

Reference

Nuclide Analysis Results of Radioactive Materials in Seawater < Coast, Fukushima Daiichi Nuclear Power Station >

(Data summarized on May 18)

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)		Around South Discharge Channel of 1F (approx. 330m south of 1-4u Discharge Channel)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	May 17, 2012 8:40 AM		May 17, 2012 8:20 AM		
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	
I-131 (approx. 8 days)	ND	-	ND	-	40
Cs-134 (approx. 2 years)	ND	-	ND	-	60
Cs-137 (approx. 30 years)	ND	-	ND	-	90

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

* Data of other nuclides are under evaluation.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below the detection limit.

I-131: approx. 0.51Bq/L, Cs-134: approx. 1.3Bq/L, Cs-137: approx. 1.6Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Nuclide Analysis Results of Radioactive Materials in Seawater < Coast, Fukushima Daini Nuclear Power Station >

(Data summarized on May 18)

Place of Sampling	Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (Approx. 10 km from 1F)		2F Iwasawa Shore (Approx. 7km south of U 1,2 discharge channel) (16km from 2F)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	May 15, 2012 8:15 AM		May 15, 2012 7:55 AM		
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	
I-131 (approx. 8 days)	ND	-	ND	-	40
Cs-134 (approx. 2 years)	0.30	0.01	0.32	0.01	60
Cs-137 (approx. 30 years)	ND	-	0.72	0.01	90

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

* Data of other nuclides are under evaluation.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* "ND" means the sampled data is below the detection limit.

I-131: approx. 0.16Bq/L, Cs-137: approx. 0.30Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Nuclide Analysis Results of Radioactive Materials in Seawater <Offshore>

(Data summarized on May 18)

Place of Sampling	3km Offshore of the Ukedo River (T-D1)				3km Offshore of 1F (T-D5)				3km Offshore of 2F (T-D9)				Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Upper Layer		Lower Layer		Upper Layer		Lower Layer		Upper Layer		Lower Layer		
Time of Sampling	Apr 21, 2012 9:50 AM		Apr 21, 2012 9:50 AM		Apr 21, 2012 9:20 AM		Apr 21, 2012 9:20 AM		Apr 21, 2012 9:10 AM		Apr 21, 2012 9:10 AM		
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	
Cs-134 (approx. 2 years)	0.026	0.00	0.054	0.00	0.017	0.00	0.074	0.00	0.073	0.00	0.038	0.00	60
Cs-137 (approx. 30 years)	0.036	0.00	0.077	0.00	0.027	0.00	0.098	0.00	0.11	0.00	0.051	0.00	90

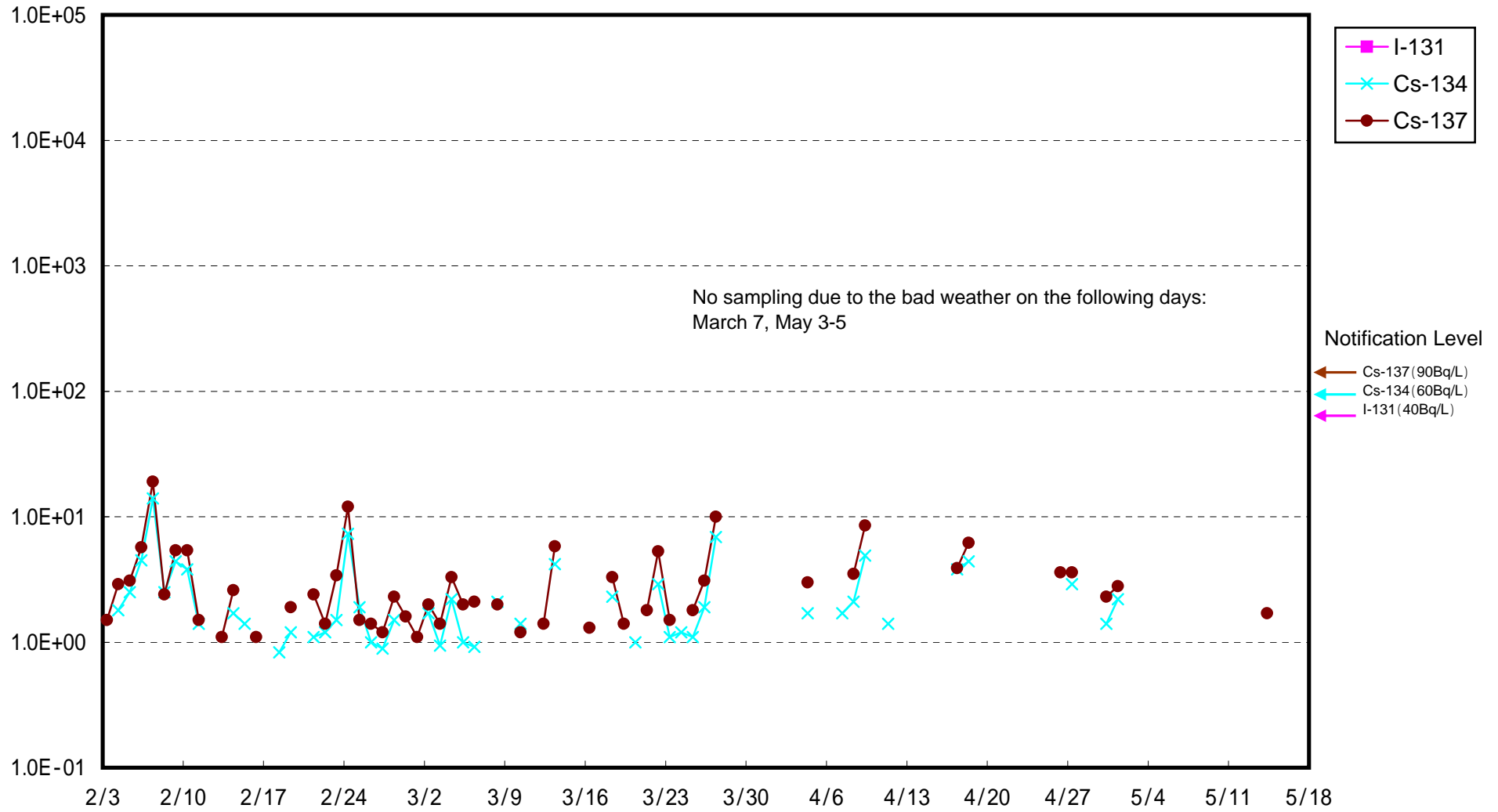
Place of Sampling	Around 3km Offshore of the Ukedo River (T-S3)				Around 3km Offshore of 1F (T-S4)				/				Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Upper Layer		Lower Layer		Upper Layer		Lower Layer						
Time of Sampling	Apr 25, 2012 7:20 AM		N/A		Apr 25, 2012 6:40 AM		N/A						
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	
Cs-134 (approx. 2 years)	0.12	0.00	-	-	0.10	0.00	-	-	/	/	/	/	60
Cs-137 (approx. 30 years)	0.16	0.00	-	-	0.14	0.00	-	-	/	/	/	/	90

