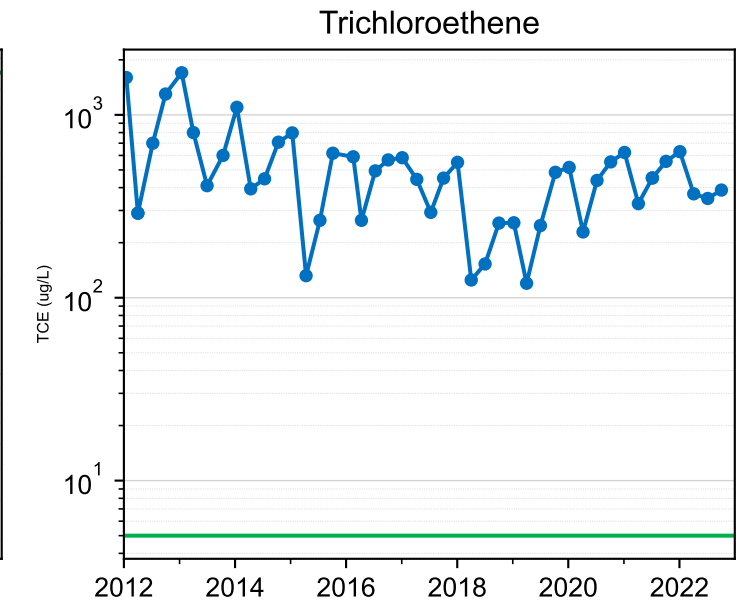
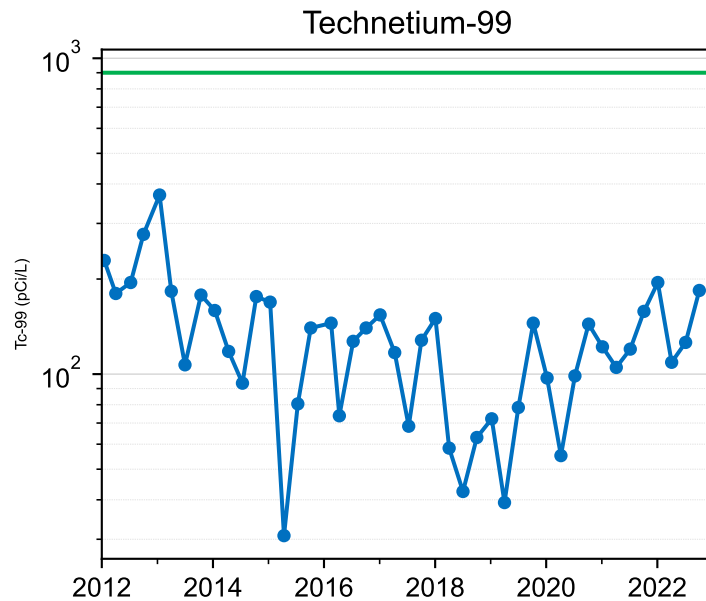
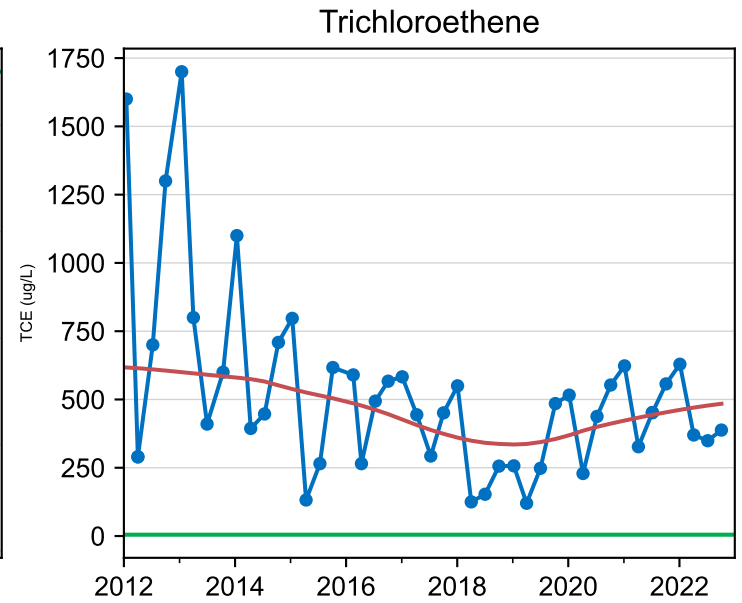
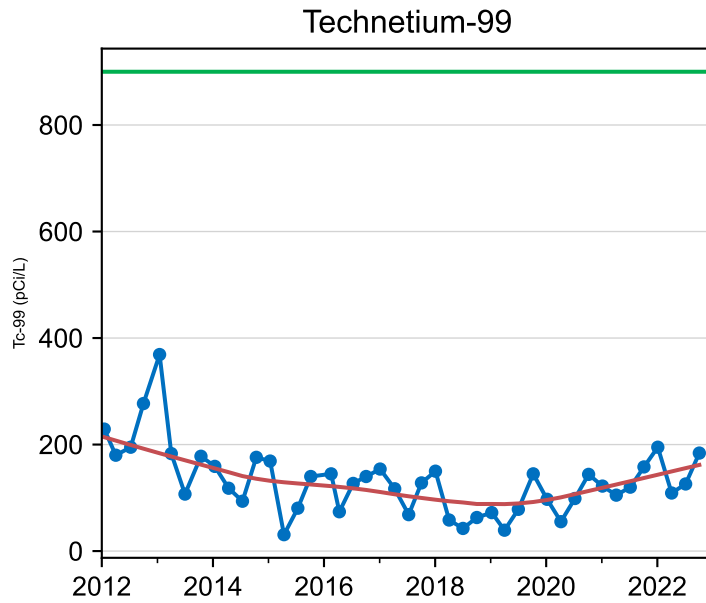


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/17/2012	229.0	1600.0 J
04/02/2012	180.0	290.0
07/09/2012	195.0	700.0
10/10/2012	277.0	1300.0 J
01/15/2013	369.0	1700.0
04/02/2013	183.0	800.0
07/01/2013	107.0	410.0
10/14/2013	178.0	600.0
01/13/2014	159.0	1100.0
04/14/2014	118.0	394.0
07/14/2014	93.6	447.0
10/13/2014	176.0	709.0
01/12/2015	169.0	797.0
04/13/2015	30.8	132.0
07/13/2015	80.5	265.0
10/06/2015	140.0	617.0
02/17/2016	145.0	590.0
04/11/2016	73.8	265.0
07/11/2016	127.0	494.0
10/04/2016	140.0	567.0
01/04/2017	154.0	583.0
04/10/2017	117.0	444.0
07/11/2017	68.4	293.0
10/03/2017	128.0	451.0
01/03/2018	150.0	550.0
04/03/2018	58.3	125.0 J
07/03/2018	42.5	153.0
10/02/2018	63.0	256.0
01/08/2019	72.2	257.0
04/02/2019	39.2	120.0
07/02/2019	78.4	248.0
10/08/2019	145.0	485.0
01/07/2020	97.2	516.0
04/07/2020	55.2	229.0 J
07/08/2020	98.7	438.0
10/06/2020	144.0	553.0
01/05/2021	122.0	623.0
04/06/2021	105.0	327.0
07/07/2021	120.0	452.0
10/05/2021	158.0	557.0
01/04/2022	195.0	629.0
04/05/2022	109.0	370.0
07/06/2022	126.0	349.0
10/04/2022	184.0	388.0



Notes:

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4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

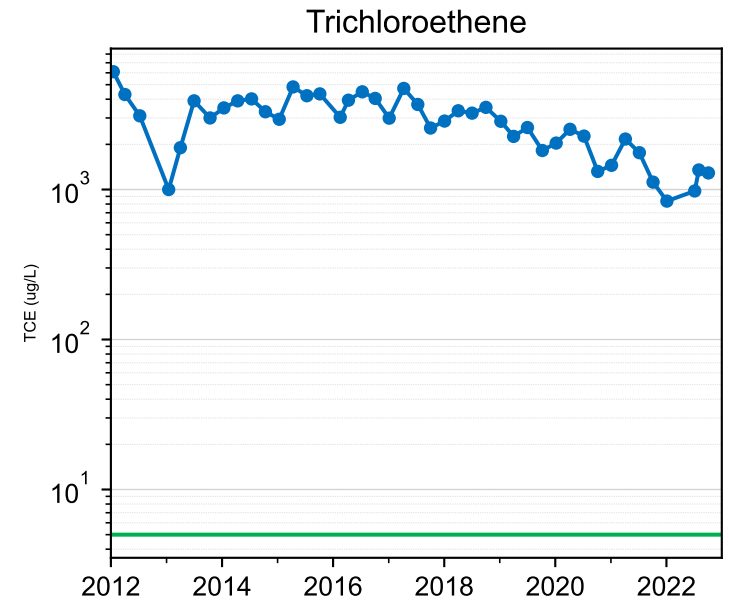
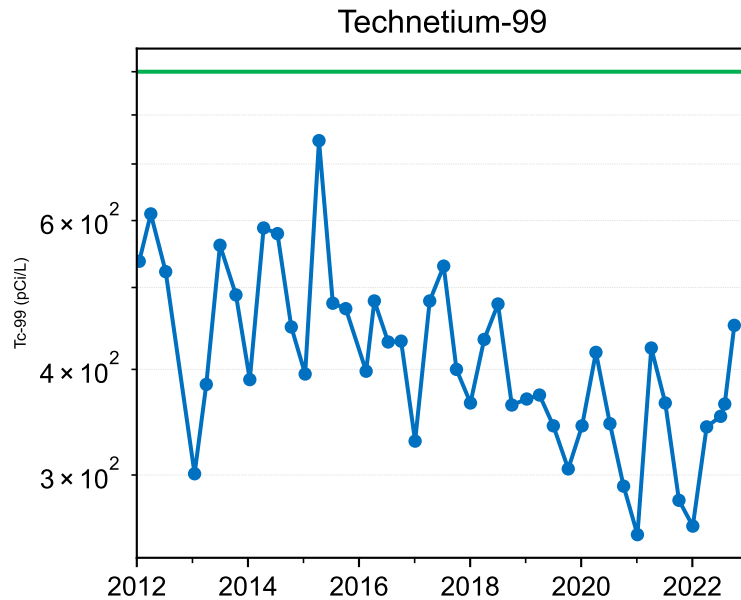
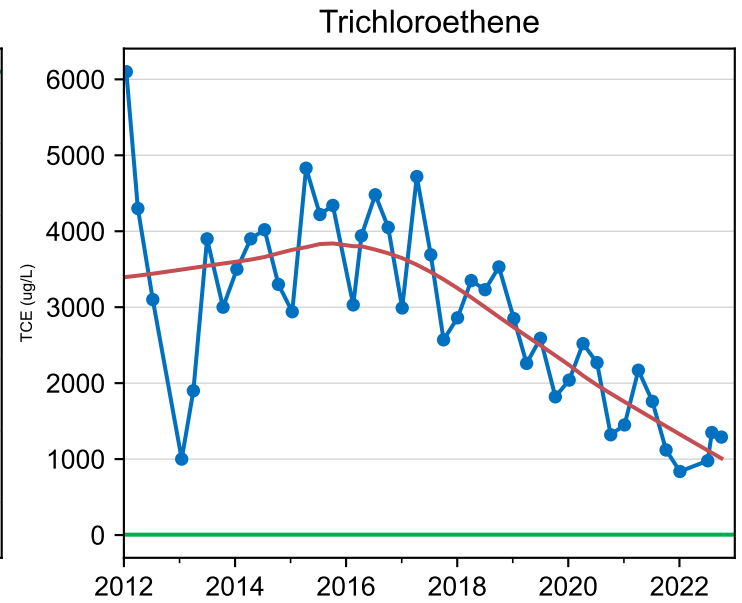
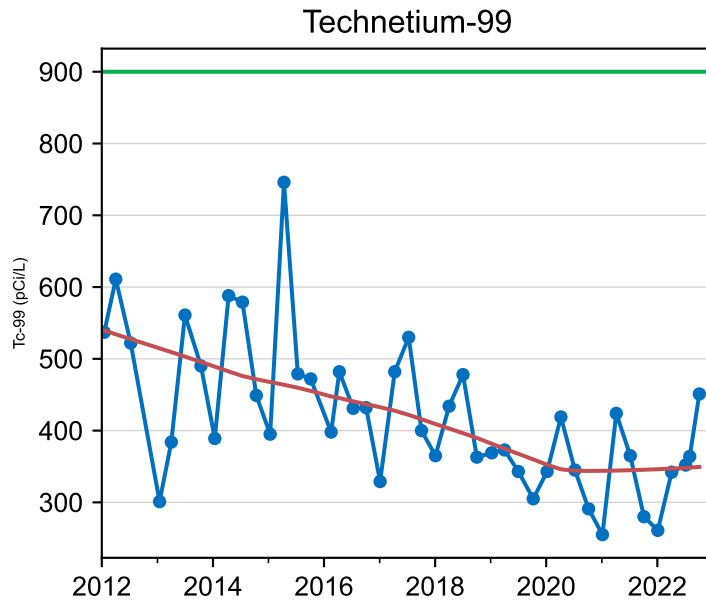
● Data — LOWESS
— MCLs

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Figure 1. Tc-99 and TCE at HV217(EW232) (RGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/17/2012	537.0	6100.0 J
04/02/2012	611.0	4300.0
07/09/2012	522.0	3100.0
01/15/2013	301.0	1000.0
04/02/2013	384.0	1900.0
07/01/2013	561.0	3900.0
10/14/2013	490.0	3000.0
01/13/2014	389.0	3500.0
04/14/2014	588.0	3900.0
07/14/2014	579.0	4020.0
10/13/2014	449.0	3300.0
01/12/2015	395.0	2940.0
04/13/2015	746.0	4830.0
07/13/2015	479.0	4220.0
10/06/2015	472.0	4340.0
02/17/2016	398.0	3030.0
04/11/2016	482.0	3940.0
07/11/2016	431.0	4480.0
10/04/2016	432.0	4050.0
01/04/2017	329.0	2990.0
04/10/2017	482.0	4720.0
07/11/2017	530.0	3690.0
10/03/2017	400.0	2570.0
01/03/2018	365.0	2860.0
04/03/2018	434.0	3350.0 J
07/03/2018	478.0	3230.0
10/02/2018	363.0	3530.0
01/08/2019	369.0	2850.0
04/02/2019	373.0	2260.0
07/02/2019	343.0	2590.0
10/08/2019	305.0	1820.0
01/07/2020	343.0	2040.0
04/07/2020	419.0	2520.0 J
07/08/2020	345.0	2270.0
10/06/2020	291.0	1320.0
01/05/2021	255.0	1450.0
04/06/2021	424.0	2170.0
07/07/2021	365.0	1760.0
10/05/2021	280.0	1120.0
01/04/2022	261.0	837.0
04/05/2022	342.0	
07/06/2022	352.0	978.0
08/02/2022	364.0	1350.0
10/04/2022	451.0	1290.0



Notes:

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4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

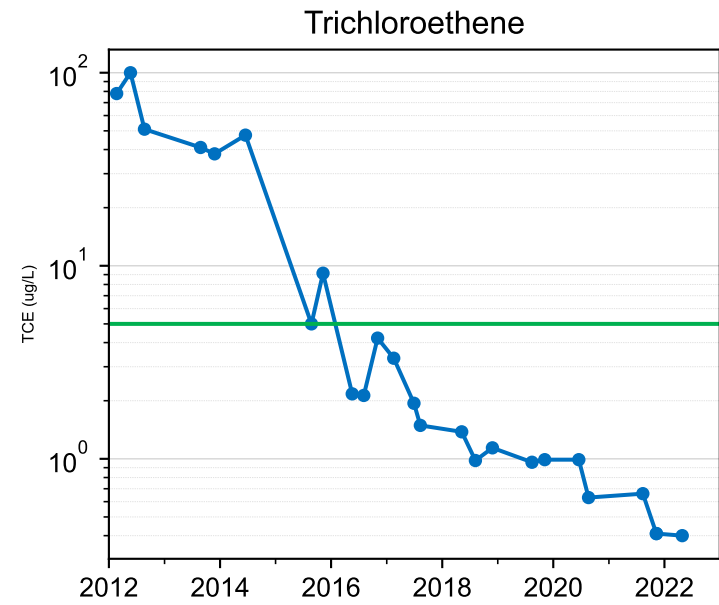
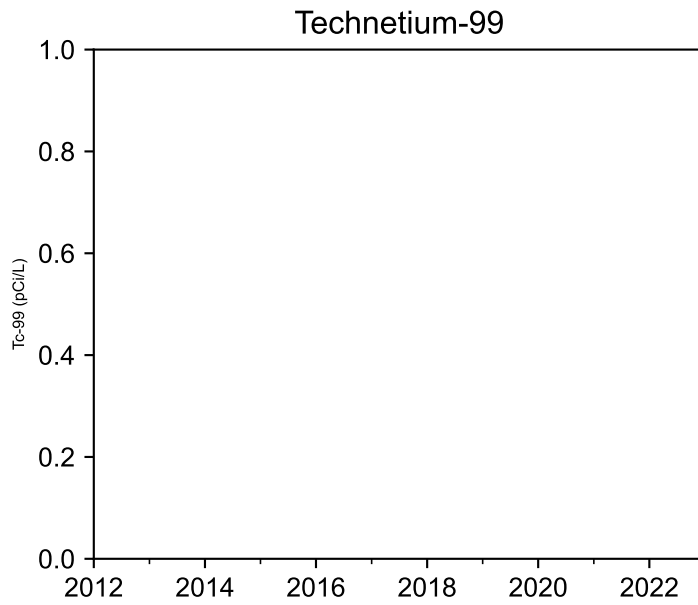
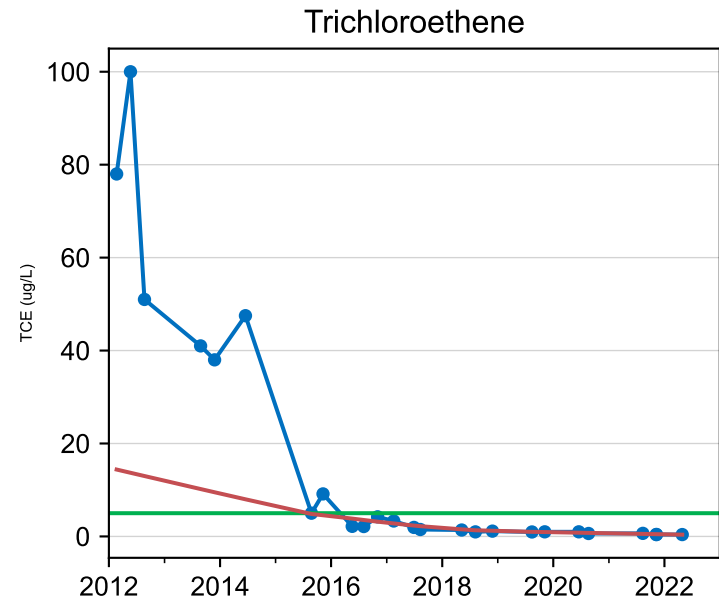
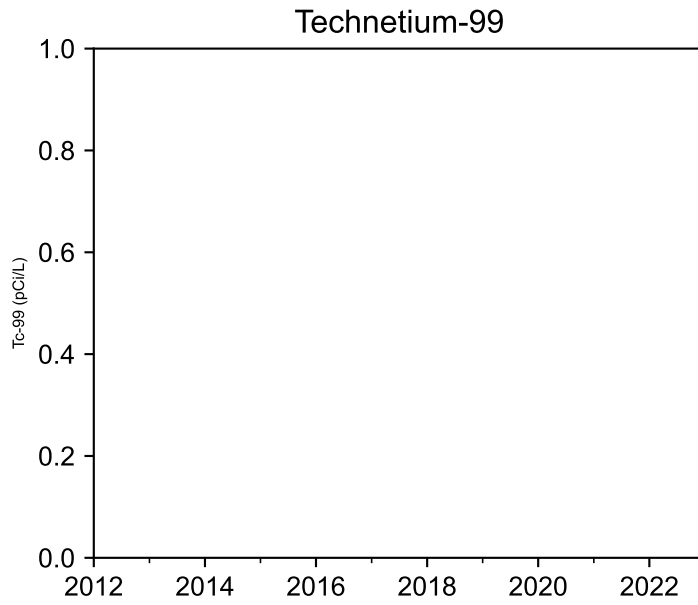
● Data
— LOWESS
— MCLs

