

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

(Data summarized on September 19)

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		Time of Sampling		
	Sep 18, 2014 6:38 AM		Sep 18, 2014 5:25 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(0.67)	-	ND(0.66)	-	40
Cs-134 (Approx. 2 years)	ND(0.76)	-	ND(0.76)	-	60
Cs-137 (Approx. 30 years)	ND(0.83)	-	ND(0.73)	-	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 2 nuclides or more, 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 September 19)

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.)
	Aug 11, 2014 6:40 AM		Aug 18, 2014 6:35 AM		Aug 11, 2014 5:35 AM		Aug 18, 2014 5:20 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)	0.16	0.00	0.14	0.00	0.38	0.01	0.15	0.00	60
Cs-137 (Approx. 30 years)	0.47	0.01	0.44	0.00	1.1	0.01	0.38	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, and the detection limit of each nuclide is provided in parentheses.

* 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
September 19)

Place of Sampling	2F Around the North Discharge Channel (Around Unit 3-4 Discharge Channel) (Approx. 10km from 1F)				Around the Iwasawa Shore (Approx. 7km South of Unit 1 & 2 Discharge Channel) (Approx. 16km 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.)
	Aug 11, 2014 10:10 AM		Aug 18, 2014 10:00 AM		Aug 11, 2014 4:10 PM		Aug 18, 2014 4:00 PM		
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)	0.031	0.00	0.025	0.00	0.023	0.00	0.020	0.00	60
Cs-137 (Approx. 30 years)	0.10	0.00	0.081	0.00	0.051	0.00	0.062	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.

Analzyed by Tokvo Power Technoloav Ltd.

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

(Data summarized on September 19)

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.)
Time of Sampling	Aug 11, 2014 8:10 AM		Aug 18, 2014 8:45 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)	0.020	0.00	0.0095	0.00	60
Cs-137 (Approx. 30 years)	0.071	0.00	0.033	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.
- * Analysis performed by Tokyo Power Technology Ltd.

Nuclides Analysis Result of Radioactive Materials in the Seawater <Offshore 1/5>

(Data summarized on September 19)

Place of Sampling (Place No.)	*1 3km Offshore of Odaka Ward (T-14)				*1 3km Offshore of Odaka Ward (T-14)				*1 3km Offshore of Odaka Ward (T-14)				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	Aug 4, 2014 9:21 AM		Aug 4, 2014 9:21 AM		Aug 12, 2014 9:13 AM		Aug 12, 2014 9:13 AM		Aug 18, 2014 9:09 AM		Aug 18, 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)	0.0016	0.00	0.0022	0.00	0.0099	0.00	0.0023	0.00	0.0022	0.00	0.0035	0.00	60
Cs-137 (Approx. 30 years)	0.0065	0.00	0.0093	0.00	0.029	0.00	0.0088	0.00	0.0064	0.00	0.011	0.00	90

Place of Sampling (Place No.)	*2 3km Offshore of Ukedo River (T-D1)				*2 3km Offshore of Ukedo River (T-D1)				*2 3km Offshore of Fukushima Daiichi NPS (T-D5)				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													
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)	0.0071	0.00	0.0042	0.00	0.0022	0.00	ND	-	0.0049	0.00	0.0028	0.00	60
Cs-137 (Approx. 30 years)	0.022	0.00	0.012	0.00	0.0069	0.00	0.0082	0.00	0.0099	0.00	0.011	0.00	90

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

* In the case of 2 nuclides or more, 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.0.0017Bq/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.

* 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 2/5>

(Data summarized on September 19)

Place of Sampling (Place No.)	*2 3km Offshore of Fukushima Daiichi NPS (T-D5)				*2 3km Offshore of Fukushima Daini NPS (T-D9)				*2 3km Offshore of Fukushima Daini NPS (T-D9)				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	Aug 18, 2014 10:10 AM		Aug 18, 2014 10:10 AM		Aug 12, 2014 7:51 AM		Aug 12, 2014 7:51 AM		Aug 18, 2014 9:39 AM		Aug 18, 2014 9:39 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)	0.0025	0.00	0.0017	0.00	0.0045	0.00	0.0034	0.00	ND	-	0.0035	0.00	60
Cs-137 (Approx. 30 years)	0.0066	0.00	0.0043	0.00	0.012	0.00	0.0094	0.00	0.0039	0.00	0.012	0.00	90

Place of Sampling (Place No.)	*1 15km Offshore of Fukushima Daiichi NPS (T-5)				*1 15km Offshore of Fukushima Daiichi NPS (T-5)				*1 15km Offshore of Fukushima Daiichi NPS (T-5)				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	Aug 5, 2014 8:37 AM		Aug 5, 2014 8:37 AM		Aug 12, 2014 9:13 AM		Aug 12, 2014 9:13 AM		Aug 18, 2014 8:13 AM		Aug 18, 2014 8:13 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	-	0.0014	0.00	0.0025	0.00	ND	-	ND	-	ND	-	60
Cs-137 (Approx. 30 years)	0.0037	0.00	0.0041	0.00	0.011	0.00	0.0038	0.00	0.0034	0.00	0.0046	0.00	90

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

* In the case of 2 nuclides or more, 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.0.0017Bq/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.

* 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 3/5>

(Data summarized on September 19)

Place of Sampling (Place No.)	3km Offshore of Iwasawa Shore (T-11)				3km Offshore of Iwasawa Shore (T-11)				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	Aug 5, 2014 10:43 AM		Aug 5, 2014 10:43 AM		Aug 12, 2014 7:13 AM		Aug 12, 2014 7:13 AM		Aug 18, 2014 10:12 AM		Aug 18, 2014 10:12 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)	0.0078	0.00	0.0056	0.00	0.0090	0.00	0.0075	0.00	0.0076	0.00	0.0025	0.00	60
Cs-137 (Approx. 30 years)	0.022	0.00	0.018	0.00	0.030	0.00	0.023	0.00	0.028	0.00	0.0068	0.00	90

Place of Sampling (Place No.)	15km Offshore of Iwasawa Shore (T-7)				3km Offshore of Onahama Port (T-18)				5km Offshore of Numanouchi (T-M10)				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	Aug 6, 2014 9:01 AM		Aug 6, 2014 9:01 AM		Aug 6, 2014 6:09 AM		Aug 6, 2014 6:09 AM		Aug 6, 2014 7:08 AM		Aug 6, 2014 7:08 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)	0.0022	0.00	ND	-	0.0027	0.00	0.0026	0.00	ND	-	ND	-	60
Cs-137 (Approx. 30 years)	0.0071	0.00	0.0029	0.00	0.0074	0.00	0.0073	0.00	0.0023	0.00	0.0038	0.00	90

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

* In the case of 2 nuclides or more, 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.0.0013Bq/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.

* 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 4/5>

(Data summarized on September 19)

Place of Sampling (Place No.)	Around 1km Offshore of Ota River (T-S1)				Around 3km Offshore of Odaka Ward (T-S2)				Around 3km Offshore of Ukedo River (T-S3)				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	Aug 21, 2014 6:02 AM		Aug 21, 2014 6:02 AM		Aug 21, 2014 5:41 AM		Aug 21, 2014 5:41 AM		Aug 21, 2014 6:22 AM		Aug 21, 2014 6:22 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)	0.0039	0.00	0.0018	0.00	0.0020	0.00	ND	-	0.014	0.00	0.0028	0.00	60
Cs-137 (Approx. 30 years)	0.014	0.00	0.0065	0.00	0.0066	0.00	0.0067	0.00	0.038	0.00	0.011	0.00	90

Place of Sampling (Place No.)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)				Around 4km Offshore of Kumagawa (T-S8)				Around 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	Aug 7, 2014 5:56 AM		Aug 7, 2014 5:56 AM		Aug 23, 2014 6:33 AM		Aug 23, 2014 6:33 AM		Aug 20, 2014 6:54 AM		Aug 20, 2014 6:54 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)	0.0073	0.00	0.0016	0.00	0.0025	0.00	0.0018	0.00	ND	-	ND	-	60
Cs-137 (Approx. 30 years)	0.021	0.00	0.0069	0.00	0.0080	0.00	0.011	0.00	0.0031	0.00	0.0048	0.00	90

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

* In the case of 2 nuclides or more, 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.0.0013Bq/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.

* 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 5/5>

(Data summarized on September 19)

Place of Sampling (Place No.)	Around 18km Offshore of Ukedo River (T-B2)												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	Aug 20, 2014 6:22 AM		Aug 20, 2014 6:22 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	-	ND	-									60
Cs-137 (Approx. 30 years)	0.0024	0.00	0.0043	0.00									90

Place of Sampling (Place No.)													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													
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)													60
Cs-137 (Approx. 30 years)													90

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

* In the case of 2 nuclides or more, 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.0.0013Bq/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.

* Analysis results by detail analysis (Phosphomolybdc 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<1/3>

(Data summarized on September 19)

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	Aug 4, 2014		Aug 4, 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(0.69)	—	ND(0.61)	—	/	/	40
Cs-134 (Approx. 2 years)	ND(0.76)	—	ND(0.62)	—	/	/	60
Cs-137 (Approx. 30 years)	1.3	0.01	ND(0.78)	—	/	/	90
H-3 (approx. 12yrs)	2.1	0.00	ND(1.9)	—	/	/	60,000
Gross α	ND(1.6)	—	ND(1.6)	—	/	/	—
Gross β	12	—	16	—	/	/	—
Sr-90 (Approx. 29 years)	0.23	0.01	ND(0.0087)	—	/	/	30

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

* In the case of 2 nuclides or more, 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 August 5. Nuclide analysis results of H-3 were announced on August 8.

* 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)

Although Gross β and Sr-90 were detected supposedly as a result of this accident, they are less than the density limit in the water which is specified by the announcement.

Nuclides Analysis Result of Radioactive Materials in the Seawater <2/3>

(Data summarized on September 19)

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)	
I-131 (Approx. 8 days)	—	—	—	—	—	—	60
Cs-134 (Approx. 2 years)	ND	—	ND	—	0.0019	0.00	90
Cs-137 (Approx. 30 years)	0.0037	0.00	0.0059	0.00	0.0079	0.00	60,000
H-3 (approx. 12yrs)	ND	—	ND	—	ND	—	—
Gross α	ND	—	ND	—	ND	—	—
Gross β	ND	—	ND	—	ND	—	300
Sr-90 (Approx. 29 years)	ND	—	ND	—	ND	—	30

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

* Radioactivity density "—" means "not applicable".

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

* Nuclide analysis results of Cs-134, Cs-137 were announced on September 10 and 19, 2014.

Cs-134: Approx. 0.0015Bq/L, H-3: Approx. 0.32Bq/L, Gross α: Approx. 2.0Bq/L, Gross β: Approx. 17Bq/L, Sr-90: Approx. 0.01Bq/L

H-3: Approx. 0.27Bq/L, Gross β: Approx. 17Bq/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 of Sr-89 and Sr-90 were done by Japan Chemical Analysis Center.

(Evaluation)

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

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

(Data summarized on September 19)

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	Aug 5, 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)	0.0021	0.00					60
Cs-137 (Approx. 30 years)	0.0075	0.00					90
H-3 (approx. 12yrs)	ND	—					60,000
Gross β	ND	—					—
Gross α	ND	—					—
Sr-90 (Approx. 29 years)	ND	—					30

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

* Radioactivity density "—" means "not applicable".

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

* Nuclide analysis results of Cs-134, Cs-137 were announced on September 10, 2014.

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

H-3: Approx. 0.31Bq/L, Gross α: Approx. 1.0Bq/L, Gross β: Approx. 17Bq/L, Sr-90: Approx. 0.01Bq/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.

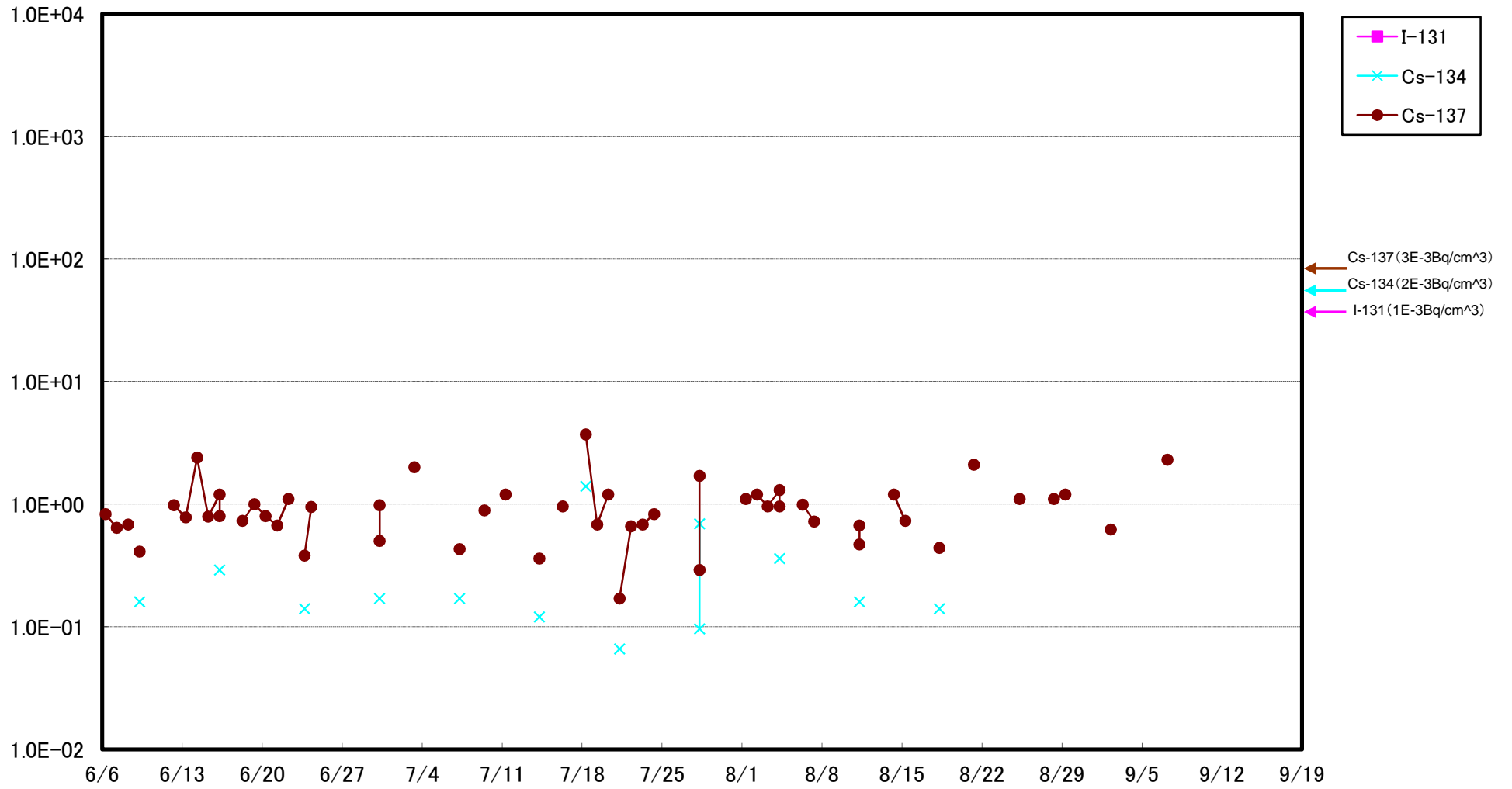
* Nuclides analysis of Sr-89 and Sr-90 were done by Japan Chemical Analysis Center.

(Evaluation)

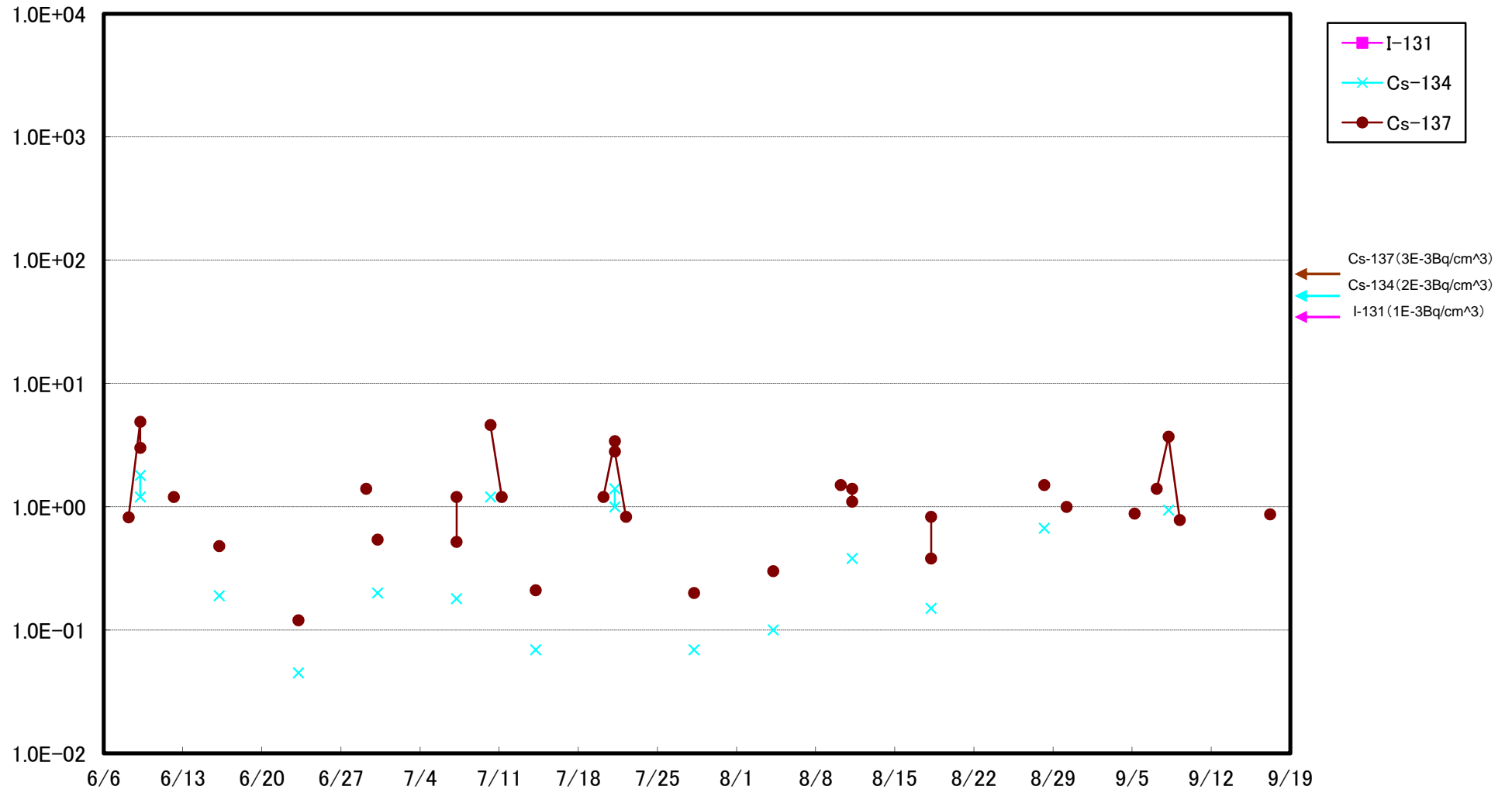
H-3, Gross α and Gross β were not detected in the sample collected this time.

