

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

(Data summarized on June 27)

Place of Sampling	North of Unit 5-6 Discharge Channel at 1F (Approx. 30m North of Unit 5-6 Discharge Channel)		Around 1F South Discharge Channel of 1F (Approx. 330m South of Unit 1-4 Discharge Channel)		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	Jun 26, 2012 7:50 AM		Jun 26, 2012 7:25 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)	1.8	0.02	ND	-	90

\* The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> 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.

I-131: Approx. 0.55Bq/L, Cs-134: Approx.1.3Bq/L, Cs-137: Approx.1.5Bq/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.

## Nuclides Analysis Result of the Radioactive Materials in the Seawater < Offshore 1/2 >

(Data summarized on June 27)

Place of Sampling (Place No.)	*1 3km Offshore of Odaka Ward (T-14)				*2 3km Offshore of Ukedo River (T-D1)				*2 3km Offshore of Fukushima Daiichi NPS (T-D5)				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	May 25, 2012 9:00 AM		May 25, 2012 9:00 AM		May 29, 2012 8:15 AM		May 29, 2012 8:15 AM		May 29, 2012 7:45 AM		May 29, 2012 7:45 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)	0.031	0.00	0.020	0.00	0.022	0.00	0.12	0.00	0.039	0.00	0.030	0.00	60
Cs-137 (Approx. 30 years)	0.041	0.00	0.029	0.00	0.035	0.00	0.17	0.00	0.065	0.00	0.043	0.00	90

Place of Sampling (Place No.)	*2 3km Offshore of Fukushima Daini NPS (T-D9)				*1 15km Offshore of Fukushima Daiichi NPS (T-5)				*1 3km Offshore of Iwasawa Shore (T-11)				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	Jun 1, 2012 8:00 AM		Jun 1, 2012 8:00 AM		May 24, 2012 9:00 AM		May 24, 2012 9:00 AM		May 24, 2012 7:00 AM		May 24, 2012 7:00 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)	0.098	0.00	0.026	0.00	0.0092	0.00	0.011	0.00	0.21	0.00	0.052	0.00	60
Cs-137 (Approx. 30 years)	0.15	0.00	0.041	0.00	0.014	0.00	0.017	0.00	0.30	0.00	0.071	0.00	90

\* The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

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

\* Analyzed by : \*1 THE GENERAL ENVIRONMENTAL TECHNOS Co., LTD., \*2 Tokyo Electric Power Environmental Engineering Co., Inc.

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

(Data summarized on June 27)

Place of Sampling (Place No.)	Around 3km Offshore of Ukedo River (T-S3)				Around 3km Offshore of Fukushima Daiichi NPS (T-S4)				/				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	May 24, 2012 6:30 AM		May 24, 2012 6:30 AM		May 24, 2012 7:10 AM		May 24, 2012 7:10 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)	0.036	0.00	0.016	0.00	0.037	0.00	0.032	0.00	/				60
Cs-137 (Approx. 30 years)	0.050	0.00	0.024	0.00	0.052	0.00	0.048	0.00	/				90

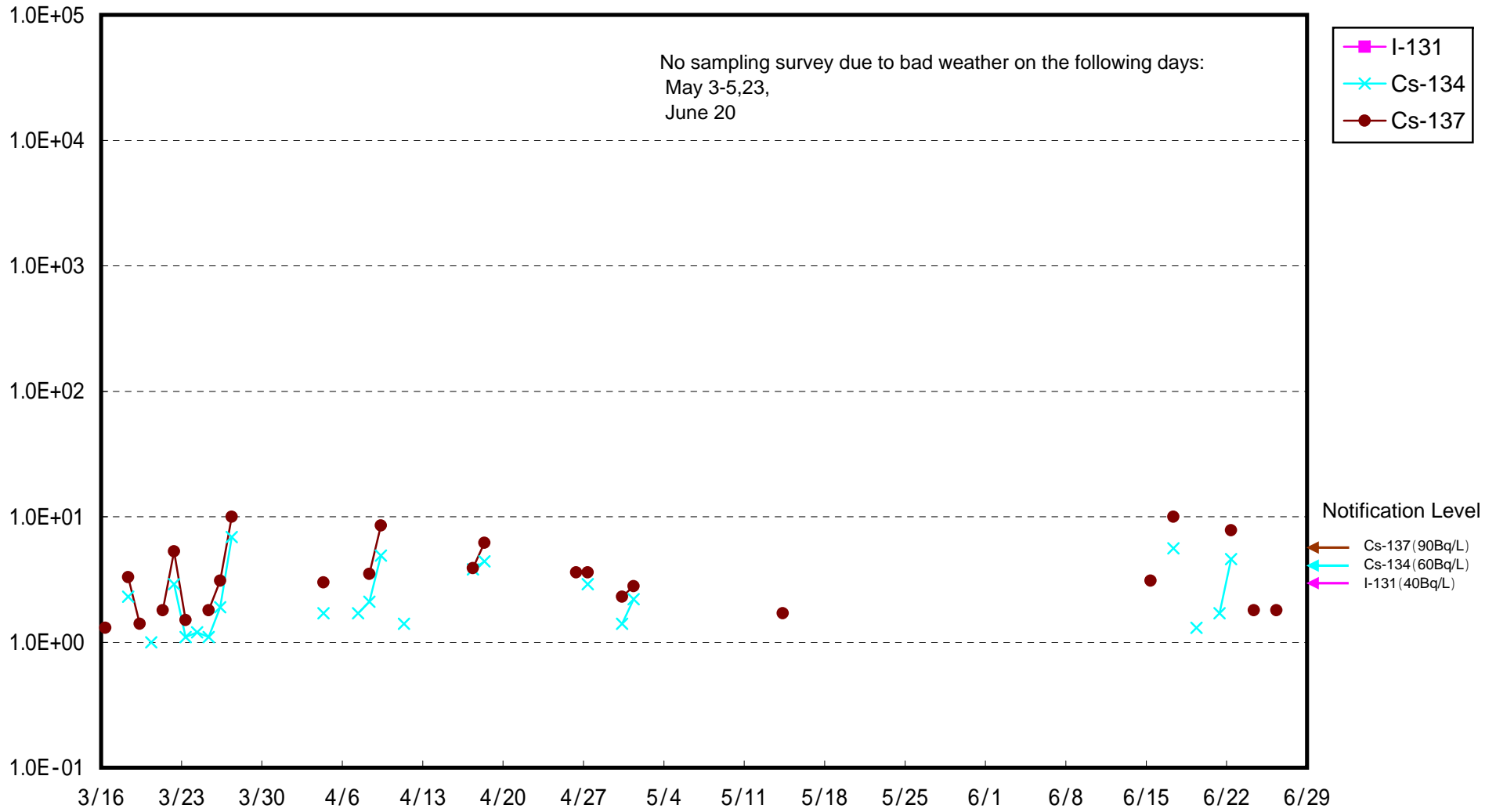
Place of Sampling (Place No.)	/				/				/				Density Limit Specified by the Reactor Regulation (Bq/L)  (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Upper Layer		Lower Layer		Upper Layer		Lower Layer		Upper Layer		Lower Layer		
Time of Sampling	/				/				/				
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)	/				/				/				60
Cs-137 (Approx. 30 years)	/				/				/				90