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Figure 2. Tc-99 and TCE at HV222(EW233) (RGA)

Sample Date	Trichloroethene (ug/L)
02/21/2012	78.0
05/22/2012	100.0
08/22/2012	51.0 J
08/26/2013	41.0
11/26/2013	38.0
06/17/2014	47.5
08/25/2015	5.0
11/09/2015	9.15
05/19/2016	2.17
08/03/2016	2.13
11/02/2016	4.22
02/16/2017	3.32
06/29/2017	1.94
08/10/2017	1.49
05/09/2018	1.38
08/07/2018	0.98 J
11/27/2018	1.14
08/14/2019	0.96 J
11/06/2019	0.99 J
06/17/2020	0.99 J
08/20/2020	0.63 J
08/12/2021	0.66 J
11/09/2021	0.41 J
04/28/2022	0.4 J



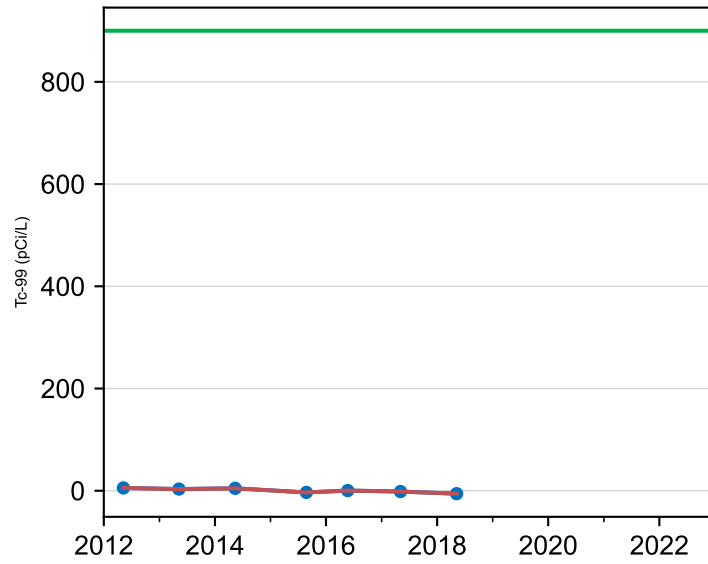
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

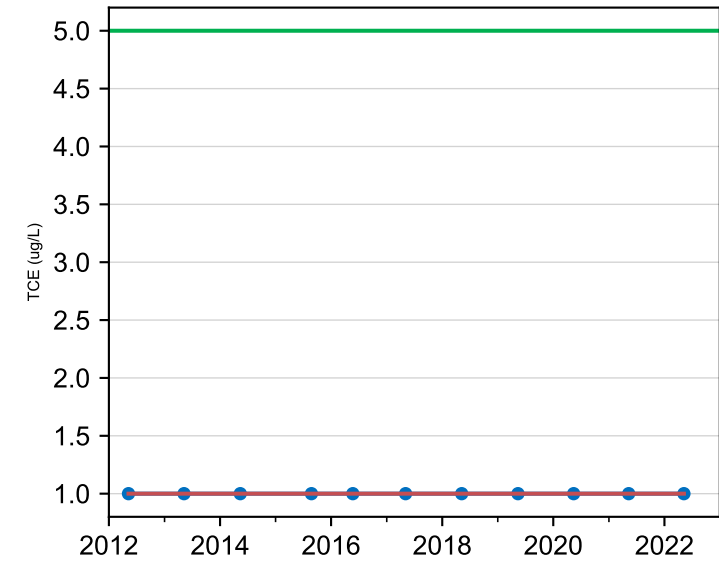
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Figure 3. Tc-99 and TCE at LBCSP5 (Seep)

Technetium-99

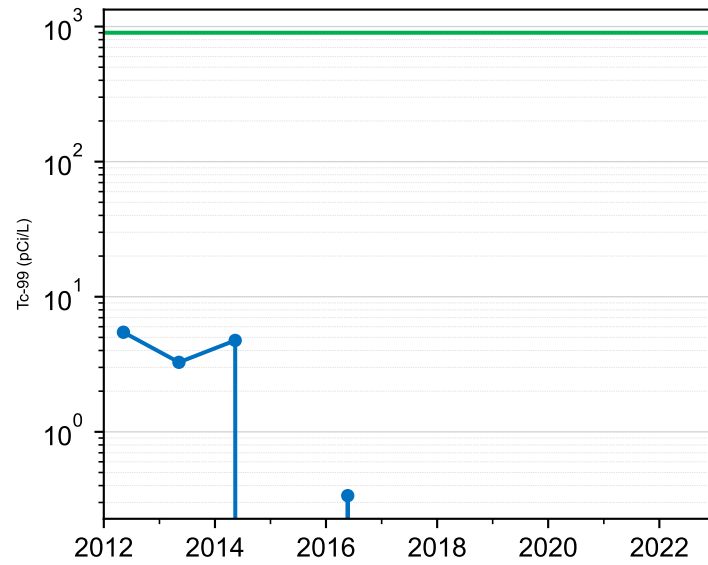


Trichloroethene

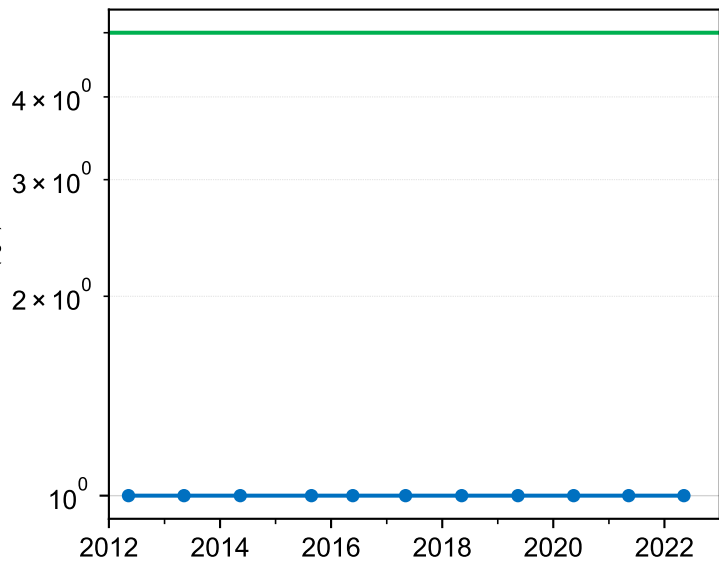


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/09/2012	5.46 U	1.0 U
05/09/2013	3.27 U	1.0 U
05/14/2014	4.75 U	1.0 U
08/25/2015	-3.31 U	1.0 U
05/23/2016	0.337 U	1.0 U
05/05/2017	-1.6 U	1.0 U
05/09/2018	-5.73 U	1.0 U
05/14/2019	1.0 U	1.0 U
05/14/2020	1.0 U	1.0 U
05/11/2021	1.0 U	1.0 U
05/09/2022	1.0 U	1.0 U

Technetium-99



Trichloroethene



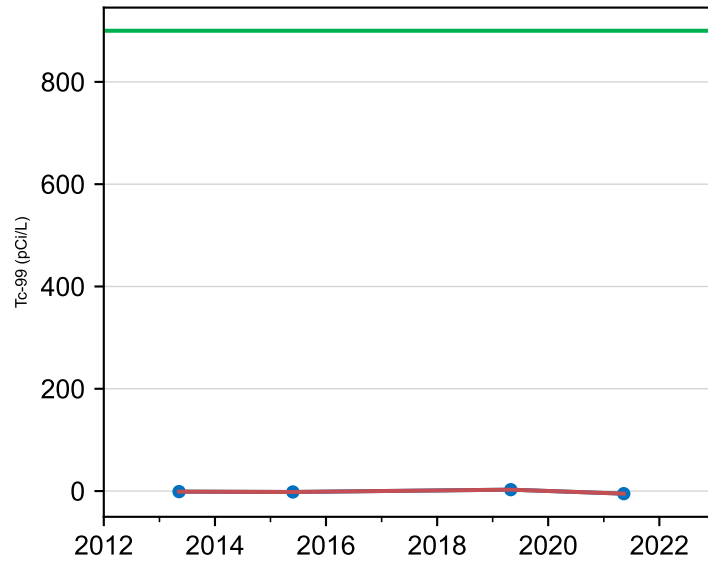
Notes:
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 2. J = Concentration is estimated.
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● Data
 — LOWESS
 — MCLs

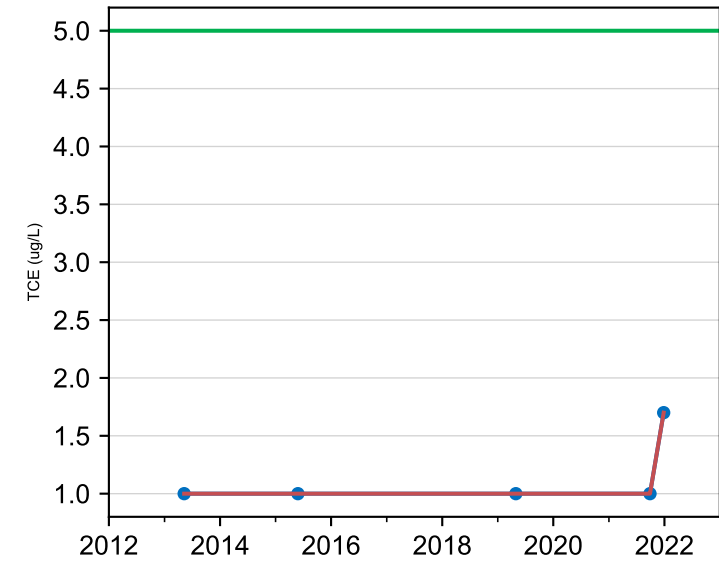
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Figure 4. Tc-99 and TCE at MW100 (LRGA)

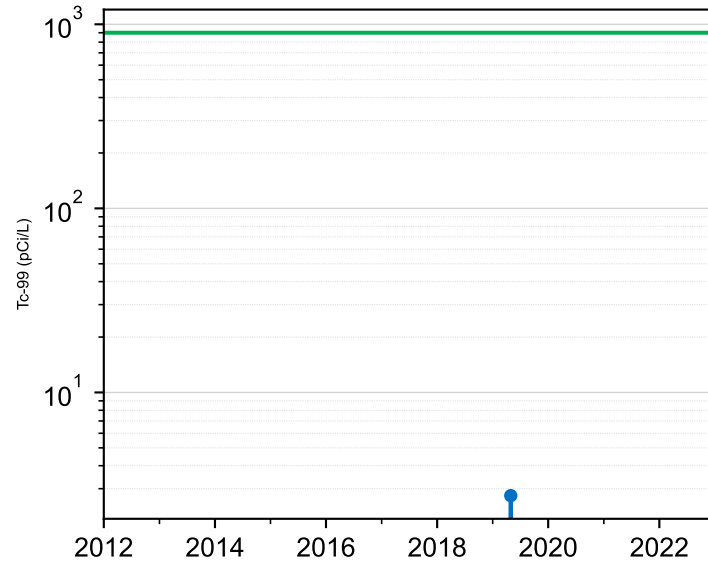
Technetium-99



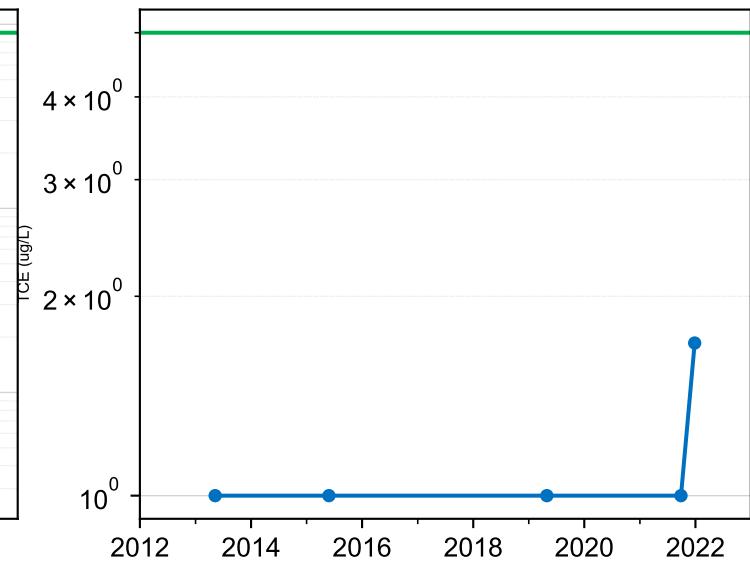
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/10/2013	-1.09 U	1.0 U
05/28/2015	-1.77 U	1.0 U
04/30/2019	2.75 U	1.0 U
05/12/2021	-5.08 U	
09/28/2021		1.0 U
12/27/2021		1.7

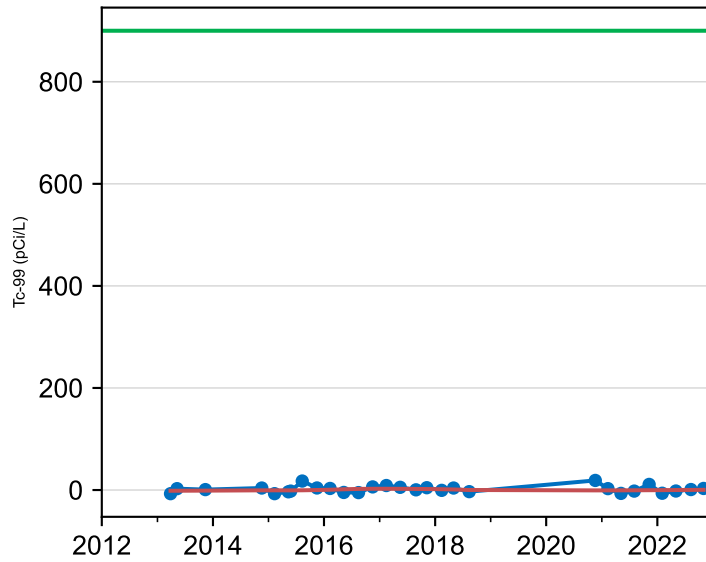
Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

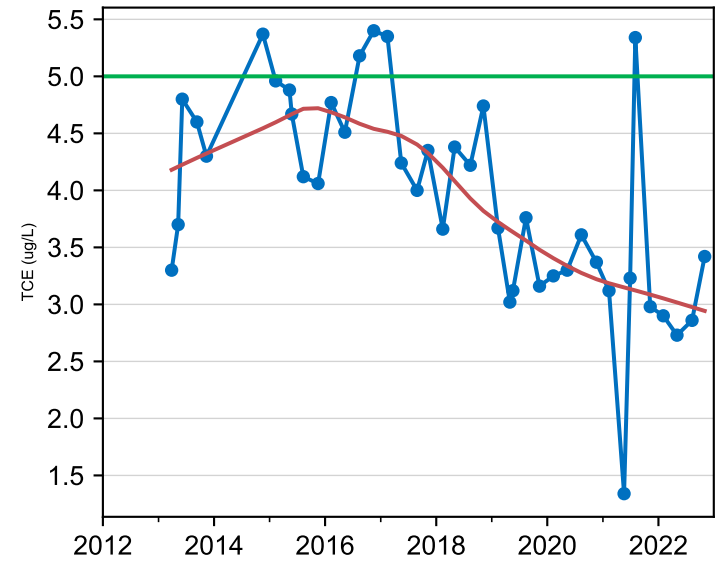
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Figure 5. Tc-99 and TCE at MW103 (MRGA)

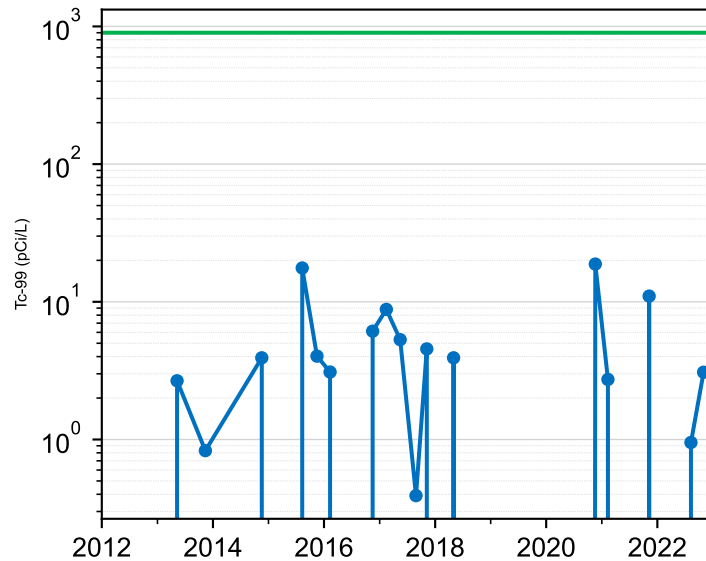
Technetium-99



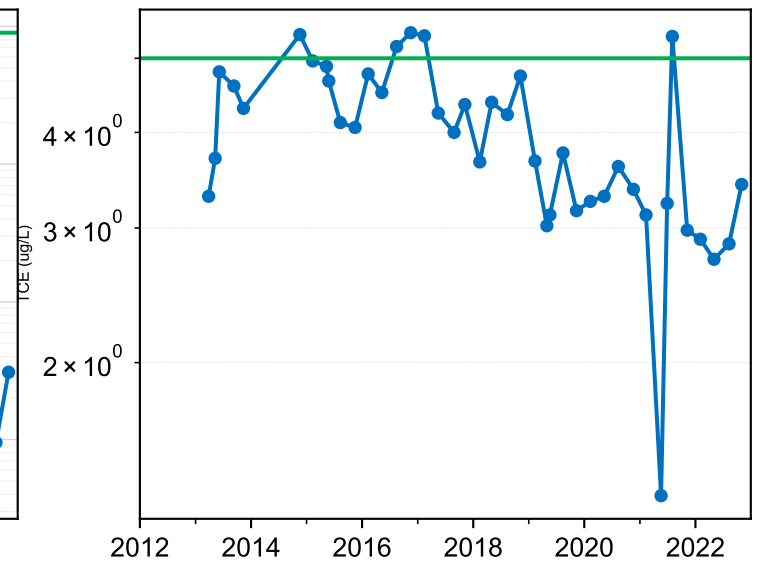
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/28/2013	-7.13 U	3.3
05/10/2013	2.67 U	3.7
06/06/2013		4.8
09/10/2013		4.6 J
11/12/2013	0.83 U	4.3
11/18/2014	3.92 U	5.37
02/10/2015	-7.11 U	4.96
05/12/2015	-3.5 U	4.88
05/27/2015	-2.09 U	4.67
08/11/2015	17.6 U	4.12
11/16/2015	4.03 U	4.06
02/10/2016	3.09 U	4.77
05/10/2016	-4.73 U	4.51
08/15/2016	-5.03 U	5.18
11/16/2016	6.12 U	5.4
02/14/2017	8.81 U	5.35
05/16/2017	5.31 U	4.24
08/28/2017	0.391 U	4.0
11/07/2017	4.55 U	4.35
02/13/2018	-0.627 U	3.66
05/02/2018	3.92 U	4.38
08/13/2018	-3.18 U	4.22
11/07/2018		4.74
02/11/2019		3.67
04/30/2019		3.02
05/20/2019		3.12
08/14/2019		3.76
11/11/2019		3.16
02/10/2020		3.25
05/11/2020		3.3
08/12/2020		3.61
11/19/2020	18.8 U	3.37
02/10/2021	2.73 U	3.12
05/07/2021	-6.58 U	
05/20/2021		1.34
06/29/2021		3.23
08/02/2021	-2.09 U	5.34
11/08/2021	11.0 U	2.98
02/02/2022	-6.3 U	2.9
05/03/2022	-1.93 U	2.73
08/10/2022	0.951 U	2.86
11/01/2022	3.08 U	3.42

