

福島第一原子力発電所沿岸海域の海水の放射性物質濃度測定結果
 (東京電力ホールディングス㈱の発表をもとに作成^{※1})
 試料採取日: 令和5年6月20日、22日、7月18日、19日、25日
 令和5年7月28日は悪天候により採取中止: 採取場所 T-5、T-D1、T-D5、T-D9、T-11、T-14

Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP
 (Based on the press release of TEPCO^{※1})
 Sampling Date: Jun 20, 22, Jul 18, 19, 25, 2023
 No samples due to bad weather at T-5, T-D1, T-D5, T-D9, T-11 and T-14, Jul 28, 2023

令和5年8月29日
 Aug 29, 2023

| 採取場所 Sampling Point | 採取日 Sampling Date | Cs-134 | Cs-137 | H-3 | 全α (gross α) | 全β ^{※2} (gross β) | Sr-90 | Pu-238 | Pu-239+240 | |
|------------------------|----------------------|--|--------|---------|-----------------|-------------------------------|-------|--------|------------|---|
| | | 放射性物質濃度 (Bq/L) Radioactivity concentration (Bq/L) | | | | | | | | |
| T-3 | 2023/4/11 12:05 | < 0.0012 | 0.0098 | < 0.35 | | | | | | 0 |
| | 2023/4/18 11:20 | < 0.0013 | 0.011 | < 0.36 | | < 14 | | | | 0 |
| | 2023/4/25 11:05 | < 0.0010 | 0.011 | < 0.36 | | | | | | 0 |
| | 2023/5/2 11:45 | < 0.0011 | 0.011 | < 0.35 | | < 12 | | | | 0 |
| | 2023/5/9 11:00 | < 0.0012 | 0.020 | < 0.35 | | | | | | 0 |
| | 2023/5/16 11:10 | < 0.0011 | 0.012 | < 0.36 | | 17 | | | | 0 |
| | 2023/5/23 11:00 | < 0.0013 | 0.015 | < 0.36 | | | | | | 0 |
| | 2023/5/30 11:00 | < 0.0011 | 0.010 | < 0.35 | | | | | | 0 |
| | 2023/6/6 11:07 | < 0.0012 | 0.012 | < 0.35 | | < 12 | | | | 0 |
| | 2023/6/13 11:20 | < 0.0014 | 0.016 | < 0.35 | | | | | | 0 |
| | 2023/6/20 11:15 | < 0.0013 | 0.013 | 0.11 | < 13 | | | | | 0 |
| | 2023/6/27 11:25 | < 0.0011 | 0.013 | < 0.37 | | | | | | 0 |
| | 2023/7/4 11:15 | < 0.0012 | 0.014 | < 0.37 | | 12 | | | | 0 |
| | 2023/7/11 11:20 | < 0.0011 | 0.022 | | | | | | | 0 |
| 2023/7/18 11:30 | < 0.0013 | 0.022 | < 0.35 | < 14 | | | | | 0 | |
| 2023/7/25 11:20 | < 0.0010 | 0.015 | | | | | | | 0 | |
| T-4 | 2023/4/11 14:05 | < 0.0012 | 0.0080 | | | | | | | 0 |