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

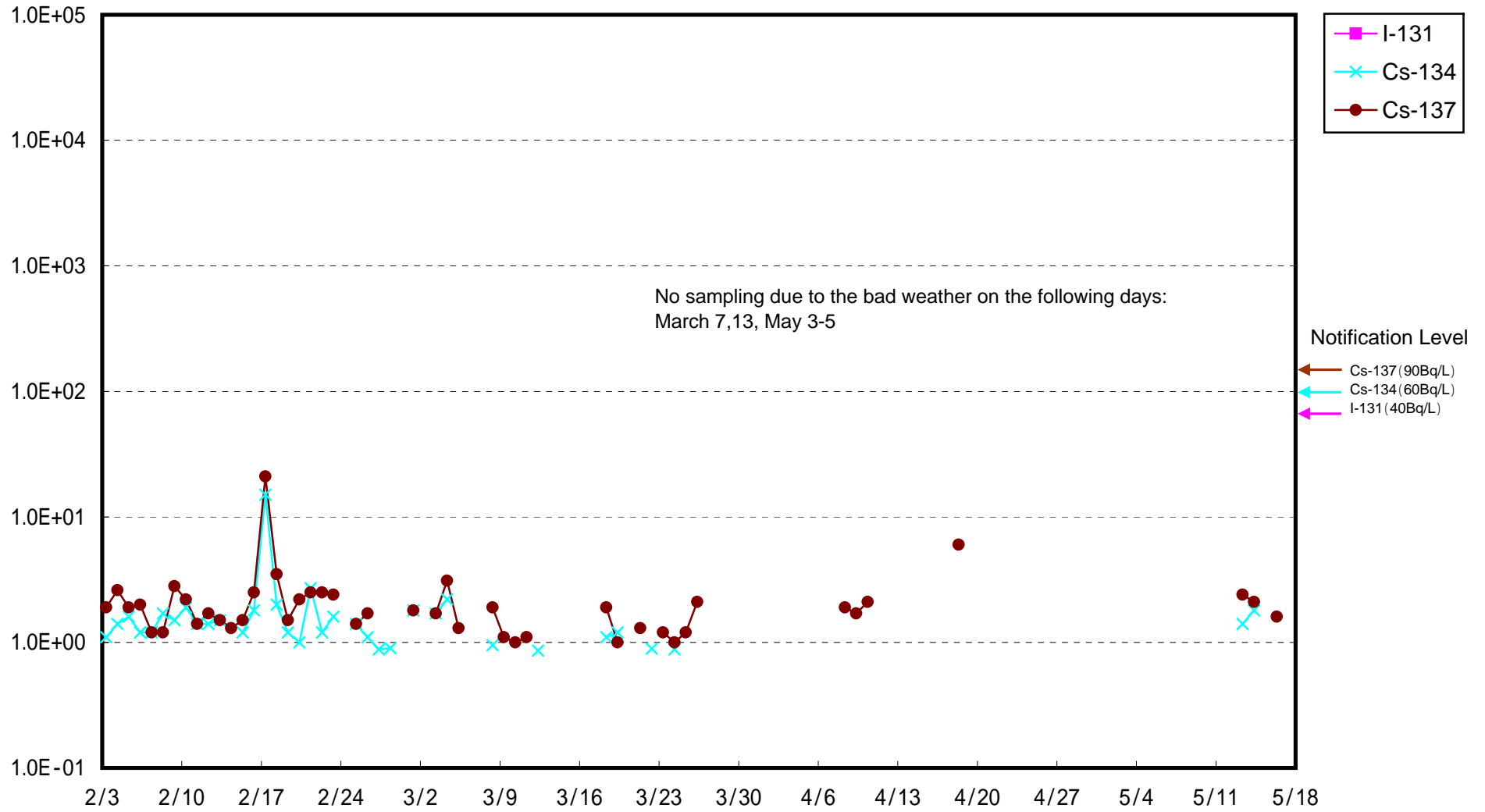
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