\* The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

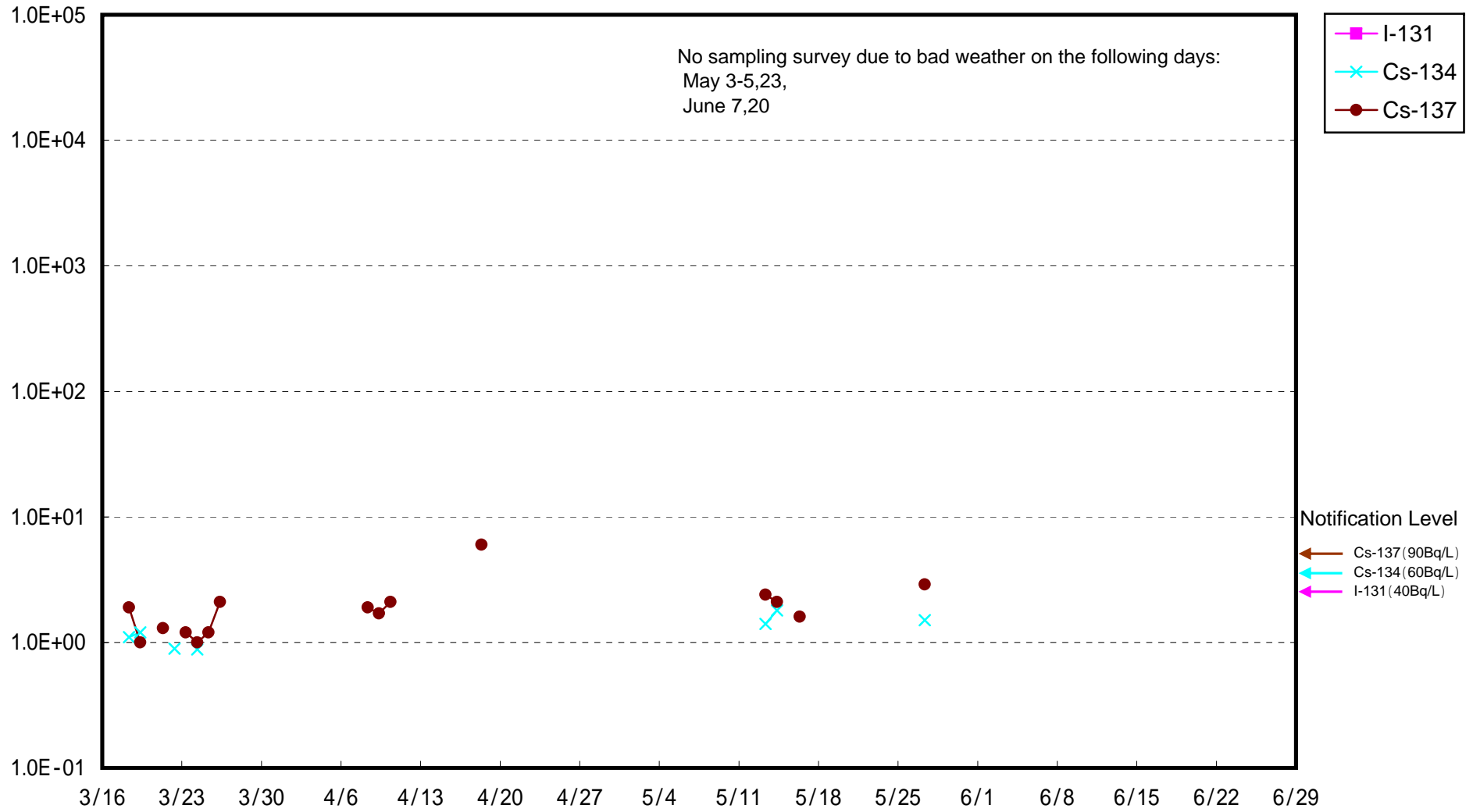
\* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

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

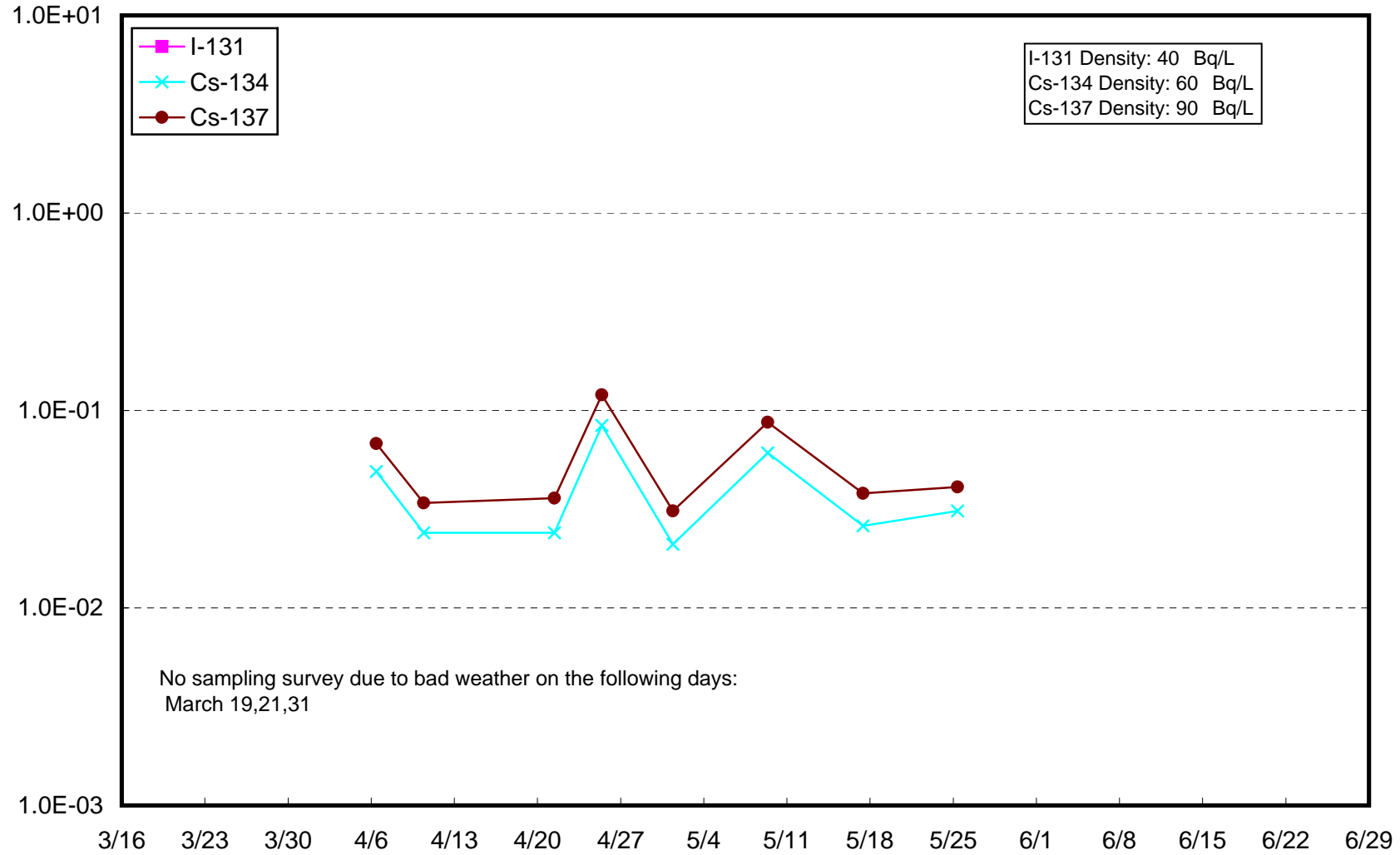
Radioactivity Density of the Seawater at the North of 1F Unit 5-6 Discharge Channel (Bq/L)



