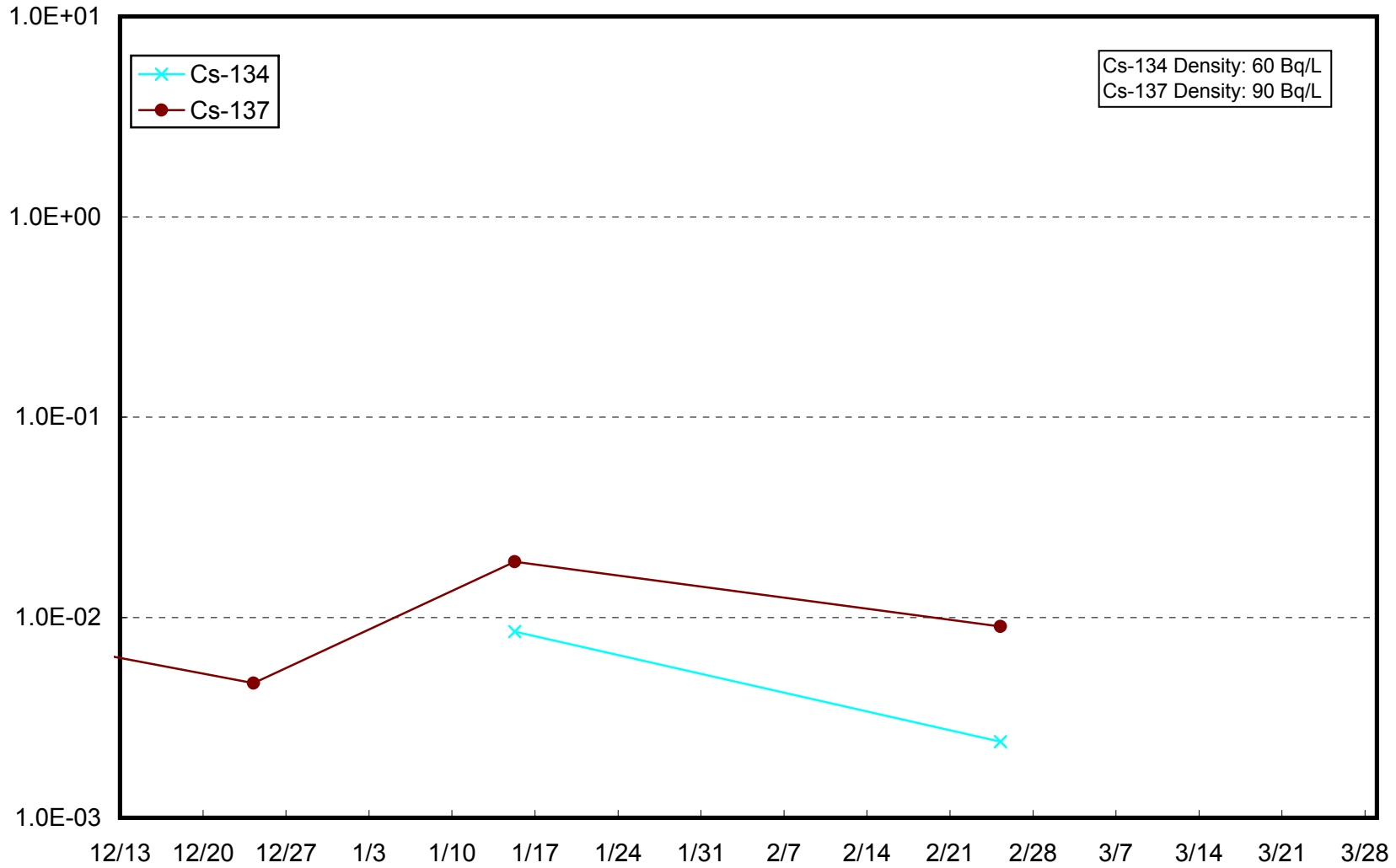
Radioactivity Density of the Seawater at 15km Offshore of Odaka Ward (T-B1) Upper Layer (Bq/L)



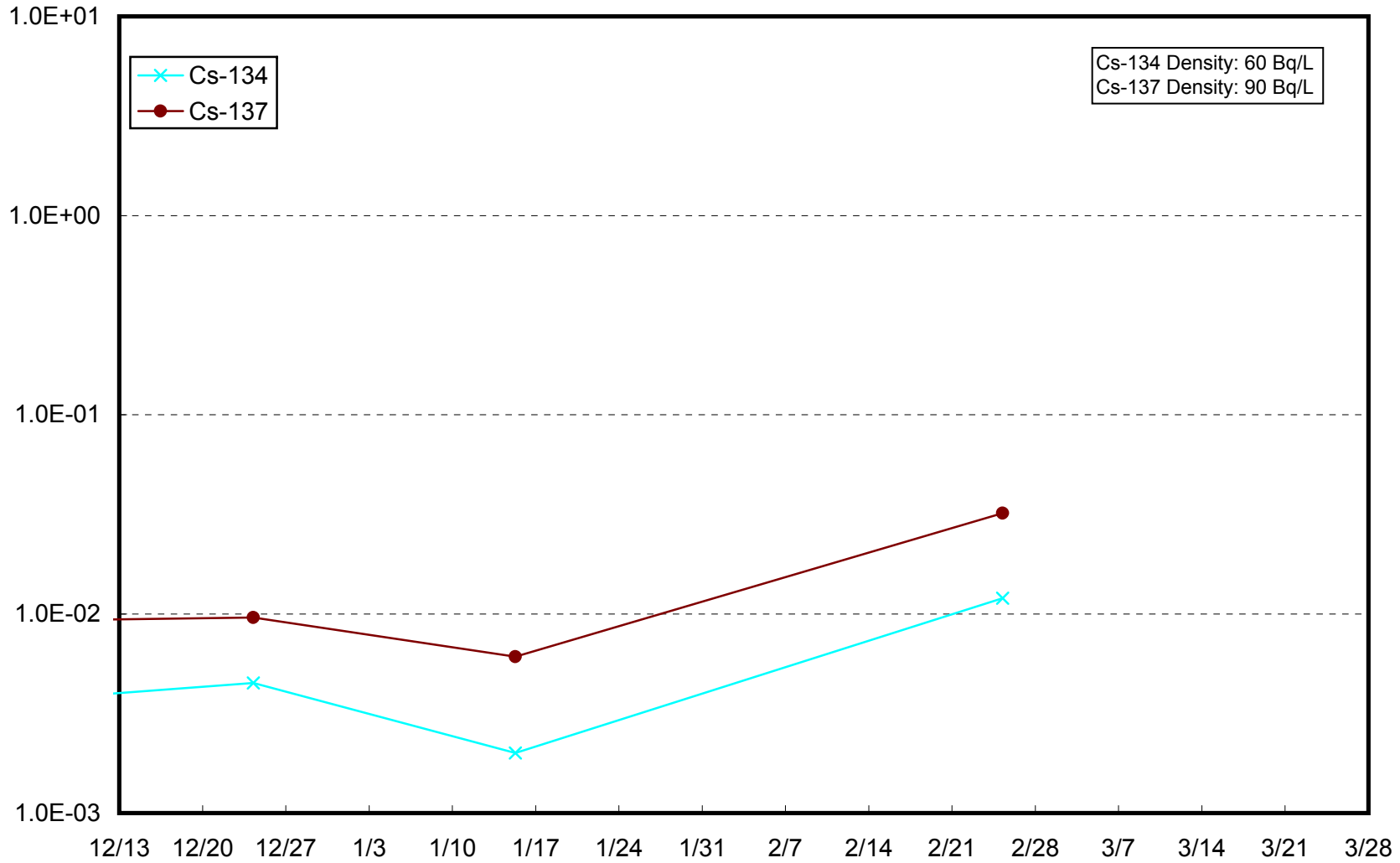