| | 2023/4/18 13:25 | < 0.0013 | 0.0076 | | | | | | | 0 |
| | 2023/4/25 13:05 | < 0.0012 | 0.0063 | | | | | | | 0 |
| | 2023/5/2 13:45 | < 0.0012 | 0.0066 | | | | | | | 0 |
| | 2023/5/9 13:05 | < 0.0013 | 0.021 | | | | | | | 0 |
| | 2023/5/16 13:30 | < 0.0012 | 0.011 | | | | | | | 0 |
| | 2023/5/23 13:15 | < 0.0014 | 0.010 | | | | | | | 0 |
| | 2023/5/30 13:10 | < 0.0011 | 0.0089 | | | | | | | 0 |
| | 2023/6/6 13:10 | < 0.0012 | 0.0074 | | | | | | | 0 |
| | 2023/6/13 13:25 | < 0.0013 | 0.0073 | | | | | | | 0 |
| | 2023/6/20 13:25 | < 0.0013 | 0.0095 | | | | | | | 0 |
| | 2023/6/27 13:30 | < 0.0012 | 0.0079 | | | | | | | 0 |
| | 2023/7/4 13:30 | < 0.0012 | 0.0072 | | | | | | | 0 |
| | 2023/7/11 13:25 | < 0.0012 | 0.011 | | | | | | | 0 |
| 2023/7/18 13:40 | < 0.0014 | 0.0080 | | | | | | | 0 | |
| 2023/7/25 13:50 | < 0.0011 | 0.0075 | | | | | | | 0 | |
| T-6 | 2023/4/11 10:40 | < 0.0013 | 0.014 | < 0.34 | | | | | | 0 |
| | 2023/4/18 9:50 | < 0.0013 | 0.014 | < 0.35 | < 14 | | | | | 0 |
| | 2023/4/25 9:35 | < 0.0014 | 0.0070 | < 0.36 | | | | | | 0 |
| | 2023/5/2 10:10 | < 0.0012 | 0.014 | < 0.35 | | 14 | | | | 0 |
| | 2023/5/9 9:35 | < 0.0014 | 0.012 | < 0.35 | | | | | | 0 |
| | 2023/5/16 9:45 | < 0.0012 | 0.013 | < 0.36 | | 19 | | | | 0 |
| | 2023/5/23 9:40 | < 0.0011 | 0.0085 | < 0.36 | | | | | | 0 |
| | 2023/5/30 9:40 | < 0.0012 | 0.011 | < 0.35 | | | | | | 0 |
| | 2023/6/6 9:55 | < 0.0014 | 0.014 | < 0.35 | < 12 | | | | | 0 |
| | 2023/6/13 10:00 | < 0.0013 | 0.0082 | < 0.35 | | | | | | 0 |
| | 2023/6/20 9:50 | < 0.0014 | 0.011 | < 0.073 | 15 | | | | | 0 |
| | 2023/6/27 10:00 | < 0.0013 | 0.0067 | < 0.36 | | | | | | 0 |
| | 2023/7/4 10:00 | < 0.0013 | 0.0094 | < 0.36 | < 10 | | | | | 0 |
| | 2023/7/11 10:00 | < 0.0013 | 0.0094 | | | | | | | 0 |
| 2023/7/18 10:05 | < 0.0013 | 0.011 | < 0.35 | < 14 | | | | | 0 | |
| 2023/7/25 9:45 | < 0.0012 | 0.011 | | | | | | | 0 | |