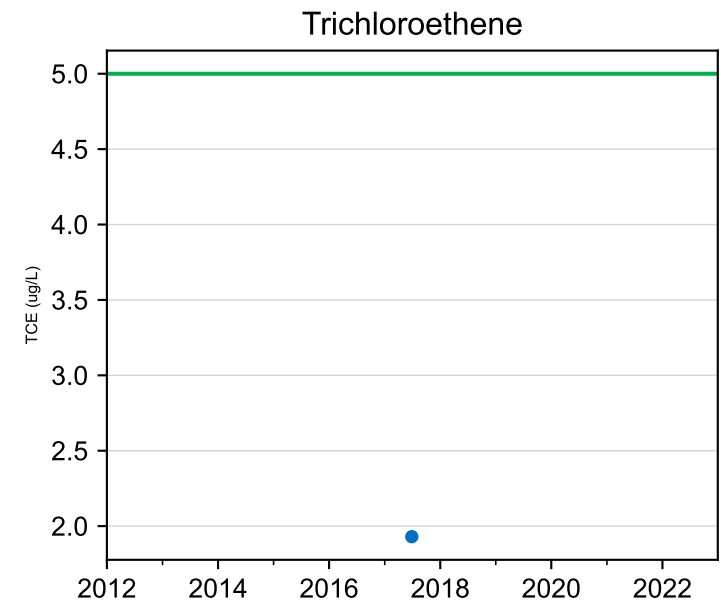
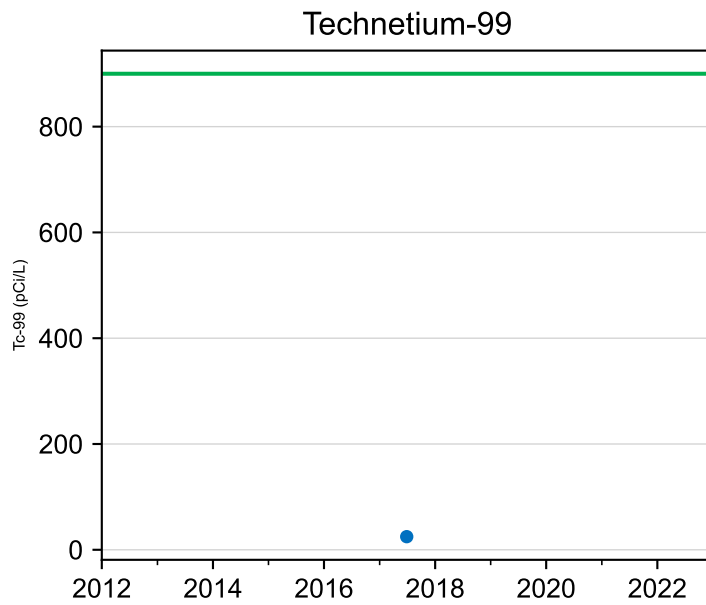
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● Data
— LOWESS
— MCLs

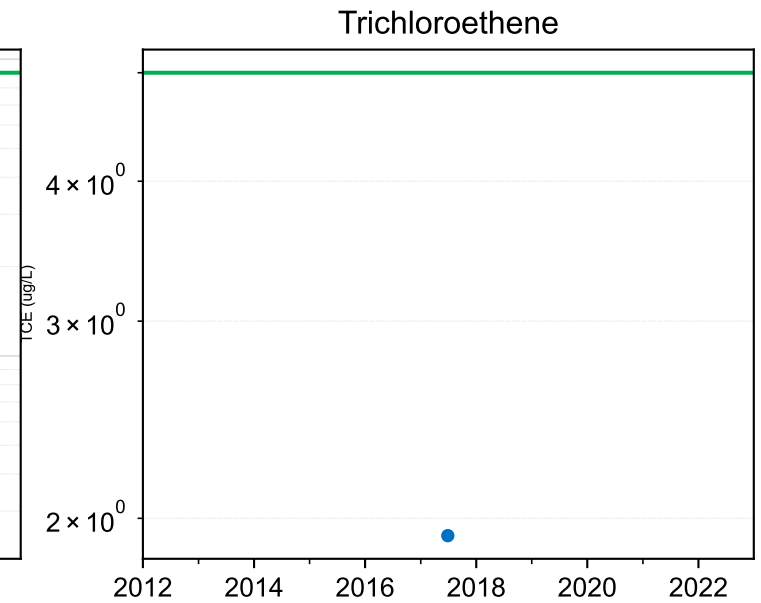
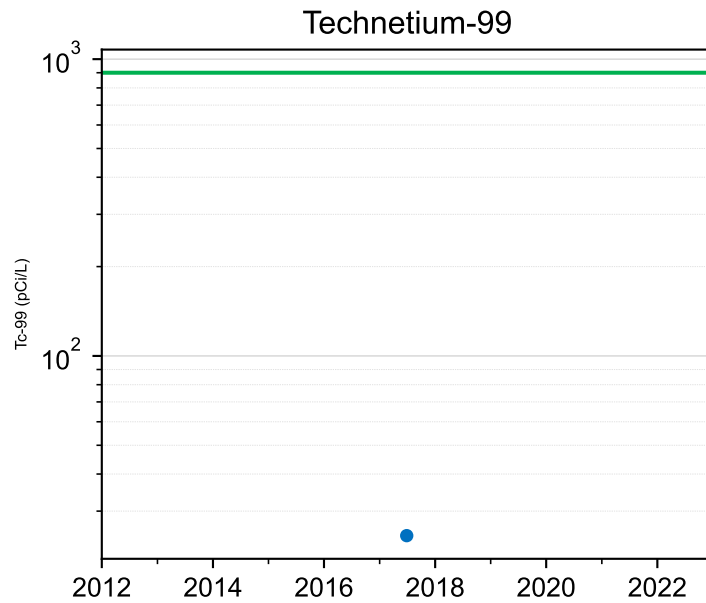
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Figure 6. Tc-99 and TCE at MW106/MW106A (MRGA)



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
06/28/2017	24.8	1.93



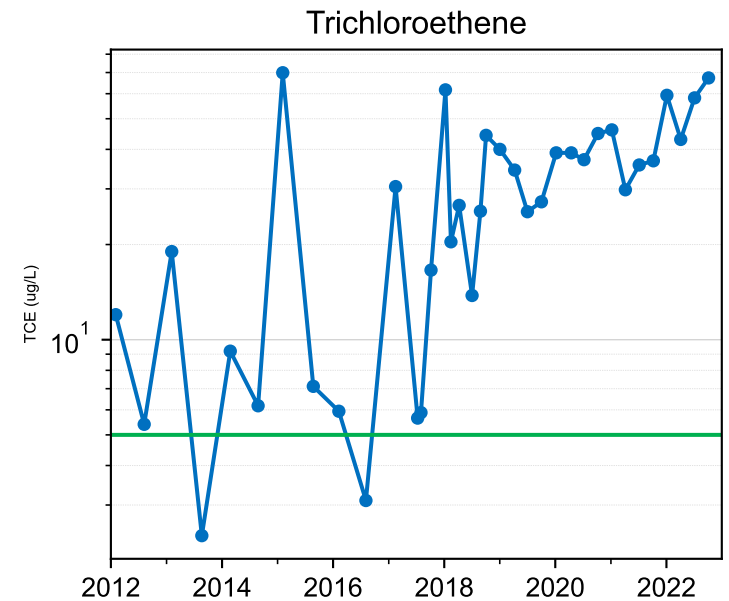
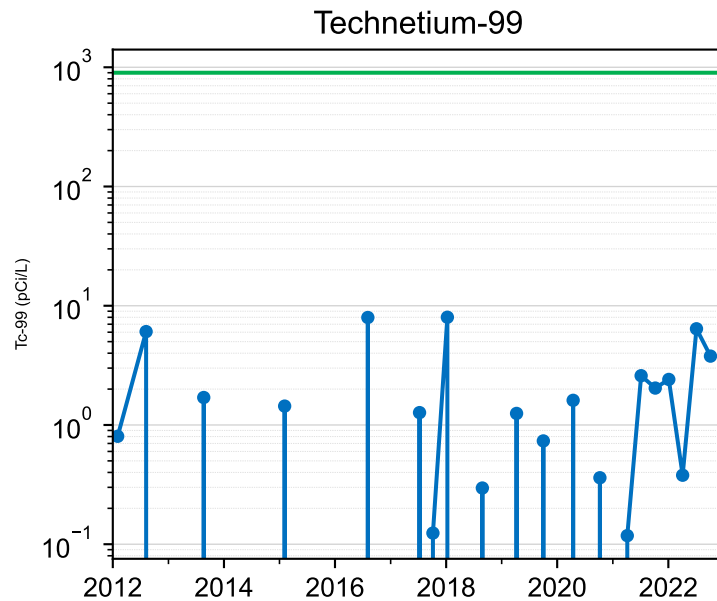
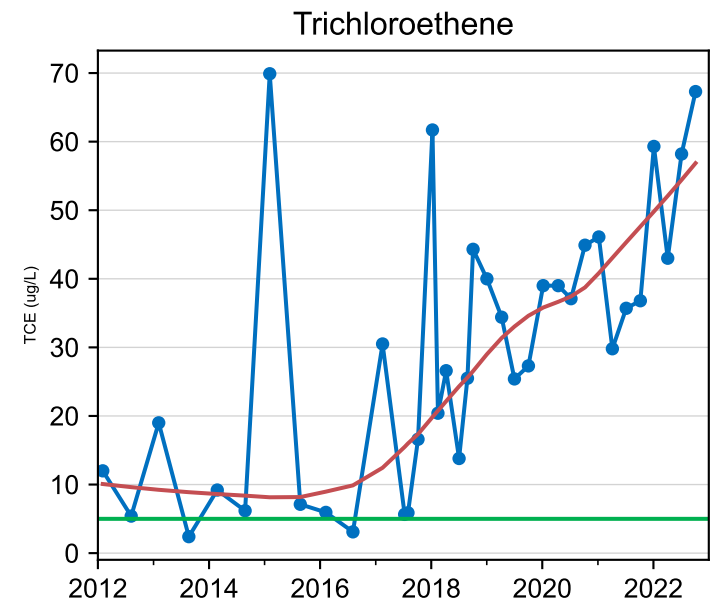
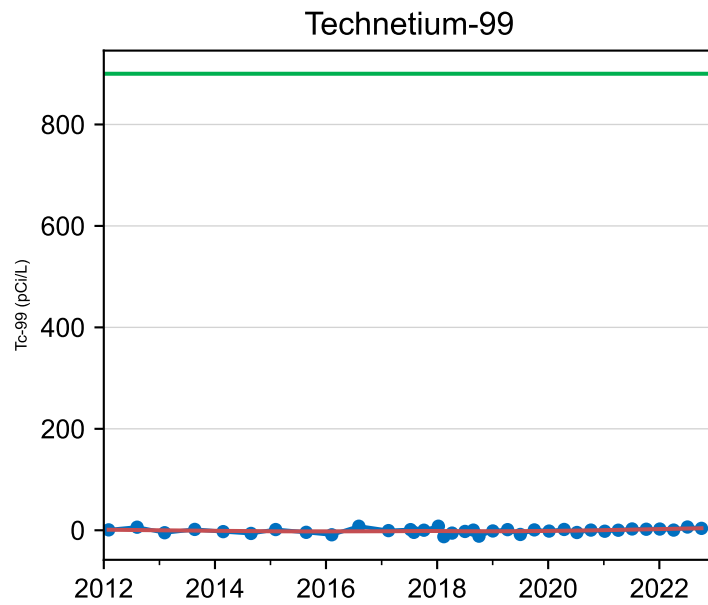
- Notes:
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 2. J = Concentration is estimated.
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● Data
— LOWESS
— MCLs

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Figure 7. Tc-99 and TCE at MW108 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/02/2012	0.804 U	12.0
08/07/2012	6.07 U	5.4 J
02/04/2013	-4.83 U	19.0
08/21/2013	1.7 U	2.4
02/24/2014	-2.69 U	9.2
08/26/2014	-6.23 U	6.18
02/04/2015	1.44 U	69.9
08/24/2015	-4.04 U	7.12
02/08/2016	-8.87 U	5.94
08/04/2016	7.97 U	3.1
02/15/2017	-0.649 U	30.5
07/10/2017	1.27 U	5.65
08/01/2017	-4.11 U	5.88
10/06/2017	0.124 U	16.6
01/09/2018	8.01 U	61.7
02/14/2018	-12.6 U	20.4
04/09/2018	-5.57 U	26.6
07/03/2018	-2.31 U	13.8
08/27/2018	0.296 U	25.5
10/03/2018	-11.6 U	44.3
01/02/2019	-1.35 U	40.0
04/09/2019	1.25 U	34.4
07/02/2019	-8.24 U	25.4
10/02/2019	0.735 U	27.3
01/07/2020	-1.59 U	39.0
04/15/2020	1.61 U	39.0
07/08/2020	-4.38 U	37.1
10/08/2020	0.361 U	44.9
01/07/2021	-1.89 U	46.1
04/06/2021	0.118 U	29.8
07/06/2021	2.59 U	35.7
10/07/2021	2.04 U	36.8
01/04/2022	2.41 U	59.3
04/05/2022	0.379 U	43.0
07/05/2022	6.41 U	58.2
10/05/2022	3.78 U	67.3



Notes:

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2. J = Concentration is estimated.
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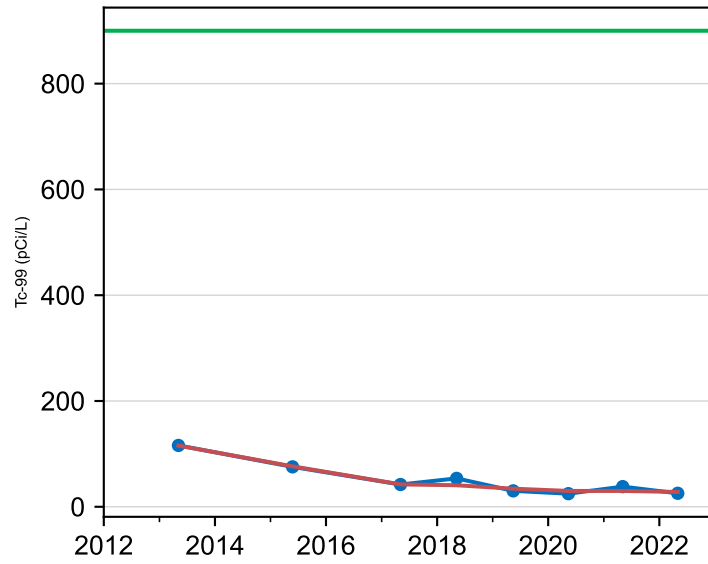
● Data — LOWESS
— MCLs

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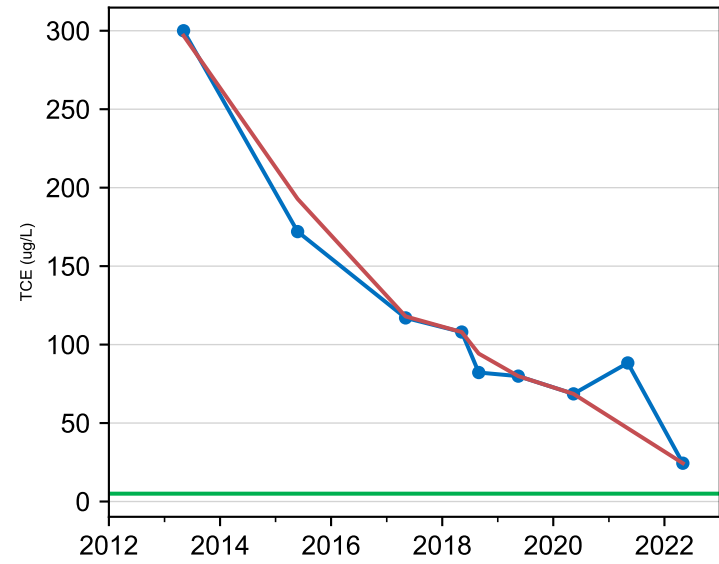
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Figure 8. Tc-99 and TCE at MW124 (LRGA)

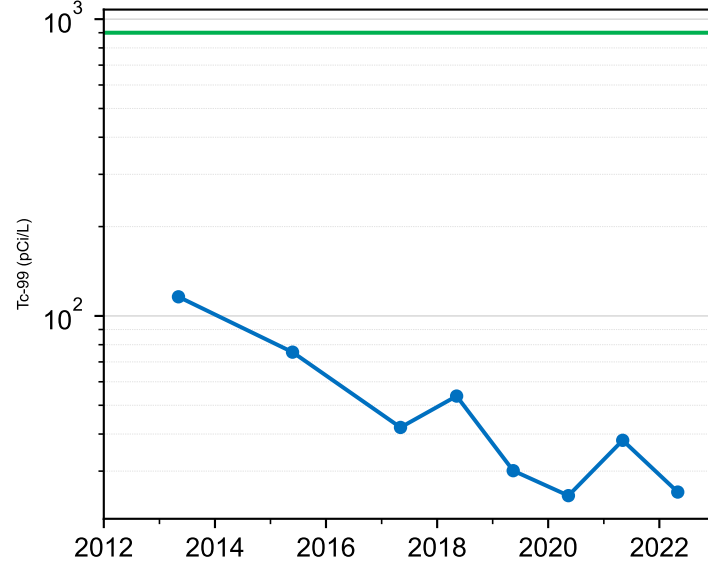
Technetium-99



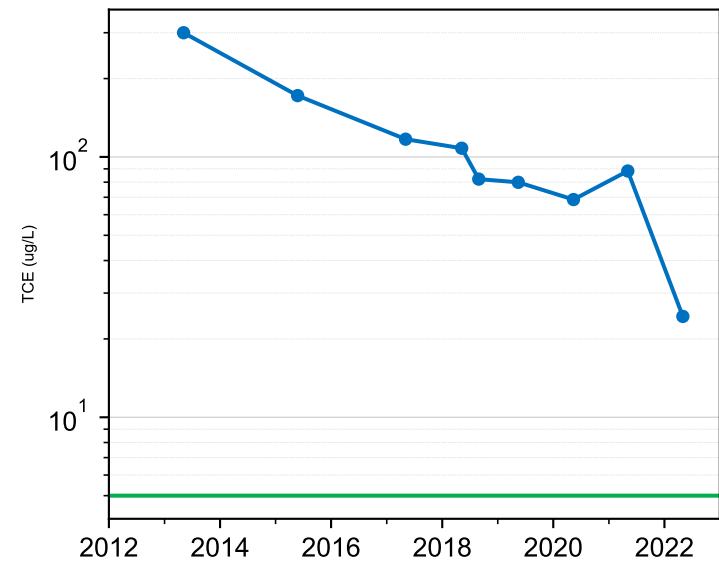
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/06/2013	116.0	300.0 J
05/26/2015	75.5	172.0
05/05/2017	42.1	117.0
05/09/2018	53.7	108.0 J
08/29/2018		82.2
05/16/2019	30.1	79.9
05/13/2020	24.8	68.6
05/05/2021	38.1	88.3
05/02/2022	25.5	24.4