Although Sr-90 was detected supposedly as a result of this accident, it is less than the density limit in the water which is specified by the announcement.

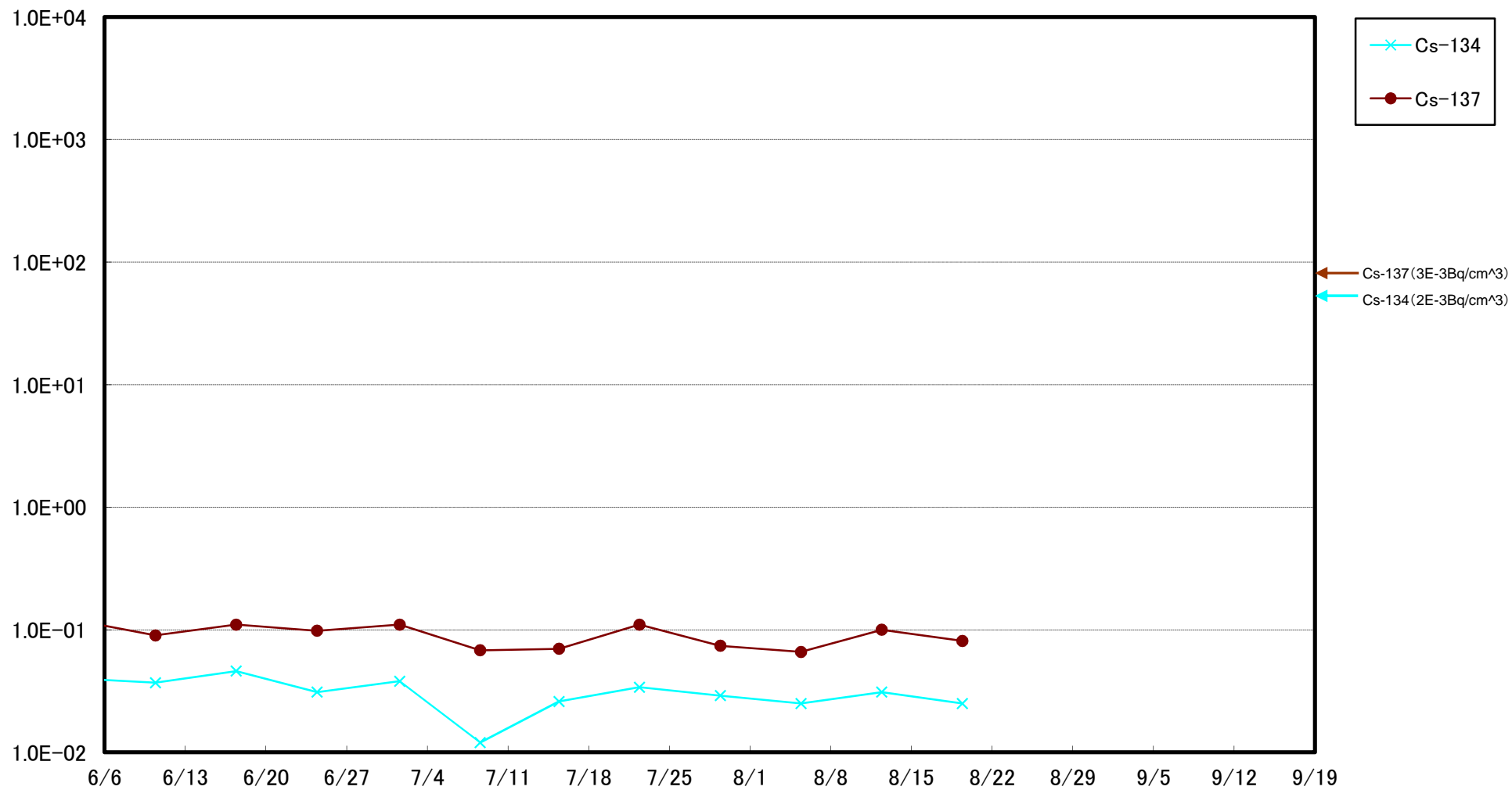
Radioactivity Density of the Seawater at 1F Units 5-6 North Discharge Channel (Bq/L)



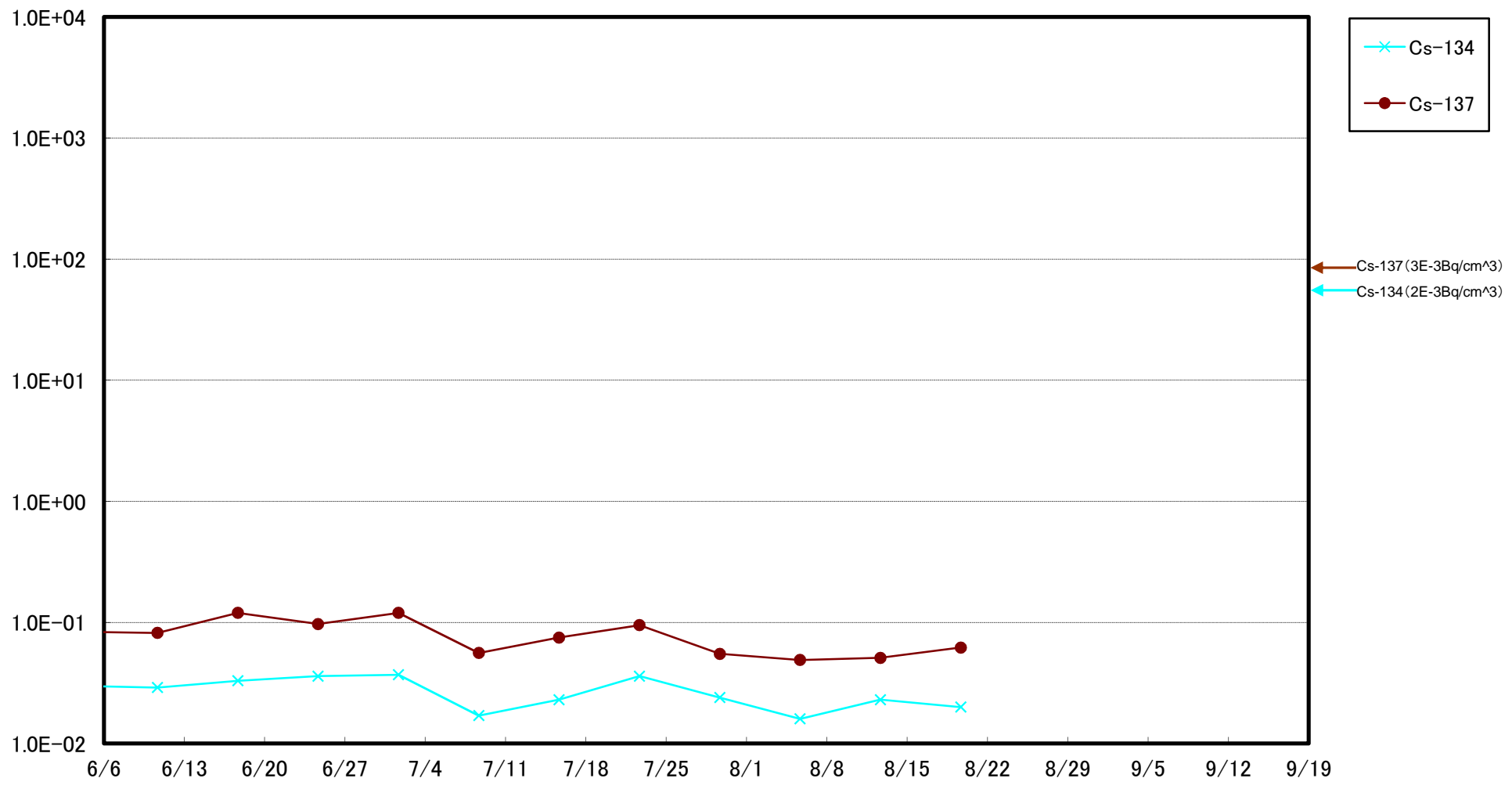
Radioactivity Density of the Seawater at 1F South Discharge Channel (Bq/L)



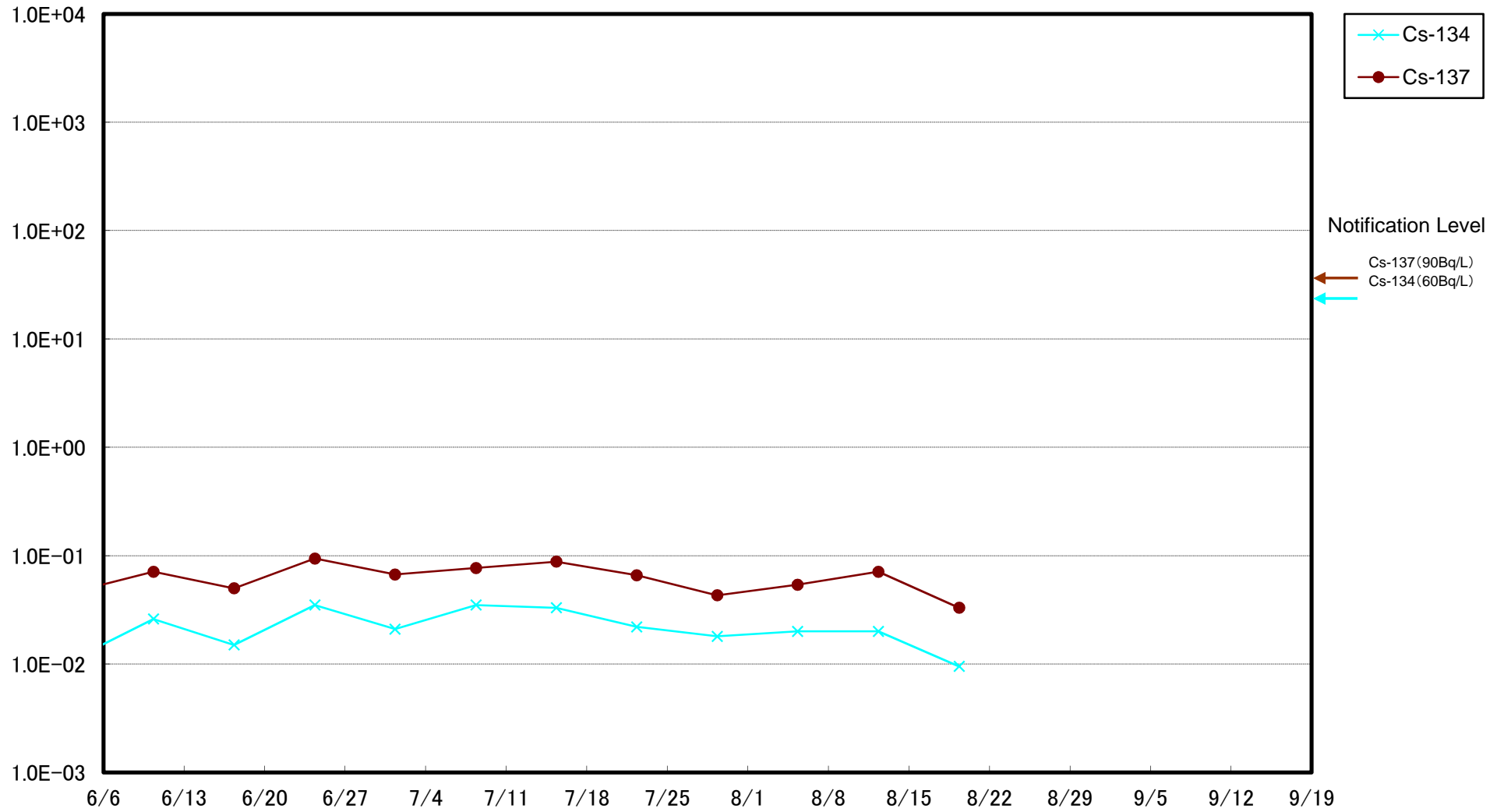
Radioactivity Density of the Seawater at 2F North Discharge Channel (Bq/L)



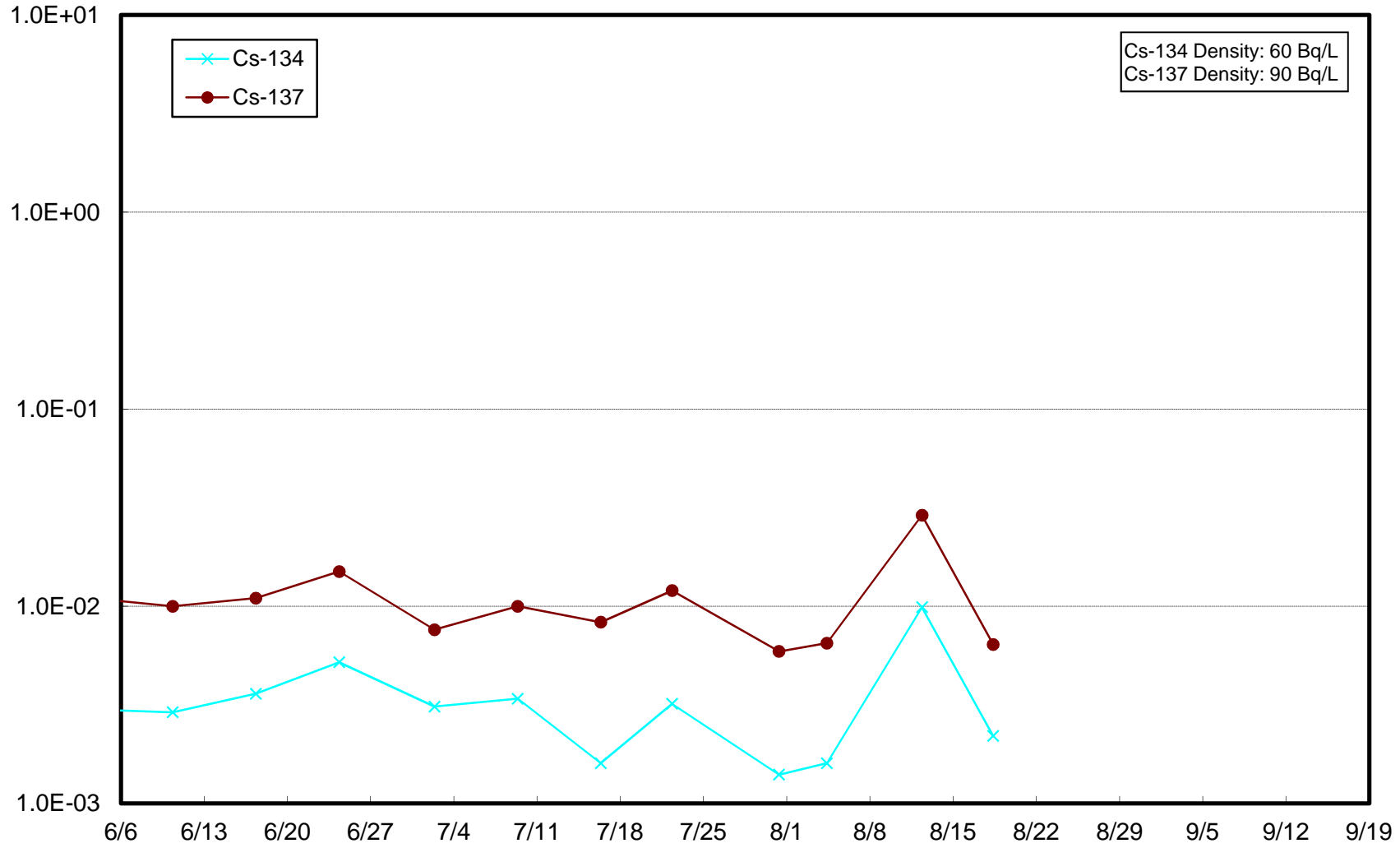
Radioactivity Density of the Seawater Around the Iwasawa Shore of 2F (Bq/L)



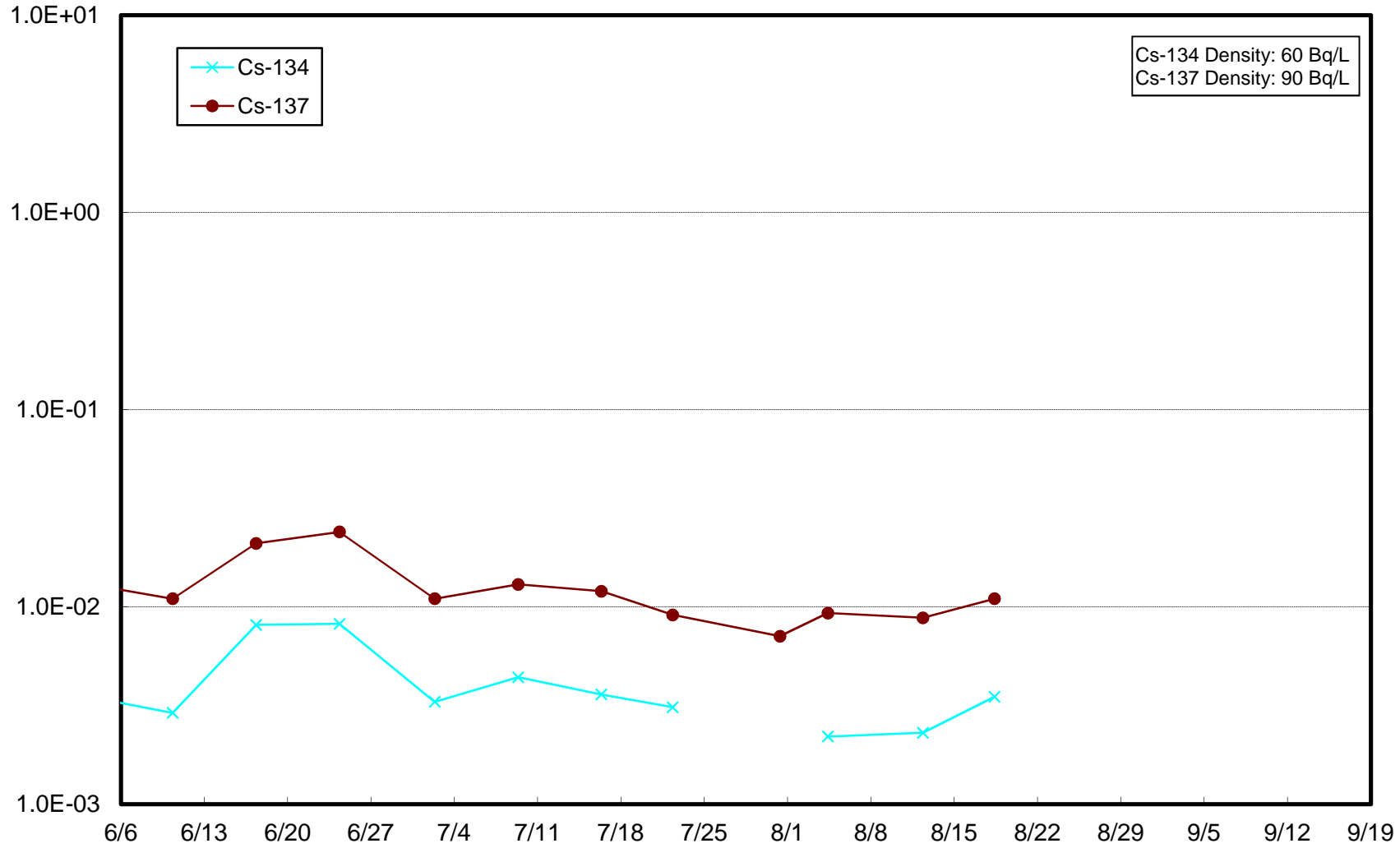
Radioactivity Density of the Seawater Around the Iwasawa Shore of 2F (Bq/L)