* Analyzed by Tokyo Electric Power Environmental Engineering Co., Inc.

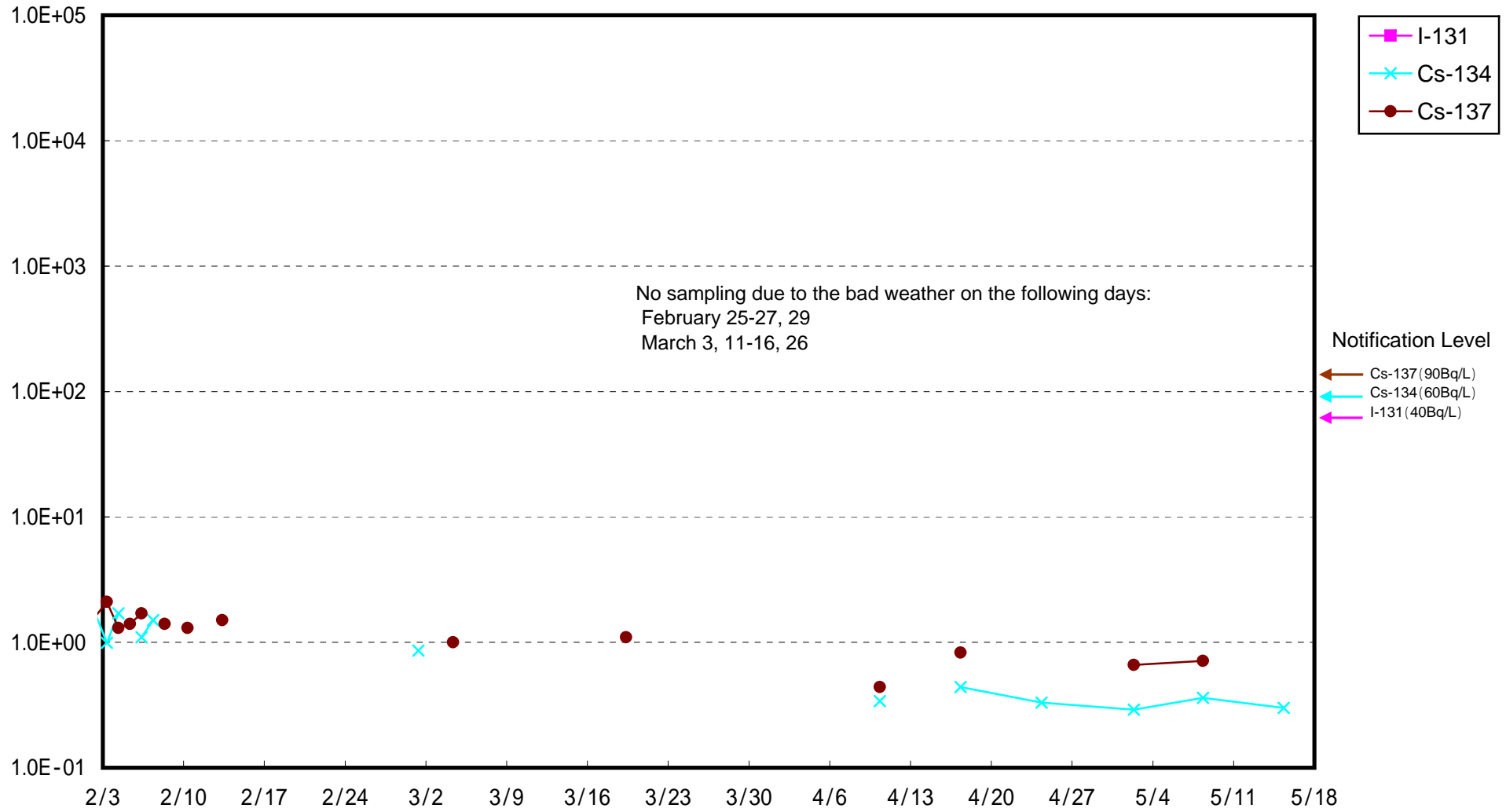
Radioactivity Density of Seawater at North of 1F5-6 Discharge Channel (Bq/L)