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

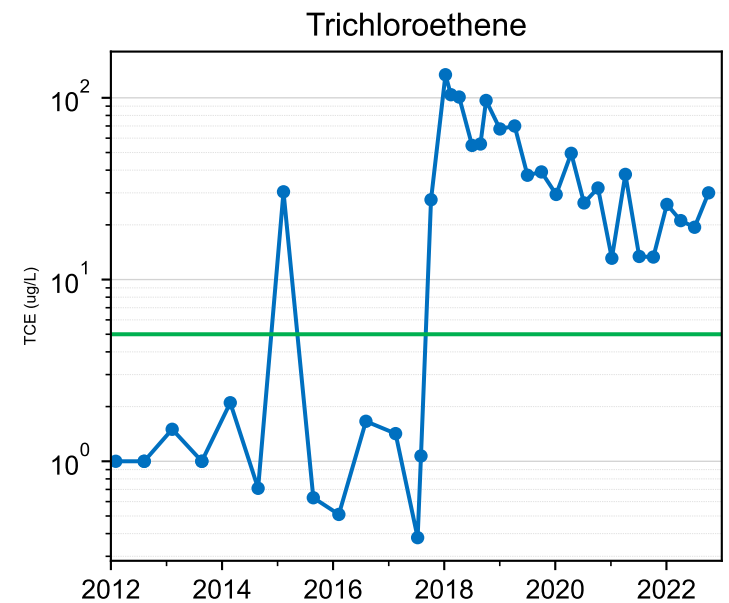
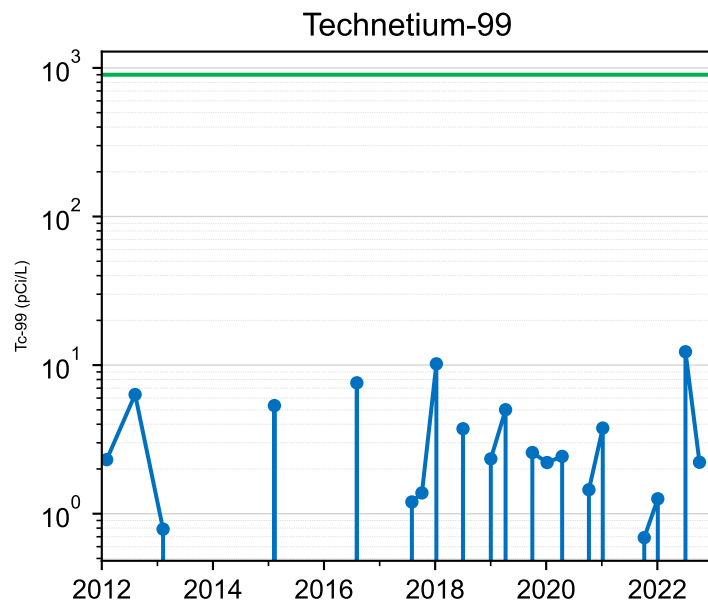
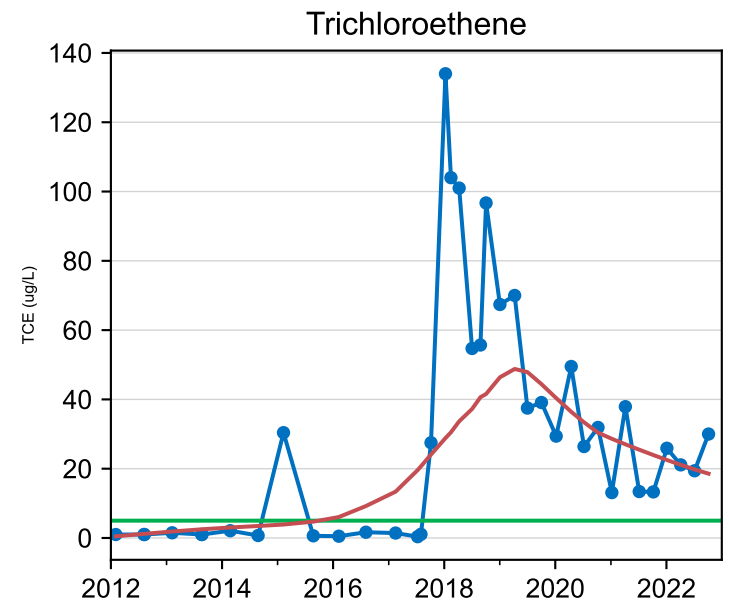
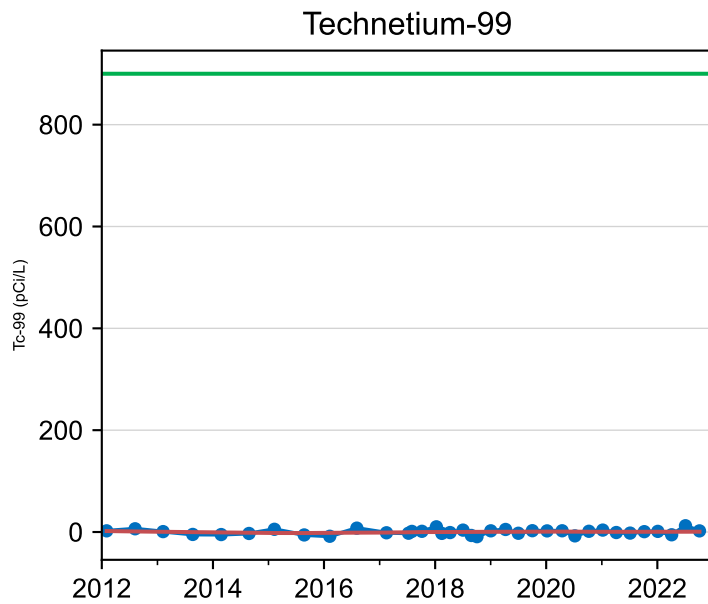
● Data
 — LOWESS
 — MCLs

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Figure 9. Tc-99 and TCE at MW125 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/02/2012	2.31 U	1.0 U
08/07/2012	6.34 U	1.0 UJ
02/07/2013	0.787 U	1.5
08/21/2013	-4.75 U	1.0 U
02/24/2014	-5.0 U	2.1
08/26/2014	-2.86 U	0.71 J
02/09/2015	5.34 U	30.4
08/24/2015	-5.75 U	0.63 J
02/08/2016	-8.34 U	0.51 J
08/04/2016	7.6 U	1.66
02/15/2017	-1.5 U	1.42
07/10/2017	-2.35 U	0.38 J
08/01/2017	1.2 U	1.07
10/06/2017	1.38 U	27.5
01/09/2018	10.2 U	134.0
02/14/2018	-2.67 U	104.0
04/09/2018	-1.07 U	101.0
07/03/2018	3.73 U	54.7
08/27/2018	-6.78 U	55.7
10/03/2018	-9.14 U	96.7
01/02/2019	2.34 U	67.4
04/09/2019	5.01 U	70.0
07/02/2019	-2.45 U	37.5
10/02/2019	2.58 U	39.1
01/07/2020	2.21 U	29.4
04/15/2020	2.43 U	49.5
07/08/2020	-7.56 U	26.4
10/08/2020	1.45 U	31.9
01/07/2021	3.77 U	13.1
04/06/2021	-0.998 U	37.9
07/06/2021	-2.13 U	13.4
10/07/2021	0.69 U	13.3
01/04/2022	1.26 U	25.9
04/05/2022	-5.43 U	21.1
07/05/2022	12.3 U	19.4
10/05/2022	2.22 U	30.0



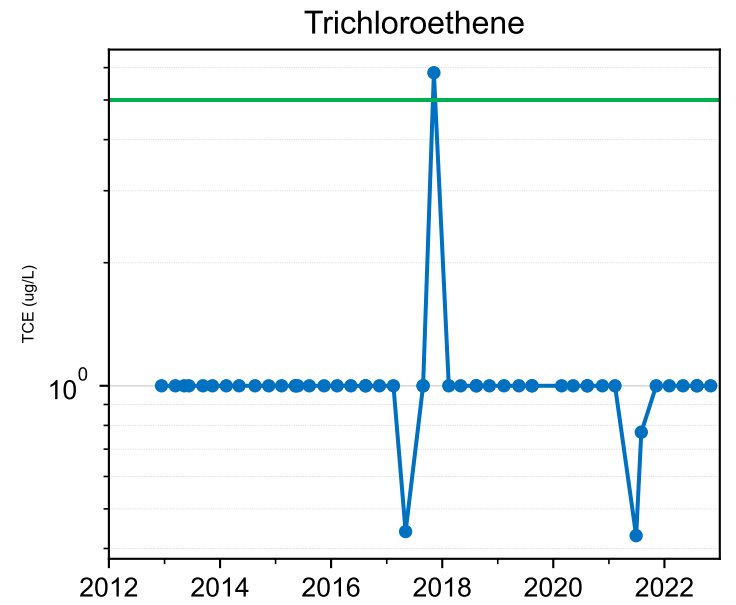
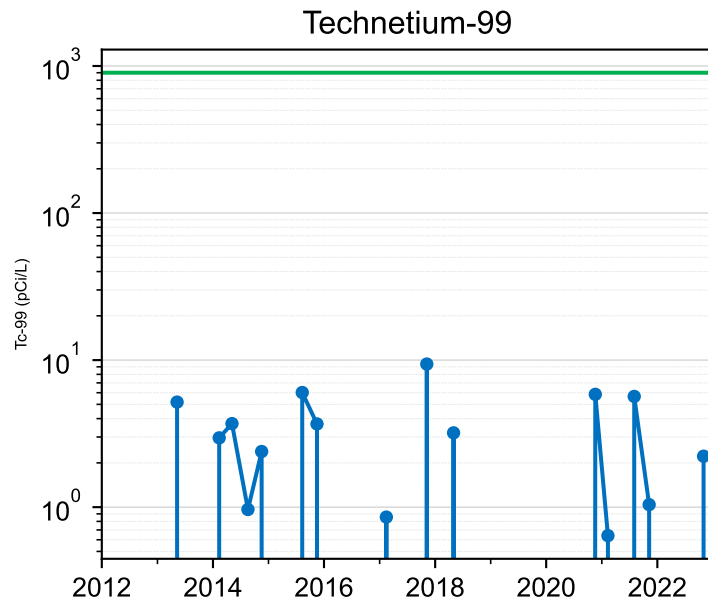
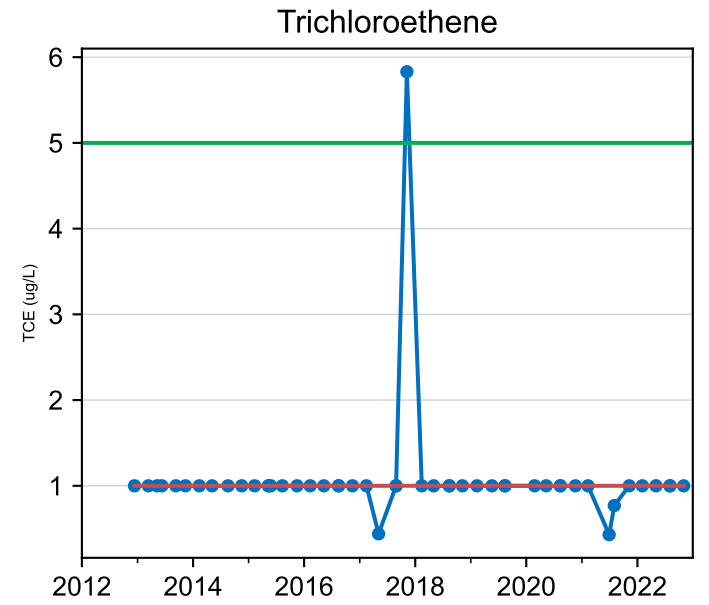
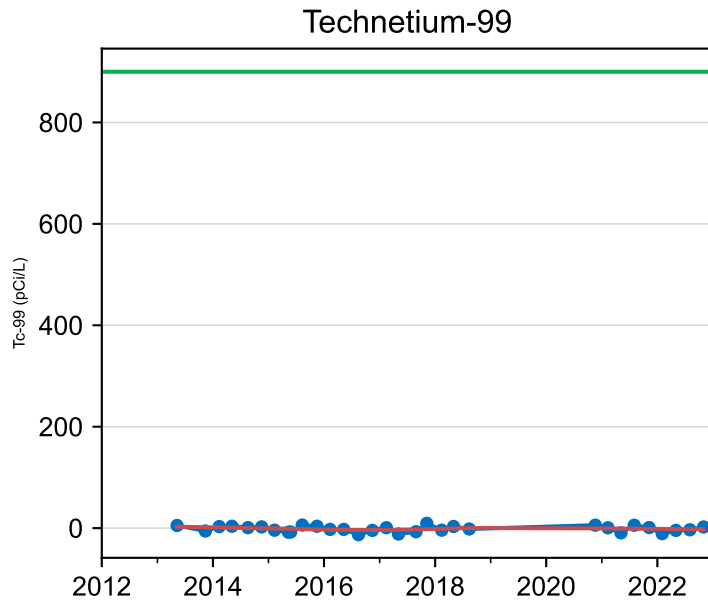
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

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Figure 10. Tc-99 and TCE at MW126 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/12/2012		1.0 U
03/13/2013		1.0 U
05/10/2013	5.18 U	1.0 U
08/10/2013		1.0 U
09/10/2013		1.0 UJ
11/12/2013	-5.65 U	1.0 U
02/11/2014	2.96 U	1.0 U
05/06/2014	3.7 U	1.0 U
08/19/2014	0.964 U	1.0 U
11/17/2014	2.39 U	1.0 U
02/10/2015	-4.06 U	1.0 U
05/12/2015	-7.99 U	1.0 U
05/27/2015	-7.61 U	1.0 U
08/11/2015	6.02 U	1.0 U
11/16/2015	3.68 U	1.0 U
02/10/2016	-2.53 U	1.0 U
05/10/2016	-2.52 U	1.0 U
08/15/2016	-12.9 U	1.0 U
11/14/2016	-4.47 U	1.0 U
02/14/2017	0.856 U	1.0 U
05/05/2017	-11.6 U	0.44 J
08/28/2017	-7.09 U	1.0 U
11/07/2017	9.4 U	5.83
02/13/2018	-4.07 U	1.0 U
05/02/2018	3.2 U	1.0 U
08/13/2018	-1.74 U	1.0 U
11/07/2018		1.0 U
02/11/2019		1.0 U
05/20/2019		1.0 U
08/14/2019		1.0 U
02/25/2020		1.0 U
05/11/2020		1.0 U
08/12/2020		1.0 U
11/19/2020	5.85 U	1.0 U
02/10/2021	0.64 U	1.0 U
05/07/2021	-9.33 U	
06/29/2021		0.43 J
08/02/2021	5.66 U	0.77 J
11/08/2021	1.04 U	1.0 U
02/02/2022	-10.9 U	1.0 U
05/03/2022	-4.48 U	1.0 U
08/03/2022	-3.28 U	1.0 U
11/01/2022	2.22 U	1.0 U



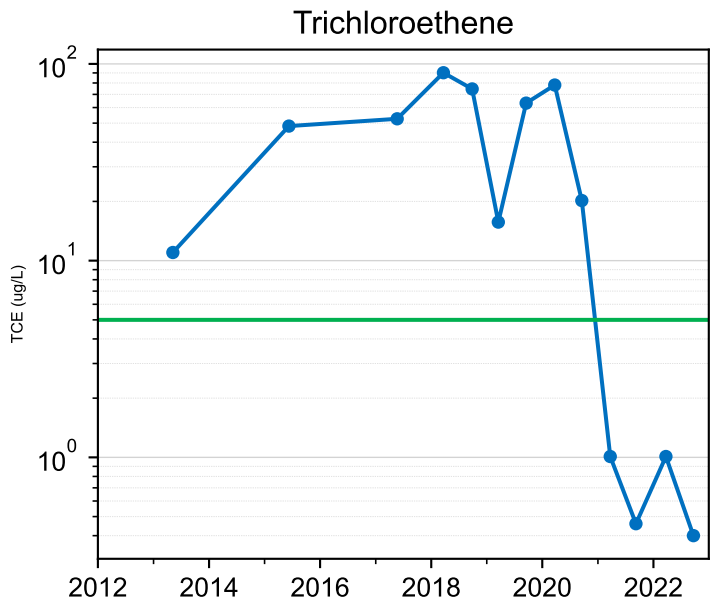
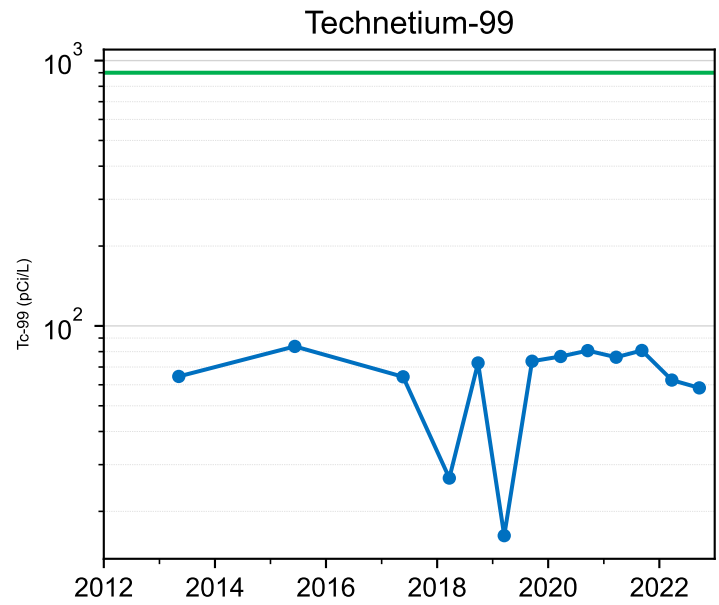
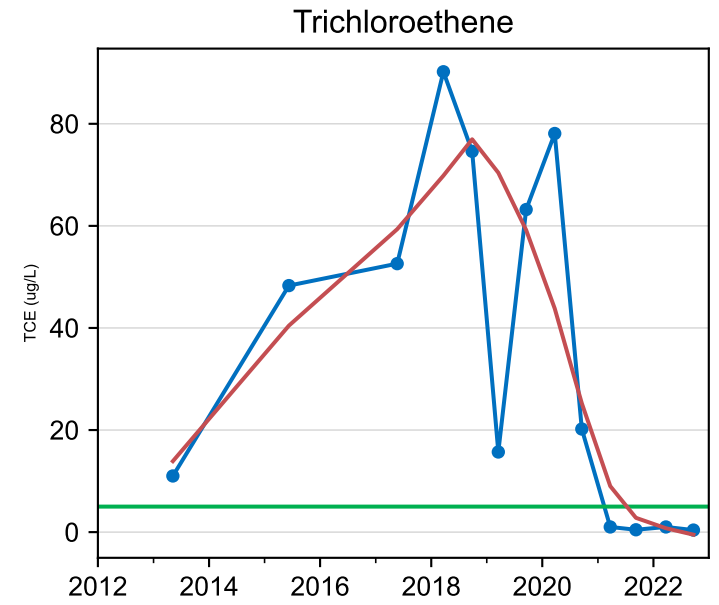
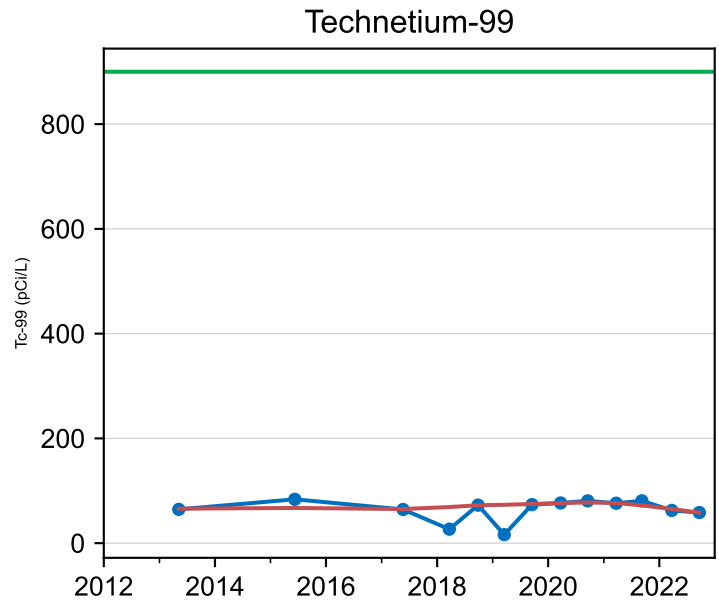
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 11. Tc-99 and TCE at MW134 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/08/2013	64.5	11.0
06/10/2015	83.7	48.3
05/22/2017	64.3	52.6
03/22/2018	26.7	90.2
09/27/2018	72.5	74.6
03/18/2019	16.2 U	15.7
09/17/2019	73.6	63.2
03/23/2020	76.7	78.1
09/17/2020	80.7	20.2
03/23/2021	76.2	1.01
09/08/2021	80.8	0.46 J
03/24/2022	62.5	1.01
09/21/2022	58.4	0.4 J



Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

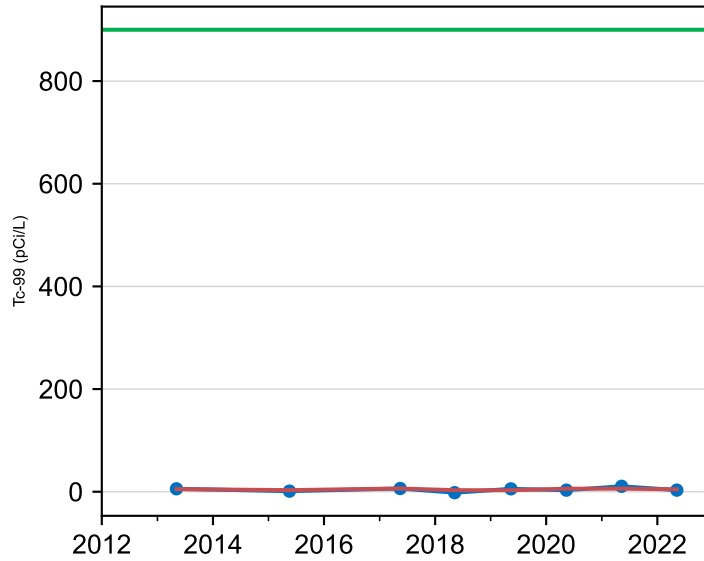
● Data
 — LOWESS
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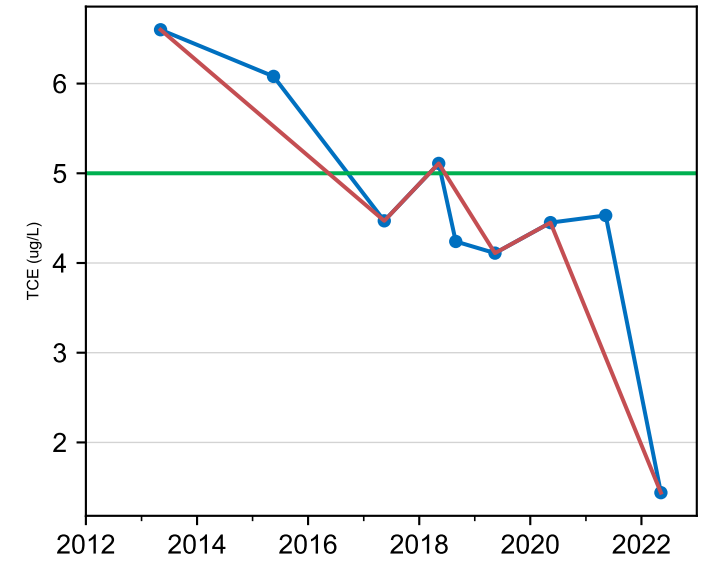


Figure 12. Tc-99 and TCE at MW135 (LRGA)

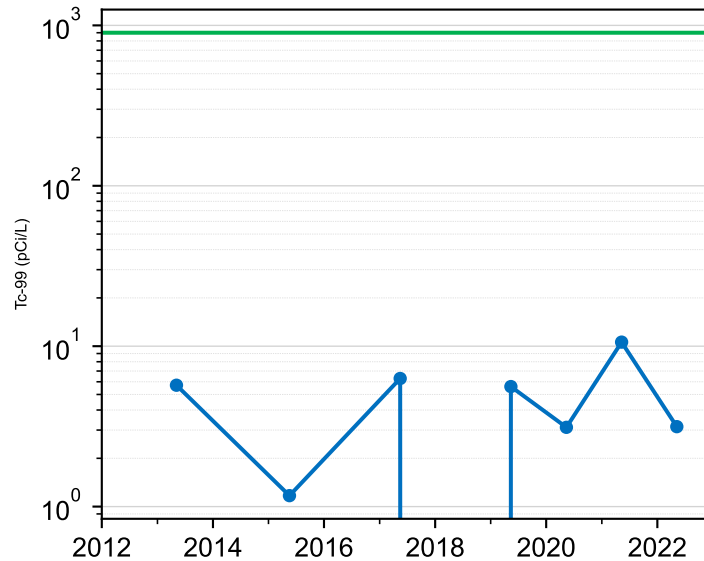
Technetium-99



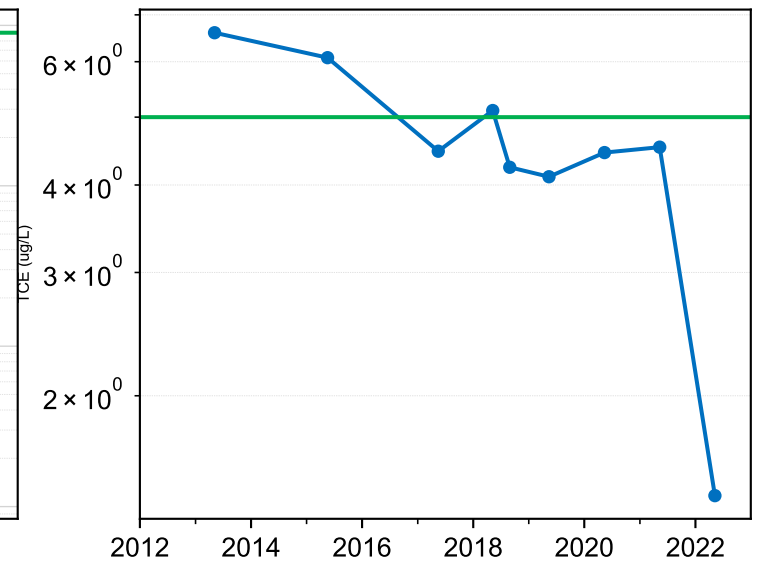
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/06/2013	5.71 U	6.6
05/19/2015	1.17 U	6.08
05/16/2017	6.29 U	4.47
05/09/2018	-1.81 U	5.11 J
08/29/2018		4.24
05/14/2019	5.6 U	4.11
05/13/2020	3.12 U	4.45
05/11/2021	10.6 U	4.53
05/09/2022	3.15 U	1.44

Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

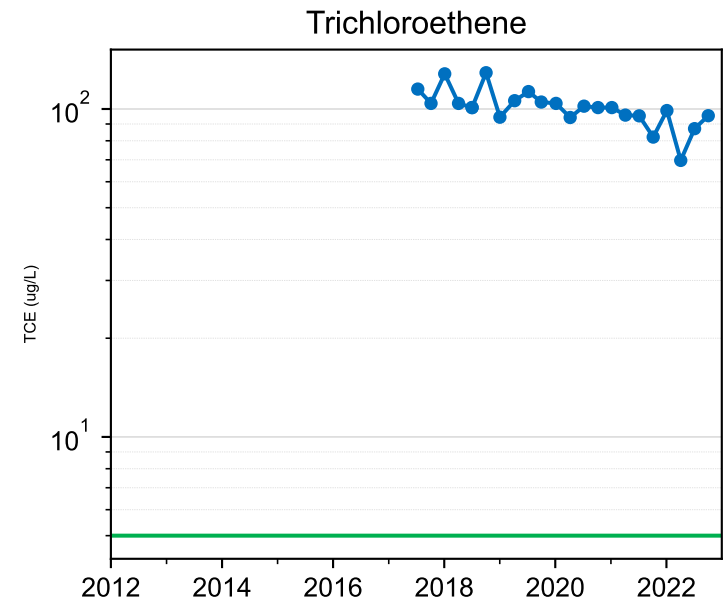
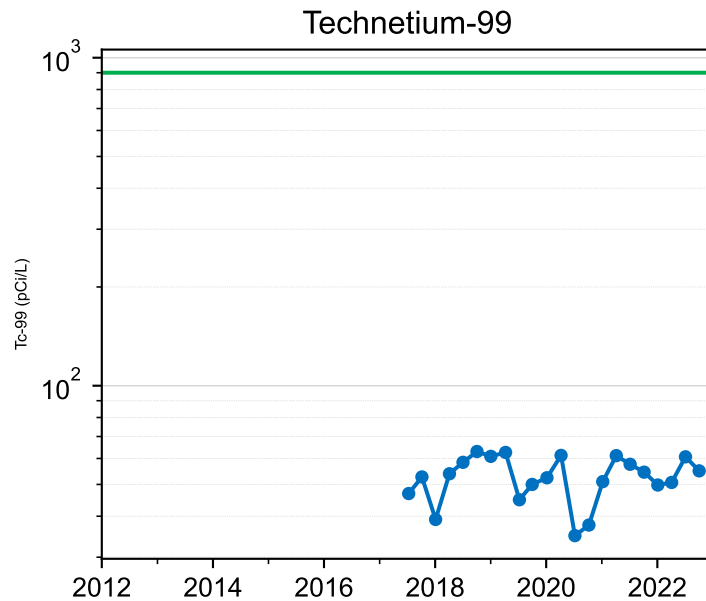
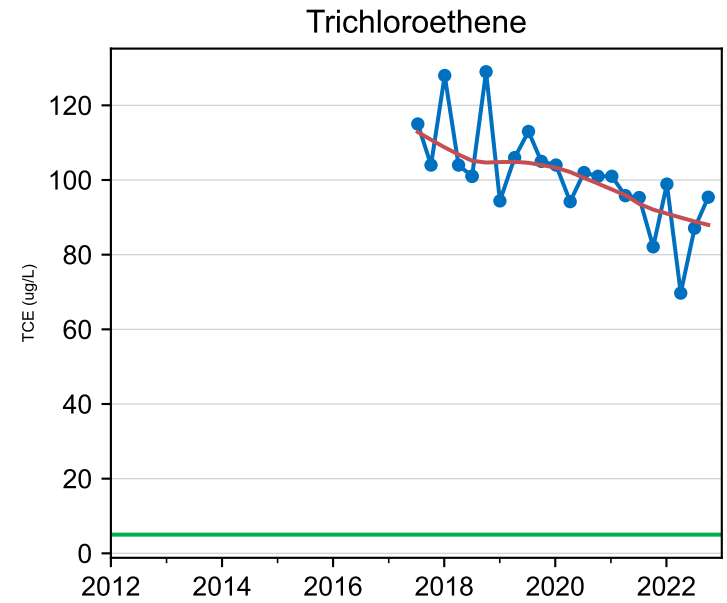
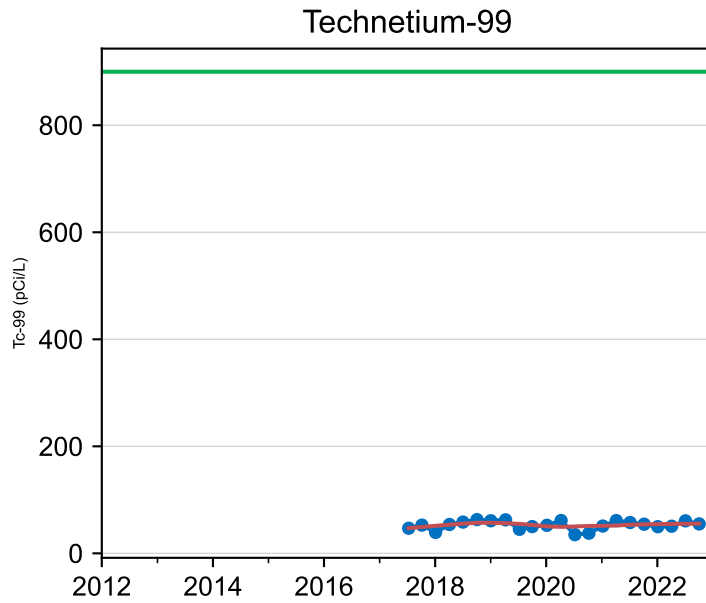
● Data
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Figure 13. Tc-99 and TCE at MW139 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
07/11/2017	46.9	115.0
10/06/2017	52.7	104.0
01/04/2018	39.1	128.0
04/05/2018	53.9	104.0
07/03/2018	58.4	101.0
10/03/2018	63.0	129.0
01/02/2019	60.9	94.4
04/09/2019	62.6	106.0
07/09/2019	44.9	113.0
10/01/2019	50.0	105.0
01/06/2020	52.4	104.0
04/08/2020	61.3	94.2
07/08/2020	34.9	102.0
10/08/2020	37.6	101.0
01/07/2021	51.0	101.0
04/06/2021	61.2	95.8
07/06/2021	57.6	95.3
10/06/2021	54.5	82.1
01/04/2022	49.8	98.9
04/05/2022	50.7	69.7
07/05/2022	60.7	87.1
10/03/2022	55.0	95.4



- Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

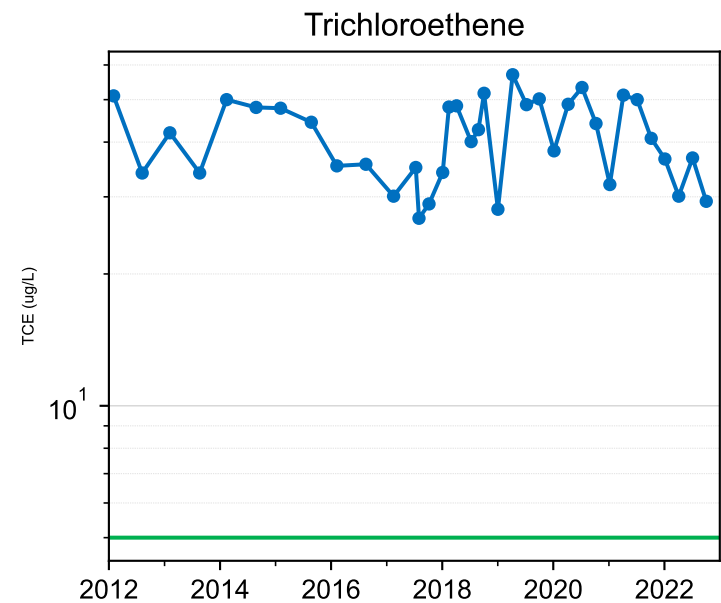
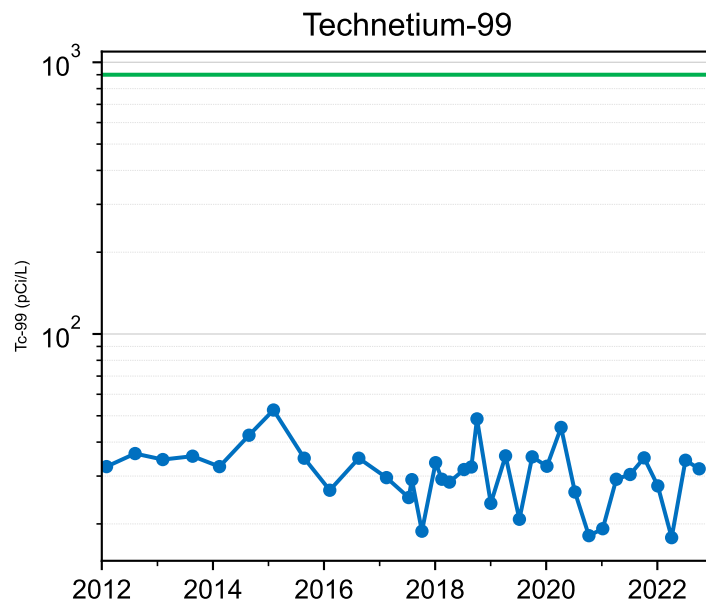
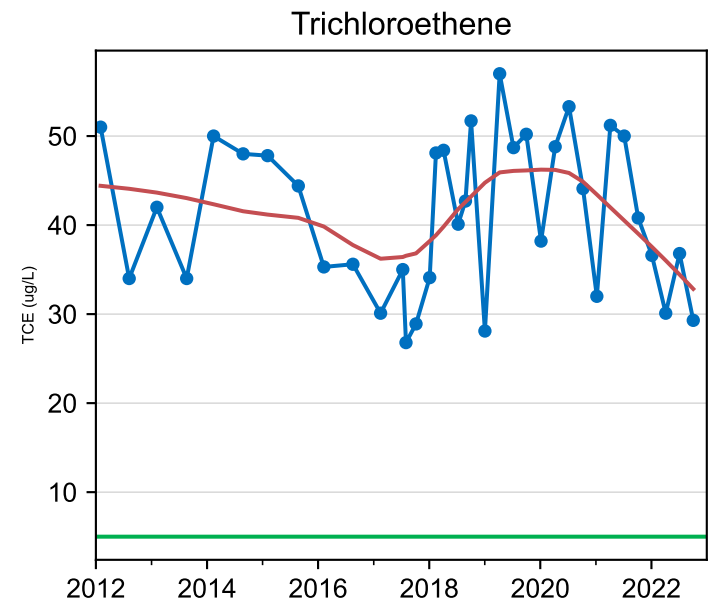
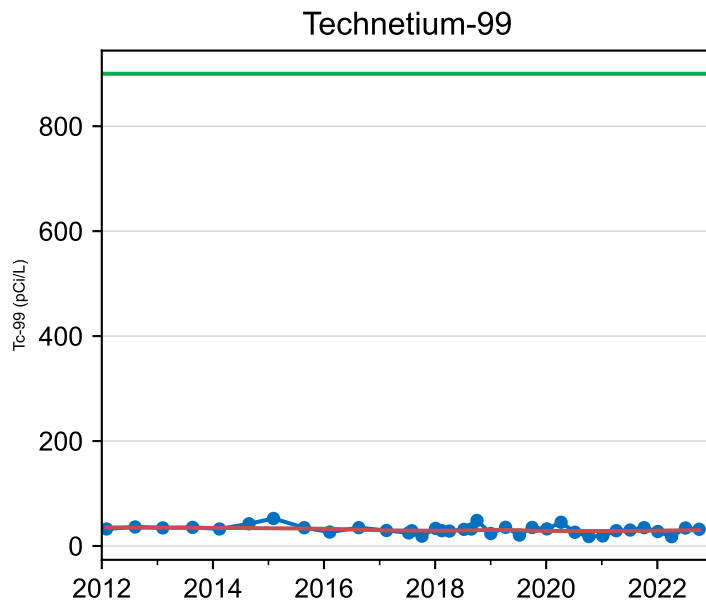
● Data
— LOWESS
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Figure 14. Tc-99 and TCE at MW144 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/01/2012	32.5	51.0
08/07/2012	36.3	34.0 J
02/05/2013	34.5	42.0
08/20/2013	35.5	34.0
02/13/2014	32.5	50.0
08/26/2014	42.4	48.0
02/03/2015	52.5	47.8
08/24/2015	34.9	44.4
02/08/2016	26.6	35.3
08/17/2016	34.9	35.6
02/15/2017	29.6	30.1
07/11/2017	25.0	35.0
08/01/2017	29.1	26.8
10/06/2017	18.8	28.9
01/04/2018	33.6	34.1
02/14/2018	29.2	48.1
04/05/2018	28.5	48.4
07/10/2018	31.7	40.1
08/27/2018	32.4	42.7
10/03/2018	48.7	51.7
01/02/2019	23.8	28.1
04/09/2019	35.6	57.0
07/09/2019	20.8	48.7
10/01/2019	35.3	50.2
01/06/2020	32.6	38.2
04/08/2020	45.3	48.8
07/08/2020	26.2	53.3
10/08/2020	18.1	44.1
01/07/2021	19.2	32.0
04/06/2021	29.2	51.2
07/06/2021	30.4	50.0
10/06/2021	35.0	40.8
01/04/2022	27.6	36.6
04/05/2022	17.8	30.1
07/05/2022	34.3	36.8
10/03/2022	31.9	29.3