0: 上層(表層~2m) Outer Layer

* 太字下線データが今回追加分。 * Boldface and underlined readings are new.

* 「< XX」は放射性物質濃度が検出下限値(XX)未満であることを表す。

* "< XX" means that radioactivity concentration is lower than the detection limit XX.

* 採取場所の緯度経度はURLを参照。(https://radioactivity.nra.go.jp/ja/contents/17000/16507/view.html)

* Refer to the URL for the latitude and longitude of the sampling points. (https://radioactivity.nra.go.jp/ja/contents/17000/16507/view.html)

※1 東京電力ホールディングス㈱の発表 (https://www.tepco.co.jp/decommission/data/analysis/index-j.html)

※1 Press release of TEPCO (https://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html)

※2 分析方法: 蒸発乾固法 ※2 Analytical method: Evaporation drying method

参考

reference

福島第一原発事故以前の海水のモニタリング結果:

(https://radioactivity.nra.go.jp/ja/contents/9000/8483/24/Beforedisaster.pdf)

Results of radiation monitoring before the accident at TEPCO's Fukushima Dai-ichi NPP Nuclear Power Station.

(https://radioactivity.nra.go.jp/ja/contents/9000/8483/24/Beforedisaster.pdf)

| 採取場所 Sampling Point | 採取日 Sampling Date | Cs-134 | Cs-137 | H-3 | 全α (gross α) | 全β ^{※2} (gross β) | Sr-90 | Pu-238 | Pu-239+240 |
|------------------------|----------------------|--|--------|-----|-----------------|-------------------------------|-------|--------|------------|
| | | 放射性物質濃度 (Bq/L) Radioactivity concentration (Bq/L) | | | | | | | |

| | | | | | | | | | | | |
|-----|----------------|--|------------------|---------|-------|------|------|-----------|--|--------|--------|
| T-5 | 2023/4/10 7:07 | < 0.0011 < 0.0013 | 0.0015 0.0020 | < 0.34 | | | | | | O L | |
| | 2023/4/18 7:14 | < 0.0012 < 0.0014 | 0.0019 0.0015 | < 0.35 | | | < 14 | | | O L | |
| | 2023/4/28 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/5/1 7:27 | < 0.0013 < 0.0012 | 0.0026 0.0020 | < 0.35 | < 2.4 | | 15 | < 0.00069 | | | O L |
| | 2023/5/8 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/5/19 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/5/22 7:18 | < 0.0011 < 0.0014 | 0.0013 0.0017 | < 0.36 | | | < 12 | | | | O L |
| | 2023/5/31 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/6/8 7:25 | < 0.0013 < 0.00093 | 0.0017 0.0020 | < 0.36 | < 2.2 | < 14 | | 0.0013 | | | O L |
| | 2023/6/12 7:22 | < 0.0013 < 0.0012 | 0.0016 0.0027 | < 0.35 | | | | | | | O L |
| | 2023/6/20 7:28 | < 0.0011 < 0.0012 | 0.0023 0.0025 | < 0.072 | | | 14 | | | | O L |
| | 2023/6/29 7:23 | < 0.0012 < 0.0013 | 0.0027 0.0023 | < 0.36 | | | | | | | O L |
| | 2023/7/6 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/7/10 7:29 | < 0.0011 < 0.0012 | 0.0022 0.0020 | | | | | | | | O L |
| | 2023/7/19 7:21 | < 0.0013 < 0.0013 | 0.0017 0.0019 | < 0.37 | | | 17 | | | | O L |
| | 2023/7/28 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |

| | | | | | | | | | | | |
|------|----------------|--|------------------|---------|-------|--|------|-----------|--|--------|--------|
| T-D1 | 2023/4/10 7:47 | < 0.0011 < 0.0011 | 0.0040 0.0038 | < 0.34 | | | | | | O L | |
| | 2023/4/18 7:49 | < 0.0012 < 0.0011 | 0.0023 0.0038 | < 0.34 | | | 15 | | | O L | |
| | 2023/4/27 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/5/1 8:00 | < 0.0013 < 0.0013 | 0.0044 0.0059 | < 0.35 | < 2.4 | | 16 | 0.00089 | | | O L |
| | 2023/5/8 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/5/18 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/5/22 8:02 | < 0.0012 < 0.0013 | 0.0062 0.0036 | < 0.36 | | | 14 | | | | O L |
| | 2023/5/31 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/6/6 8:04 | < 0.0012 < 0.0011 | 0.0039 0.0046 | < 0.35 | < 2.3 | | 15 | < 0.00068 | | | O L |
| | 2023/6/12 7:52 | < 0.0011 < 0.0013 | 0.0024 0.0039 | < 0.35 | | | | | | | O L |
| | 2023/6/22 8:08 | < 0.0011 < 0.0012 | 0.0030 0.0032 | < 0.080 | | | < 12 | | | | O L |
| | 2023/6/28 8:22 | < 0.0011 < 0.0012 | 0.0075 0.0034 | < 0.37 | | | | | | | O L |
| | 2023/7/3 8:11 | < 0.0011 < 0.0012 | 0.0030 0.0044 | < 0.37 | | | 17 | | | | O L |
| | 2023/7/10 7:57 | < 0.0012 < 0.0012 | 0.0026 0.0032 | | | | | | | | O L |
| | 2023/7/18 7:51 | < 0.0010 < 0.0012 | 0.0019 0.0026 | < 0.36 | | | < 14 | | | | O L |
| | 2023/7/28 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |