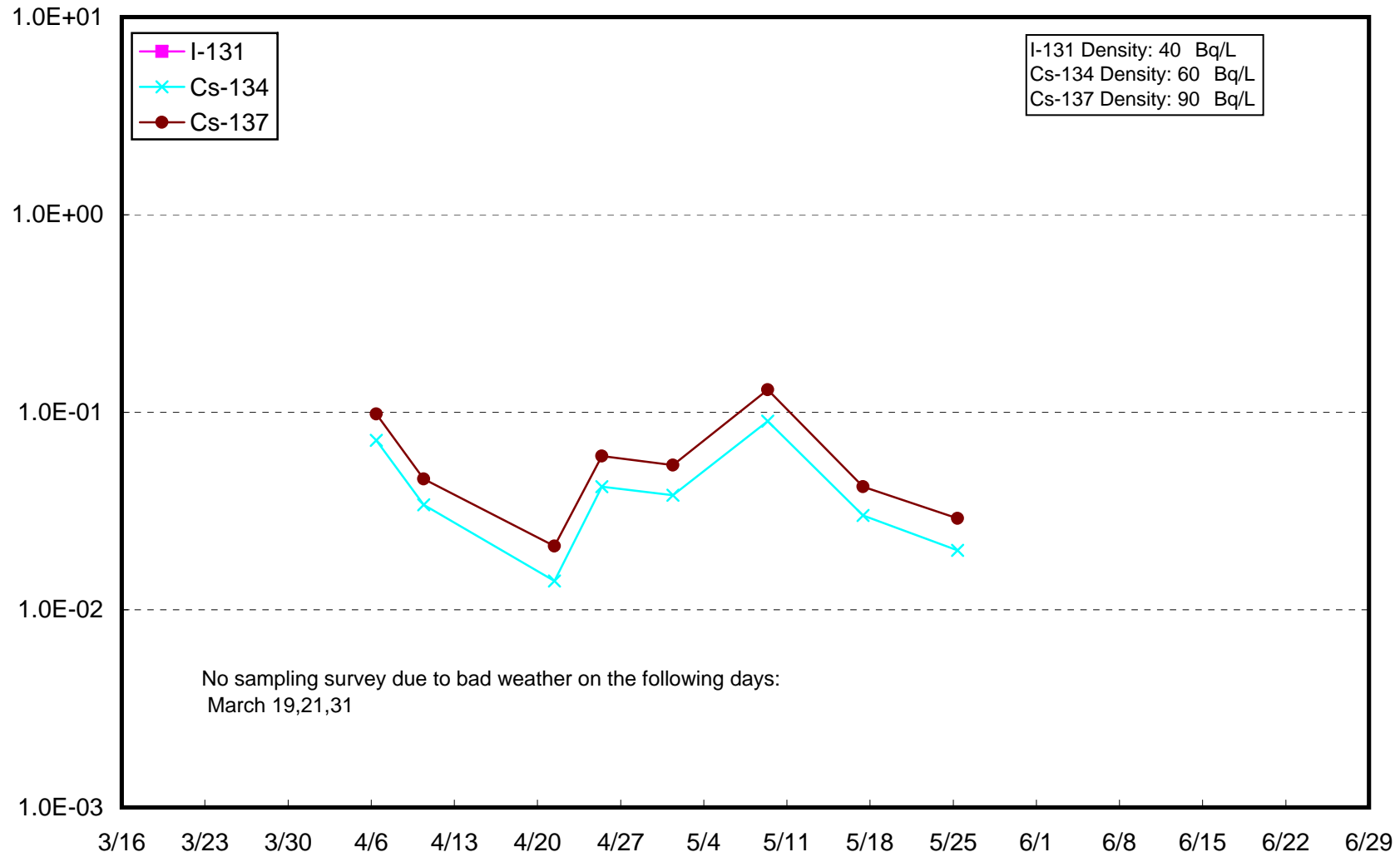
# Radioactivity Density of the Seawater at 1F South Discharge Channel (Bq/L)



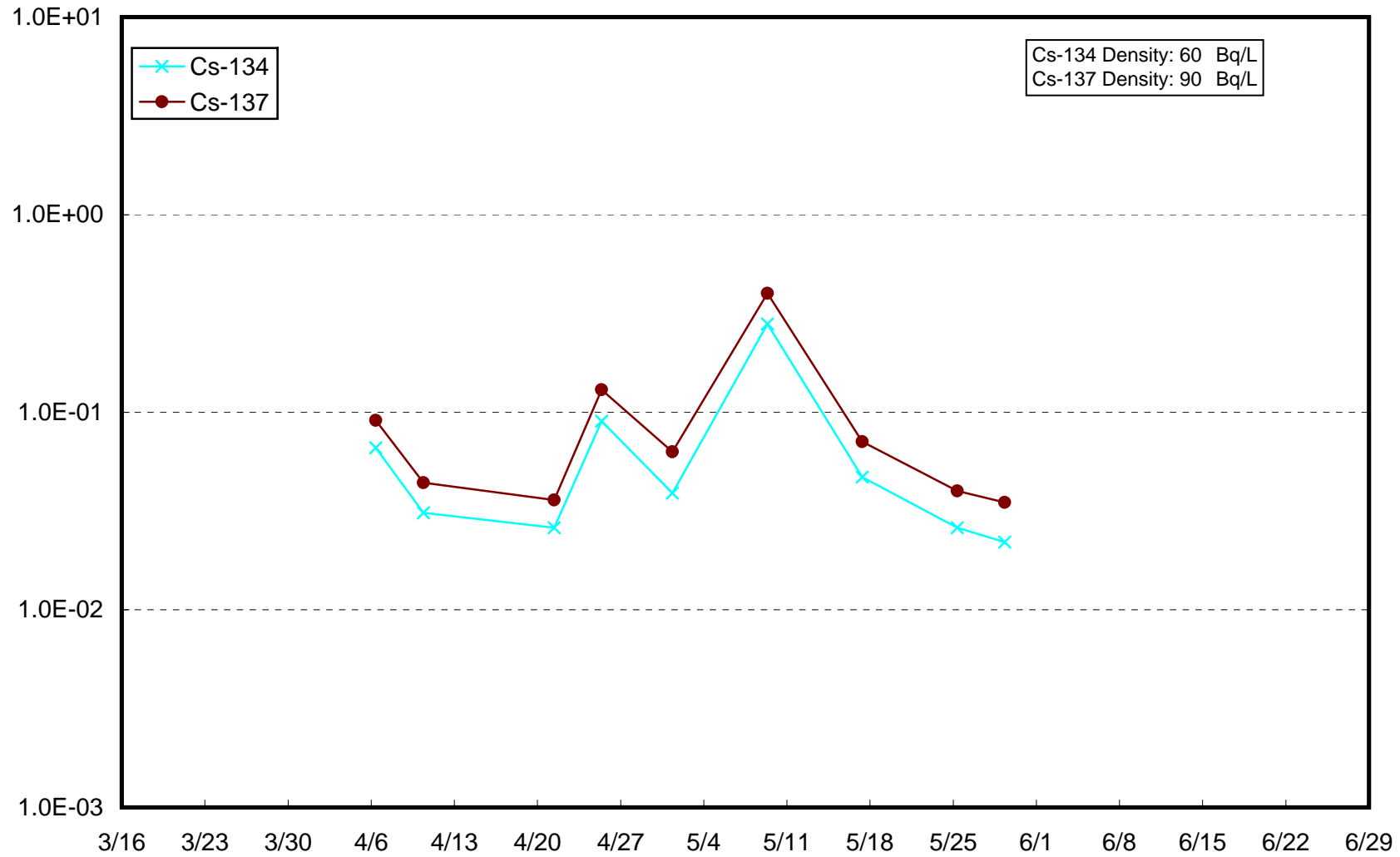
Radioactivity Density of the Seawater at 3km Offshore of Odaka Ward (T-14) Upper Layer (Bq/L)