Notes:

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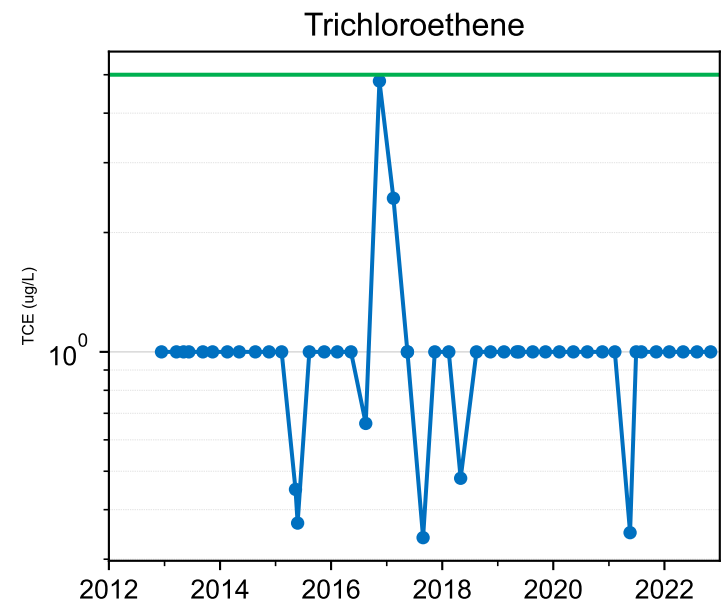
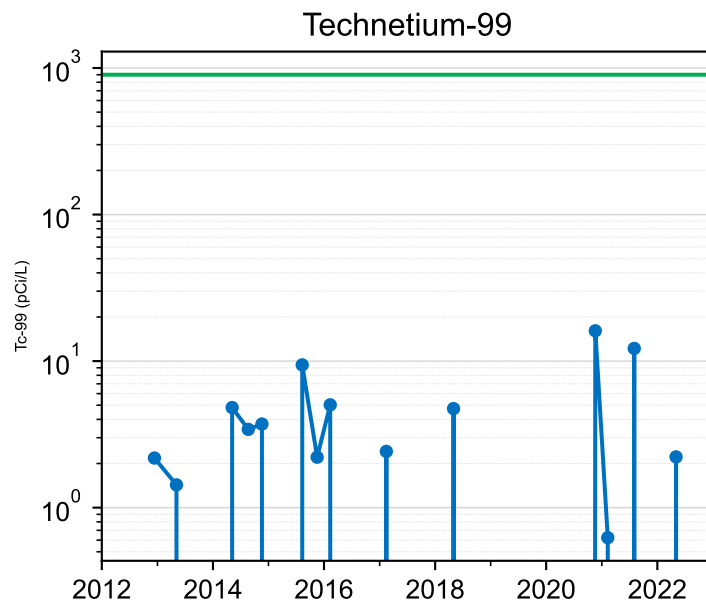
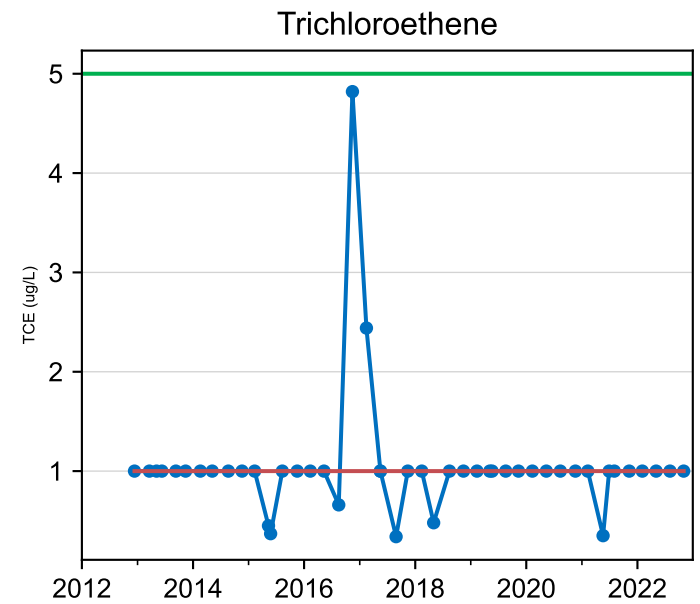
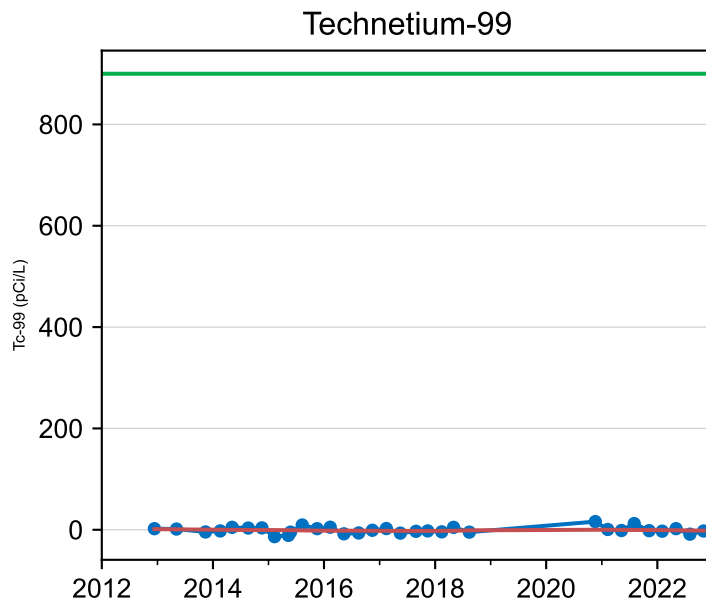
● Data — LOWESS
— MCLs

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Figure 15. Tc-99 and TCE at MW145 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/12/2012	2.18 U	1.0 U
03/20/2013		1.0 U
05/06/2013	1.43 U	1.0 U
06/10/2013		1.0 U
09/10/2013		1.0 U
11/13/2013	-4.32 U	1.0 U
02/18/2014	-2.26 U	1.0 U
05/07/2014	4.82 U	1.0 U
08/21/2014	3.42 U	1.0 U
11/19/2014	3.72 U	1.0 U
02/10/2015	-13.6 U	1.0 U
05/12/2015	-11.1 U	0.45 J
05/26/2015	-4.65 U	0.37 J
08/11/2015	9.42 U	1.0 U
11/17/2015	2.21 U	1.0 U
02/11/2016	5.03 U	1.0 U
05/11/2016	-7.97 U	1.0 U
08/16/2016	-6.28 U	0.66 J
11/14/2016	-0.995 U	4.82
02/14/2017	2.42 U	2.44
05/17/2017	-6.61 U	1.0 U
08/28/2017	-3.03 U	0.34 J
11/13/2017	-2.23 U	1.0 U
02/13/2018	-4.07 U	1.0 U
05/02/2018	4.74 U	0.48 J
08/14/2018	-4.65 U	1.0 U
11/14/2018		1.0 U
02/11/2019		1.0 U
05/06/2019		1.0 U
05/21/2019		1.0 U
08/19/2019		1.0 U
11/11/2019		1.0 U
02/10/2020		1.0 U
05/12/2020		1.0 U
08/12/2020		1.0 U
11/19/2020	16.1 U	1.0 U
02/09/2021	0.624 UJ	1.0 U
05/10/2021	-1.47 U	
05/20/2021		0.35 J
06/29/2021		1.0 U
08/02/2021	12.2 U	1.0 U
11/08/2021	-1.77 U	1.0 U
02/02/2022	-2.76 U	1.0 U
05/04/2022	2.22 U	1.0 U
08/03/2022	-8.65 U	1.0 U
11/01/2022	-2.41 U	1.0 U



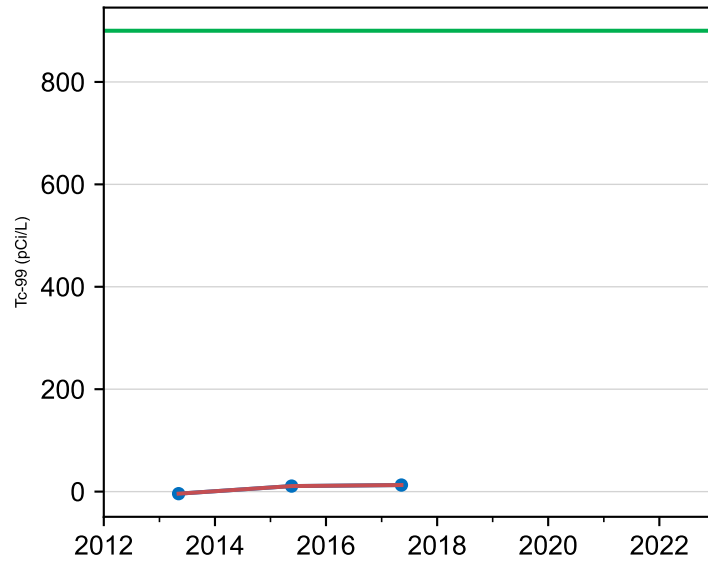
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

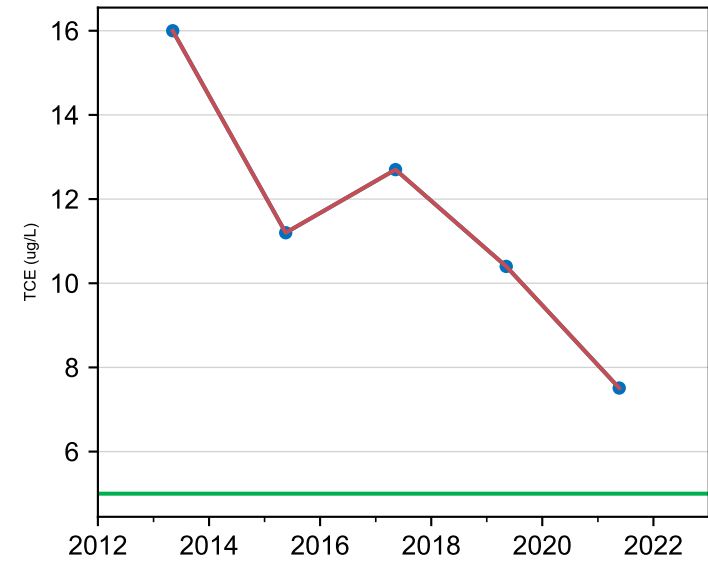
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Figure 16. Tc-99 and TCE at MW146 (LRGA)

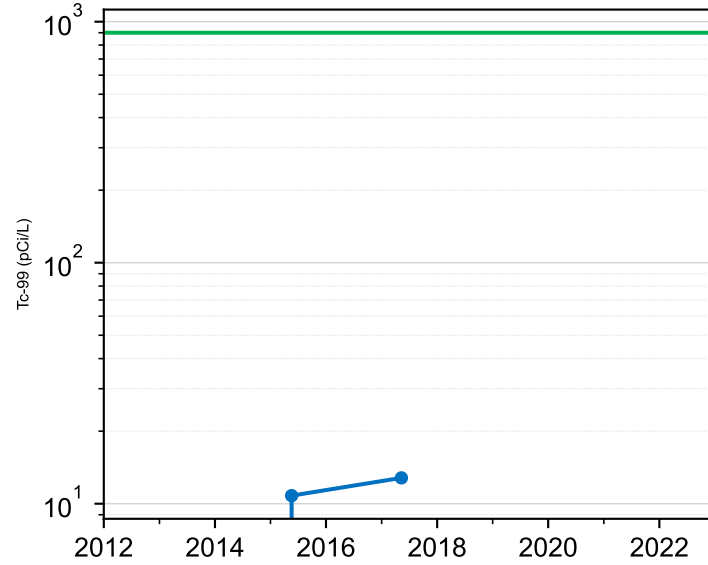
Technetium-99



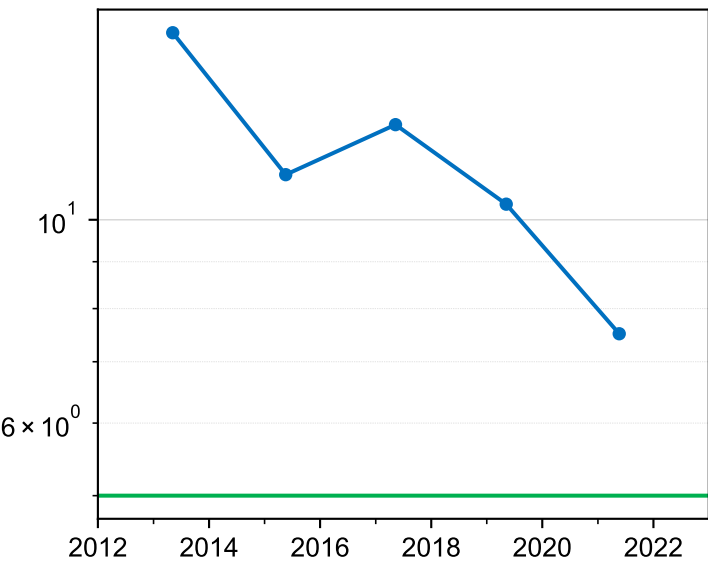
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/07/2013	-4.03 U	16.0
05/20/2015	10.8 U	11.2
05/11/2017	12.8 U	12.7
05/09/2019		10.4
05/21/2021		7.51

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

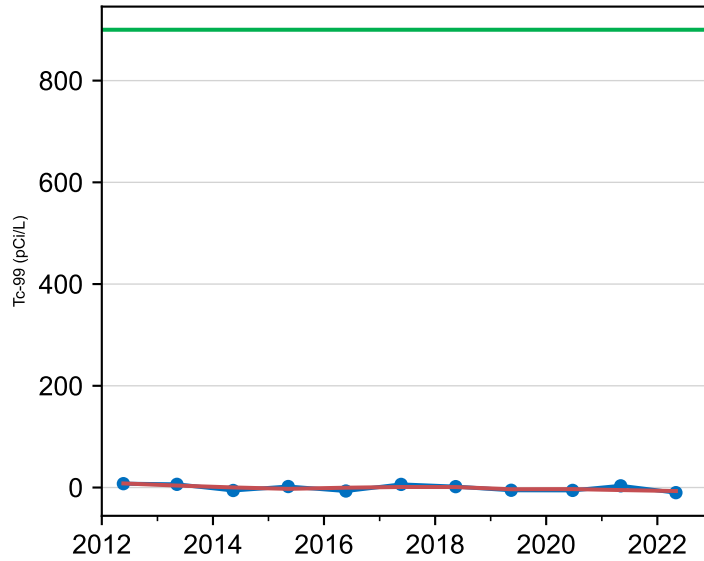
● Data — LOWESS
 — MCLs

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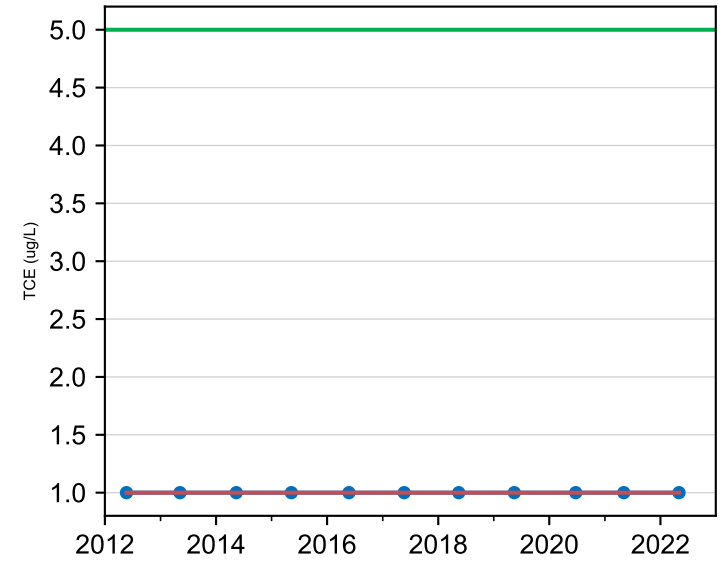
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Figure 17. Tc-99 and TCE at MW148 (MRGA)

Technetium-99

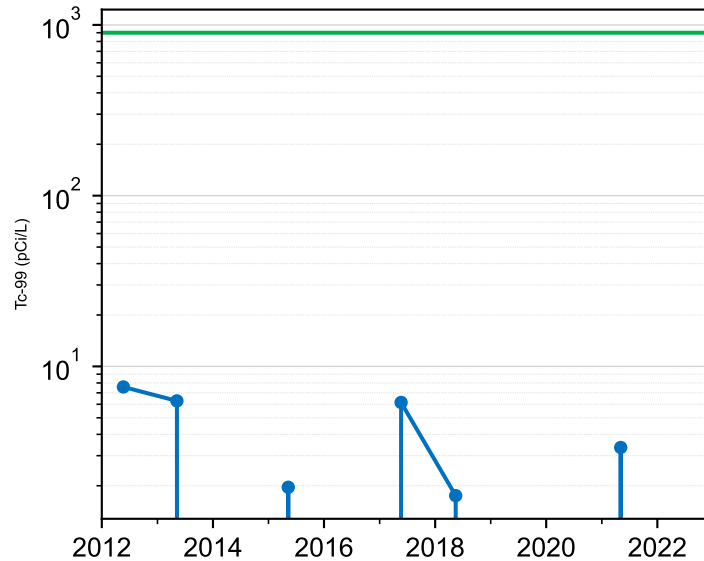


Trichloroethene

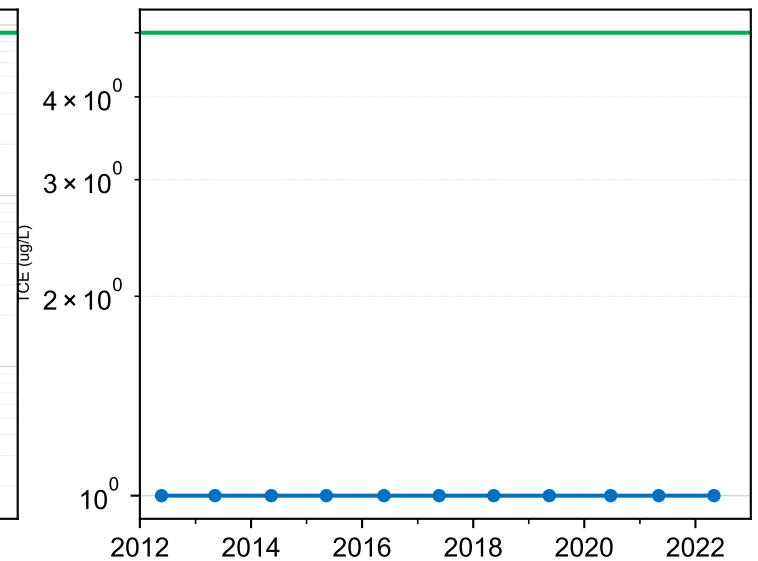


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/22/2012	7.58 U	1.0 U
05/09/2013	6.28 U	1.0 U
05/14/2014	-5.81 U	1.0 U
05/11/2015	1.96 U	1.0 U
05/24/2016	-6.87 U	1.0 U
05/22/2017	6.15 U	1.0 U
05/16/2018	1.75 U	1.0 U
05/16/2019	-5.38 U	1.0 U
06/23/2020	-5.63 U	1.0 U
05/05/2021	3.35 U	1.0 U
05/03/2022	-10.1 U	1.0 U