O: 上層(表層~2m) Outer Layer
L: 下層(海底より2~3m上) Lower Layer

| 採取場所 Sampling Point | 採取日 Sampling Date | Cs-134 | Cs-137 | H-3 | 全α (gross α) | 全β ^{※2} (gross β) | Sr-90 | Pu-238 | Pu-239+240 |
|------------------------|----------------------|--|--------|-----|-----------------|-------------------------------|-------|--------|------------|
| | | 放射性物質濃度 (Bq/L) Radioactivity concentration (Bq/L) | | | | | | | |

| | | | | | | | | | | | |
|------|----------------|--|--------|---------|-------|------|------|---------|--|--------|--------|
| T-D5 | 2023/4/10 8:14 | < 0.0013 < 0.0012 | 0.0033 | < 0.34 | | | | | | O L | |
| | 2023/4/18 8:16 | < 0.0013 < 0.0012 | 0.0027 | < 0.34 | | | 15 | | | O L | |
| | 2023/4/27 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/5/1 8:31 | < 0.0014 < 0.0012 | 0.0034 | < 0.35 | < 2.4 | < 12 | | 0.00098 | | | O L |
| | 2023/5/8 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/5/18 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/5/22 8:34 | < 0.0014 < 0.0011 | 0.0045 | < 0.36 | | | < 12 | | | | O L |
| | 2023/5/31 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/6/6 8:35 | < 0.0012 < 0.0012 | 0.0039 | < 0.35 | < 2.3 | | 16 | 0.00070 | | | O L |
| | 2023/6/12 8:16 | < 0.0013 < 0.0012 | 0.0030 | < 0.35 | | | | | | | O L |
| | 2023/6/22 8:40 | < 0.0013 < 0.0014 | 0.0043 | < 0.075 | | | | 14 | | | O L |
| | 2023/6/28 8:49 | < 0.0011 < 0.0012 | 0.0047 | < 0.37 | | | | | | | O L |
| | 2023/7/3 8:41 | < 0.0011 < 0.0012 | 0.013 | < 0.37 | | | | 16 | | | O L |
| | 2023/7/10 8:22 | < 0.0012 < 0.0011 | 0.0031 | | | | | | | | O L |
| | 2023/7/18 8:16 | < 0.0012 < 0.0012 | 0.0025 | < 0.36 | | | < 14 | | | | O L |
| | 2023/7/28 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |

| | | | | | | | | | | | |
|------|----------------|--|--------|---------|-------|------|------|-----------|--|--------|--------|
| T-D9 | 2023/4/10 7:56 | < 0.0012 < 0.0012 | 0.0025 | < 0.34 | | | | | | O L | |
| | 2023/4/18 8:02 | < 0.0012 < 0.0011 | 0.0037 | < 0.35 | | | < 14 | | | O L | |
| | 2023/4/28 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/5/1 8:20 | < 0.0011 < 0.0012 | 0.0045 | < 0.34 | < 2.4 | | 14 | 0.0013 | | | O L |
| | 2023/5/8 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/5/19 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/5/22 8:09 | < 0.0011 < 0.0010 | 0.0075 | < 0.36 | | | | 15 | | | O L |
| | 2023/5/31 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/6/8 8:11 | < 0.0013 < 0.0013 | 0.0020 | < 0.35 | < 2.2 | < 14 | | < 0.00083 | | | O L |
| | 2023/6/12 8:08 | < 0.0013 < 0.0014 | 0.0034 | < 0.35 | | | | | | | O L |
| | 2023/6/20 8:19 | < 0.0010 < 0.0011 | 0.0038 | < 0.074 | | | | < 13 | | | O L |
| | 2023/6/29 8:15 | < 0.0012 < 0.0014 | 0.0036 | < 0.37 | | | | | | | O L |
| | 2023/7/6 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |
| | 2023/7/10 8:16 | < 0.0012 < 0.0012 | 0.0028 | | | | | | | | O L |
| | 2023/7/19 8:18 | < 0.0012 < 0.0012 | 0.0033 | < 0.36 | | | < 14 | | | | O L |
| | 2023/7/28 | 悪天候により採取中止 (No samples due to bad weather) | | | | | | | | | O L |