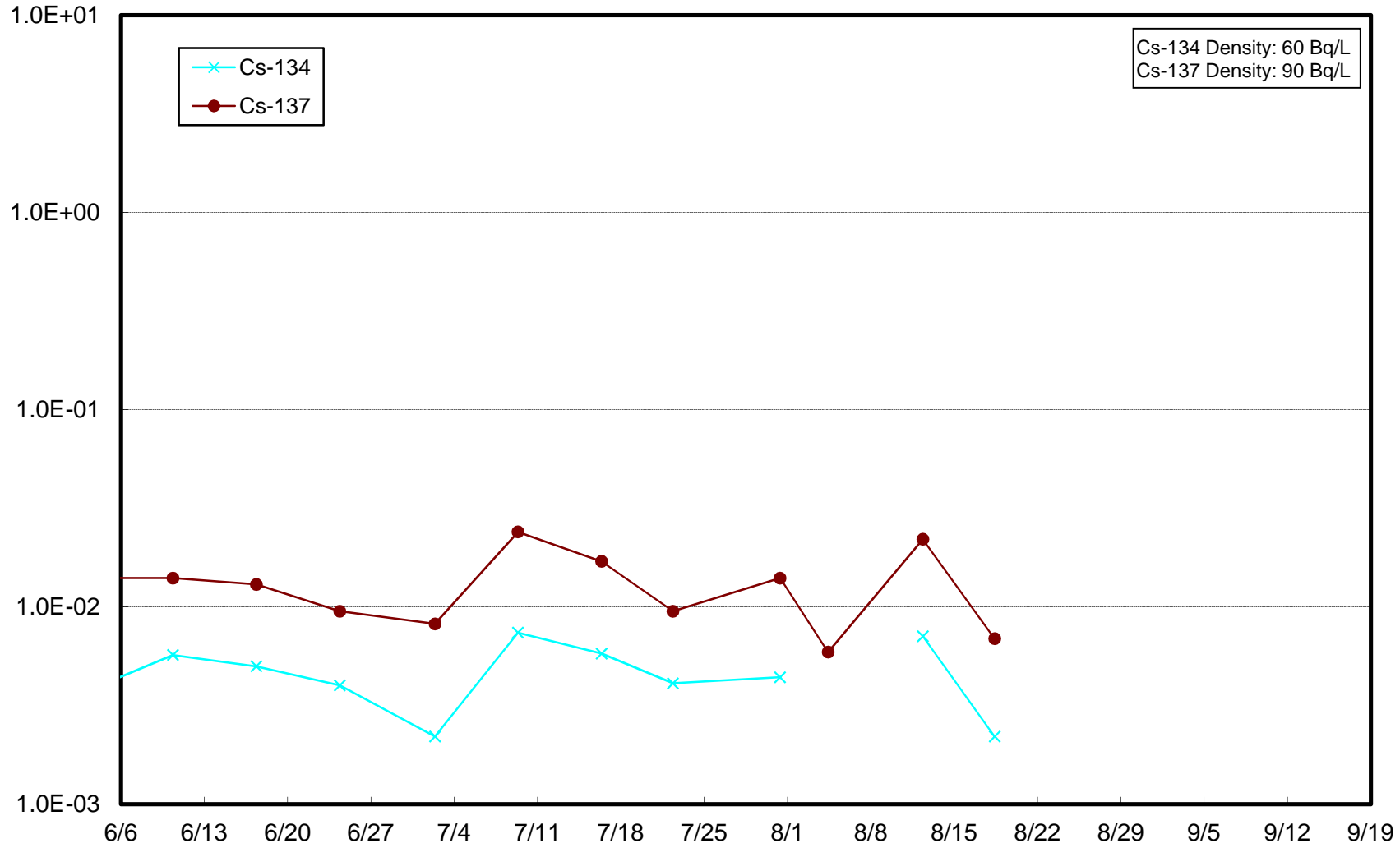
Radioactivity Density of the Seawater at 3km Offshore of Odaka Ward (T-14) Upper Layer (Bq/L)



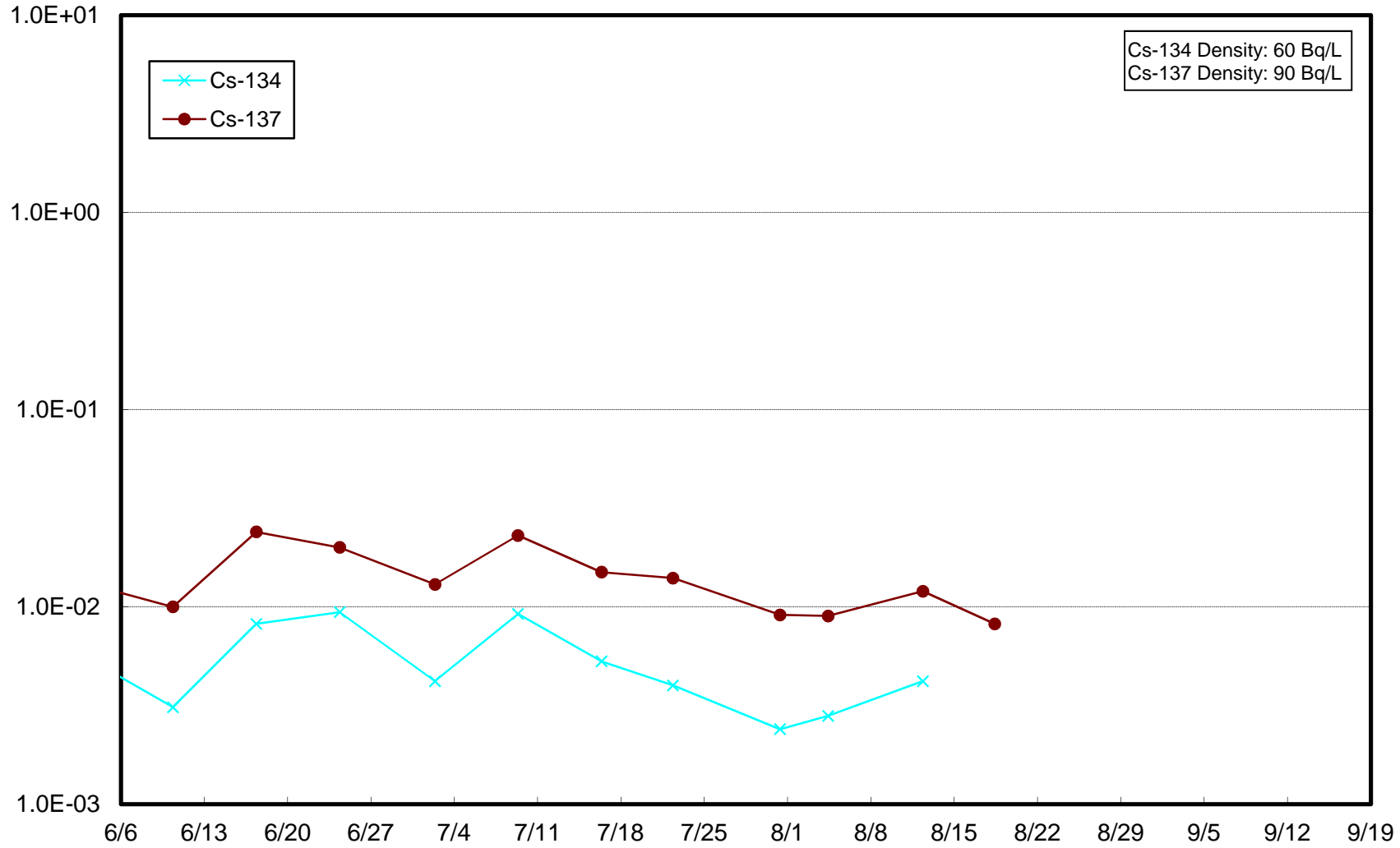
Radioactivity Density of the Seawater at 3km Offshore of Odaka Ward (T-14) Lower Layer (Bq/L)



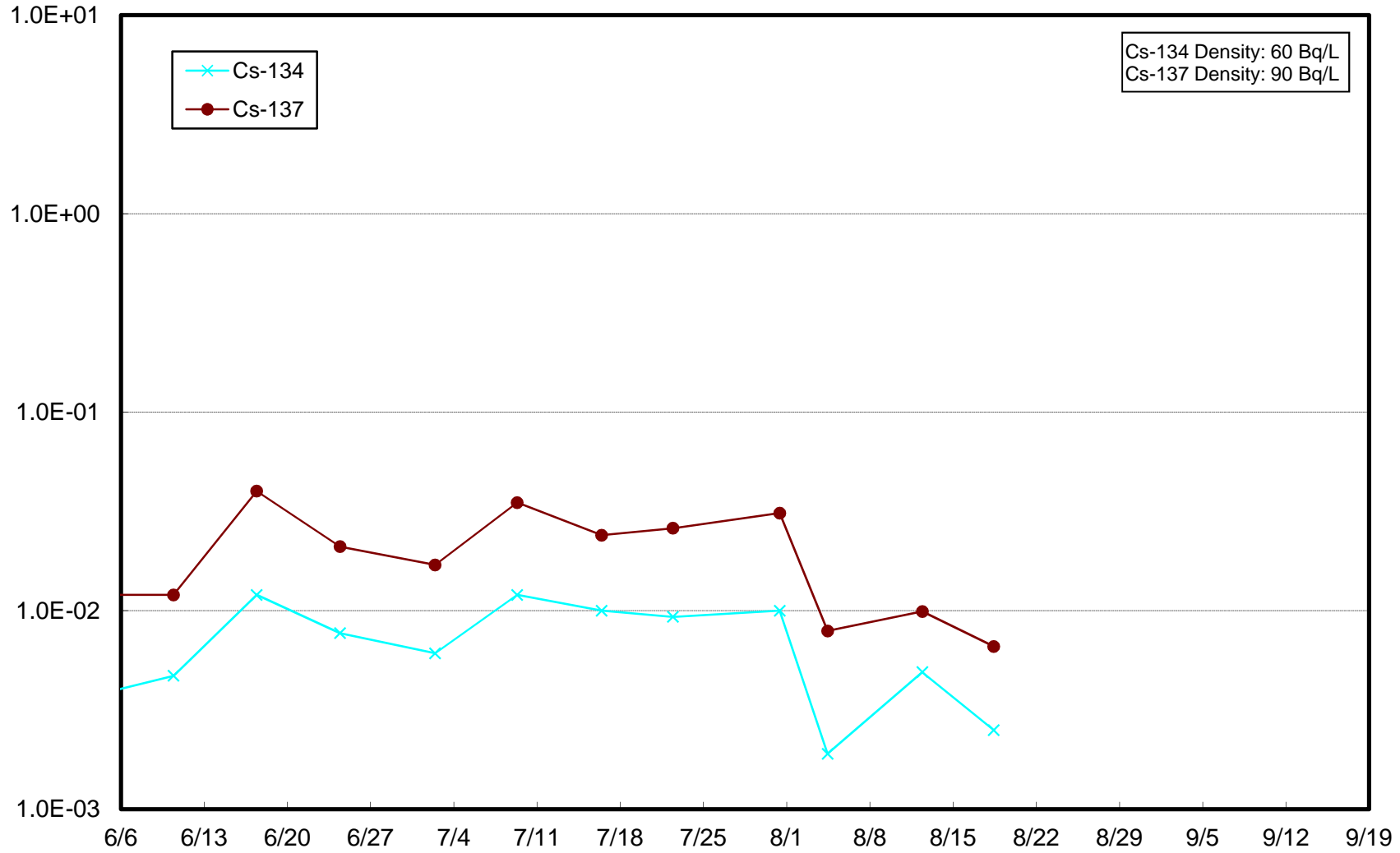
Radioactivity Density of the Seawater at 3km Offshore of Ukedo River (T-D1) Upper Layer (Bq/L)



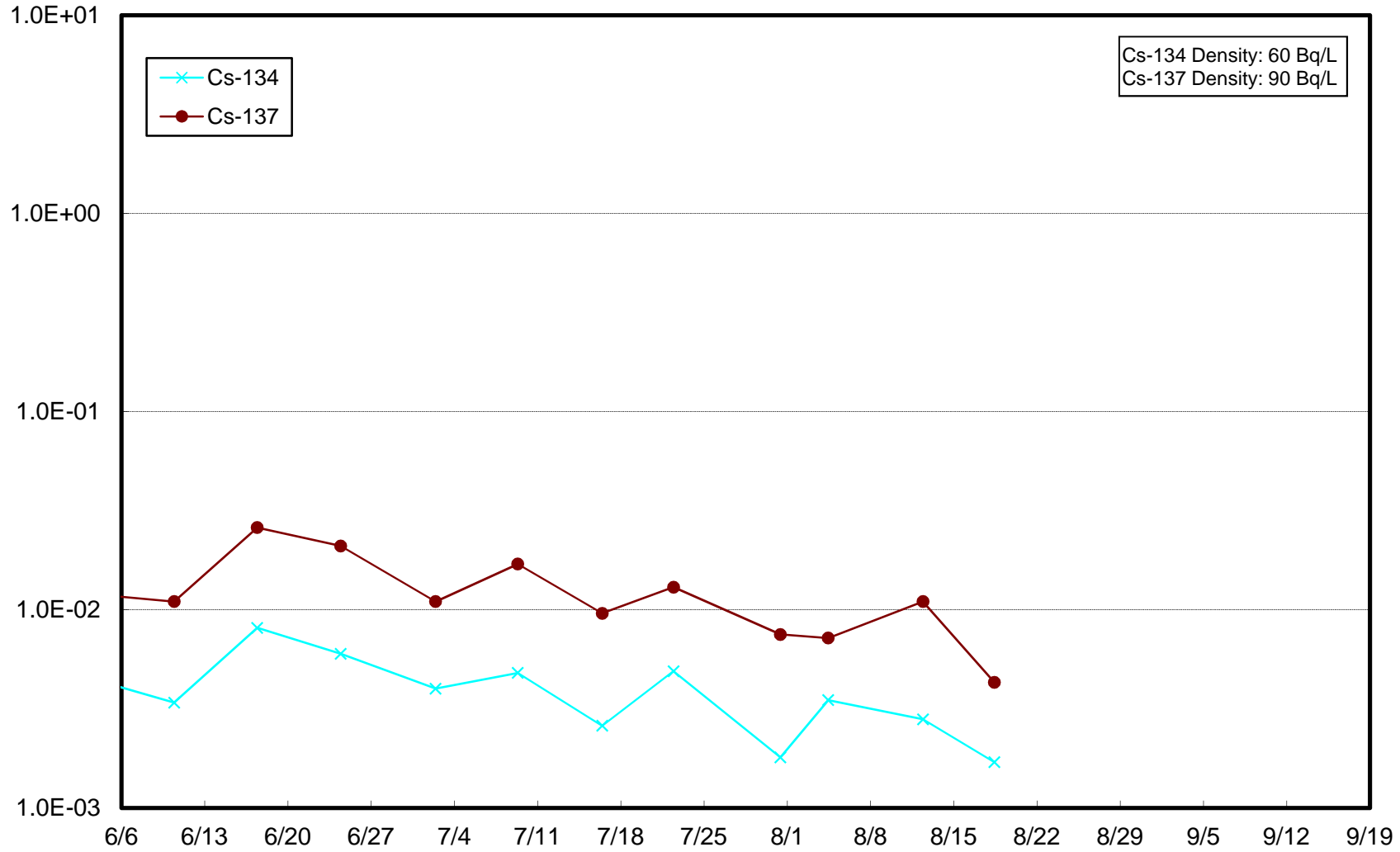
Radioactivity Density of the Seawater at 3km Offshore of Ukedo River (T-D1) Lower Layer (Bq/L)



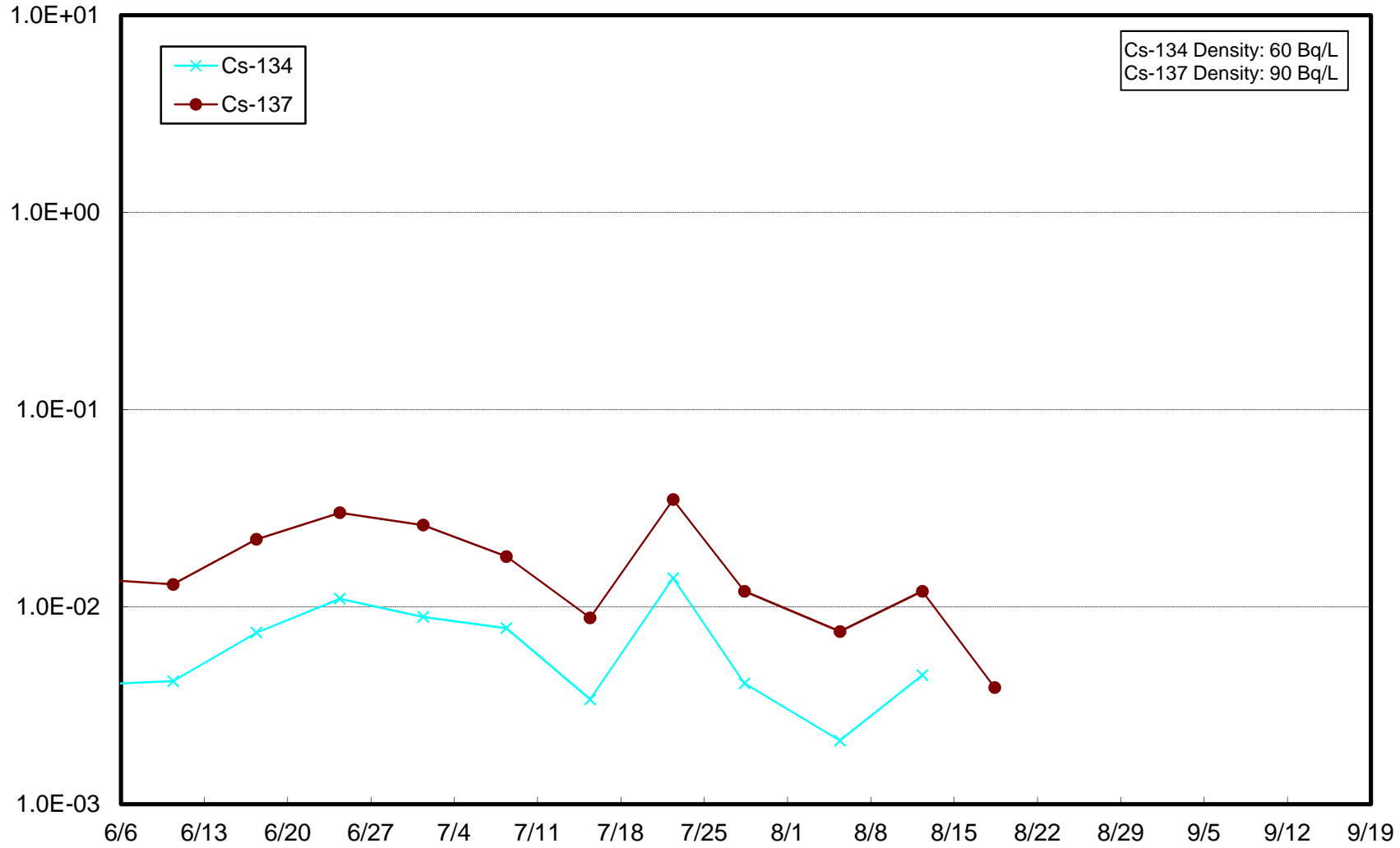
Radioactivity Density of the Seawater at 3km Offshore of Fukushima Daiichi NPS (T-D5) Upper Layer (Bq/L)