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

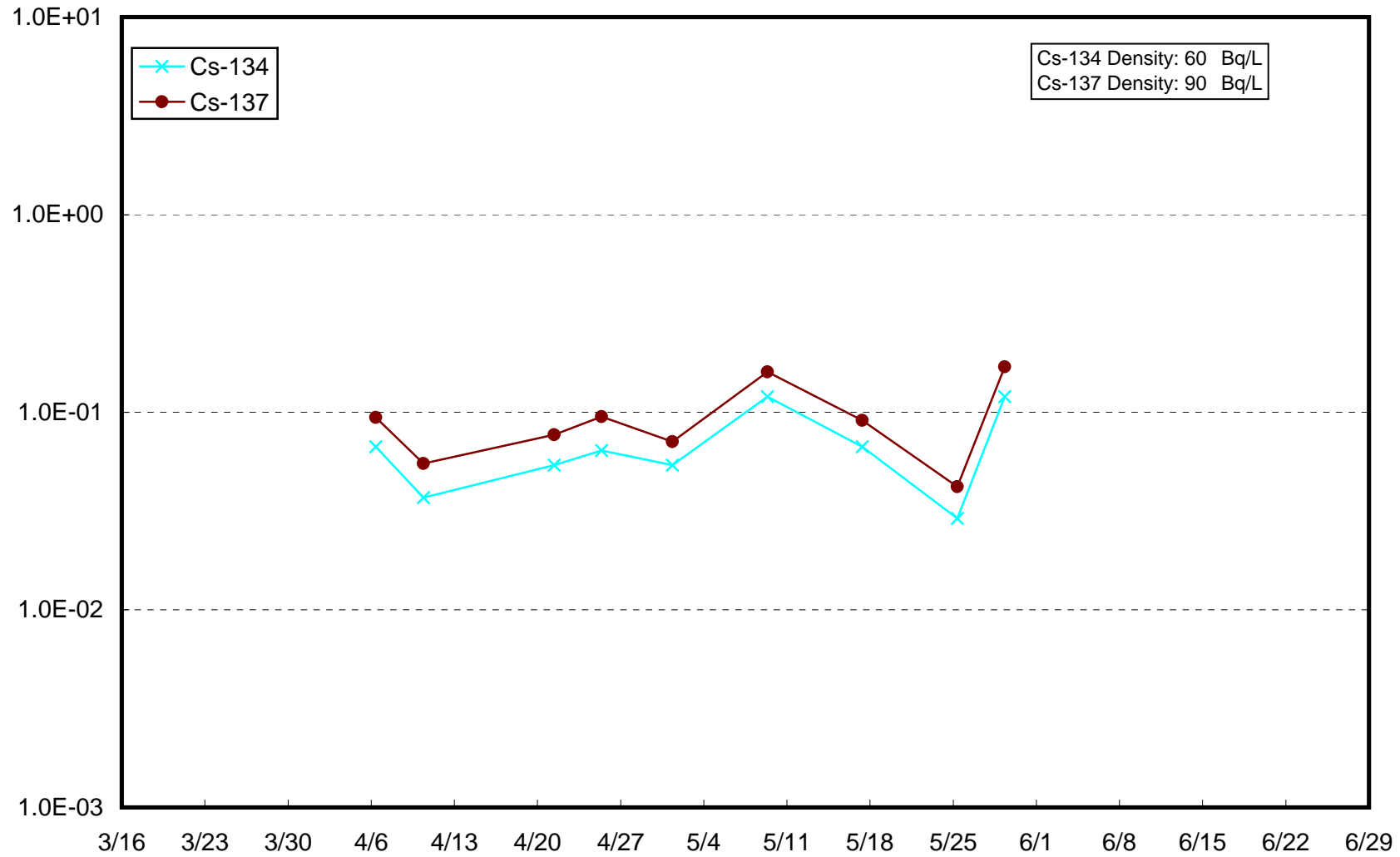


Radioactivity Density of the Seawater at 3km Offshore of Ukedo River (T-D1) Upper Layer (Bq/L)