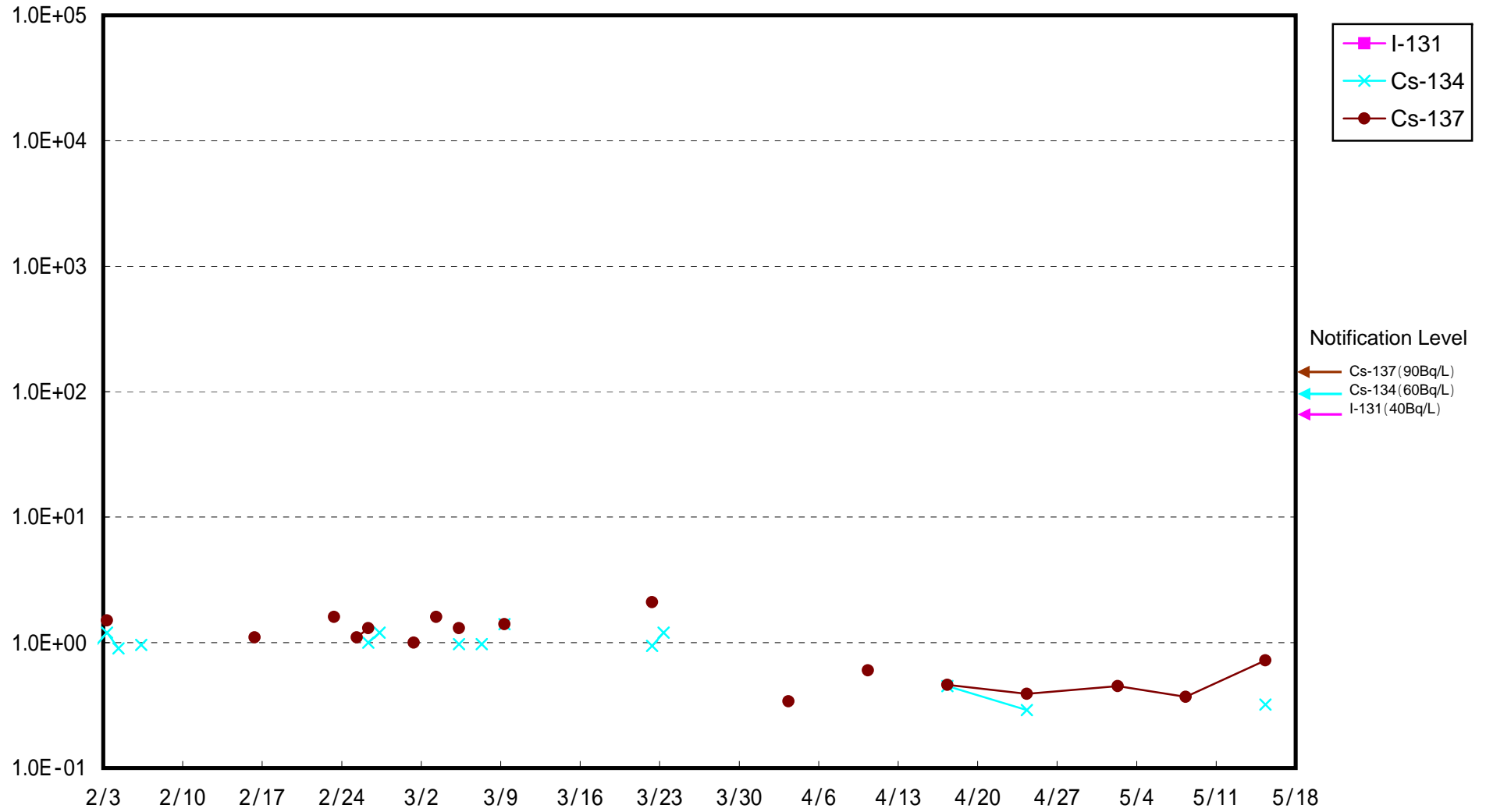
Radioactivity Density of Seawater at South Discharge Channel of 1F (Bq/L)