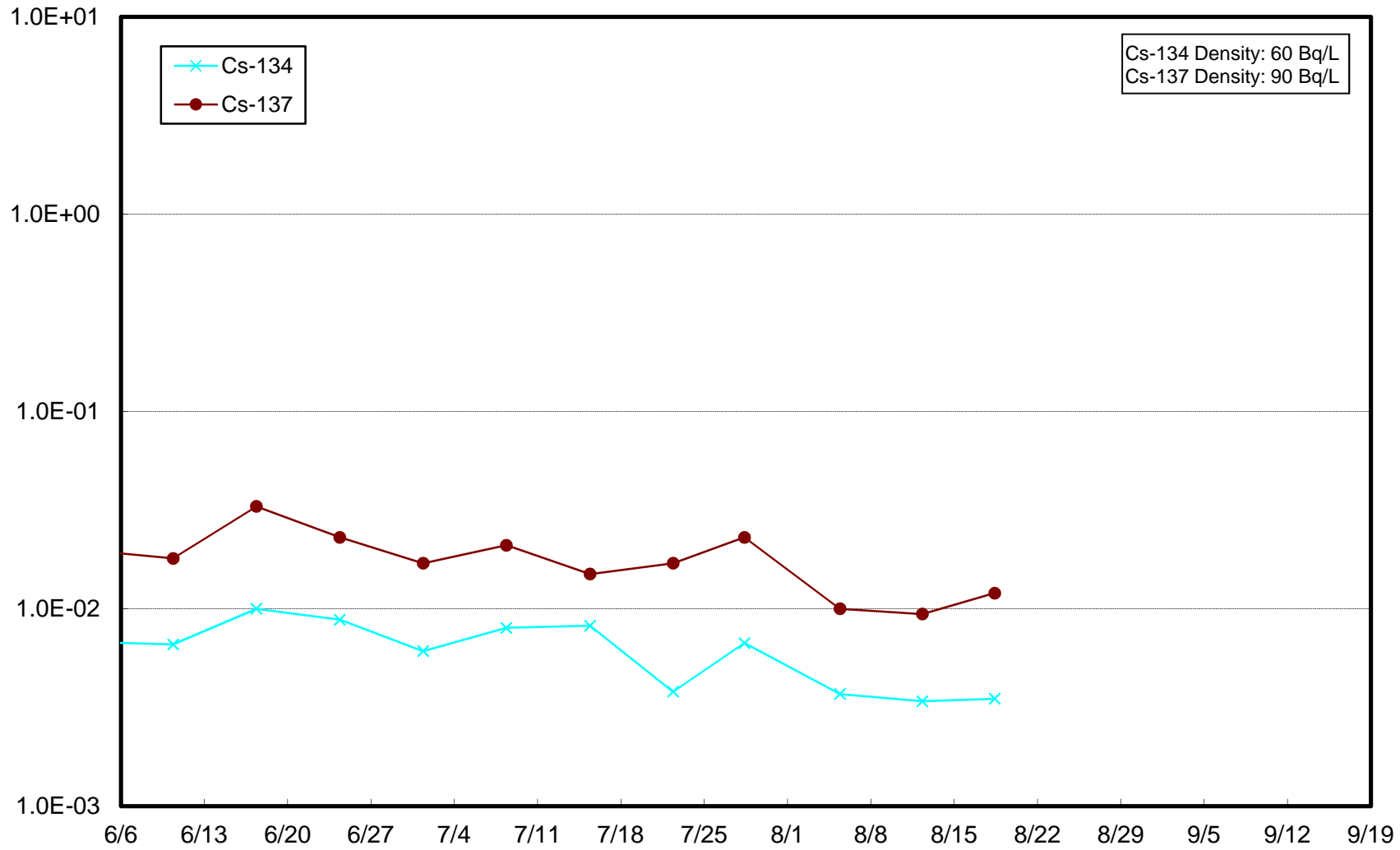
Radioactivity Density of the Seawater at 3km Offshore of Fukushima Daiichi NPS (T-D5) Lower Layer (Bq/L)



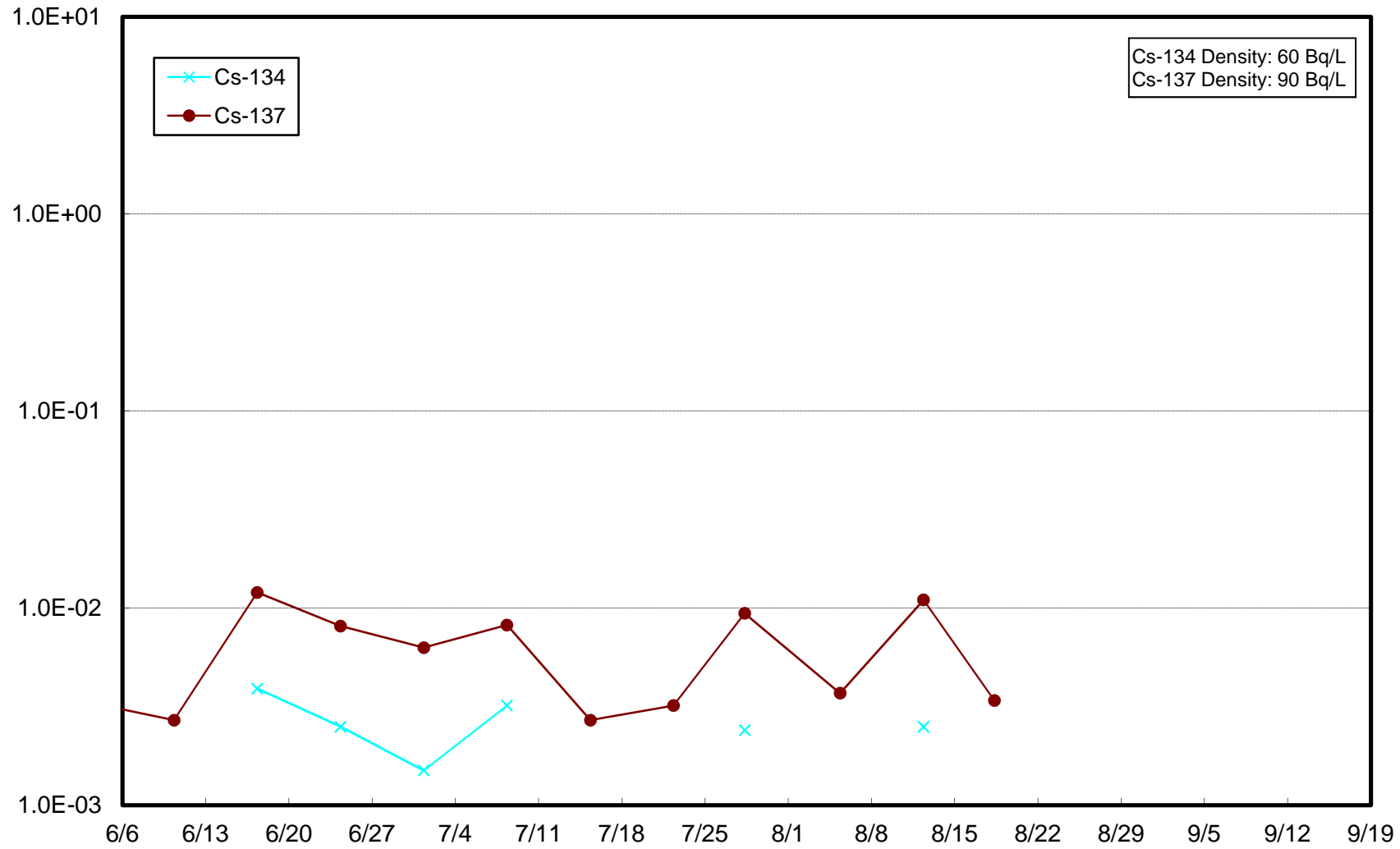
Radioactivity Density of the Seawater at 3km Offshore of Fukushima Daini NPS (T-D9) Upper Layer (Bq/L)



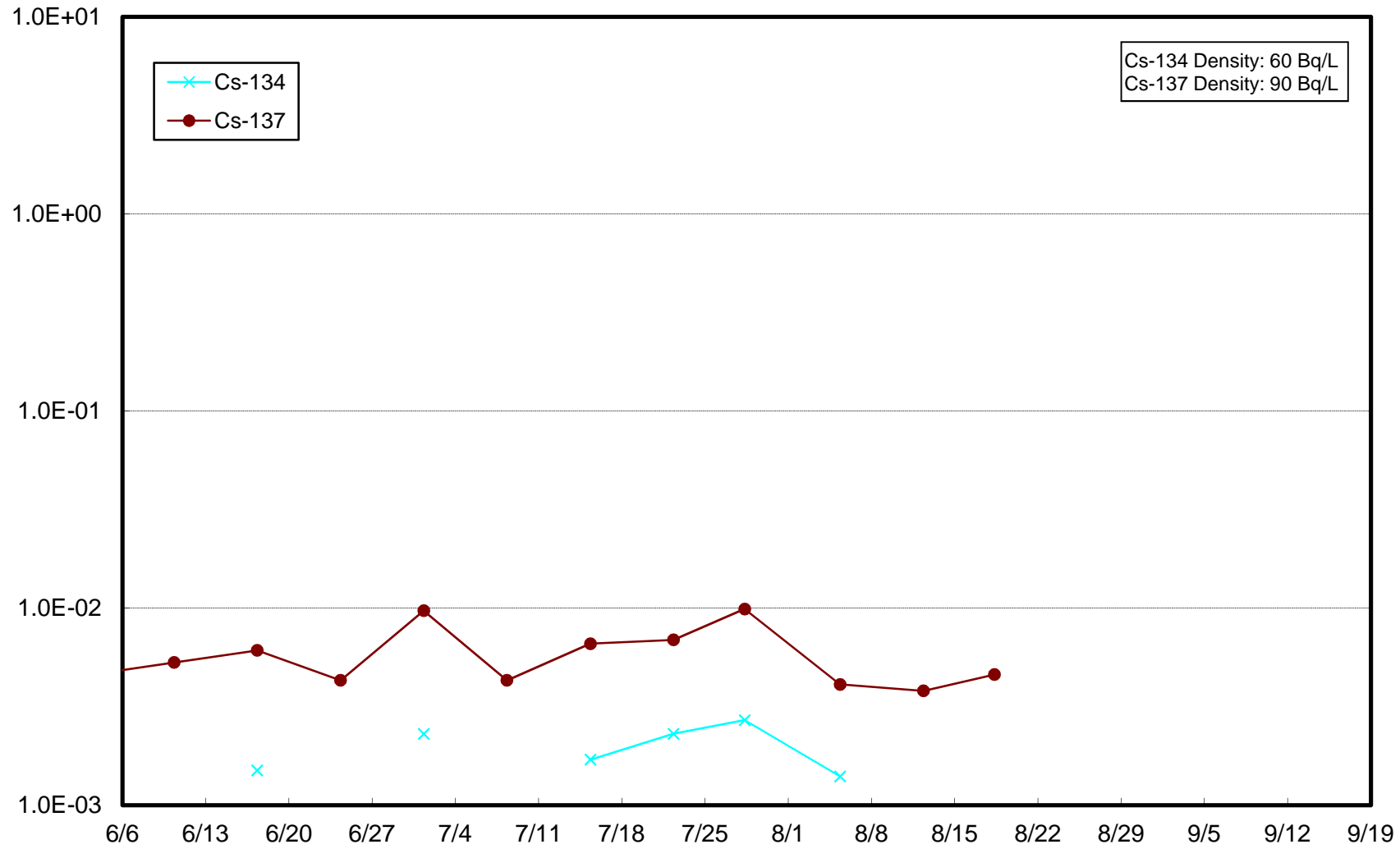
Radioactivity Density of the Seawater at 3km Offshore of Fukushima Daini NPS (T-D9) Lower Layer (Bq/L)



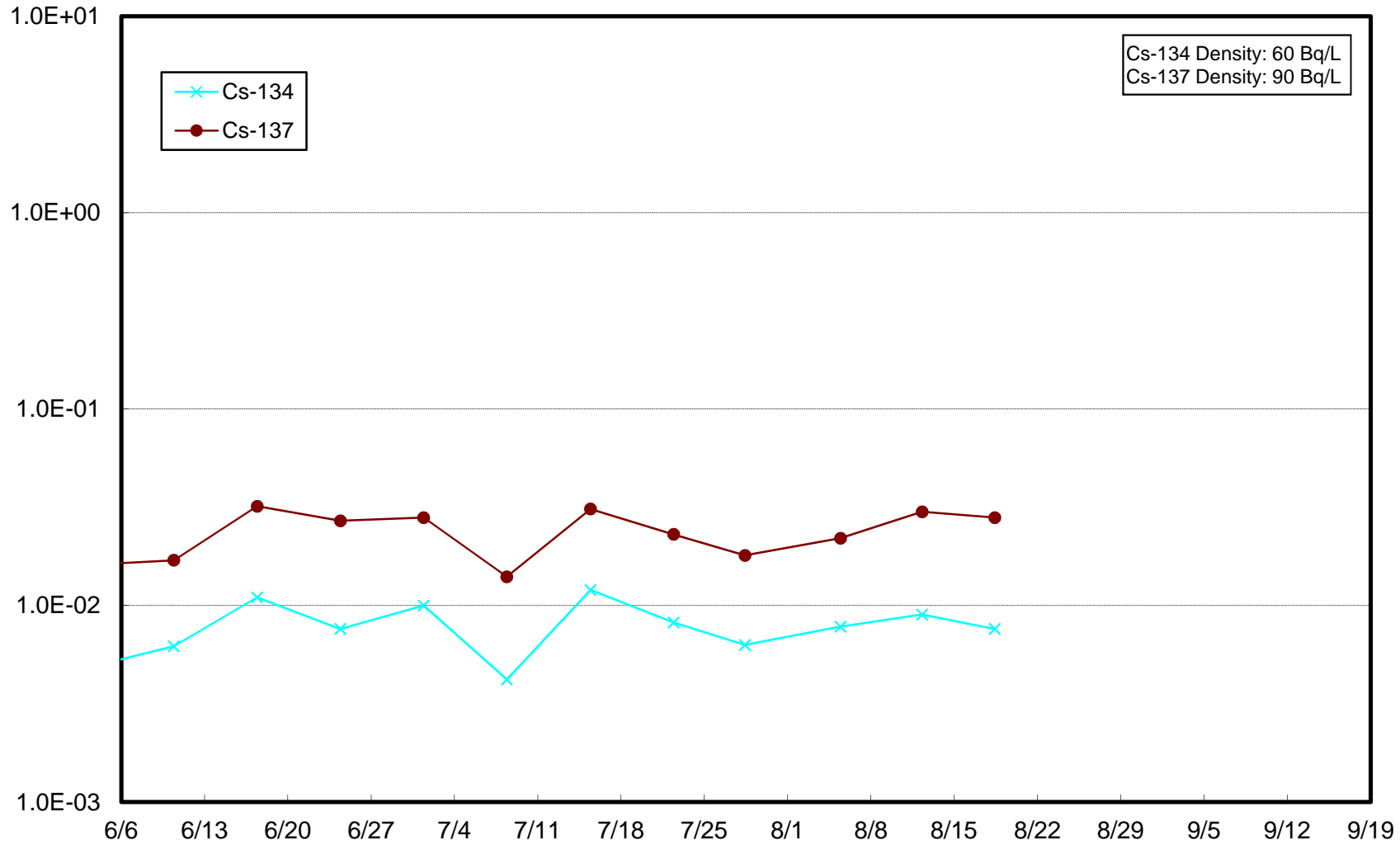
Radioactivity Density of the Seawater at 15km Offshore of Fukushima Daiichi NPS (T-5) Upper Layer (Bq/L)



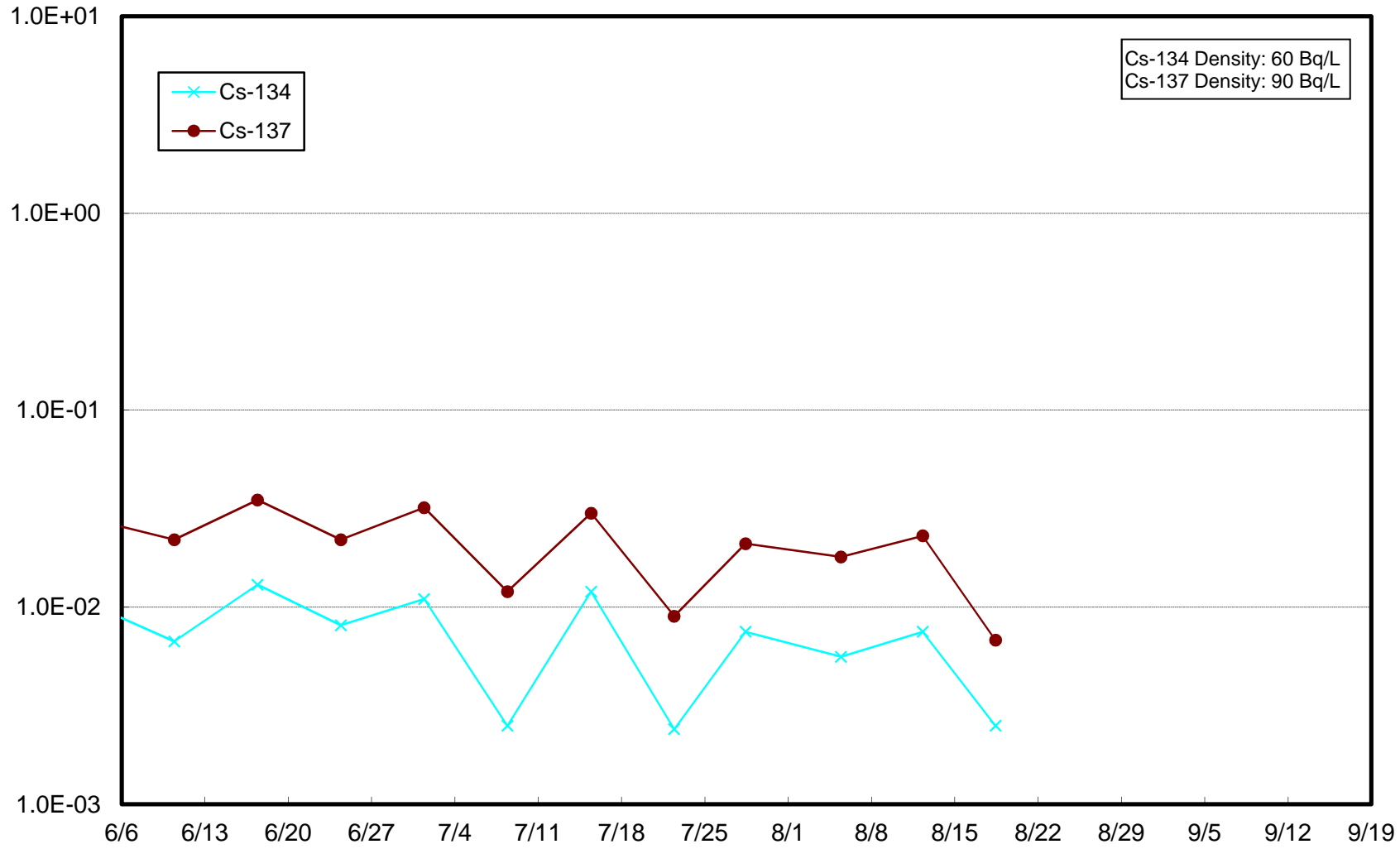
Radioactivity Density of the Seawater at 15km Offshore of Fukushima Daiichi NPS (T-5) Lower Layer (Bq/L)