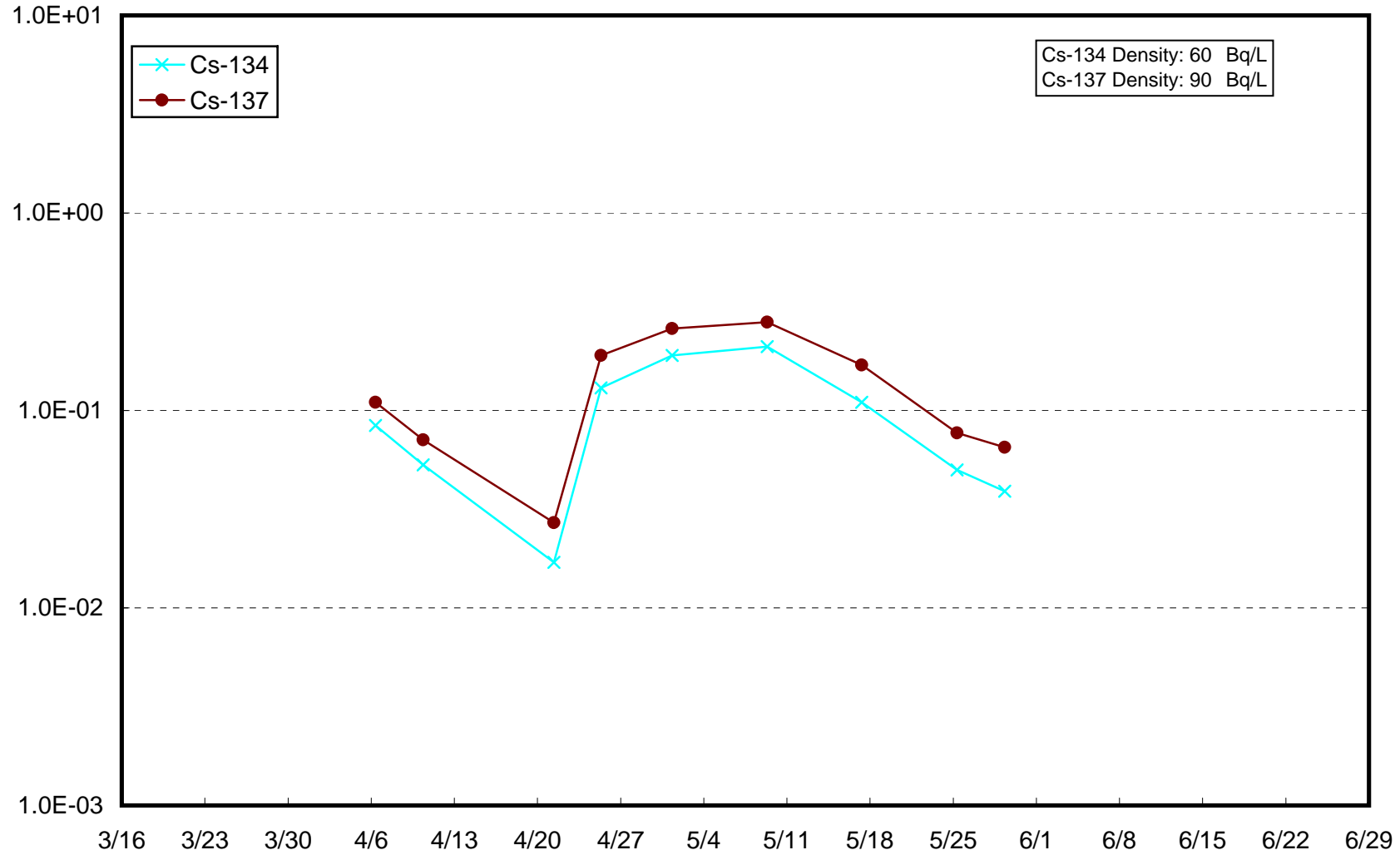




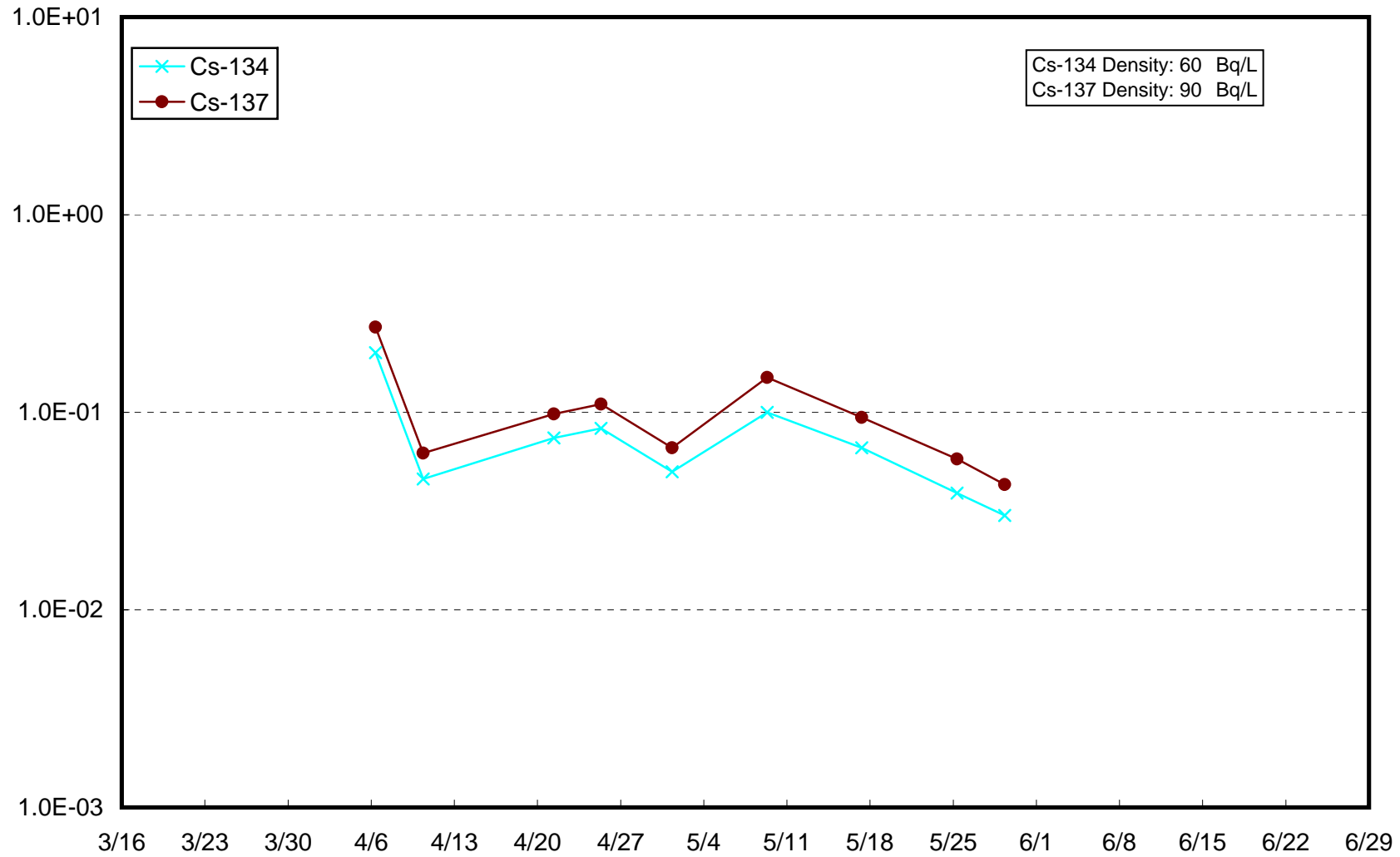
Radioactivity Density of the Seawater at 3km Offshore of Ukedo River (T-D1) Lower Layer (Bq/L)



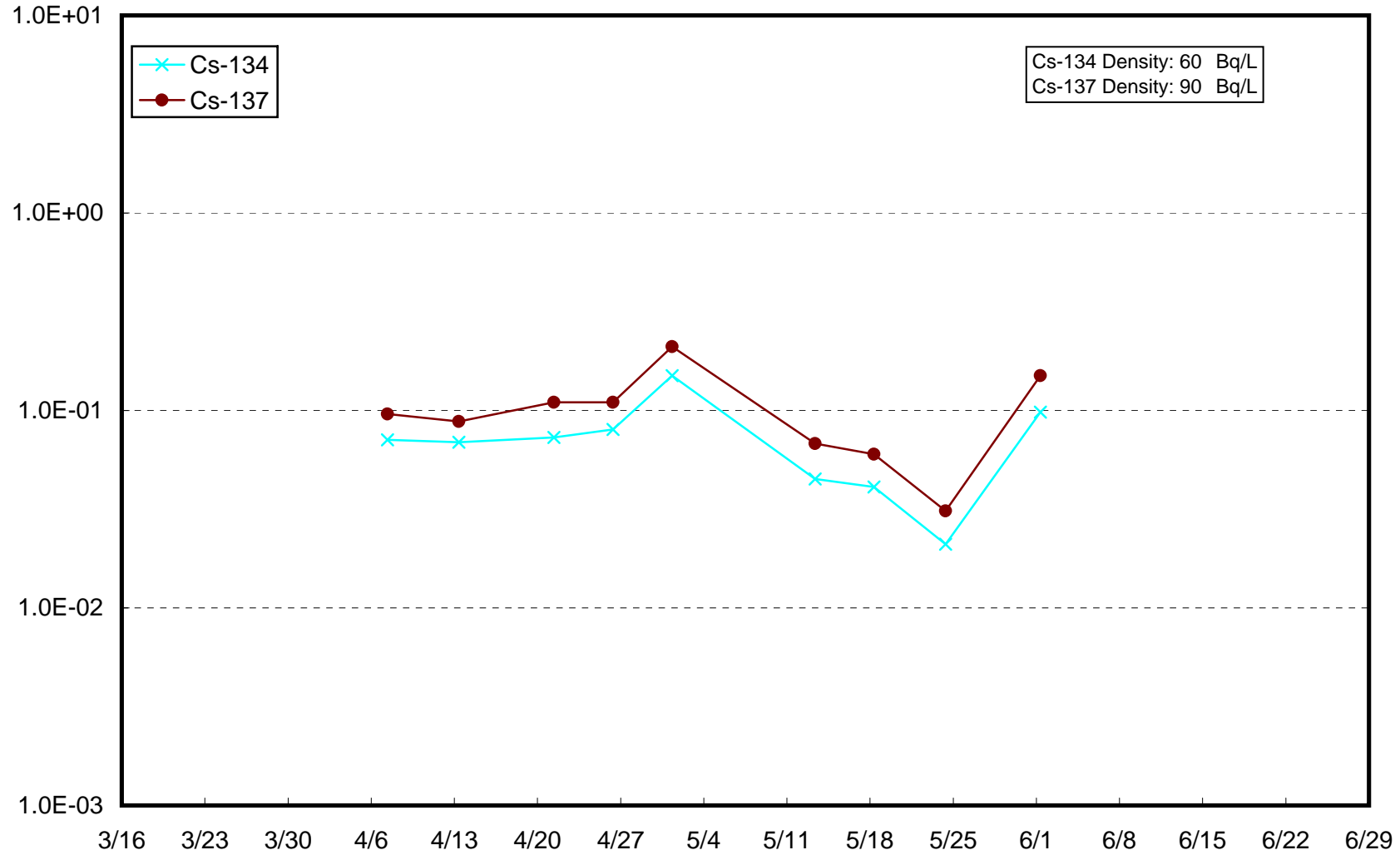
Radioactivity Density of the Seawater at 3km Offshore of Fukushima Daiichi NPS (T-D5) Upper Layer (Bq/L)