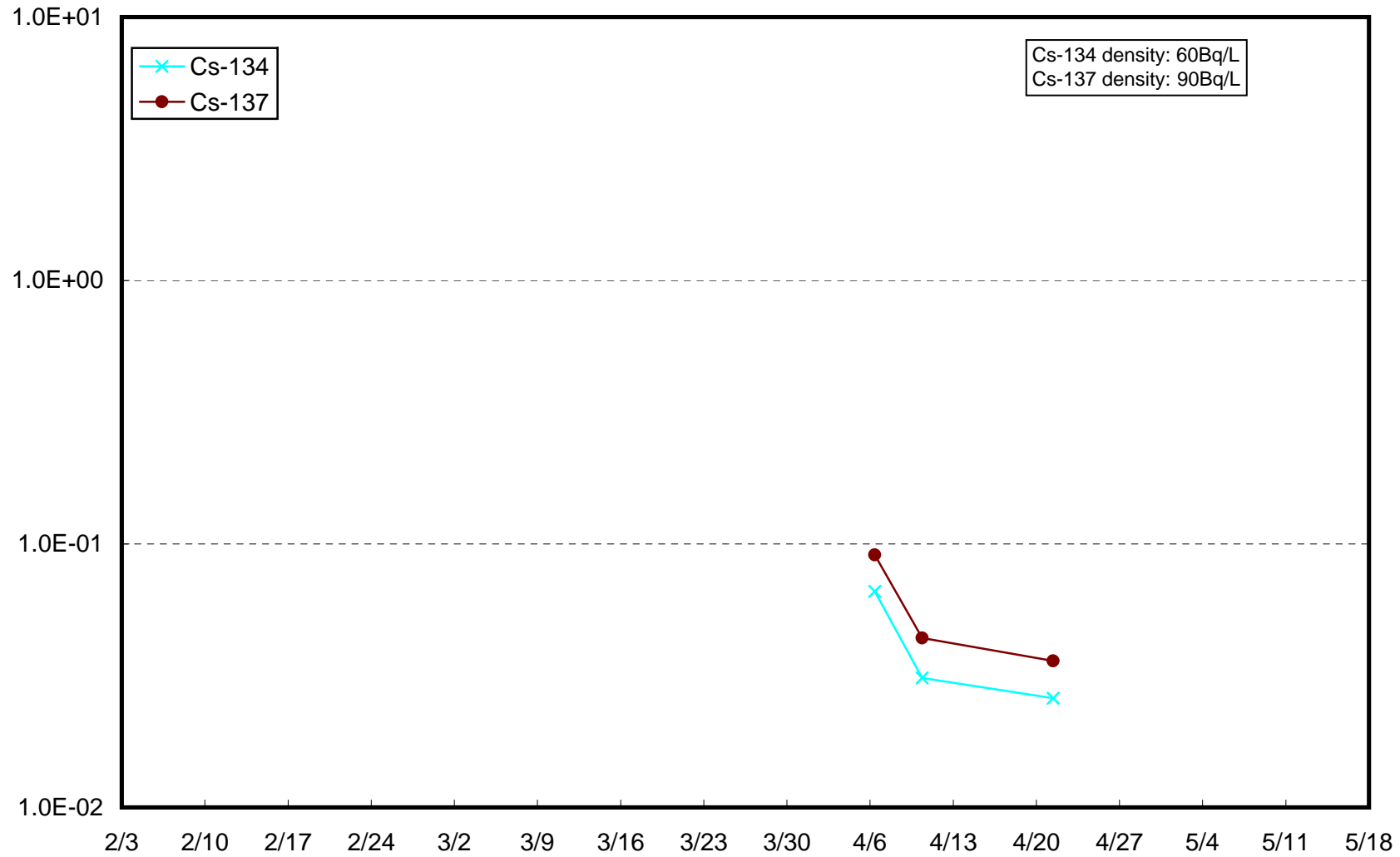
Radioactivity Density of Seawater at North Discharge Channel of 2F (Bq/L)