Radioactivity Density of the Seawater at 15km Offshore of Odaka Ward (T-B1) Lower Layer (Bq/L)



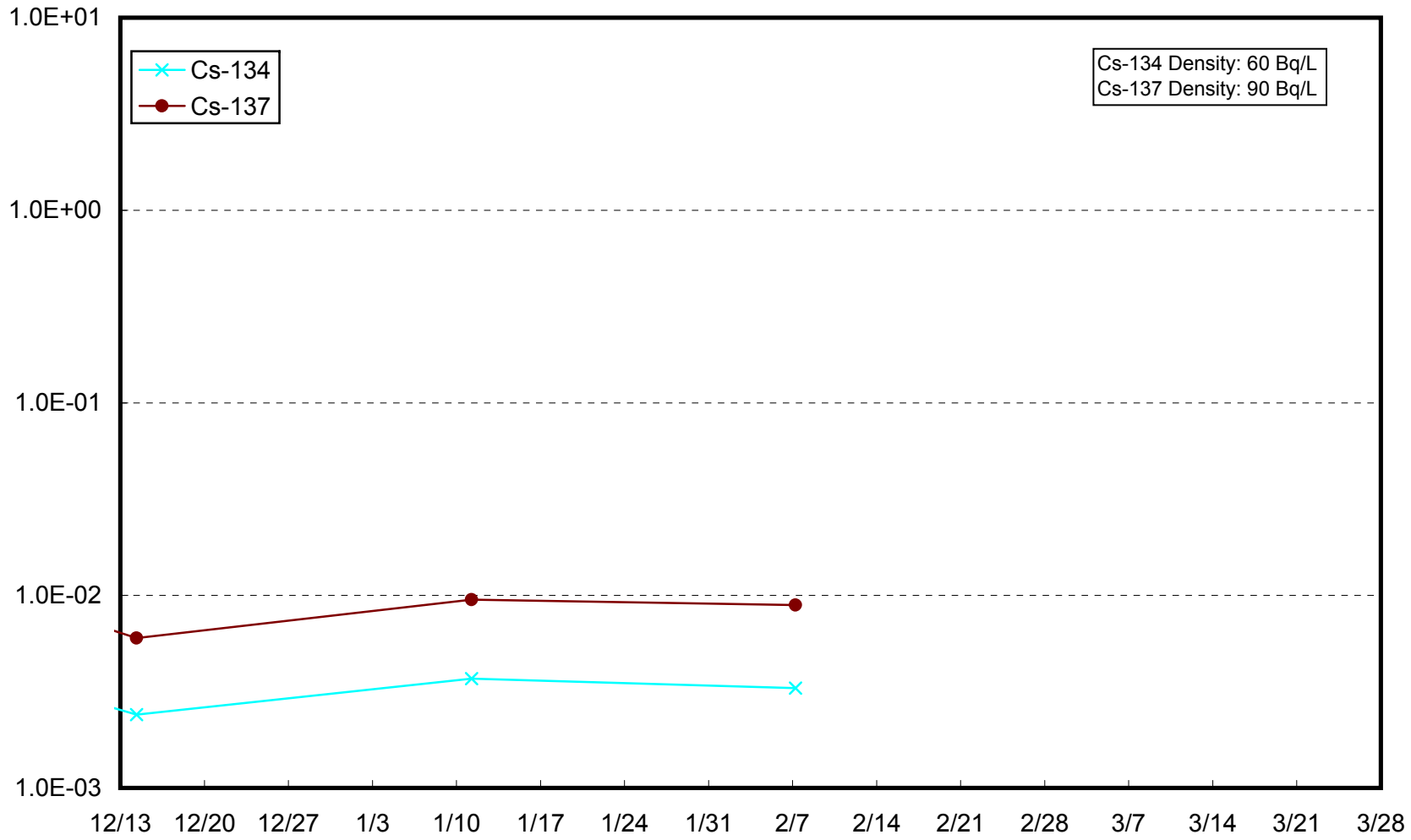
Radioactivity Density of the Seawater at 18km Offshore of Ukedo River (T-B2) Upper Layer (Bq/L)