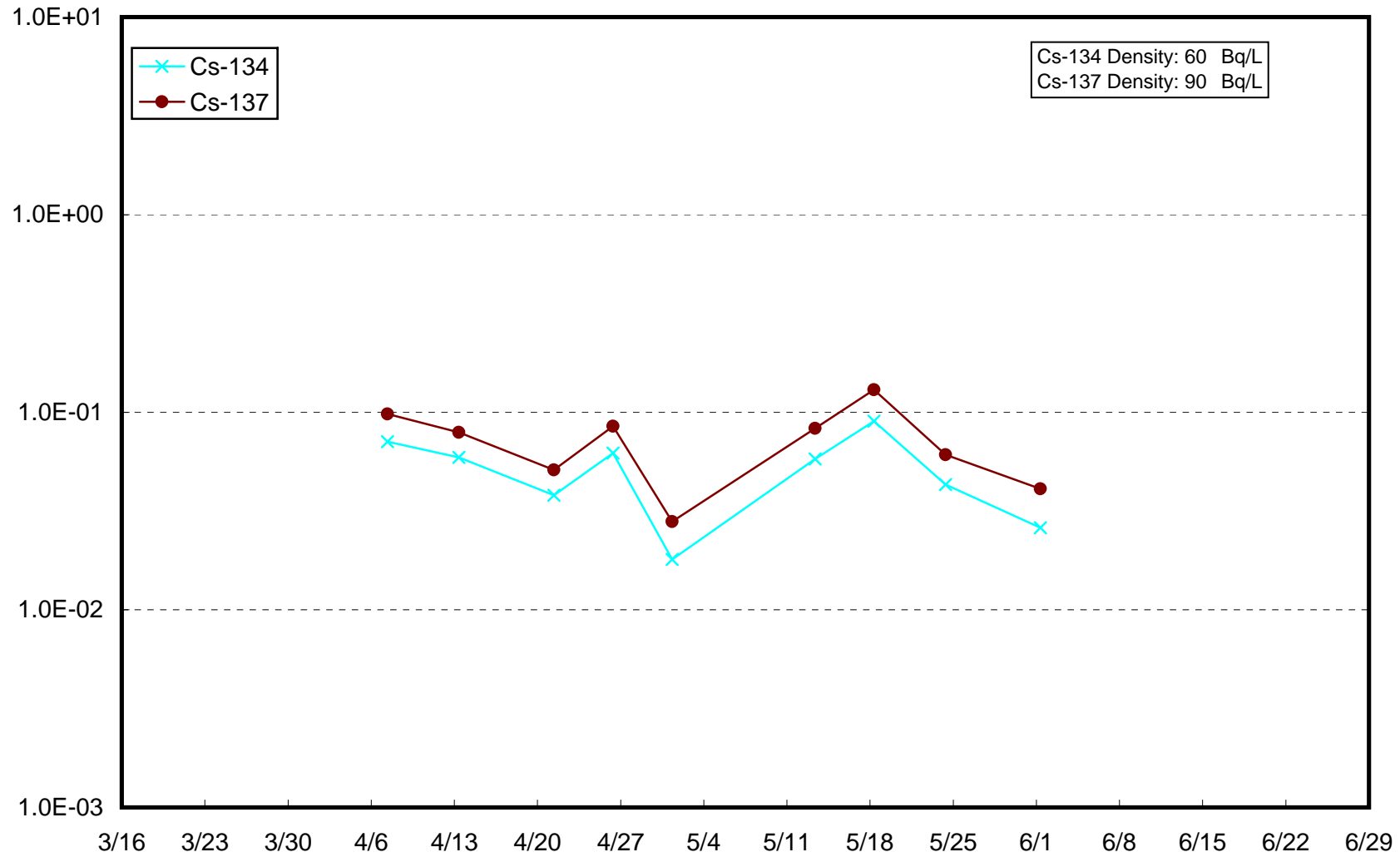
Radioactivity Density of the Seawater at 3km Offshore of Fukushima Daiichi NPS (T-D5) Lower Layer (Bq/L)



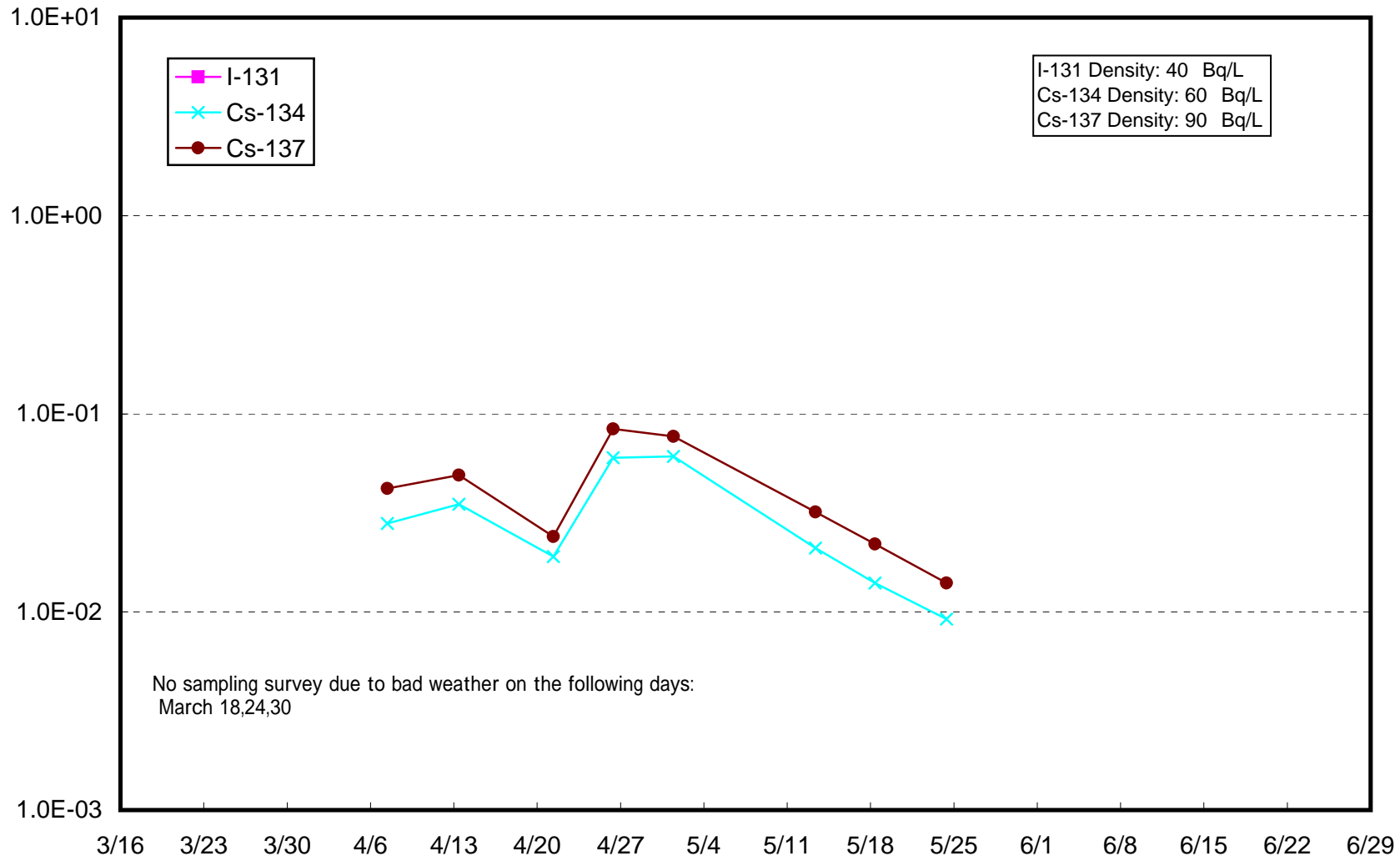
Radioactivity Density of the Seawater at 3km Offshore of Fukushima Daini NPS (T-D9) Upper Layer (Bq/L)