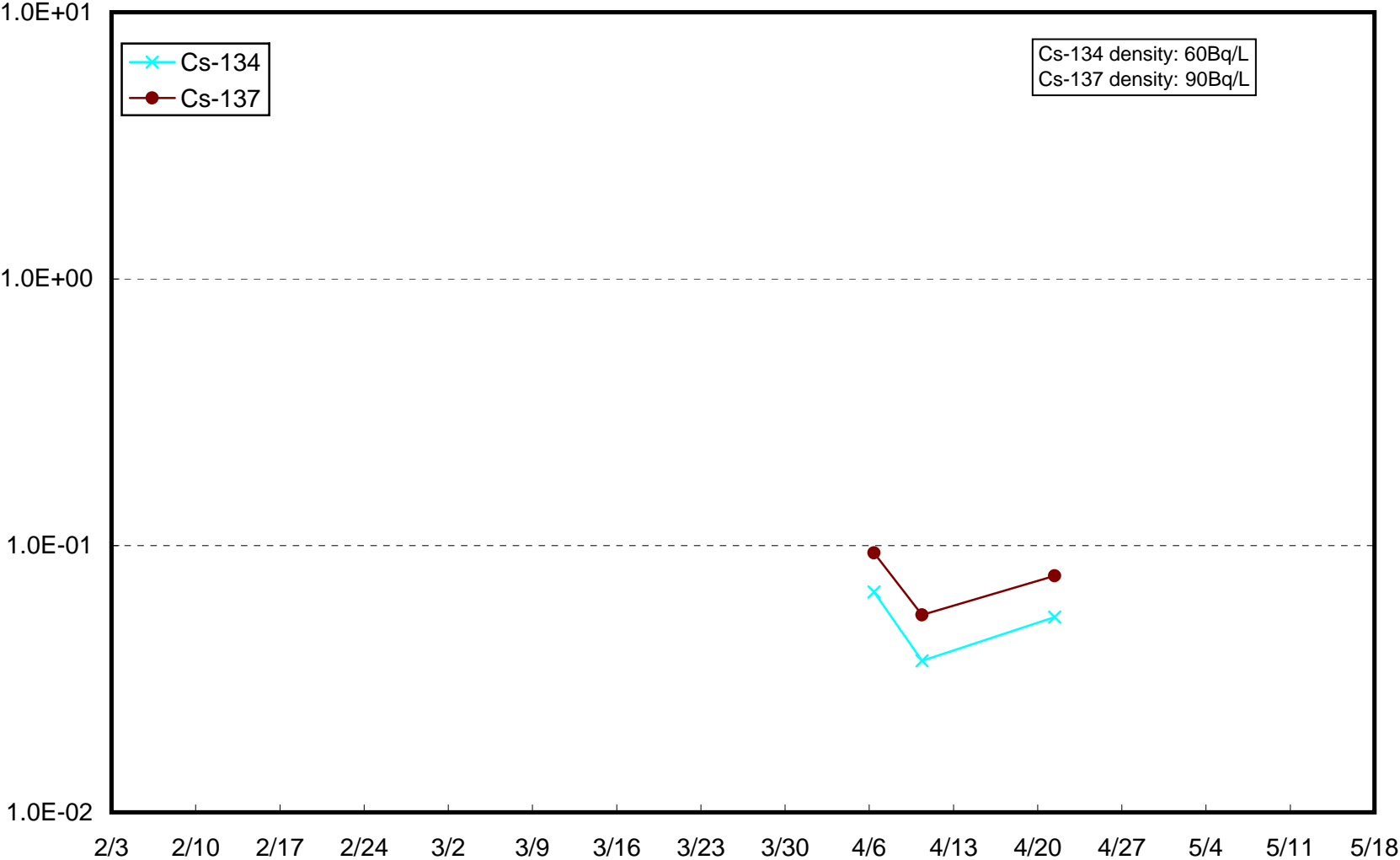
Radioactivity Density of Seawater at Iwasawa Shore 2F (Bq/L)



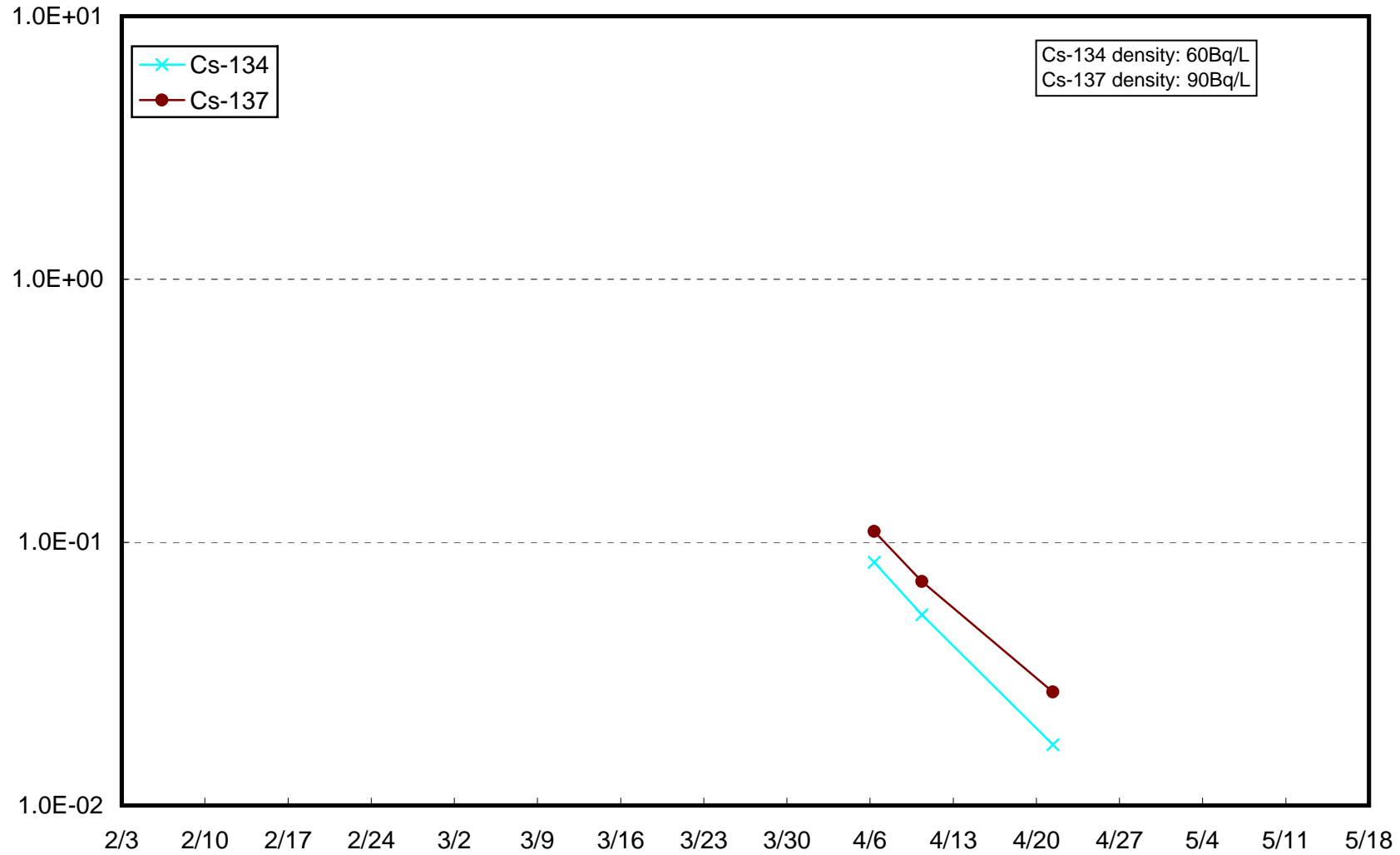
Radioactivity Density of Seawater Around 3km Offshore of the Ukedo River (T-D1) Upper Layer (Bq/L)