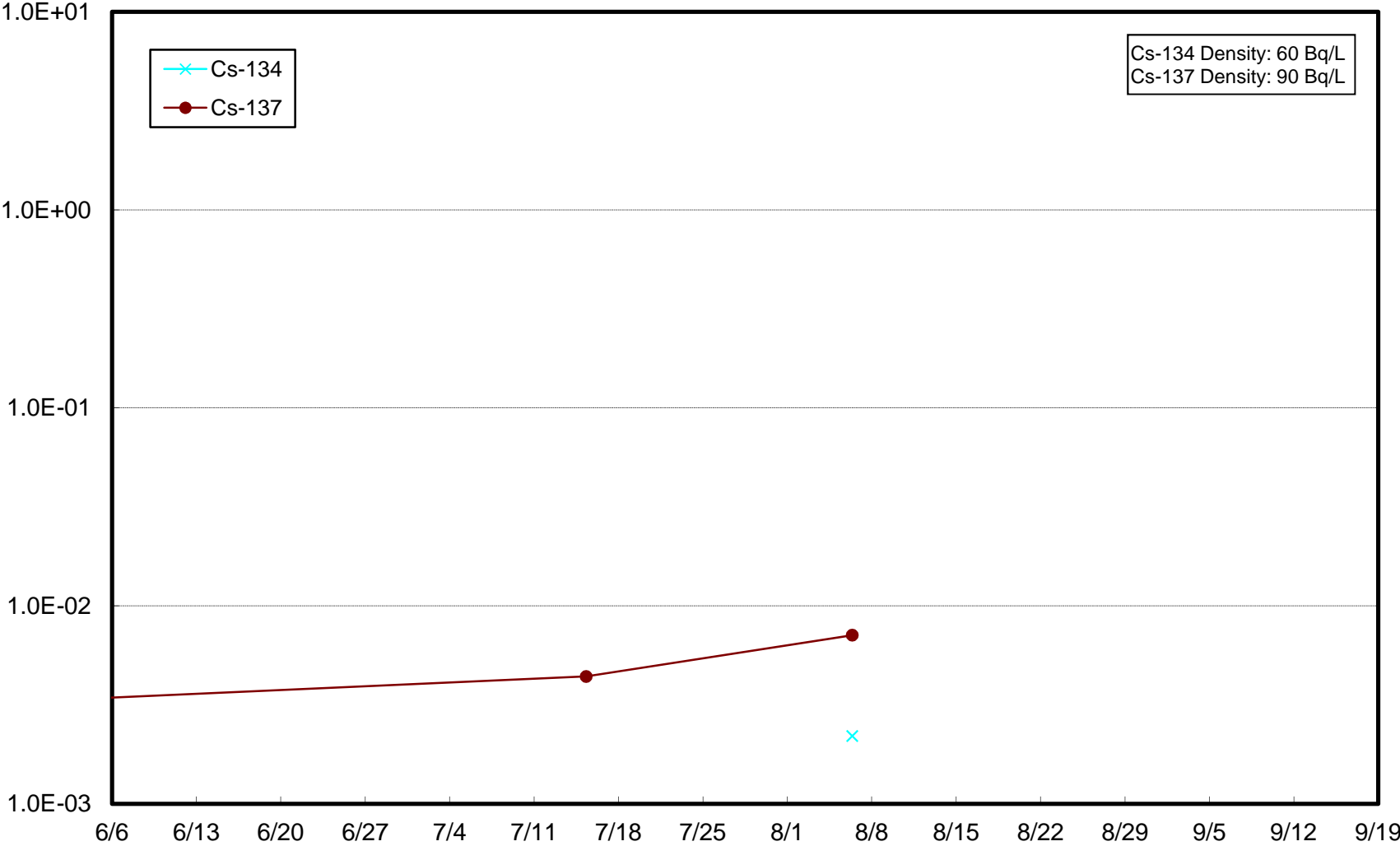
Radioactivity Density of the Seawater at 3km Offshore of Iwasawa Shore (T-11) Upper Layer (Bq/L)



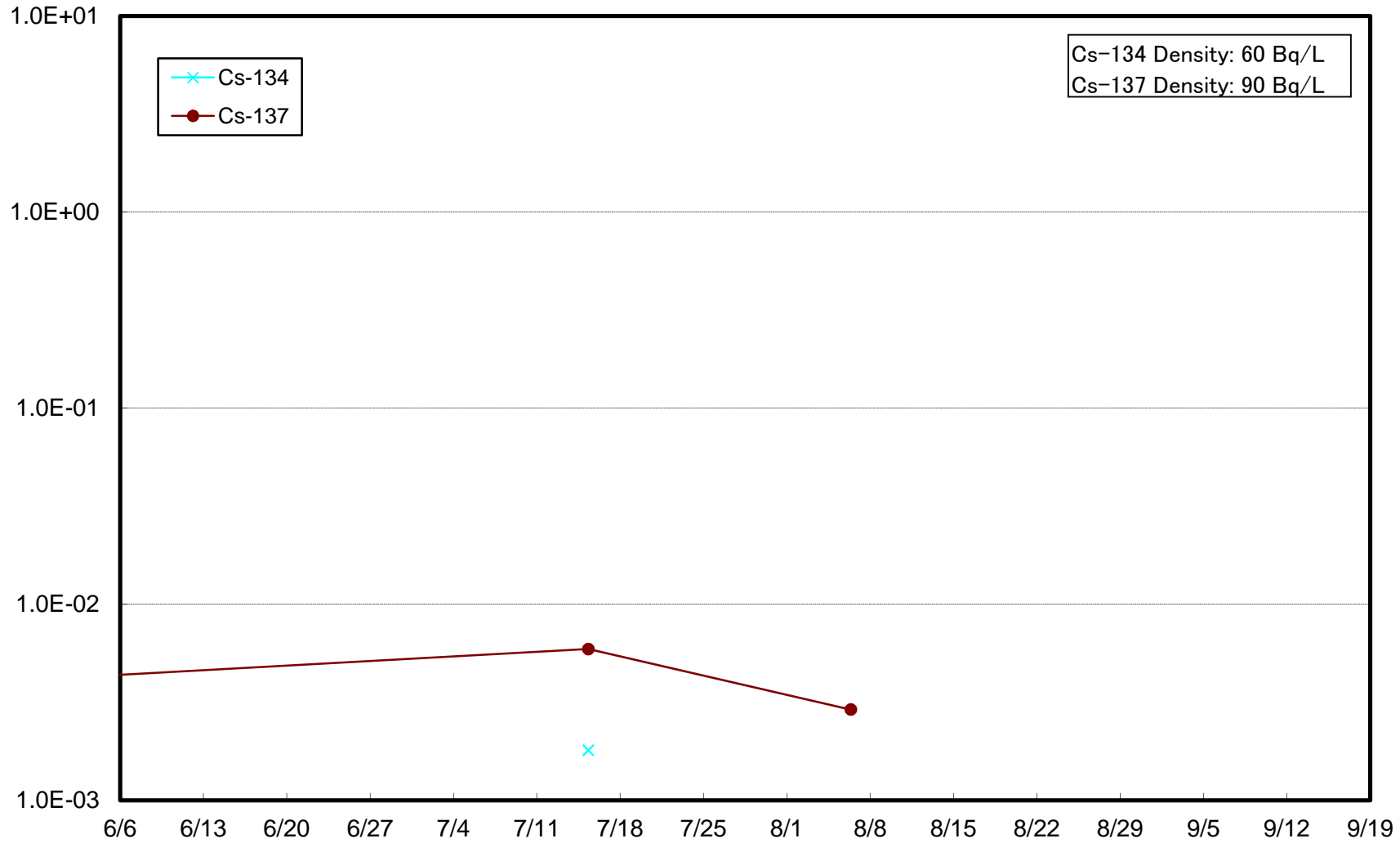
Radioactivity Density of the Seawater at 3km Offshore of Iwasawa Shore (T-11) Lower Layer (Bq/L)



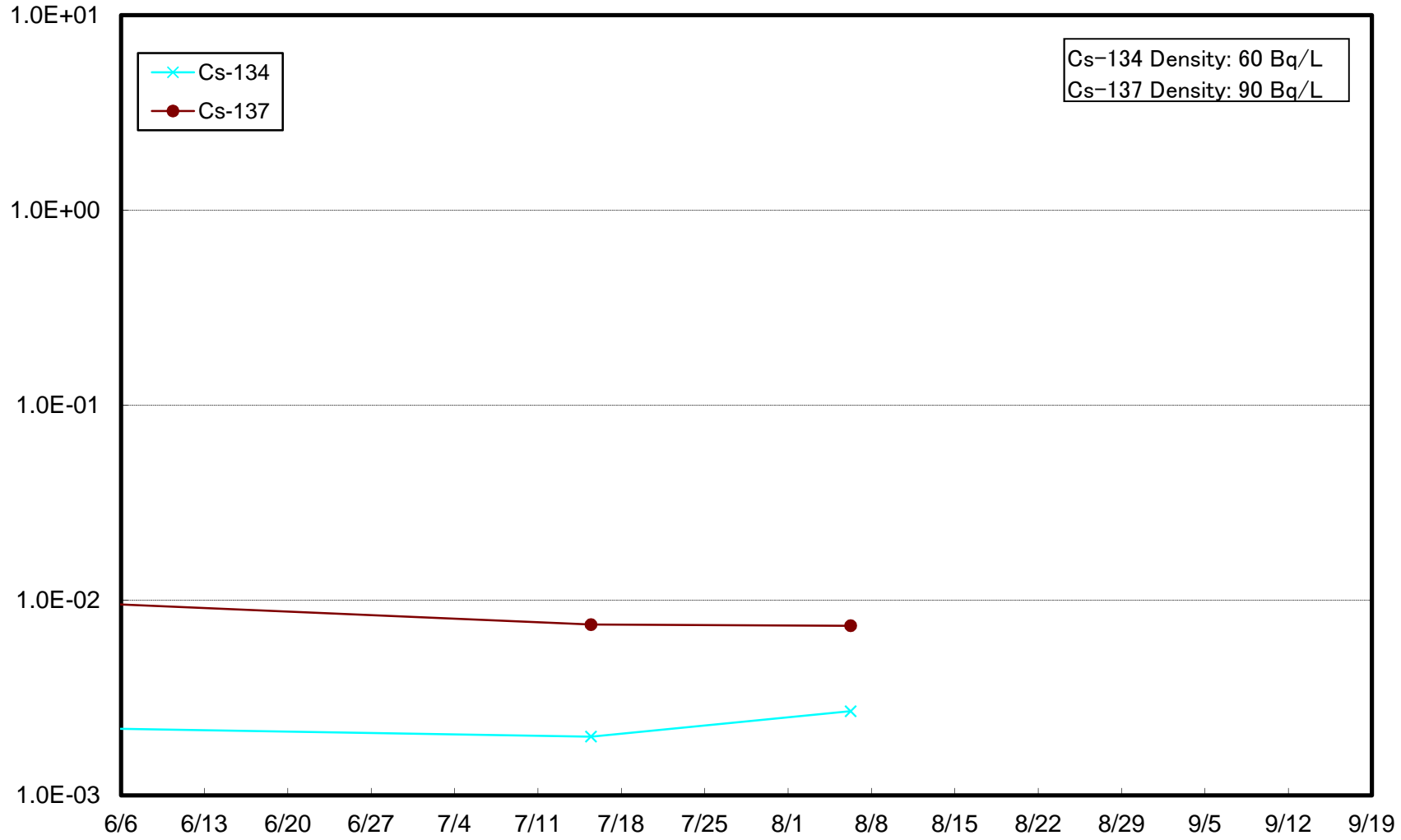
Radioactivity Density of the Seawater at 15km Offshore of Iwasawa Shore (T-7) Upper Layer (Bq/L)



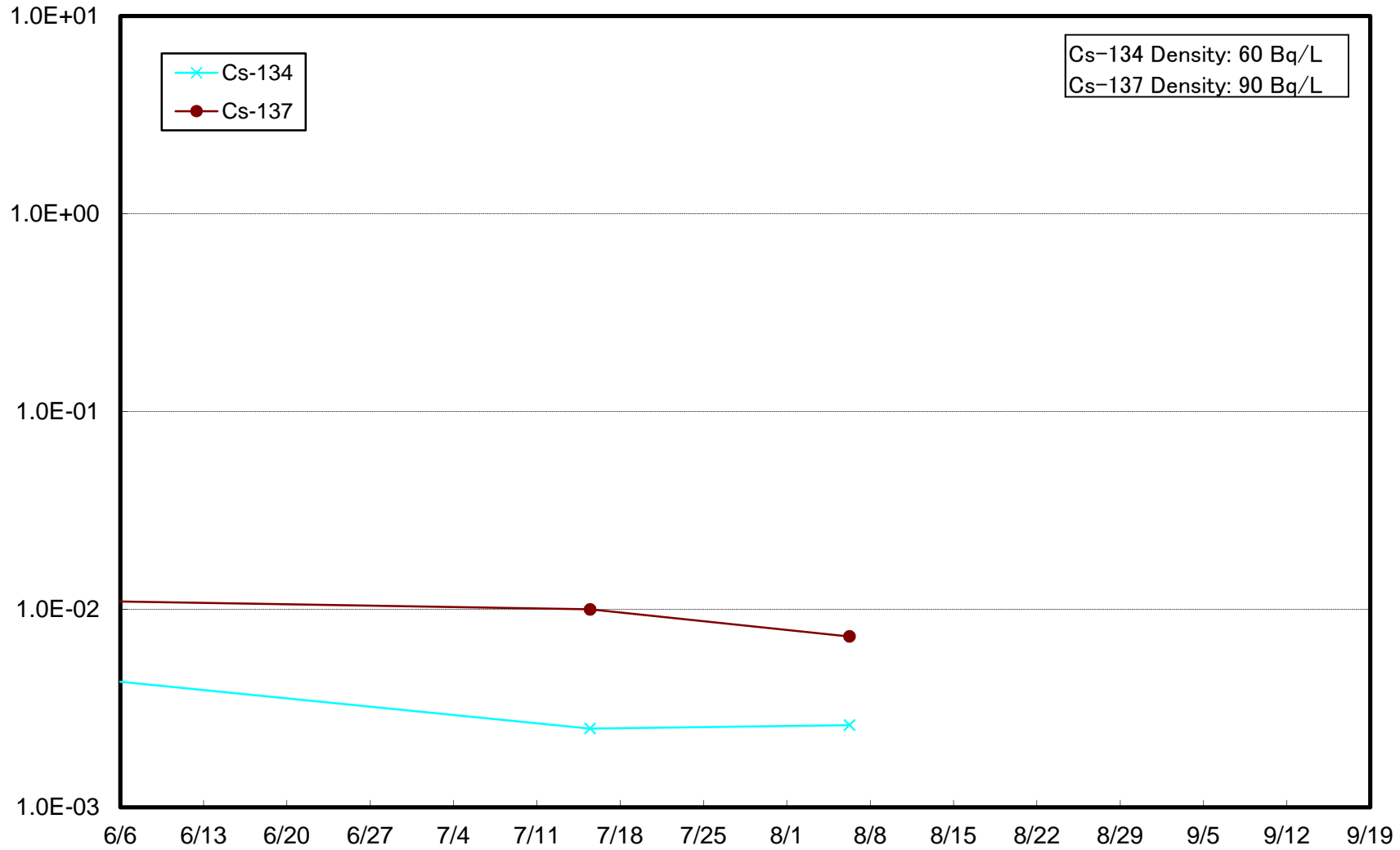
Radioactivity Density of the Seawater at 15km Offshore of Iwasawa Shore (T-7) Lower Layer (Bq/L)