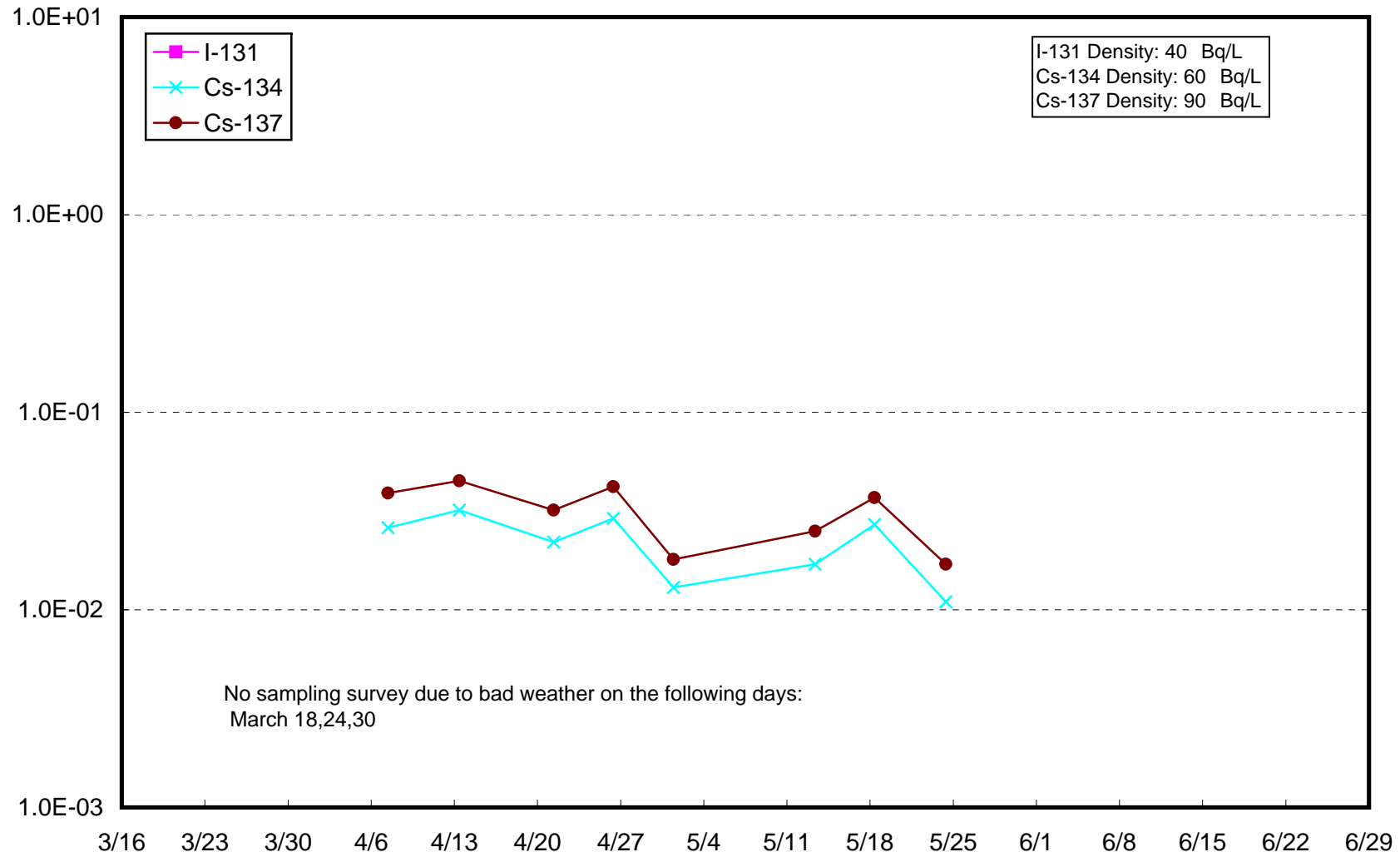
Radioactivity Density of the Seawater at 3km Offshore of Fukushima Daini NPS (T-D9) Lower Layer (Bq/L)



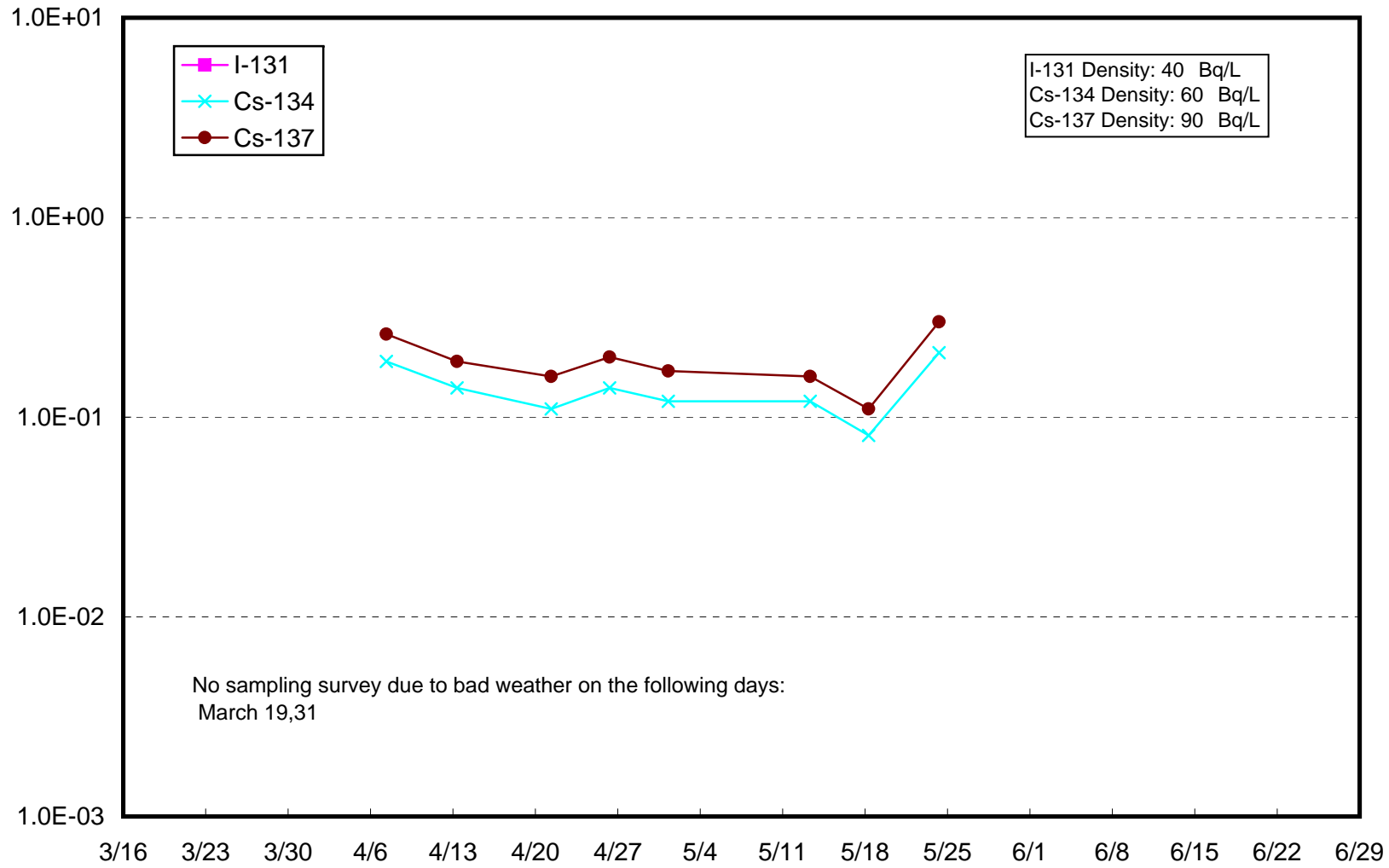
Radioactivity Density of the Seawater at 15km Offshore of Fukushima Daiichi NPS (T-5) Upper Layer (Bq/L)