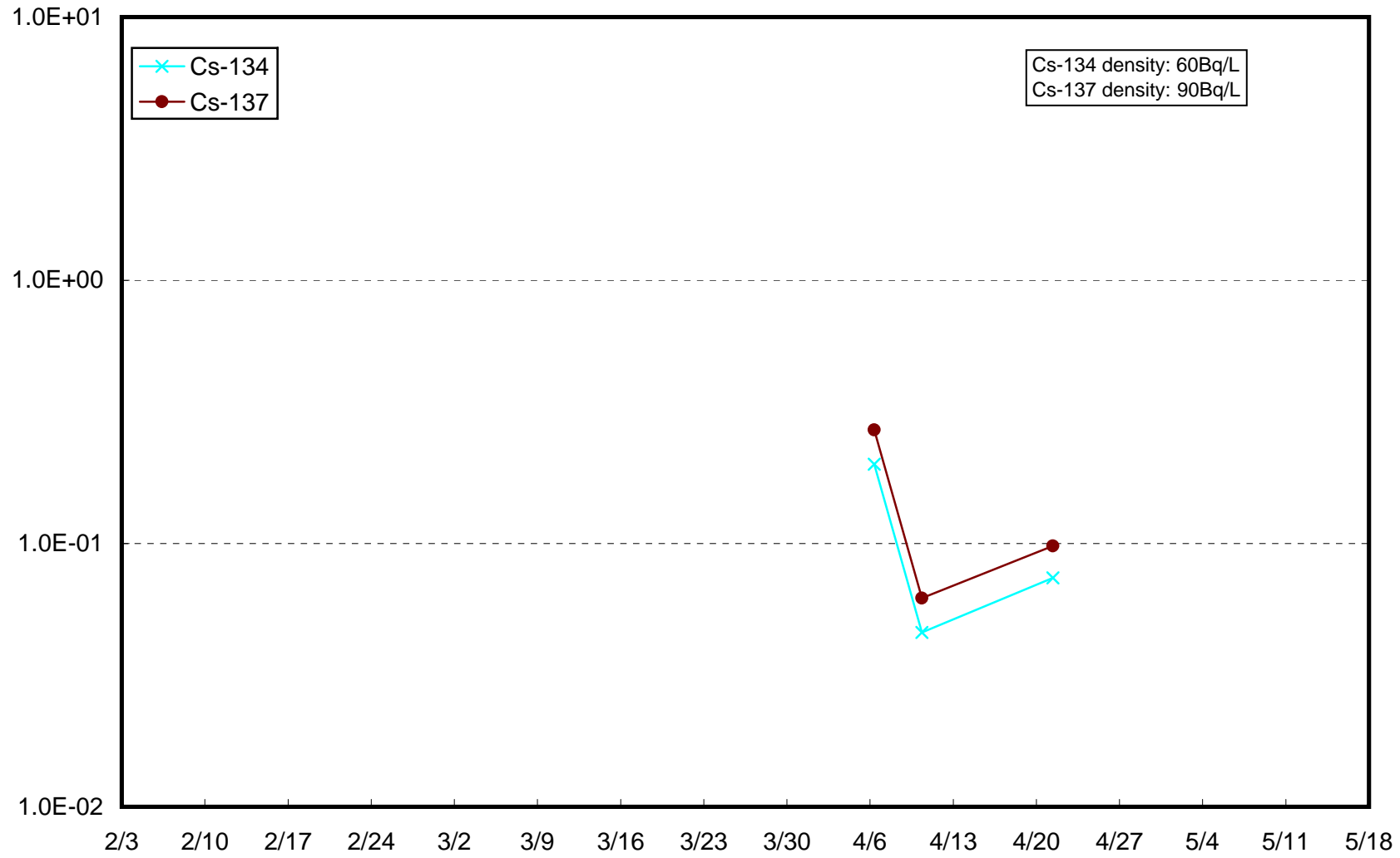
Radioactivity Density of Seawater Around 3km Offshore of Ukedo River (T-D1) Lower Layer (Bq/L)