Technetium-99



Trichloroethene



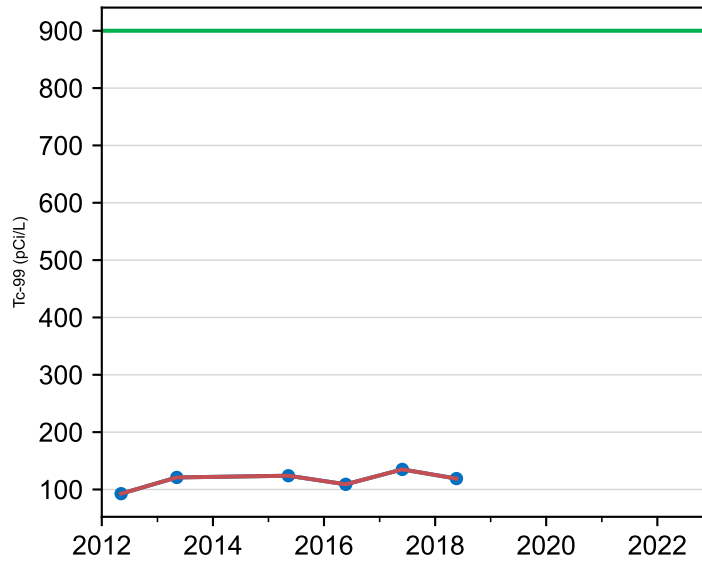
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

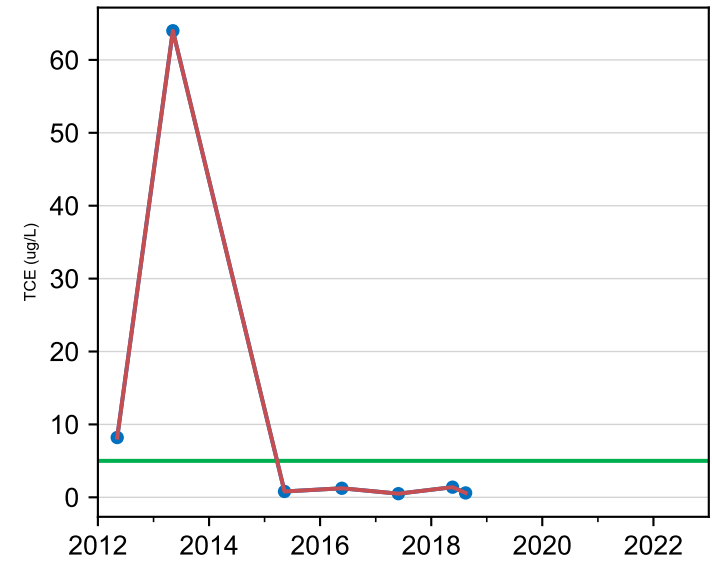
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Figure 18. Tc-99 and TCE at MW150 (LRGA)

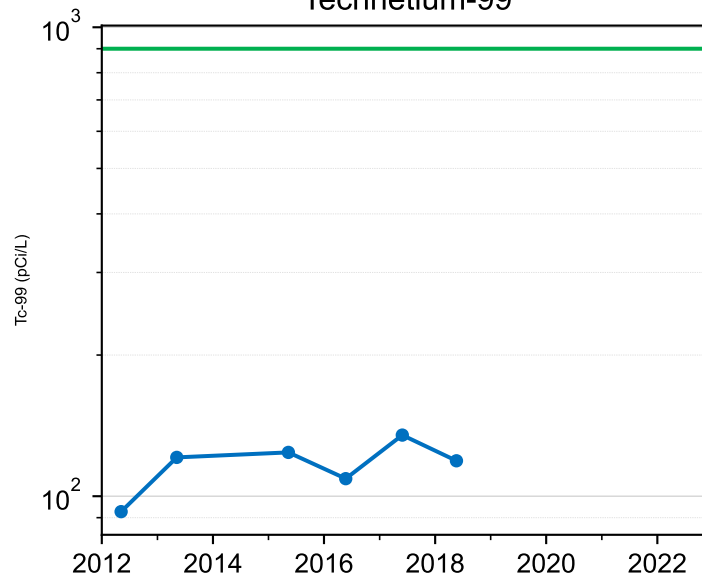
Technetium-99



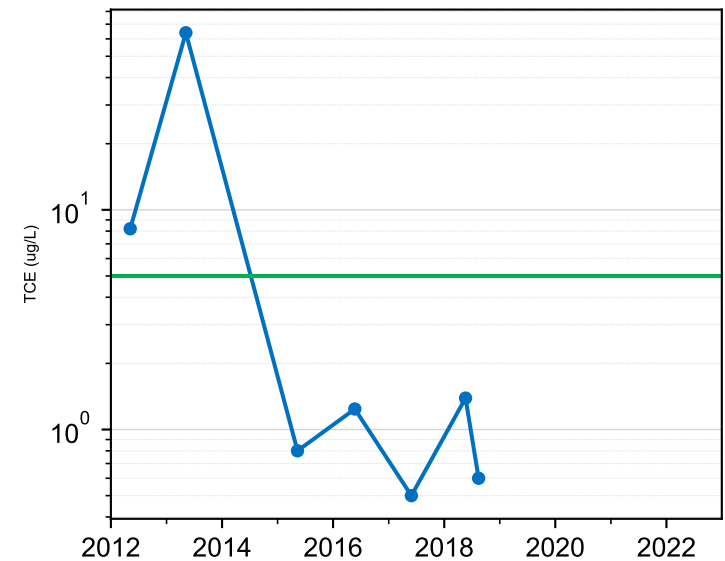
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/07/2012	92.7	8.2
05/08/2013	121.0	64.0
05/12/2015	124.0	0.8 J
05/23/2016	109.0	1.24
05/30/2017	135.0	0.5 J
05/21/2018	119.0	1.39
08/15/2018		0.6 J

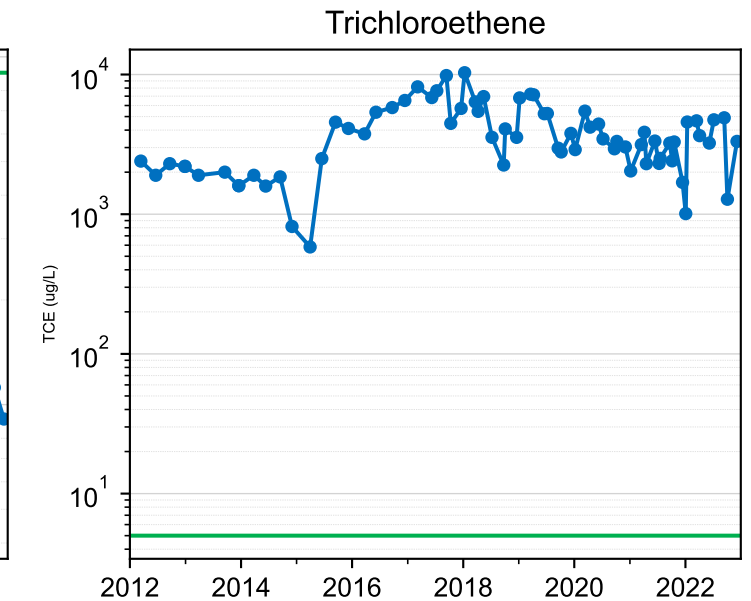
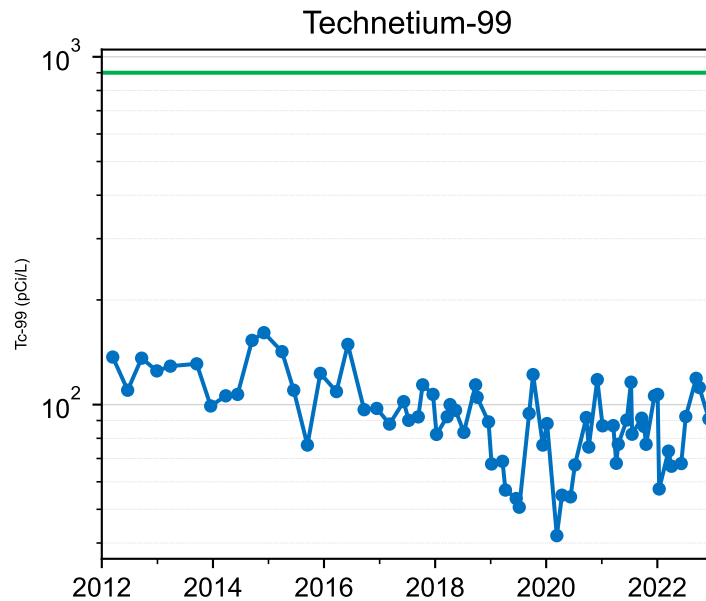
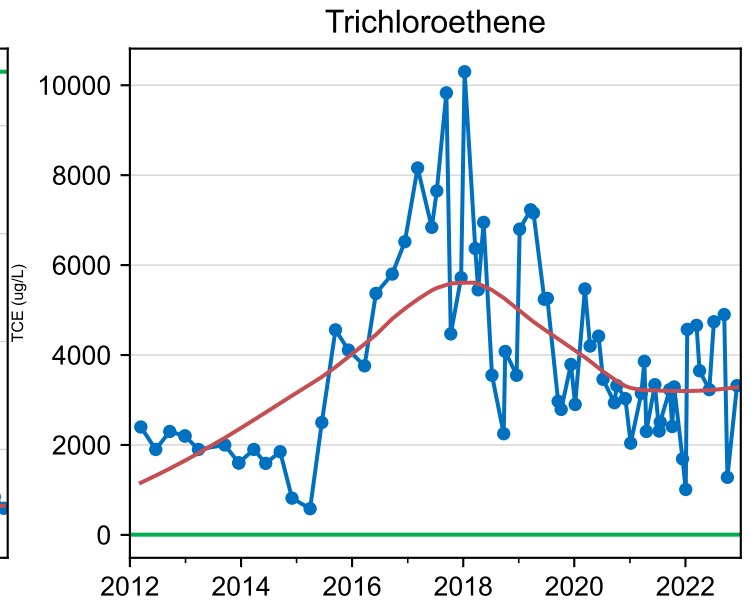
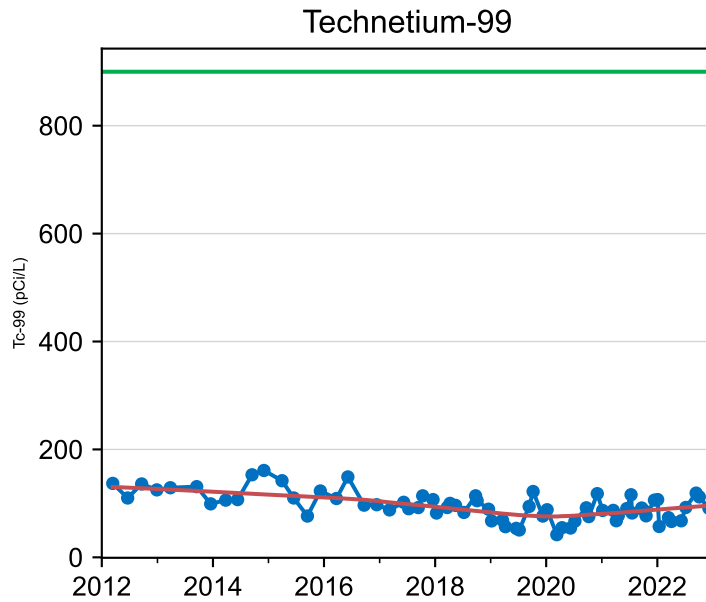
- Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

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Figure 19. Tc-99 and TCE at MW152 (RGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2012	137.0	2400.0
06/19/2012	110.0	1900.0
09/19/2012	136.0	2300.0
12/28/2012	125.0	2200.0
03/27/2013	129.0	1900.0
09/16/2013	131.0	2000.0
12/17/2013	99.1	1600.0
03/26/2014	106.0	1900.0
06/12/2014	107.0	1590.0
09/15/2014	153.0	1850.0
12/02/2014	161.0	817.0
03/31/2015	142.0	583.0
06/16/2015	110.0	2500.0
09/14/2015	76.5	4560.0
12/08/2015	123.0	4110.0
03/23/2016	109.0	3760.0
06/06/2016	149.0	5370.0
09/21/2016	96.7	5800.0
12/13/2016	97.5	6520.0
03/07/2017	87.9	8160.0
06/08/2017	102.0	6840.0
07/11/2017	90.1	7650.0
09/12/2017	92.2	9830.0
10/11/2017	114.0	4470.0
12/18/2017	107.0	5720.0
01/10/2018	82.1	10300.0
03/21/2018	92.3	6370.0
04/09/2018	100.0	5450.0
05/15/2018	96.3	6950.0
07/09/2018	83.2	3550.0
09/24/2018	114.0	2250.0
10/04/2018	105.0	4080.0
12/18/2018	89.2	3550.0
01/07/2019	67.5	6800.0
03/20/2019	68.7	7230.0
04/08/2019	56.8	7160.0
06/18/2019	53.7	5240.0
07/08/2019	50.7	5260.0
09/11/2019	94.3	
09/17/2019		2970.0
10/07/2019	122.0	2790.0
12/10/2019	76.5	3790.0
01/07/2020	88.2	2900.0
03/11/2020	42.0	5470.0
04/14/2020	54.9	4200.0
06/09/2020	54.3	4420.0
07/08/2020	67.1	3460.0
09/21/2020	91.8	2940.0
10/07/2020	75.5	3320.0
12/02/2020	118.0	3030.0
01/06/2021	86.9	2040.0
03/17/2021	87.0	3150.0
04/06/2021	67.8	3860.0
04/19/2021	76.9	2300.0
06/14/2021	90.3	3340.0
07/12/2021	116.0	2310.0 J
07/19/2021	82.2	2510.0
09/20/2021	91.4	3230.0
10/06/2021	86.5	2410.0 J
10/19/2021	76.9	3290.0
12/13/2021	106.0	1690.0
01/03/2022	107.0	1010.0
01/13/2022	57.2	4570.0
03/15/2022	73.5	4660.0
04/04/2022	66.5	3650.0
06/07/2022	67.7	3230.0
07/07/2022	92.4	4740.0
09/13/2022	119.0	4900.0
10/04/2022	112.0	1280.0
12/06/2022	90.9	3320.0



Notes:

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4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

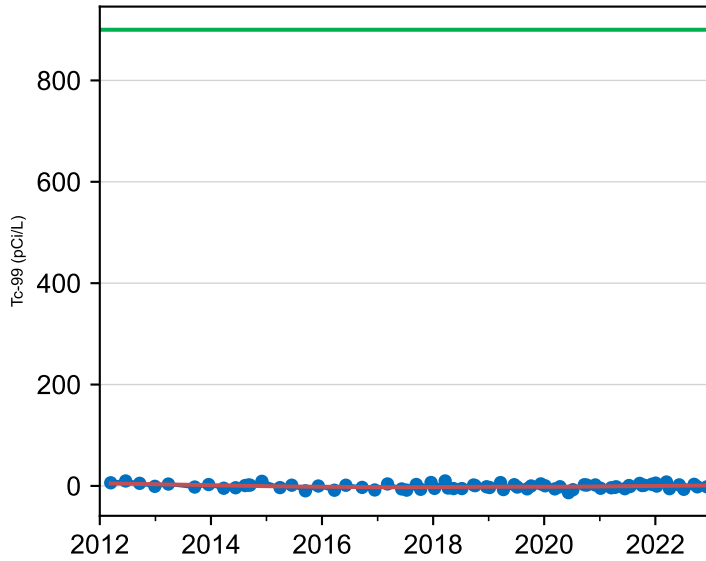
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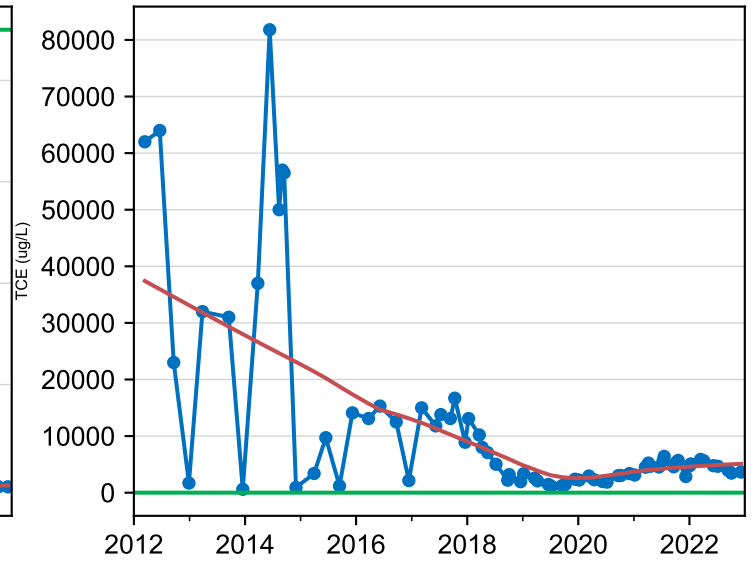
Figure 20. Tc-99 and TCE at MW155 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2012	6.21 U	62000.0
06/19/2012	9.77 U	64000.0
09/19/2012	5.12 U	23000.0
12/28/2012	-0.798 U	1700.0
03/27/2013	3.7 U	32000.0
09/16/2013	-2.19 U	31000.0
12/17/2013	2.71 U	600.0
03/26/2014	-4.56 U	37000.0
06/12/2014	-3.61 U	81800.0
08/13/2014	0.723 U	50000.0
09/03/2014	1.81 U	57000.0
09/15/2014	1.62 U	56500.0
12/02/2014	9.1 U	925.0
03/31/2015	-3.32 U	3390.0
06/16/2015	1.43 U	9720.0
09/14/2015	-9.6 U	1190.0
12/08/2015	-0.175 U	14100.0
03/23/2016	-8.5 U	13100.0
06/06/2016	1.33 U	15300.0
09/21/2016	-2.91 U	12500.0
12/13/2016	-7.97 U	2140.0
03/07/2017	3.88 U	15000.0
06/08/2017	-5.94 U	11800.0
07/11/2017	-8.3 U	13800.0
09/12/2017	2.86 U	13100.0
10/11/2017	-6.64 U	16700.0
12/18/2017	6.73 U	8910.0
01/10/2018	-4.91 U	13100.0
03/21/2018	9.83 U	10200.0
04/09/2018	-4.14 U	8010.0
05/15/2018	-5.19 U	7090.0
07/09/2018	-5.22 U	5020.0
09/24/2018	1.84 U	2210.0
10/04/2018	0.537 U	3200.0
12/18/2018	-1.65 U	1940.0
01/07/2019	-3.11 U	3350.0
03/20/2019	6.56 U	2570.0
04/08/2019	-7.21 U	2090.0
06/18/2019	2.42 U	1460.0
07/08/2019	-2.24 U	1150.0
09/11/2019	-5.8 U	
09/17/2019		1240.0
10/07/2019	-0.0844 U	1430.0
12/10/2019	4.0 U	2380.0
01/07/2020	0.239 U	2230.0
03/11/2020	-5.89 U	2940.0
04/14/2020	-1.57 U	2290.0
06/09/2020	-13.3 U	1970.0
07/08/2020	-7.48 U	1870.0
09/21/2020	2.3 U	3020.0
10/07/2020	1.68 U	3040.0
12/02/2020	1.94 U	3380.0
01/06/2021	-4.61 U	3120.0
03/17/2021	-3.63 U	4510.0
04/06/2021	-2.9 U	5230.0
04/19/2021	-1.76 U	4670.0
06/14/2021	-5.51 U	4540.0
07/12/2021	0.795 U	5690.0 J
07/19/2021	-1.12 U	6410.0
09/20/2021	5.02 U	4580.0
10/06/2021	0.799 U	5350.0 J
10/19/2021	1.36 U	5700.0
12/08/2021	3.21 U	2860.0
01/03/2022	5.52 U	4760.0
01/10/2022	-0.317 U	5080.0
03/15/2022	7.73 U	5880.0
04/04/2022	-5.4 U	5660.0
06/07/2022	2.06 U	4770.0
07/07/2022	-6.65 U	4670.0
09/13/2022	3.14 U	3930.0
10/04/2022	-1.79 U	3460.0
12/06/2022	-1.76 U	3640.0