O: 上層(表層~2m) Outer Layer
L: 下層(海底より2~3m上) Lower Layer

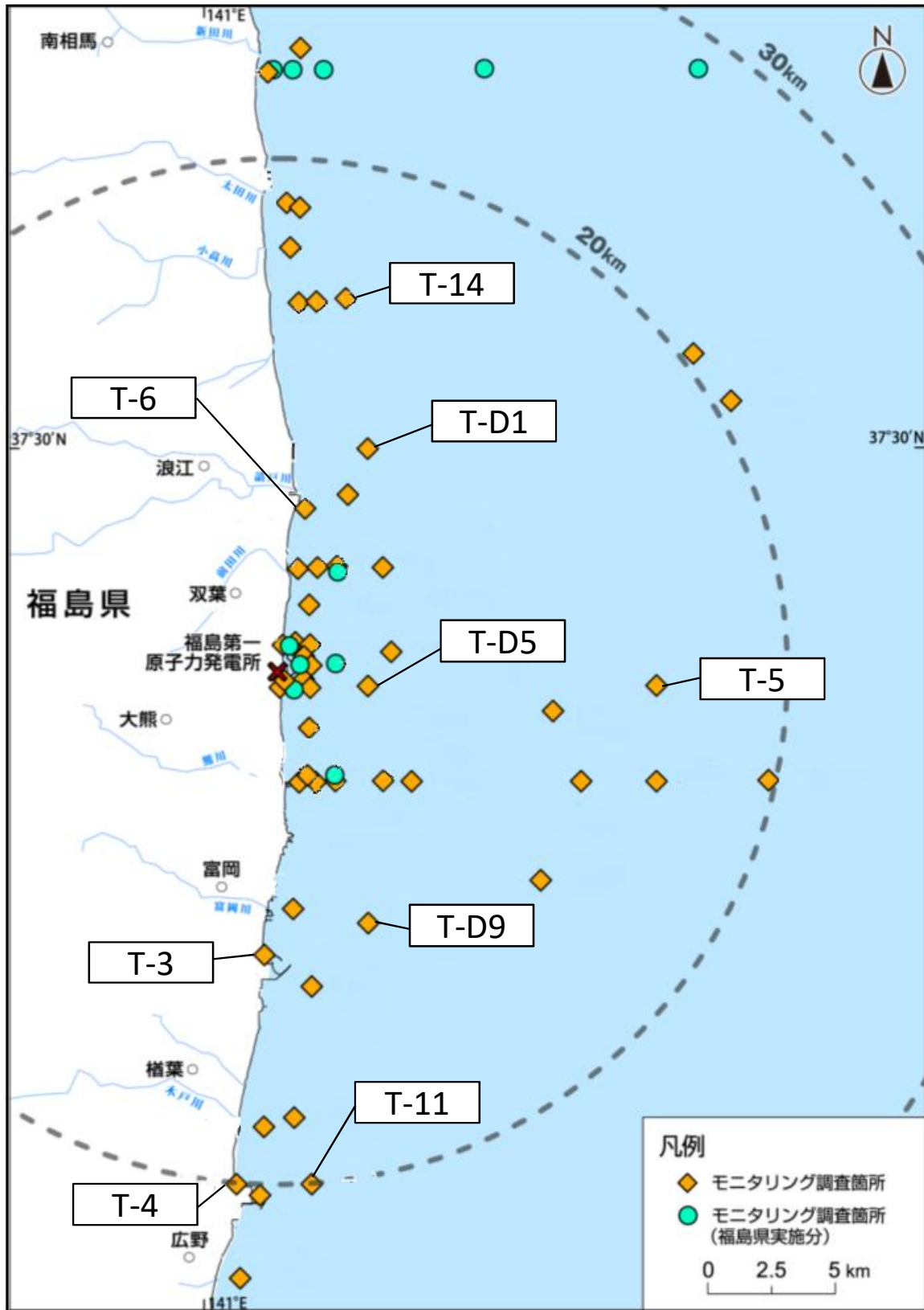
| 採取場所 Sampling Point | 採取日 Sampling Date | Cs-134 | Cs-137 |
|------------------------|----------------------|--|--------|
| | | 放射性物質濃度 (Bq/L) Radioactivity concentration (Bq/L) | |