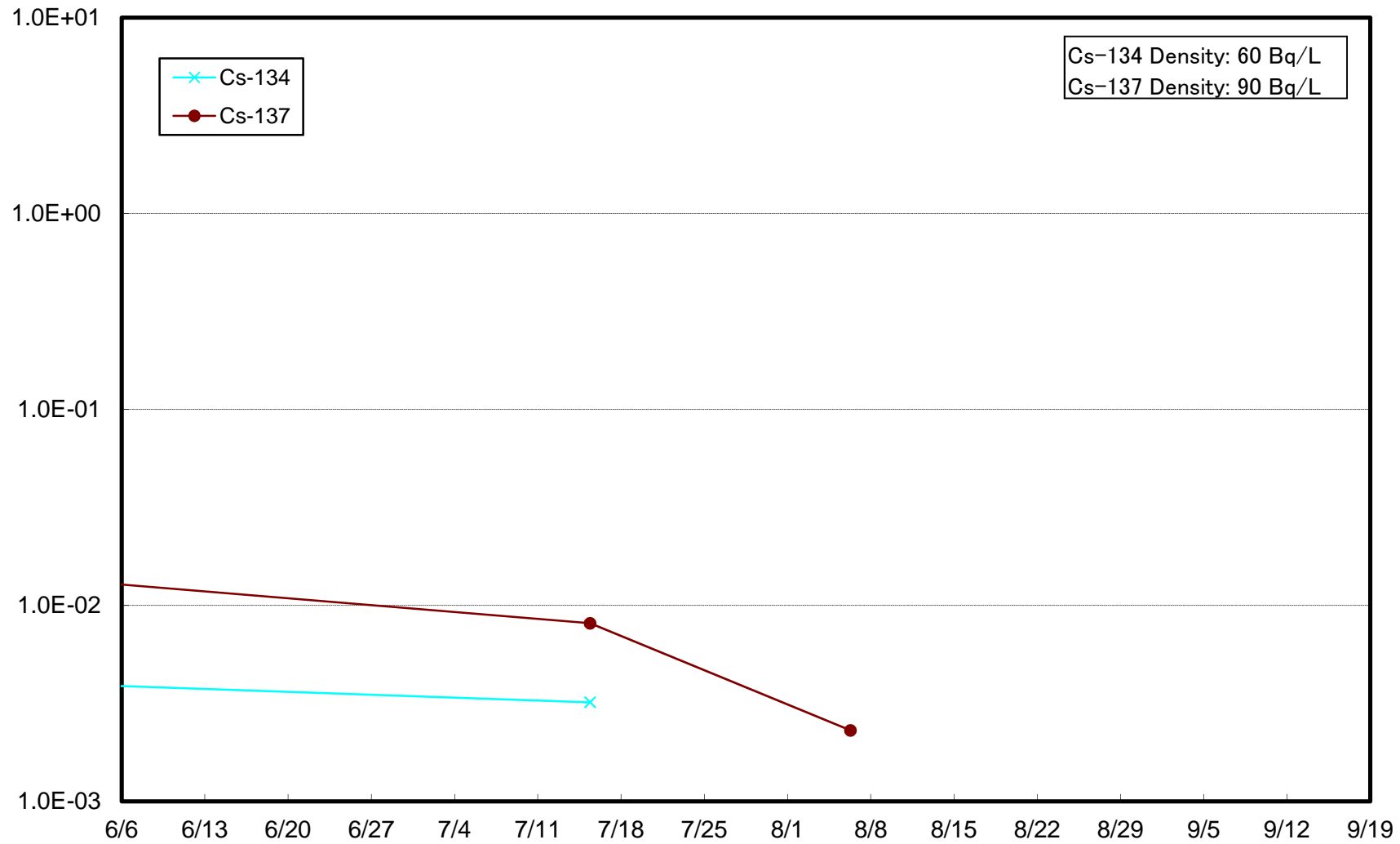
Radioactivity Density of the Seawater at 3km Offshore of Onahama Port (T-18) Upper Layer (Bq/L)



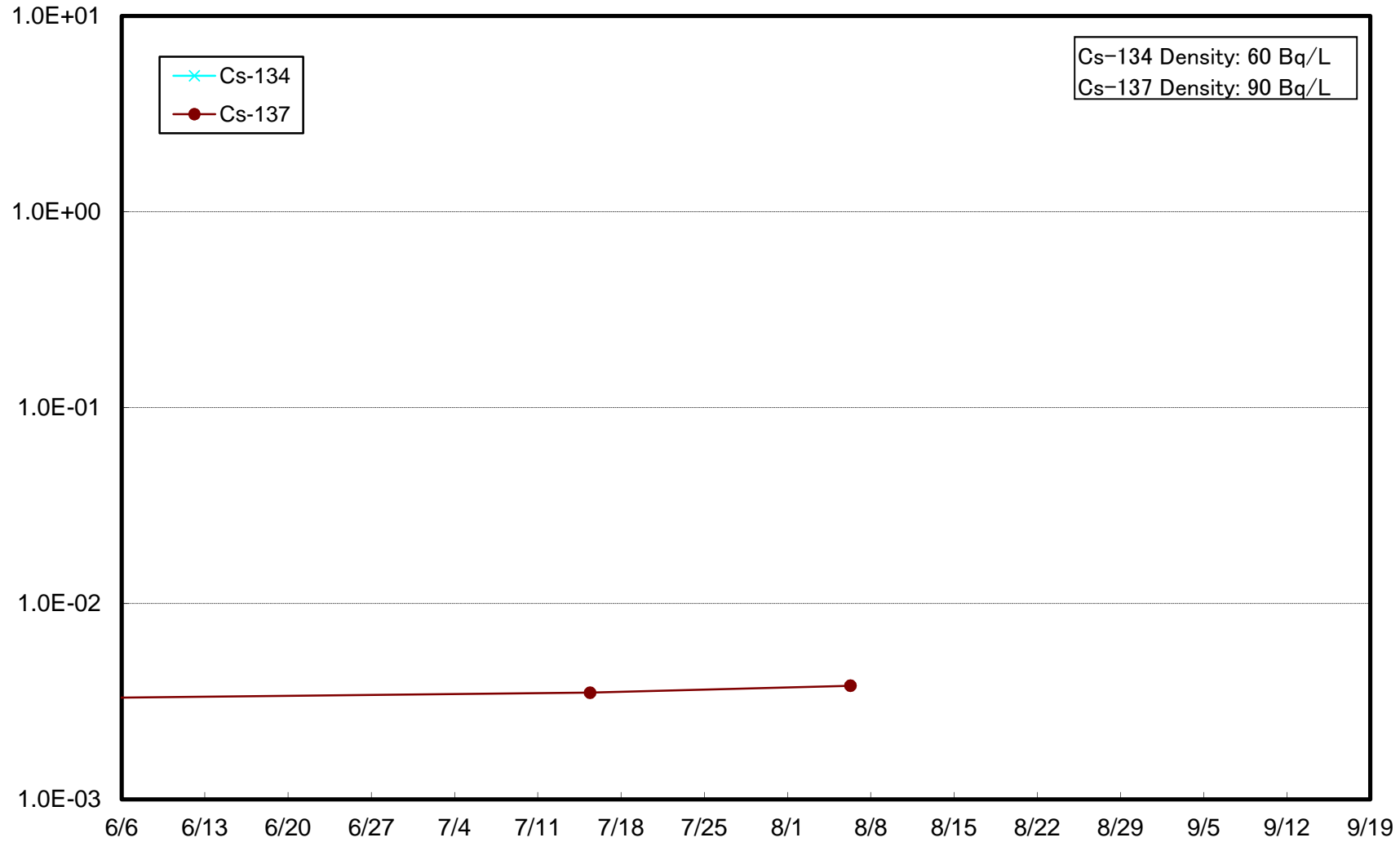
Radioactivity Density of the Seawater at 3km Offshore of Onahama Port (T-18) Lower Layer (Bq/L)



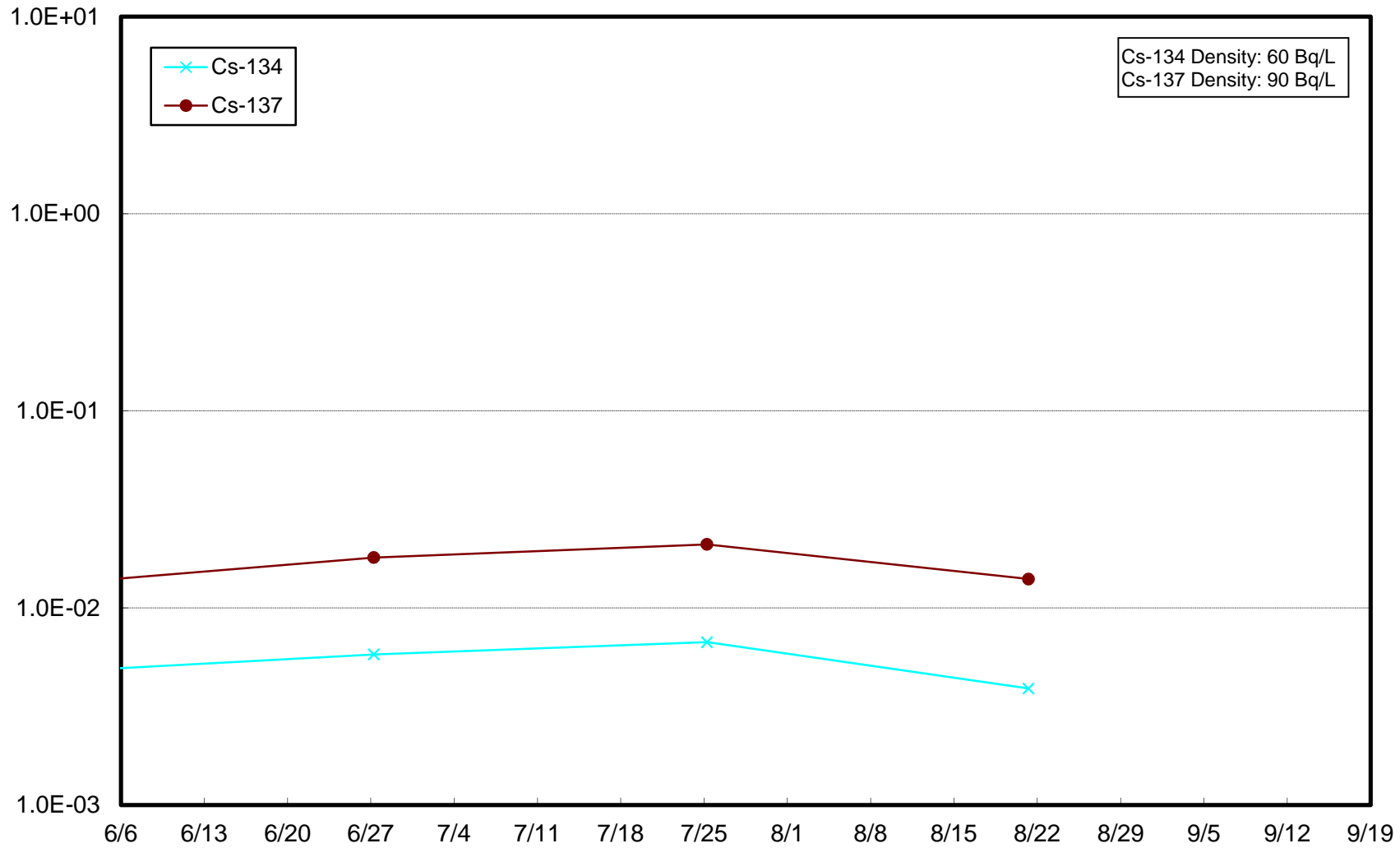
Radioactivity Density of the Seawater at 5km Offshore of Numanouchi (T-M10) Upper Layer (Bq/L)



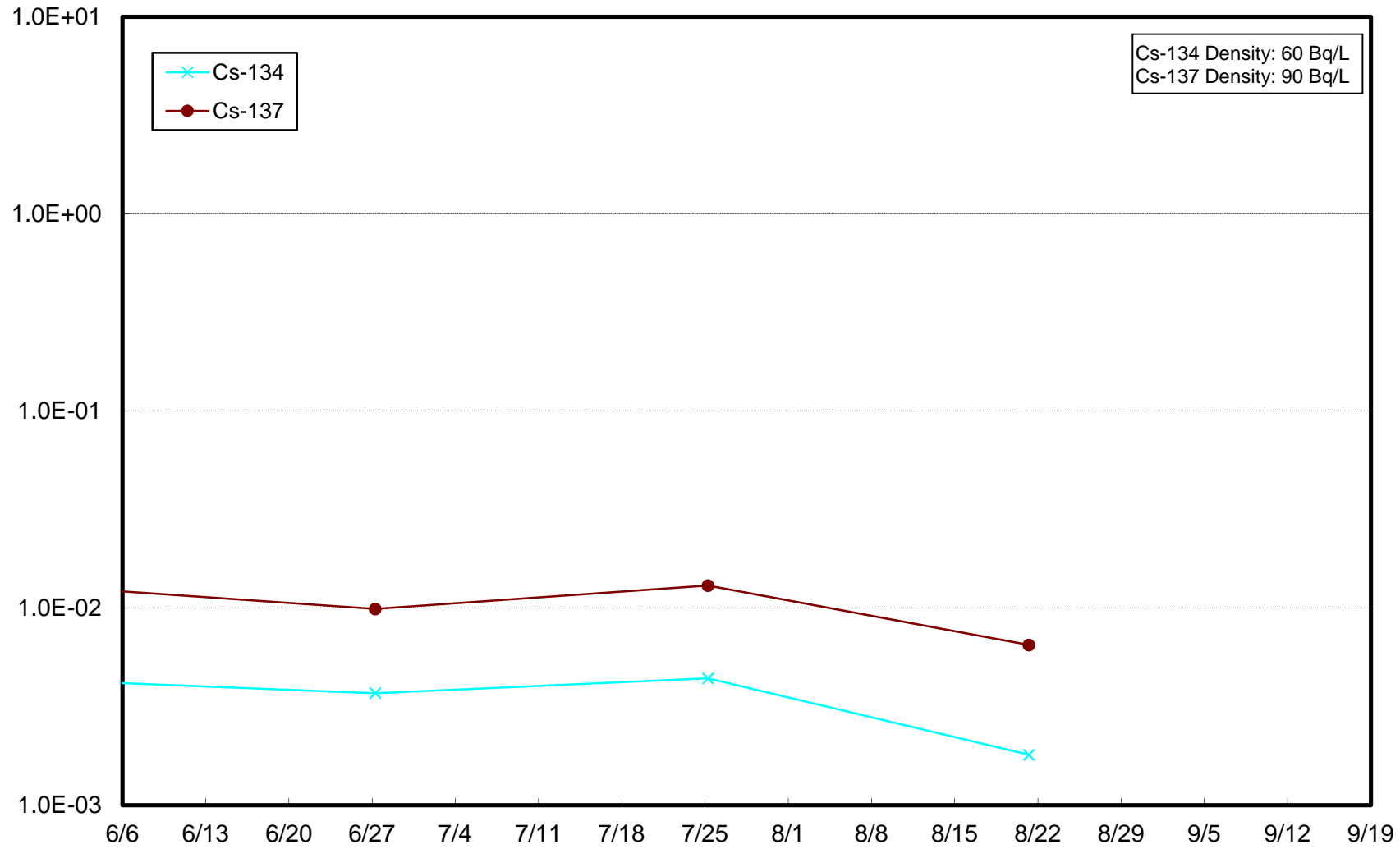
Radioactivity Density of the Seawater at 5km Offshore of Numanouchi (T-M10) Lower Layer (Bq/L)



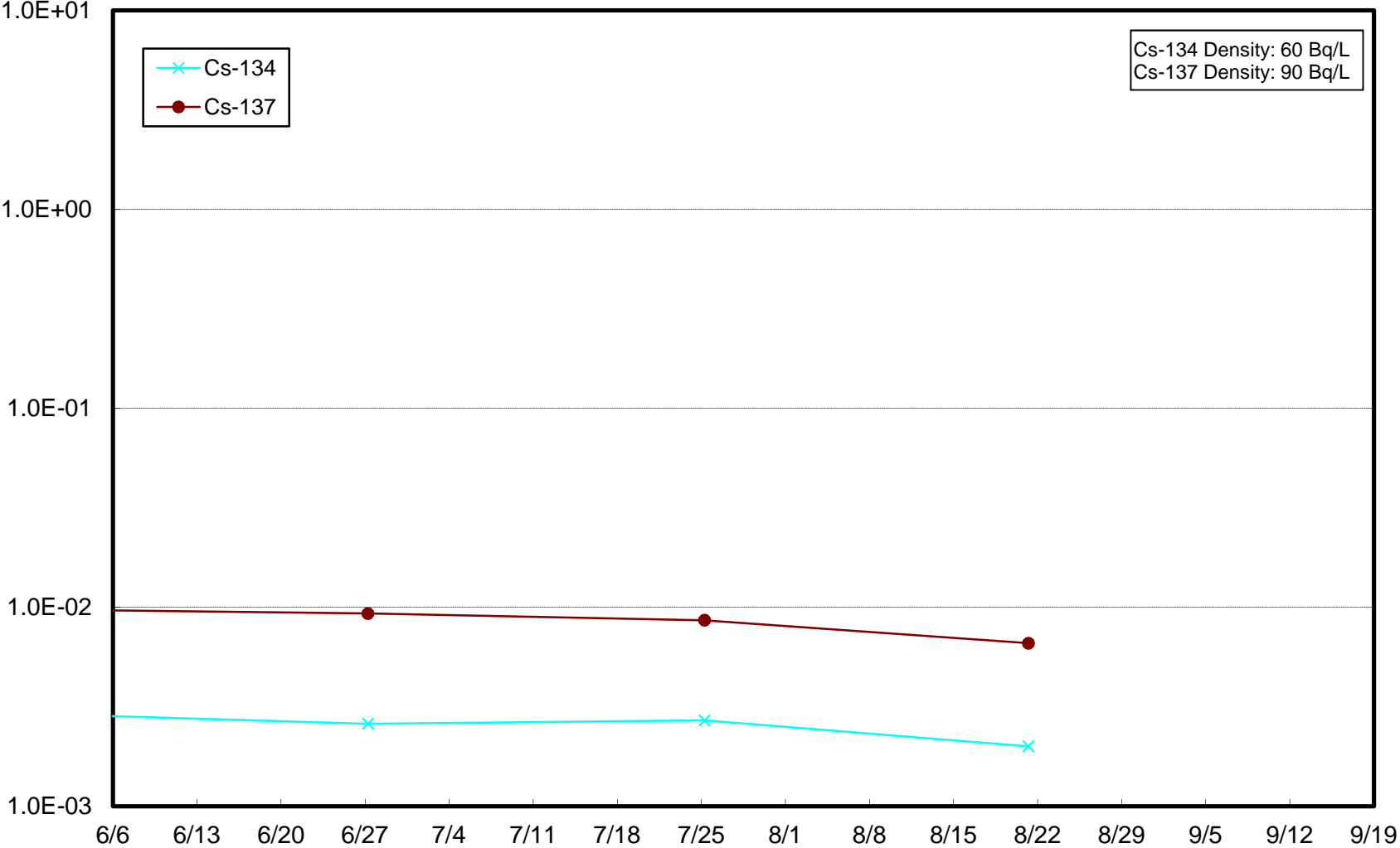
Radioactivity Density of the Seawater Around 1km Offshore of Ota River (T-S1) Upper Layer (Bq/L)