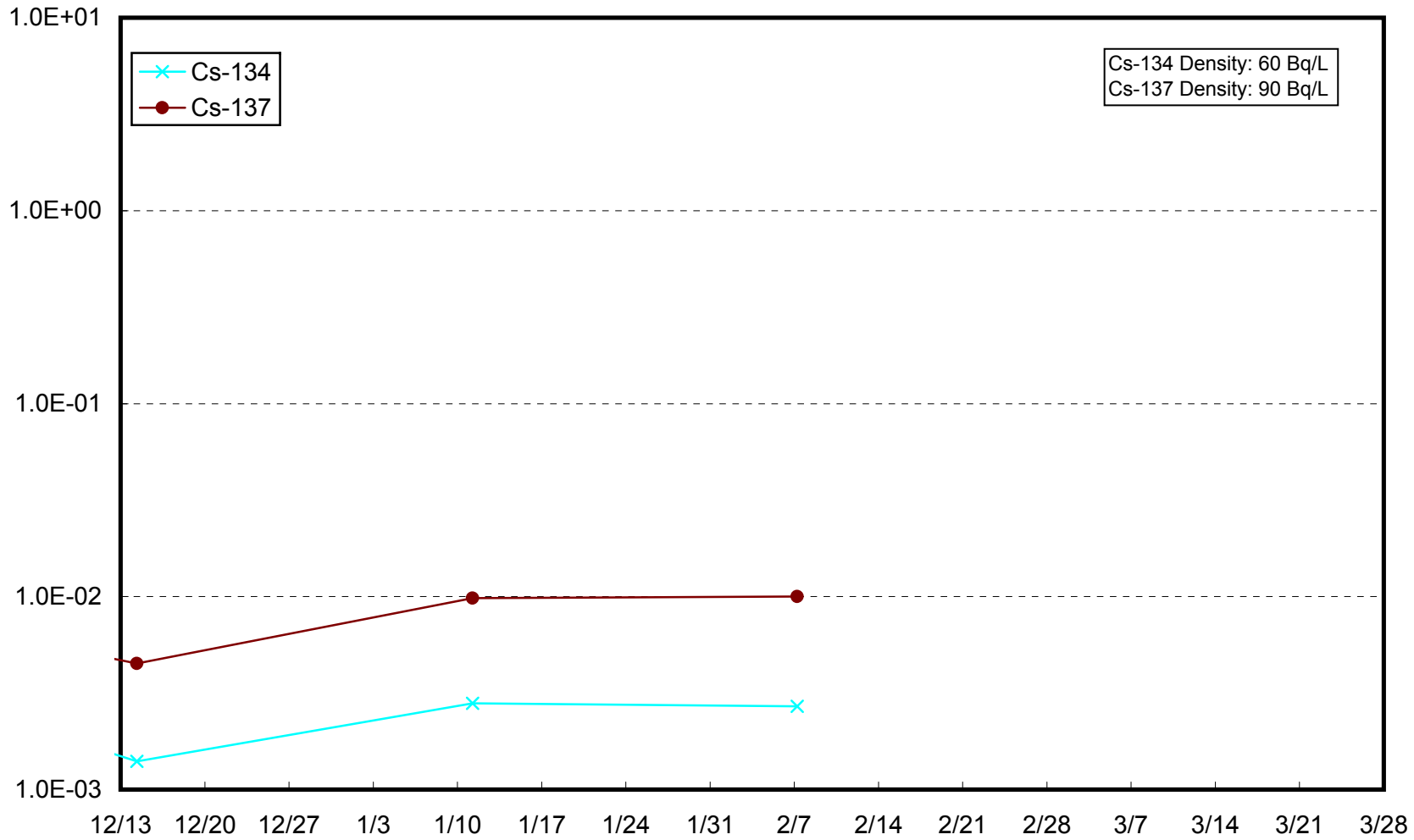
Radioactivity Density of the Seawater at 18km Offshore of Ukedo River (T-B2) Lower Layer (Bq/L)



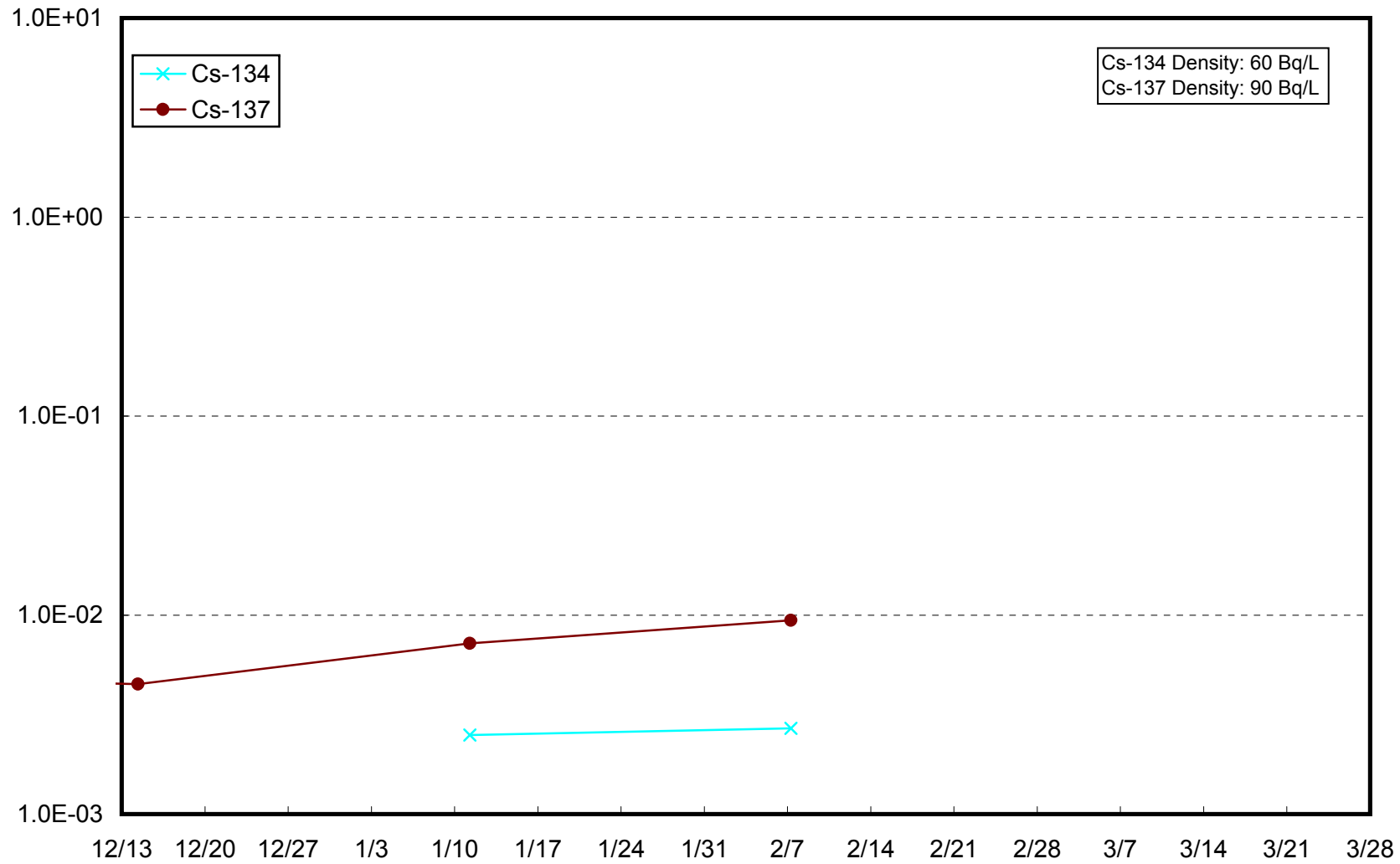
Radioactivity Density of the Seawater Around 10km Offshore of Fukushima Daiichi NPS (T-B3) Upper Layer (Bq/L)



Radioactivity Density of the Seawater Around 10km Offshore of Fukushima Daiichi NPS (T-B3) Lower Layer (Bq/L)



Radioactivity Density of the Seawater Around 10km Offshore of Fukushima Daini (T-B4) Upper Layer (Bq/L)



Radioactivity Density of the Seawater Around 10km Offshore of Fukushima Daini (T-B4) Lower Layer (Bq/L)