| | | | | |
|----------------|---|---|--------|---|
| T-11 | 2023/4/10 8:25 | < 0.0012 | 0.0046 | O |
| | | < 0.0013 | 0.0048 | L |
| | 2023/4/18 8:31 | < 0.0012 | 0.0044 | O |
| | | < 0.0012 | 0.0040 | L |
| | 2023/4/28 | 悪天候により採取中止 (No samples due to bad weather) | | O |
| | 2023/5/1 8:48 | < 0.0013 | 0.0033 | O |
| | | < 0.0013 | 0.0043 | L |
| | 2023/5/8 | 悪天候により採取中止 (No samples due to bad weather) | | O |
| | 2023/5/19 | 悪天候により採取中止 (No samples due to bad weather) | | O |
| | 2023/5/22 8:47 | < 0.0013 | 0.0066 | O |
| | | < 0.0013 | 0.0042 | L |
| | 2023/5/31 | 悪天候により採取中止 (No samples due to bad weather) | | O |
| | 2023/6/8 8:38 | < 0.0014 | 0.0024 | O |
| | | < 0.0011 | 0.0033 | L |
| | 2023/6/12 8:43 | < 0.0012 | 0.0043 | O |
| | | < 0.0013 | 0.0054 | L |
| | 2023/6/20 8:52 | < 0.0011 | 0.0040 | O |
| | | < 0.0012 | 0.0039 | L |
| | 2023/6/29 8:48 | < 0.0014 | 0.0040 | O |
| | | < 0.0013 | 0.0027 | L |
| 2023/7/6 | 悪天候により採取中止 (No samples due to bad weather) | | O | |
| 2023/7/10 8:54 | < 0.0012 | 0.0032 | O | |
| | < 0.0013 | 0.0036 | L | |
| 2023/7/19 8:50 | < 0.0014 | 0.0051 | O | |
| | < 0.0012 | 0.0030 | L | |
| 2023/7/28 | 悪天候により採取中止 (No samples due to bad weather) | | O | |

| | | | | |
|----------------|---|---|--------|---|
| T-14 | 2023/4/10 7:27 | < 0.0014 | 0.0036 | O |
| | | < 0.0014 | 0.0093 | L |
| | 2023/4/18 7:28 | < 0.0014 | 0.0029 | O |
| | | < 0.0014 | 0.0029 | L |
| | 2023/4/27 | 悪天候により採取中止 (No samples due to bad weather) | | O |
| | 2023/5/1 7:36 | < 0.0014 | 0.0036 | O |
| | | < 0.0014 | 0.0048 | L |
| | 2023/5/8 | 悪天候により採取中止 (No samples due to bad weather) | | O |
| | 2023/5/18 | 悪天候により採取中止 (No samples due to bad weather) | | O |
| | 2023/5/22 7:39 | < 0.0014 | 0.0037 | O |
| | | < 0.0014 | 0.0031 | L |
| | 2023/5/31 | 悪天候により採取中止 (No samples due to bad weather) | | O |
| | 2023/6/6 7:39 | < 0.0014 | 0.0035 | O |
| | | < 0.0014 | 0.0041 | L |
| | 2023/6/12 7:33 | < 0.0014 | 0.0025 | O |
| | | < 0.0014 | 0.0029 | L |
| | 2023/6/22 7:46 | < 0.0014 | 0.0024 | O |
| | | < 0.0014 | 0.0026 | L |
| | 2023/6/28 7:58 | < 0.0014 | 0.0046 | O |
| | | < 0.0014 | 0.0035 | L |
| 2023/7/3 7:46 | < 0.0014 | 0.0026 | O | |
| | < 0.0014 | 0.0032 | L | |
| 2023/7/10 7:29 | < 0.0014 | 0.0025 | O | |
| | < 0.0014 | 0.0037 | L | |
| 2023/7/18 7:31 | < 0.0014 | 0.0029 | O | |
| | < 0.0014 | 0.0032 | L | |
| 2023/7/28 | 悪天候により採取中止 (No samples due to bad weather) | | O | |

O : 上層(表層~2m) Outer Layer
 L : 下層(海底より2~3m上) Lower Layer

福島第一原子力発電所沿岸海域の海水採取ポイント
 (Seawater sampling points near and around Fukushima Dai-ichi NPP)



* 図中の × は東京電力ホールディングス㈱福島第一原子力発電所を示す。
 * The mark × indicates the location of TEPCO Fukushima Dai-ichi NPP.