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

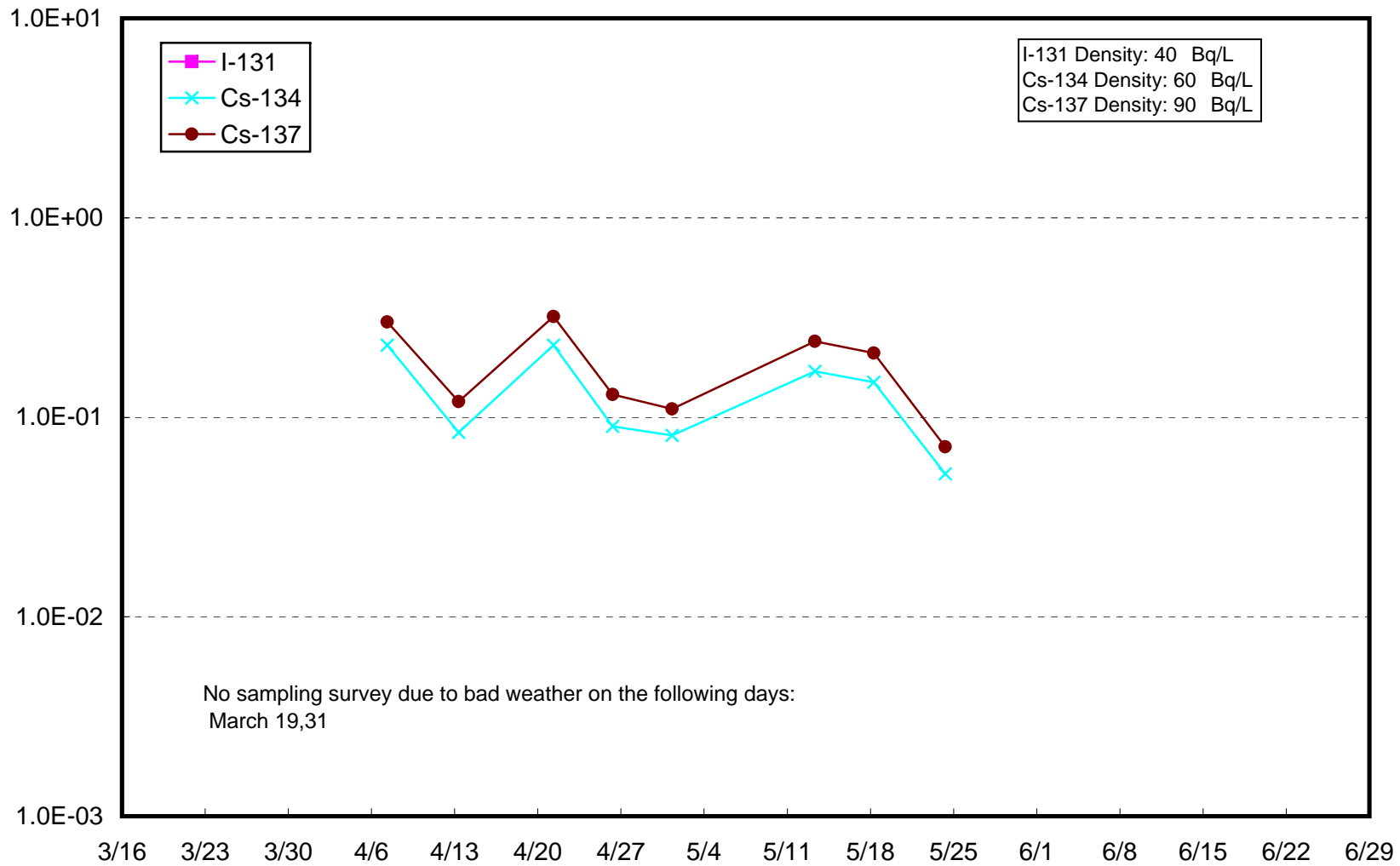


Radioactivity Density of the Seawater at 3km Offshore of Iwasawa Shore (T-11) Upper Layer (Bq/L)

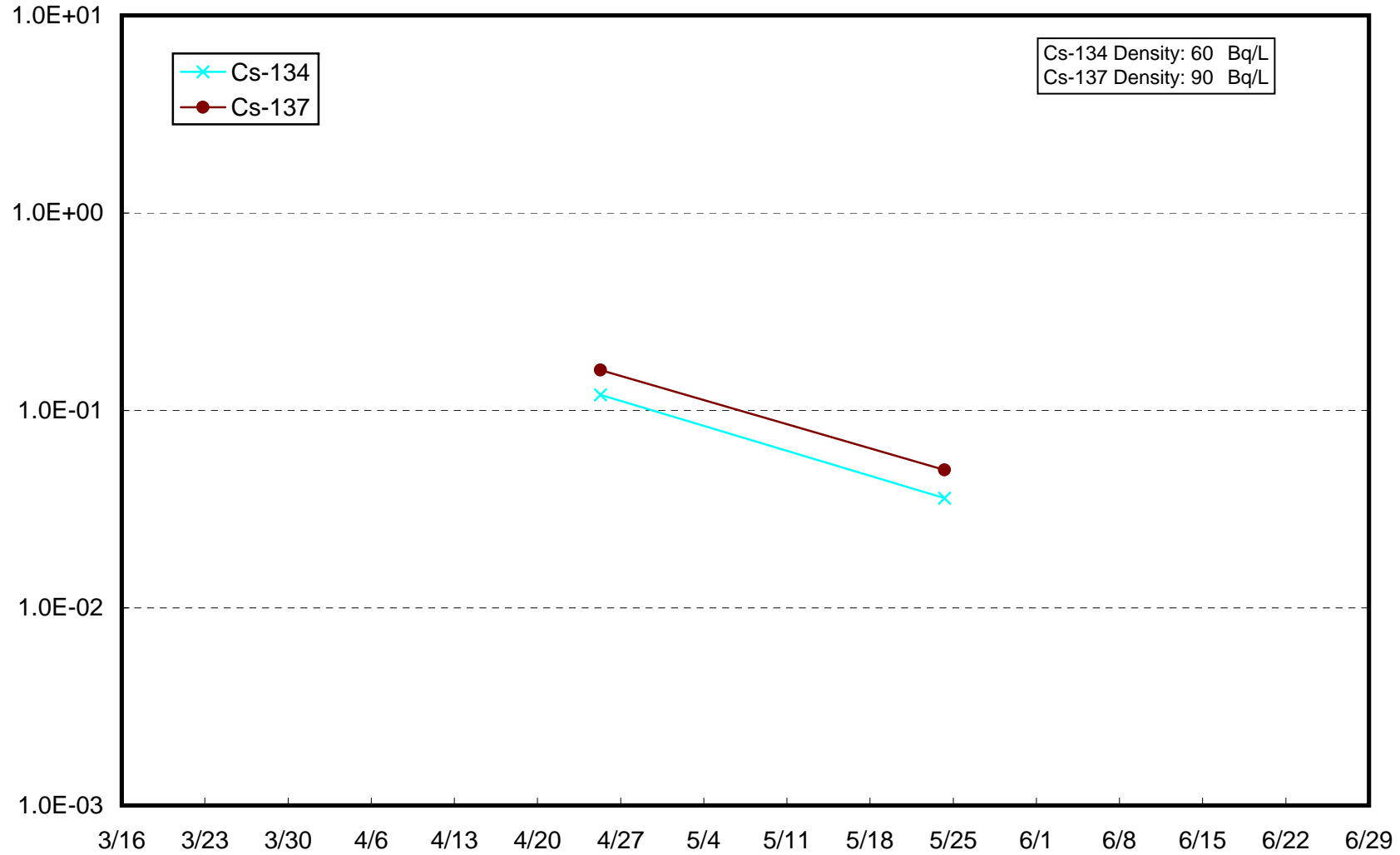




Radioactivity Density of the Seawater at 3km Offshore of Iwasawa Shore (T-11) Lower Layer (Bq/L)



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



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