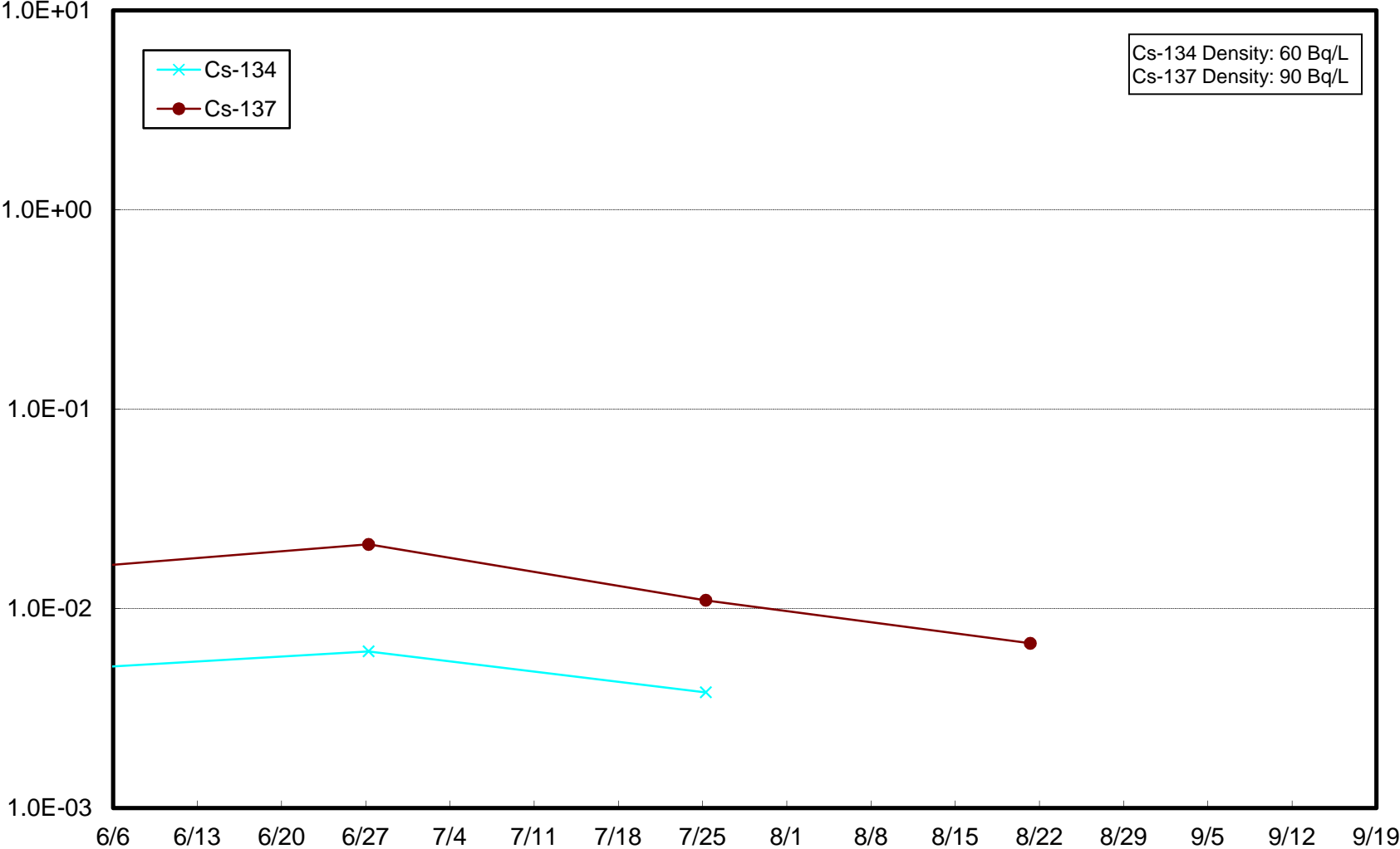
Radioactivity Density of the Seawater Around 1km Offshore of Ota River (T-S1) Lower Layer (Bq/L)



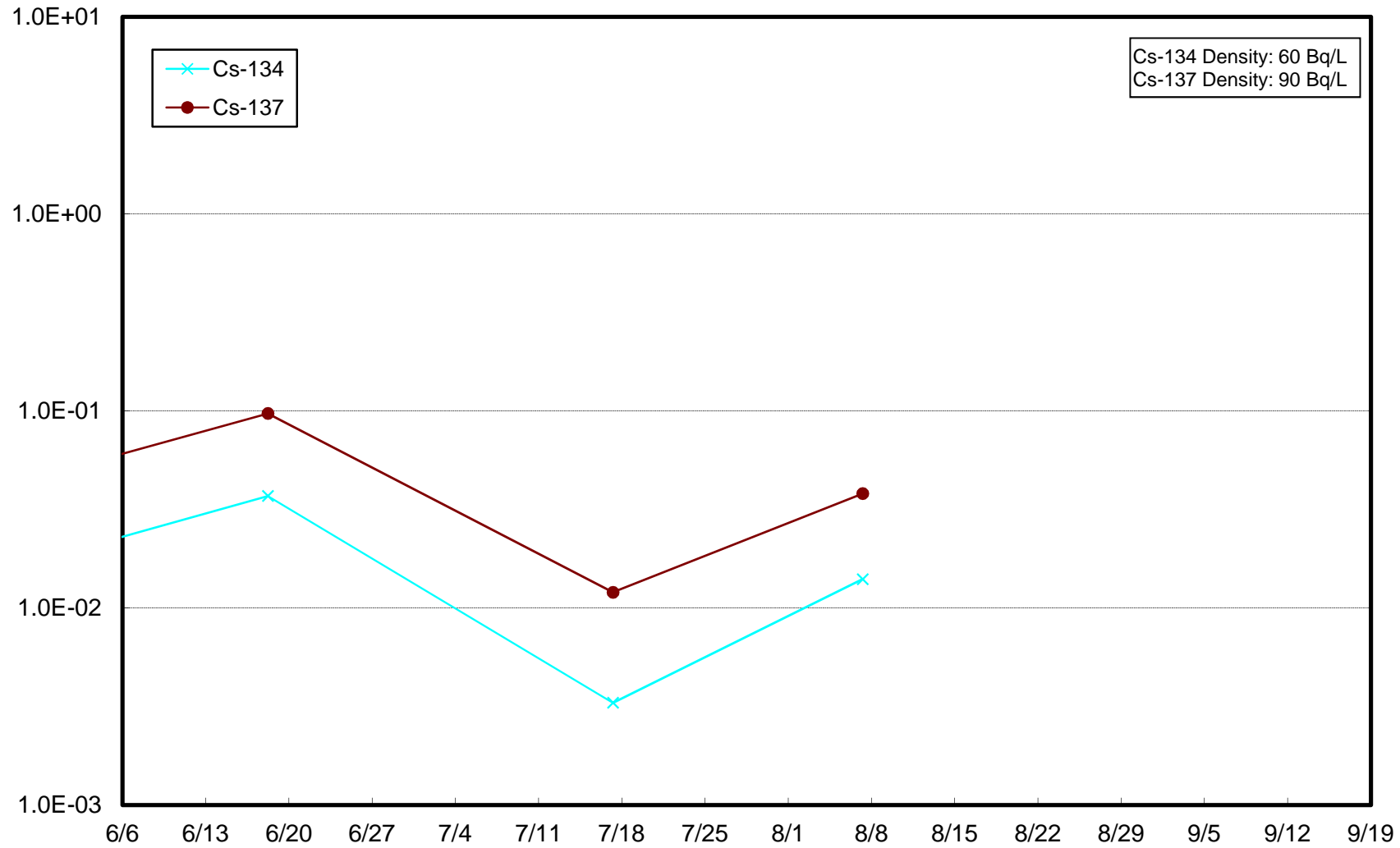
Radioactivity Density of the Seawater Around 3km Offshore of Odaka Ward (T-S2) Upper Layer (Bq/L)



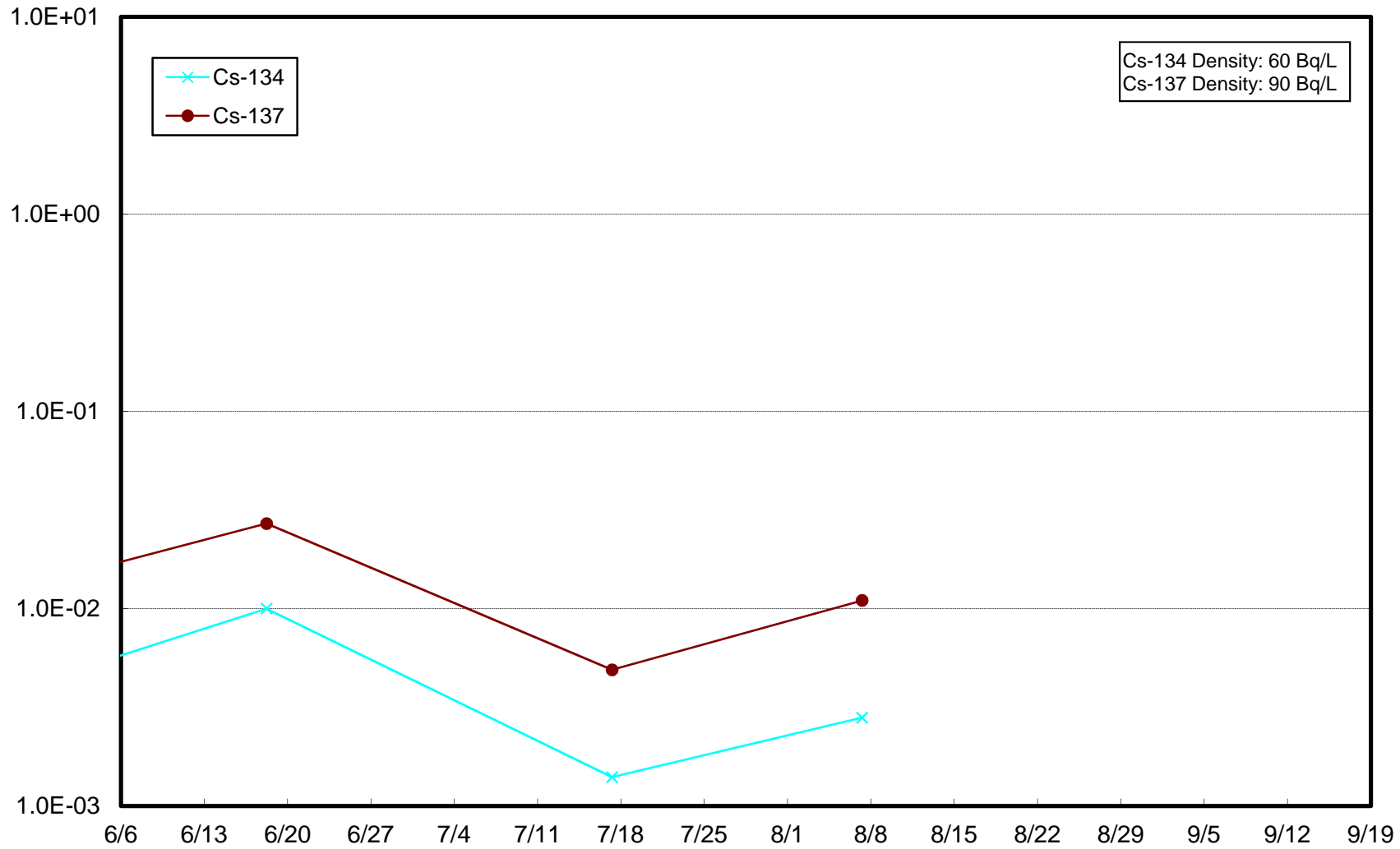
Radioactivity Density of the Seawater Around 3km Offshore of Odaka Ward (T-S2) Lower Layer (Bq/L)



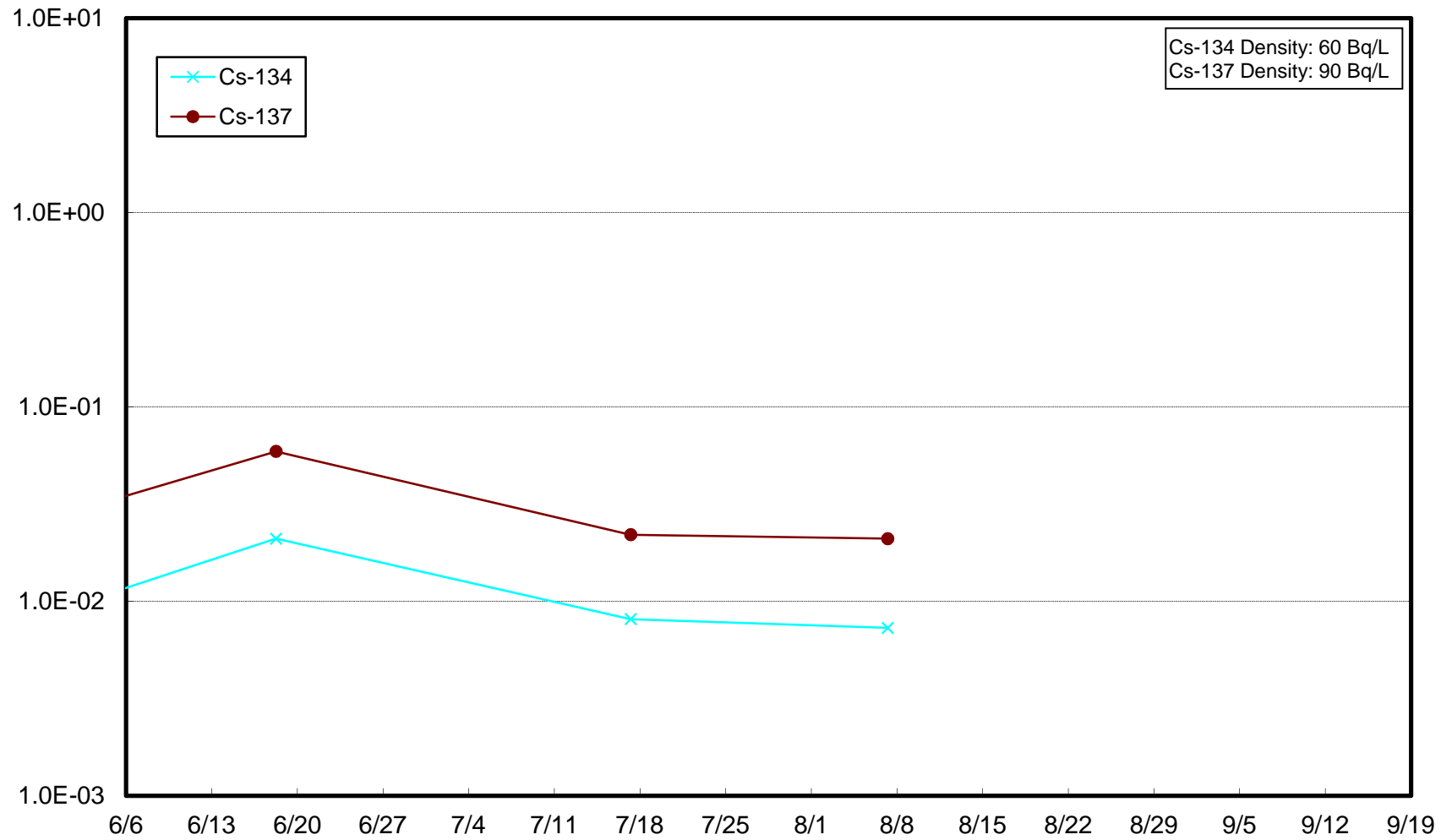
Radioactivity Density of the Seawater Around 3km Offshore of Ukedo River (T-S3) Upper Layer (Bq/L)



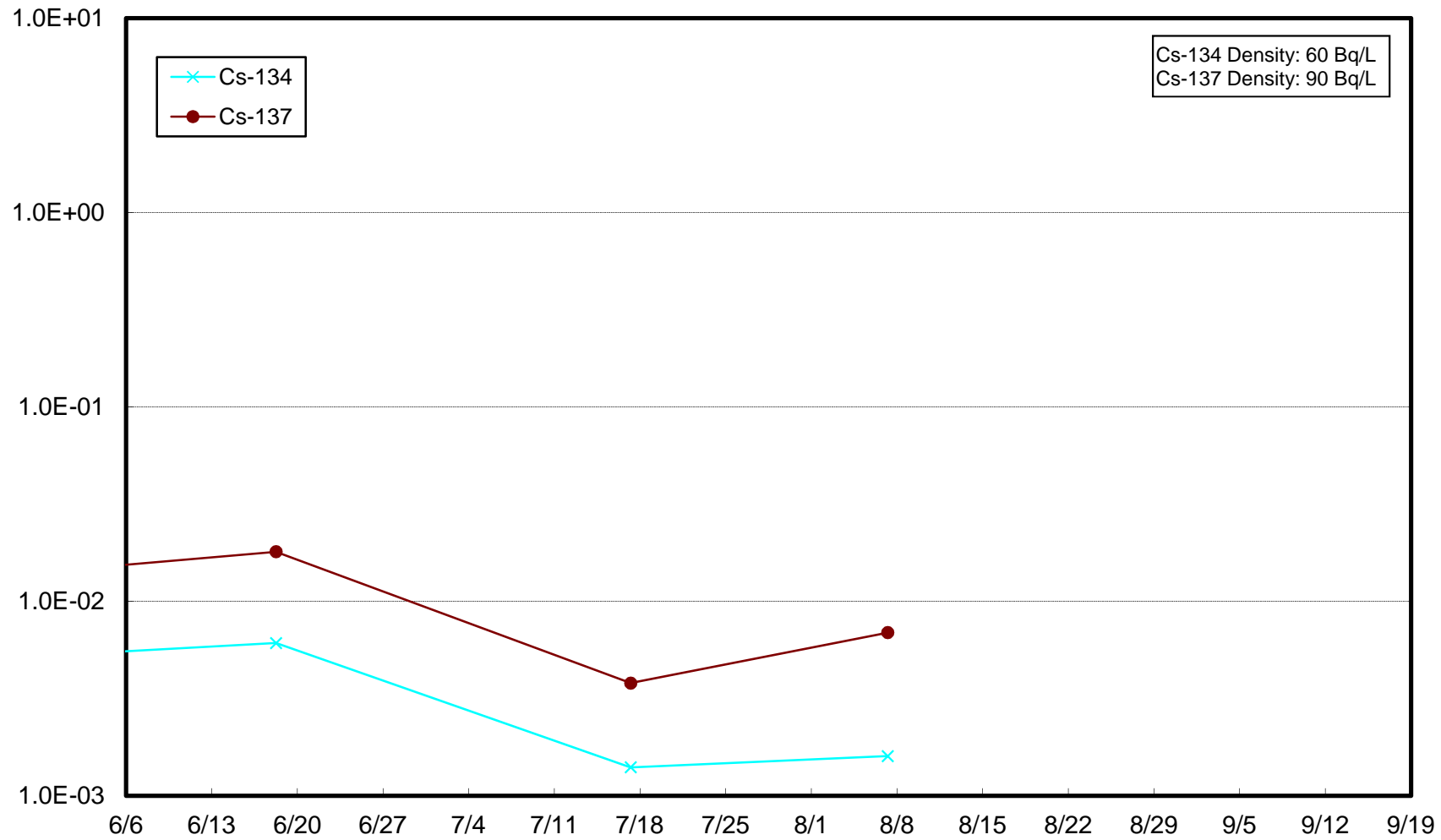
Radioactivity Density of the Seawater Around 3km Offshore of Ukedo River (T-S3) Lower Layer (Bq/L)