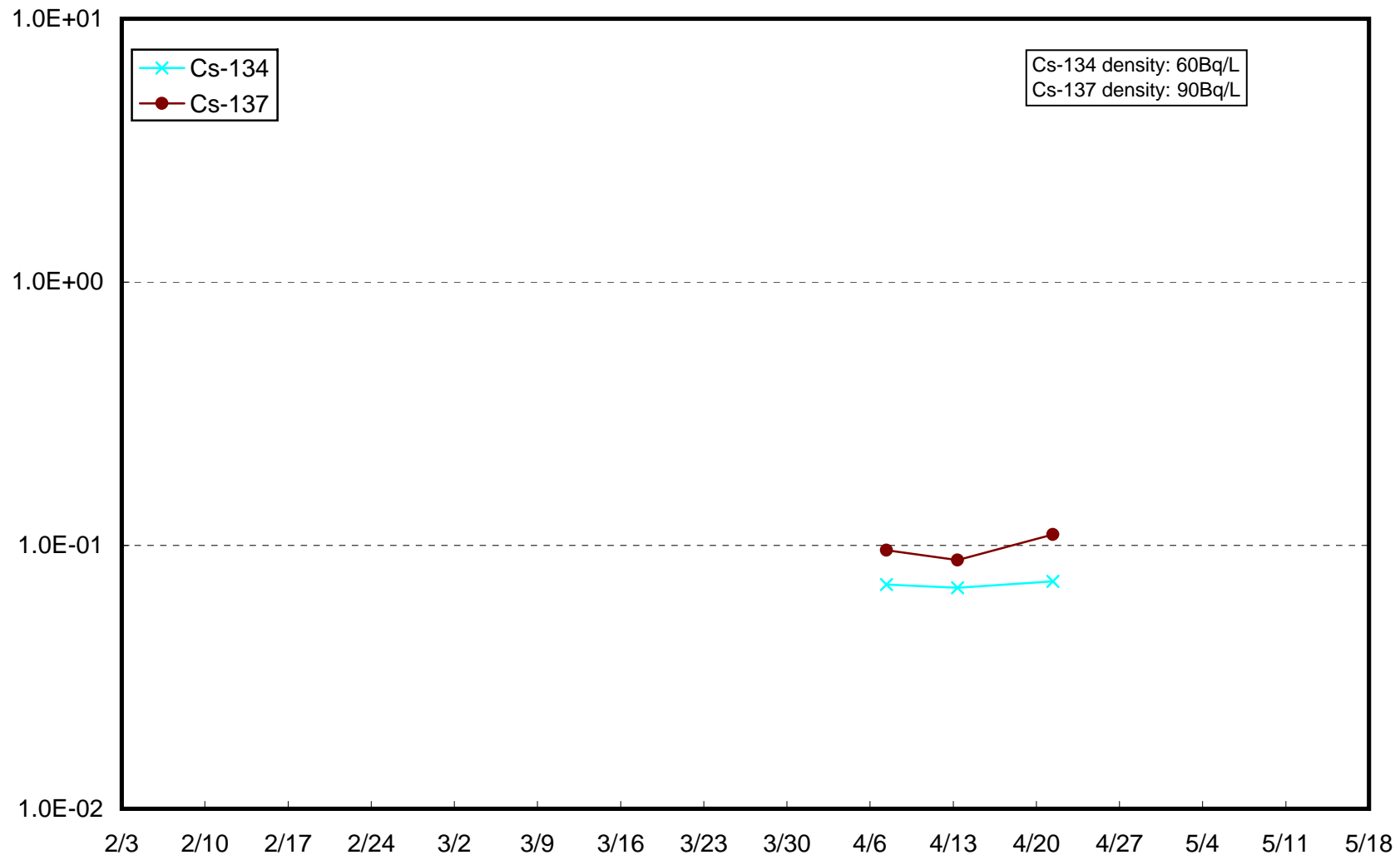
Radioactivity Density of Seawater (Upper Layer) Around 3km Offshore of Fukushima Daiichi NPS (T-D5) (Bq/L)



Radioactivity Density of Seawater (Lower Layer) Around 3km Offshore of Fukushima Daiichi NPS (T-D5)



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



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