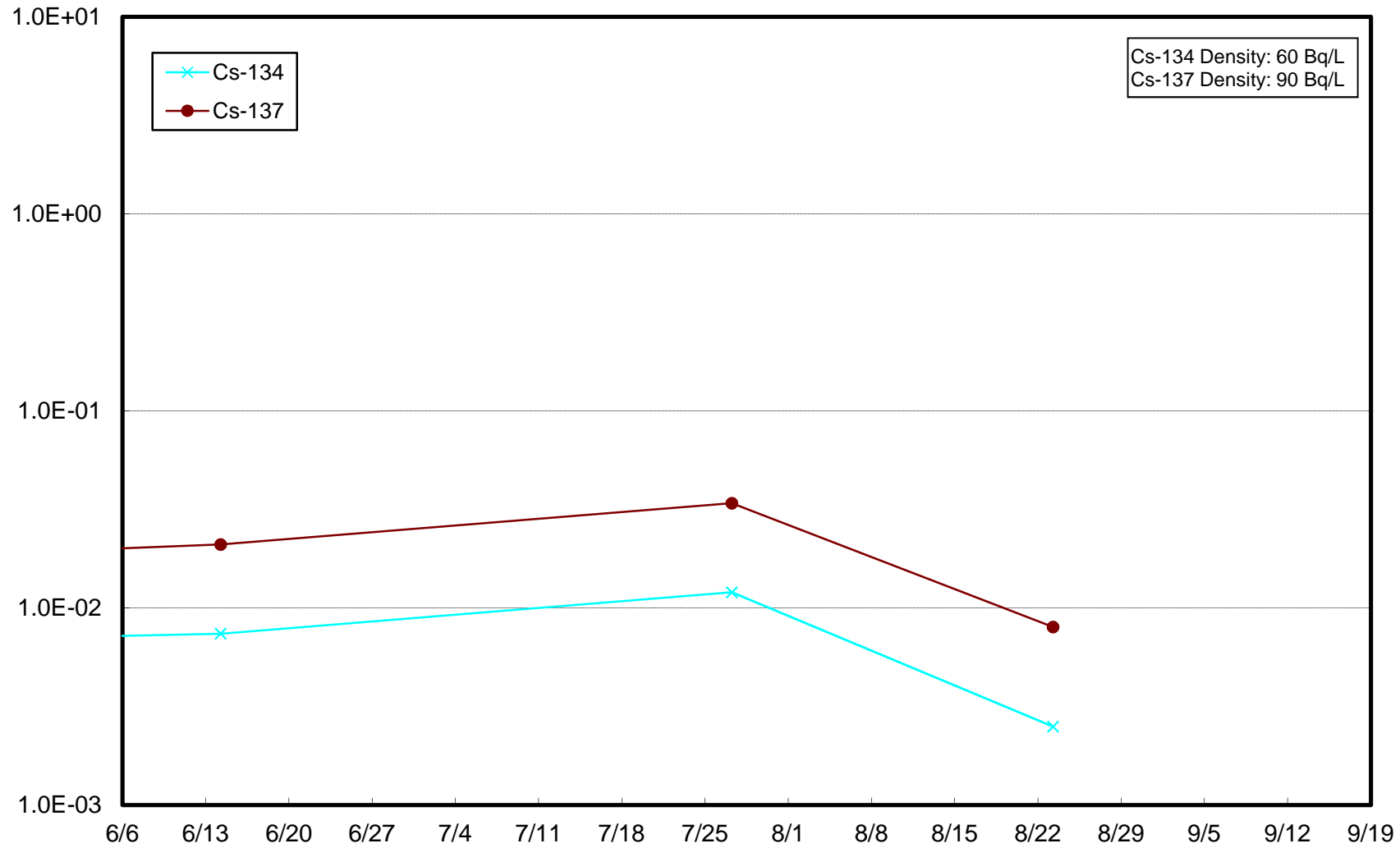
Radioactivity Density of the Seawater Around 3km Offshore of Fukushima Daiichi NPS (T-S4) Upper Layer (Bq/L)



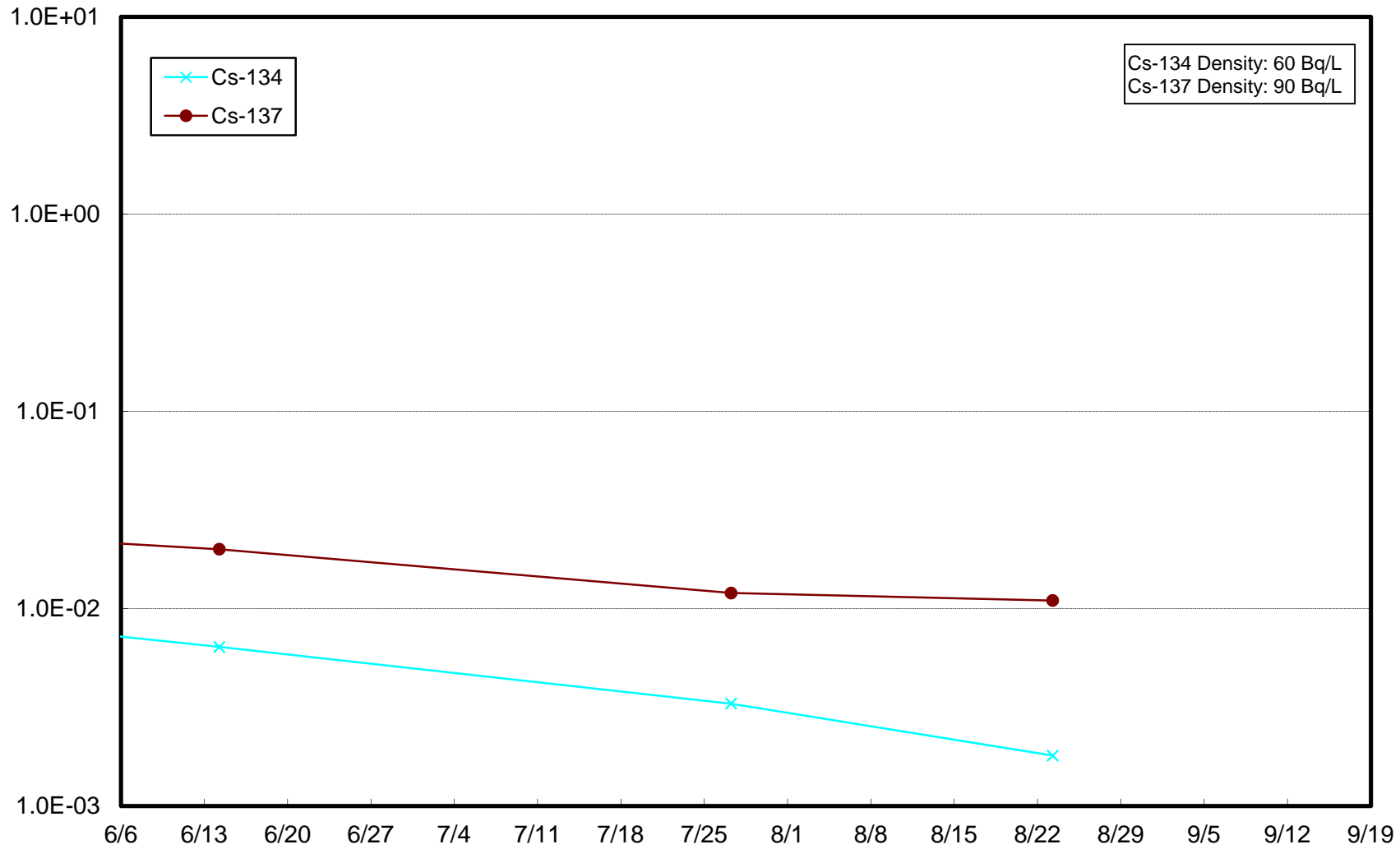
Radioactivity Density of the Seawater Around 3km Offshore of Fukushima Daiichi NPS (T-S4) Lower Layer (Bq/L)



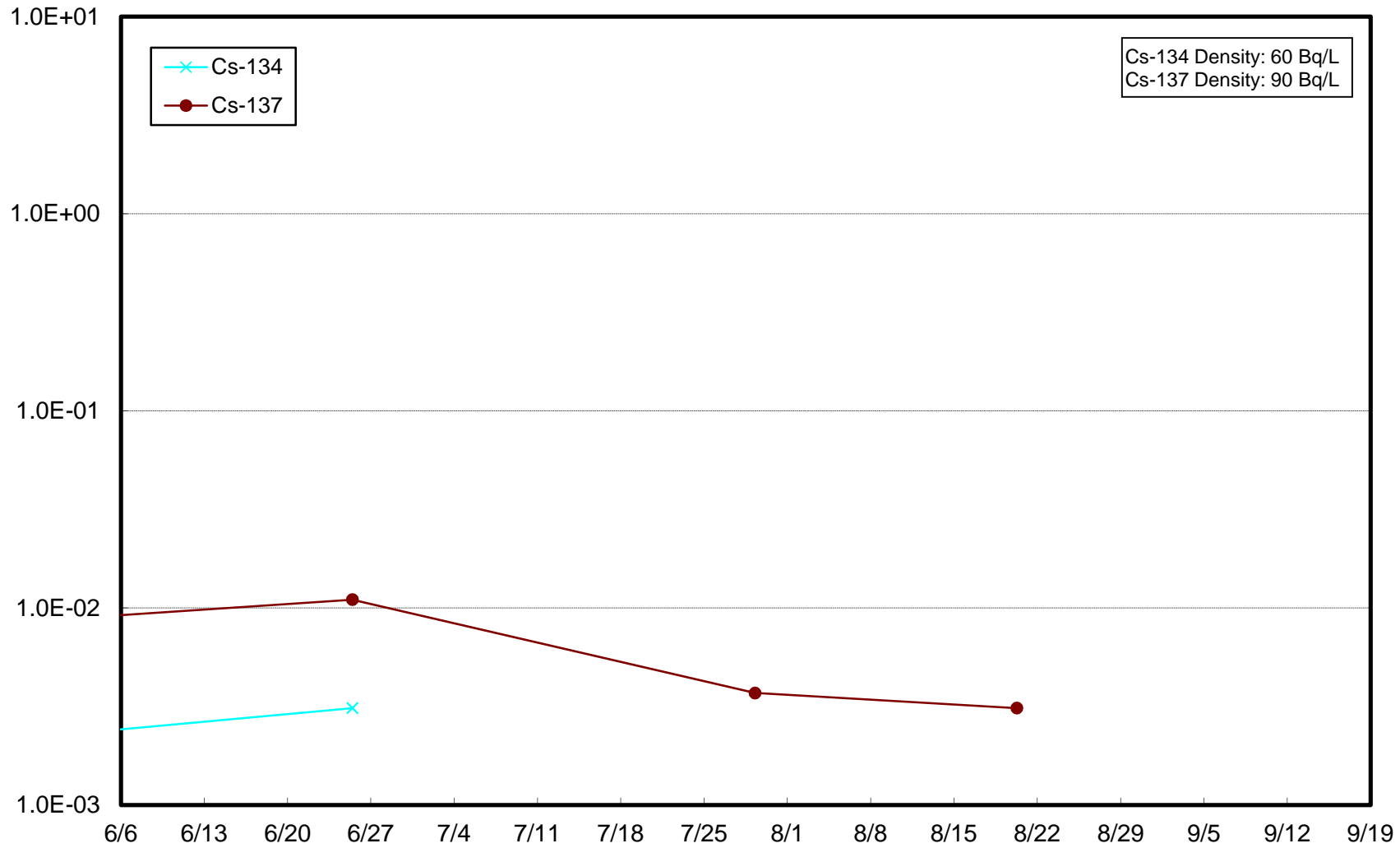
Radioactivity Density of the Seawater Around 4km Offshore of Kumagawa (T-S8) Upper Layer (Bq/L)



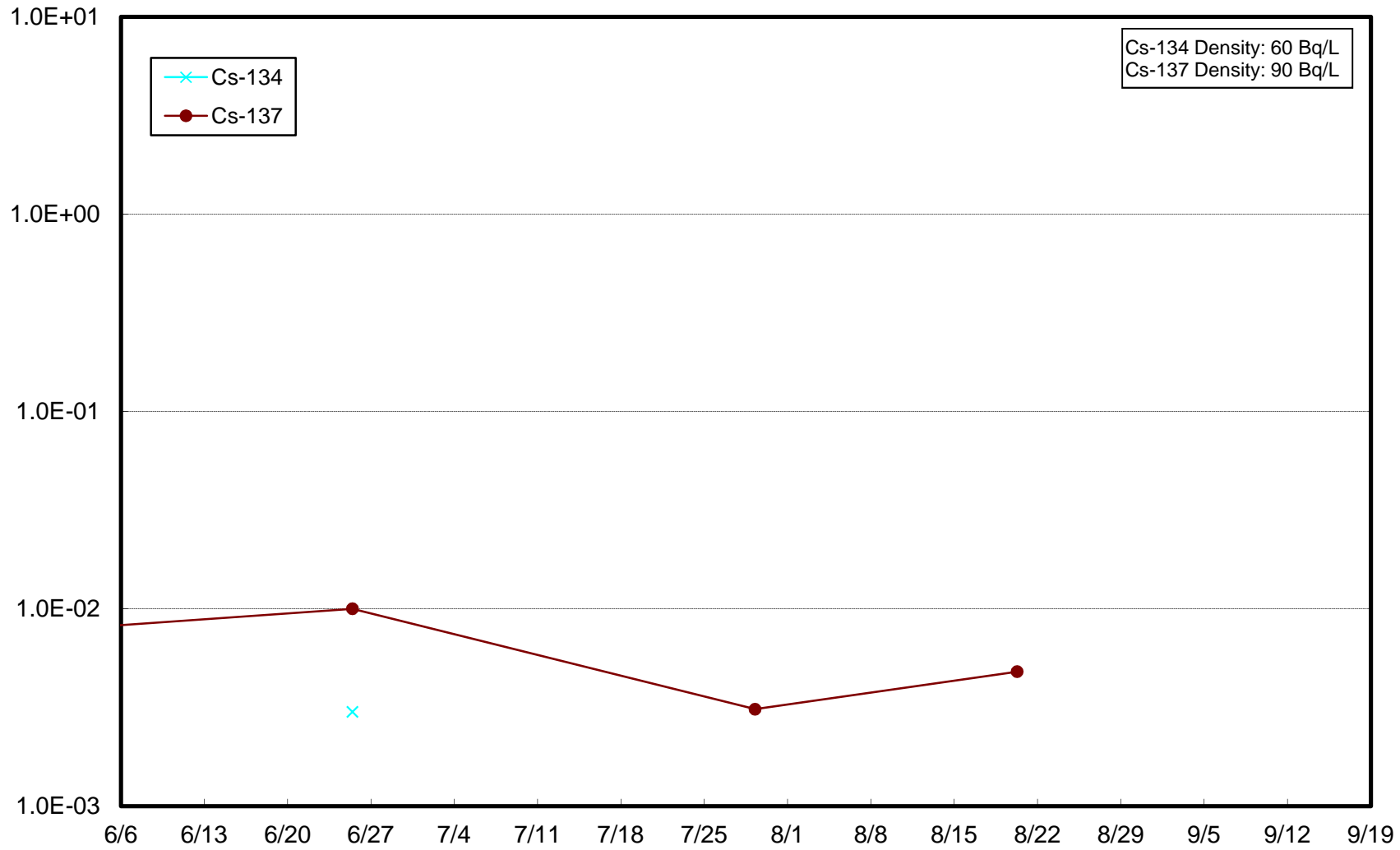
Radioactivity Density of the Seawater Around 4km Offshore of Kumagawa (T-S8) Lower Layer (Bq/L)



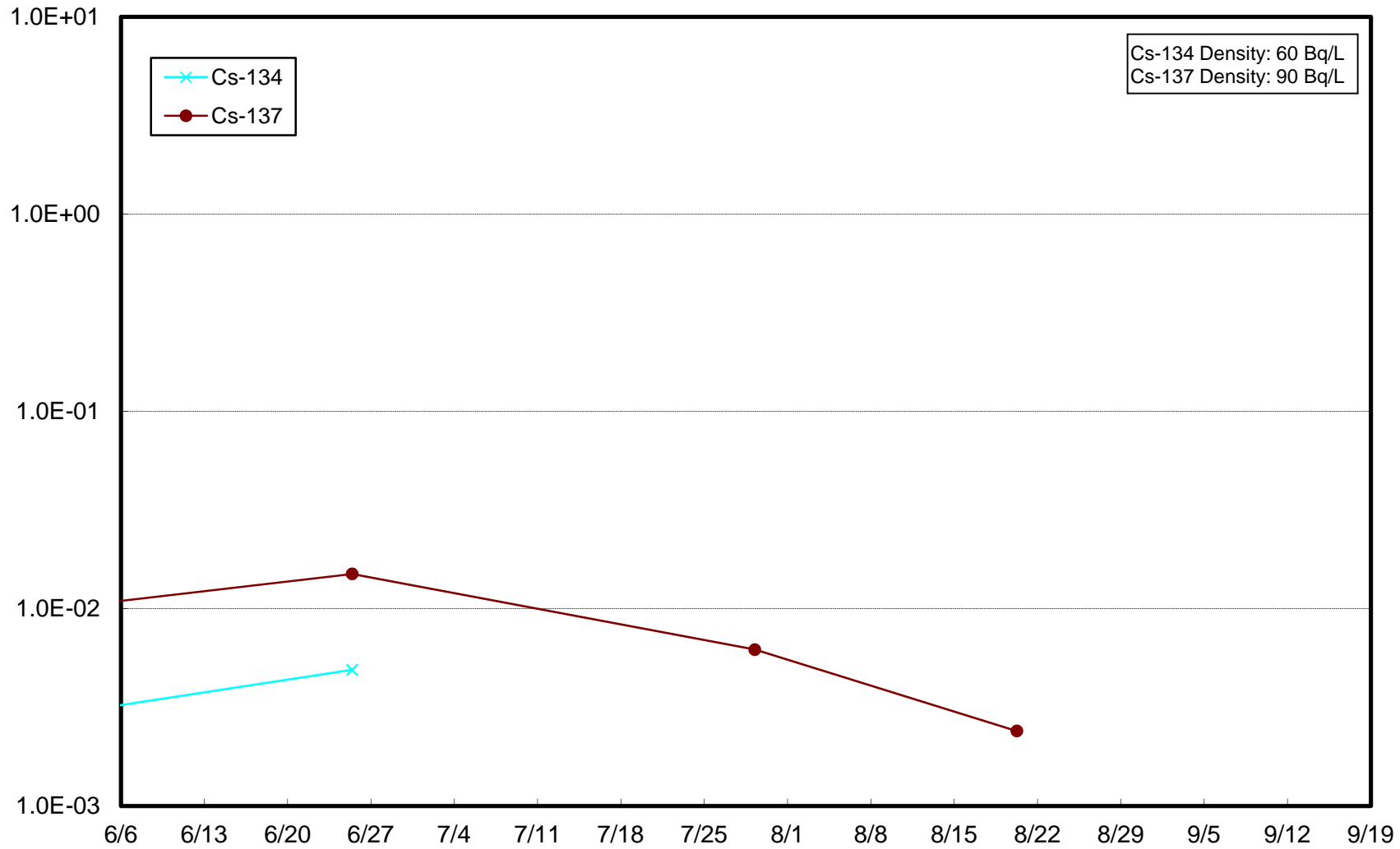
Radioactivity Density of the Seawater at 15km Offshore of Odaka Ward (T-B1) Upper Layer (Bq/L)



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)