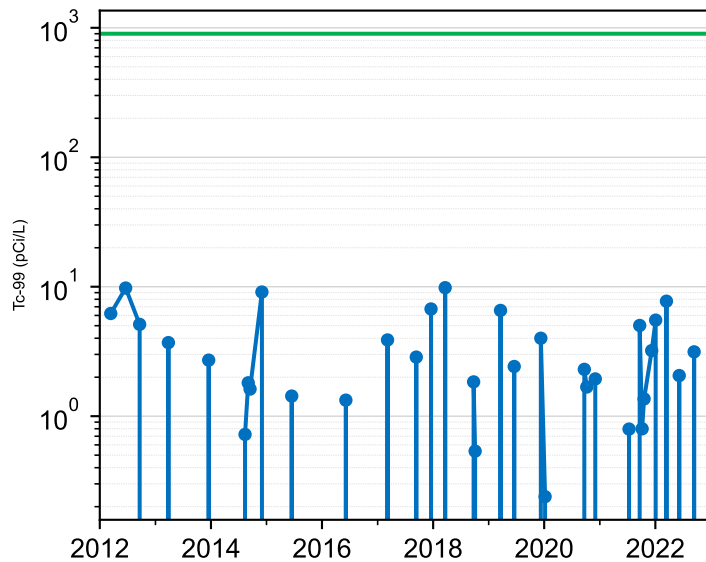
Technetium-99



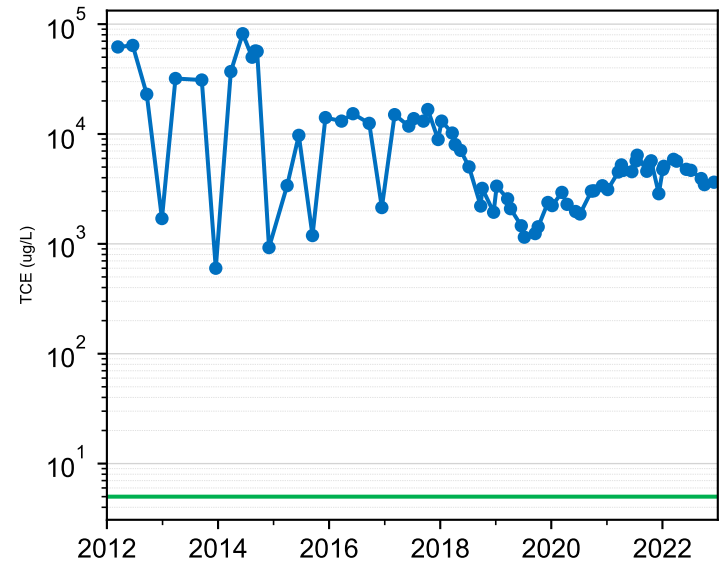
Trichloroethene



Technetium-99



Trichloroethene



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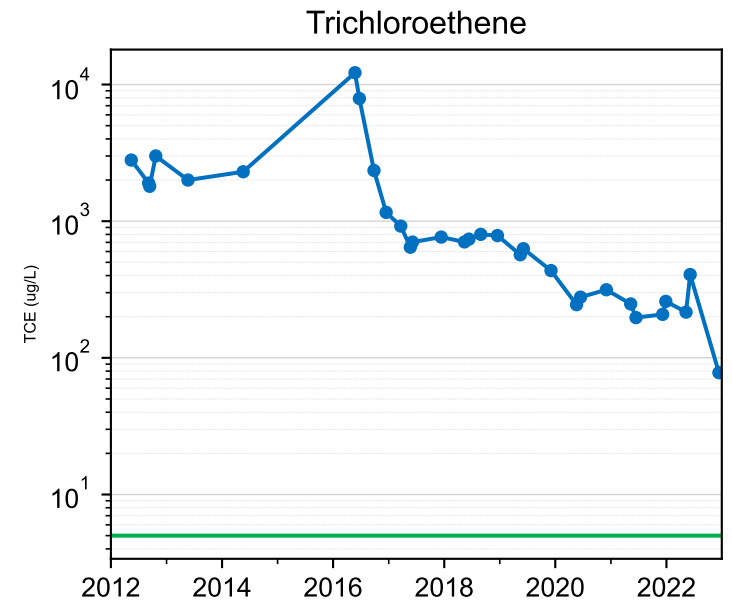
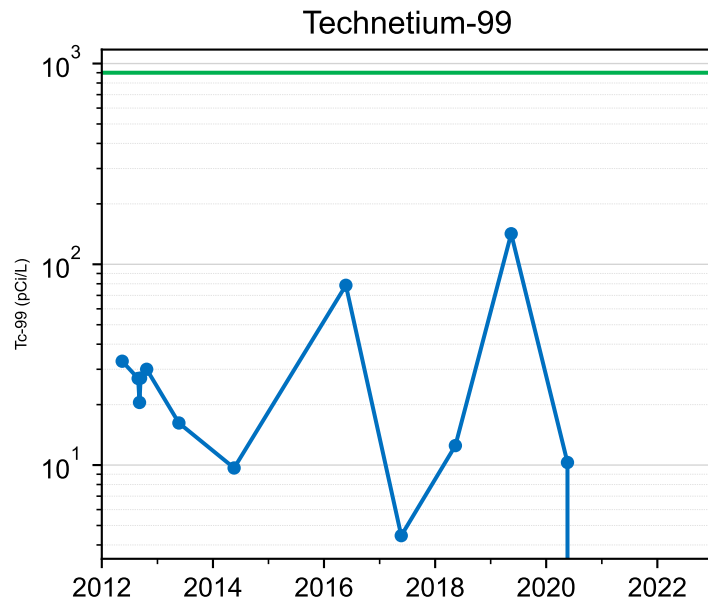
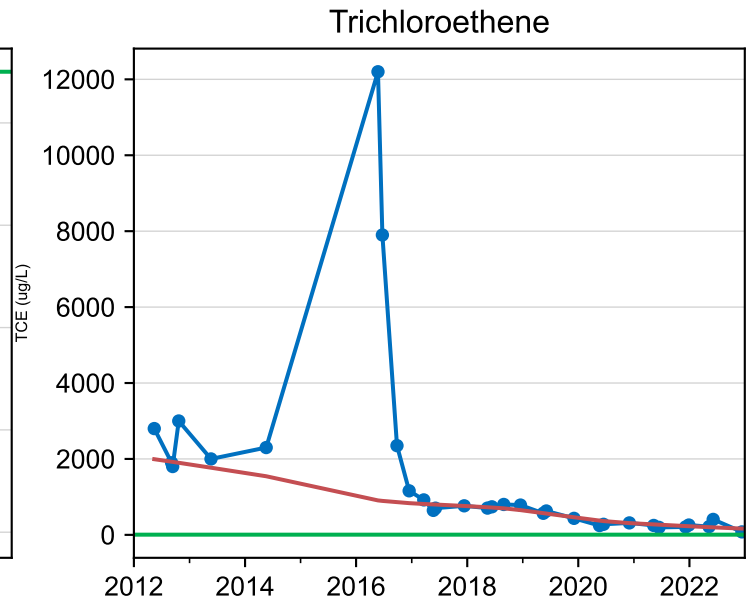
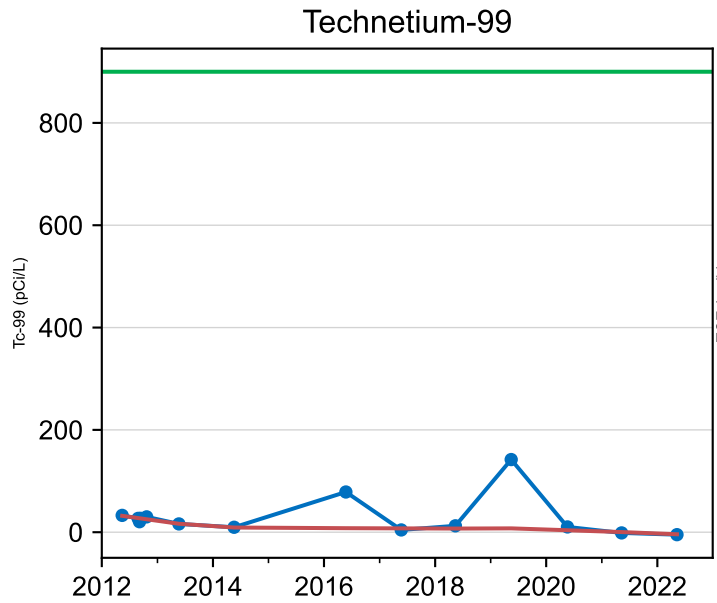
● Data
 — LOWESS
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Figure 21. Tc-99 and TCE at MW156 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/14/2012	32.9	2800.0
08/27/2012	27.0	
09/05/2012	20.5	1900.0 J
09/12/2012	27.1	1800.0 J
10/22/2012	30.0	3000.0
05/22/2013	16.2	2000.0
05/20/2014	9.67 U	2300.0
05/24/2016	78.6	12200.0
06/22/2016		7900.0
09/26/2016		2350.0
12/15/2016		1160.0
03/21/2017		921.0
05/23/2017	4.45 U	645.0
08/06/2017		703.0
12/12/2017		765.0
05/14/2018	12.5 U	705.0 J
06/12/2018		739.0
08/29/2018		801.0
12/17/2018		785.0
06/16/2019	142.0	568.0
06/05/2019		629.0
12/04/2019		435.0
05/20/2020	10.3 U	245.0
06/15/2020		278.0
12/02/2020		315.0
05/11/2021	-1.38 U	248.0
06/15/2021		197.0
12/07/2021		208.0
12/28/2021		259.0
05/10/2022	-4.8 U	216.0
06/06/2022		407.0 J
12/12/2022		77.9



- Notes:
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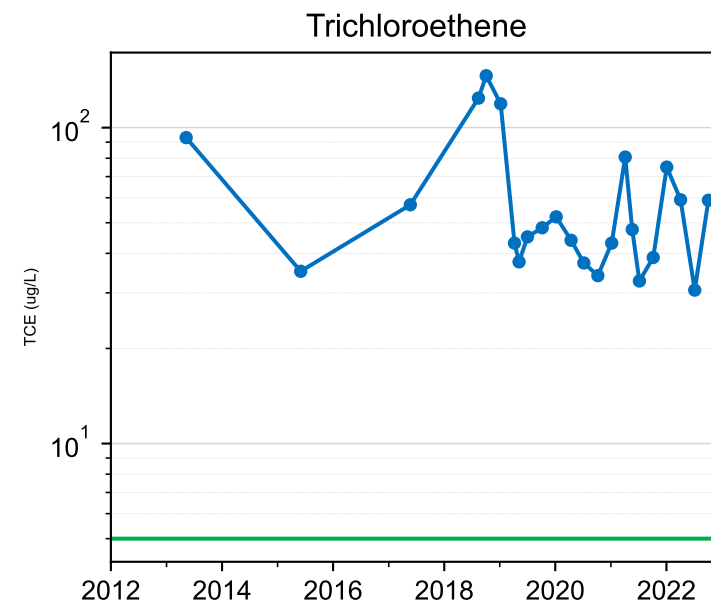
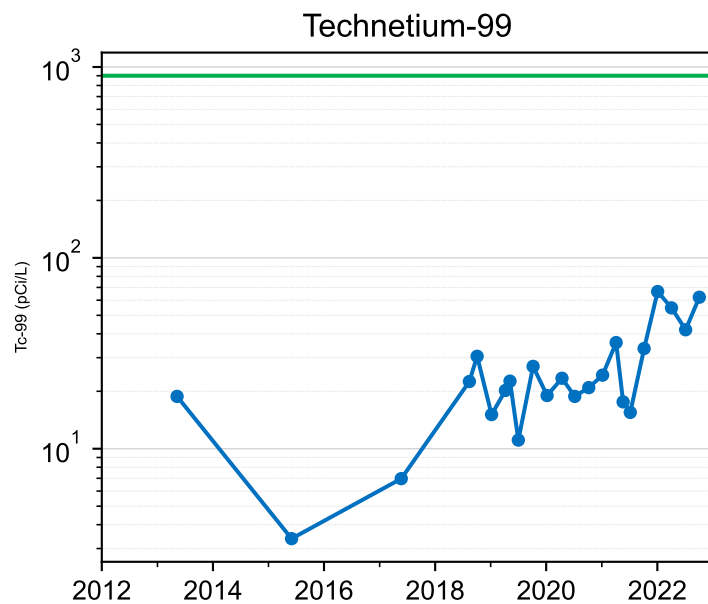
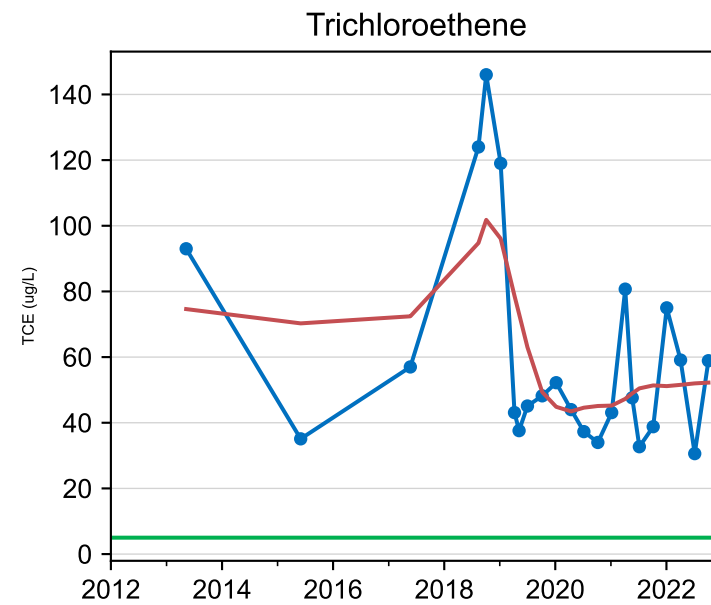
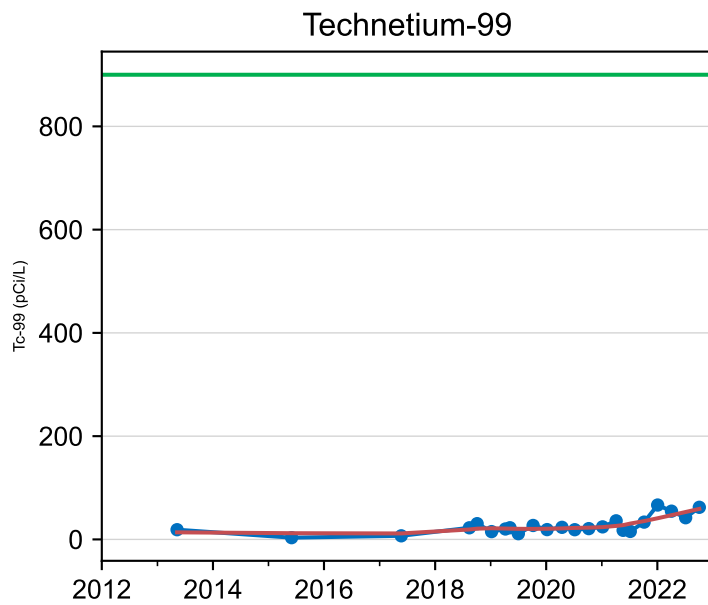
● Data — LOWESS
— MCLs

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Figure 22. Tc-99 and TCE at MW161 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/10/2013	18.8	93.0
06/02/2015	3.38 U	35.1
05/23/2017	6.97 U	57.0
08/14/2018	22.5	124.0
10/04/2018	30.5	146.0
01/07/2019	15.1	119.0
04/08/2019	20.2	43.1
05/08/2019	22.6	37.6
07/02/2019	11.1 U	45.1
10/07/2019	27.0	48.2
01/07/2020	19.0	52.2
04/14/2020	23.4	44.0
07/07/2020	18.8	37.3
10/07/2020	20.9	34.0
01/06/2021	24.3	43.1
04/05/2021	36.0	80.7
05/21/2021	17.6 U	47.6
07/07/2021	15.5	32.7
10/06/2021	33.5	38.8 J
01/03/2022	66.6	75.0
04/04/2022	54.7	59.1
07/06/2022	42.0	30.6
10/04/2022	62.2	58.9



Notes:
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 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
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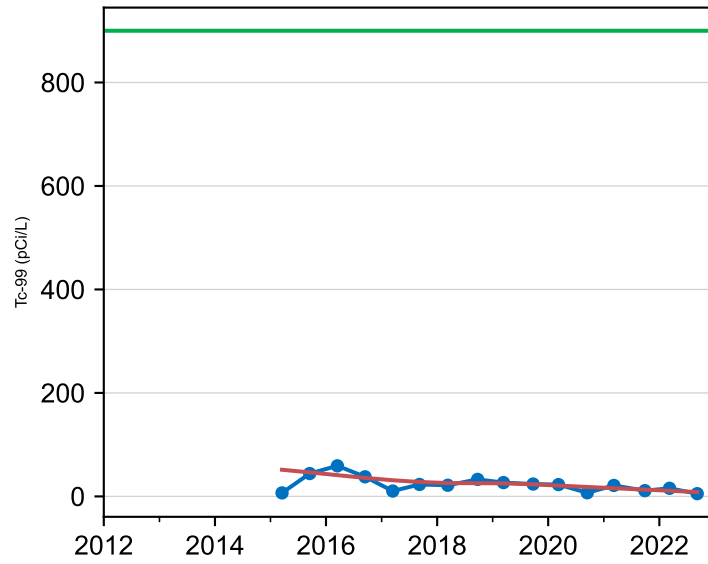
● Data
 — LOWESS
 — MCLs

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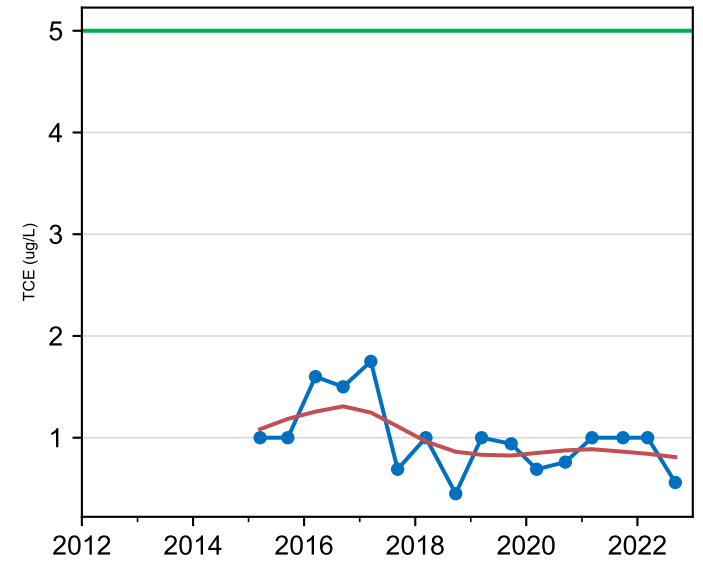


Figure 23. Tc-99 and TCE at MW163 (LRGA)

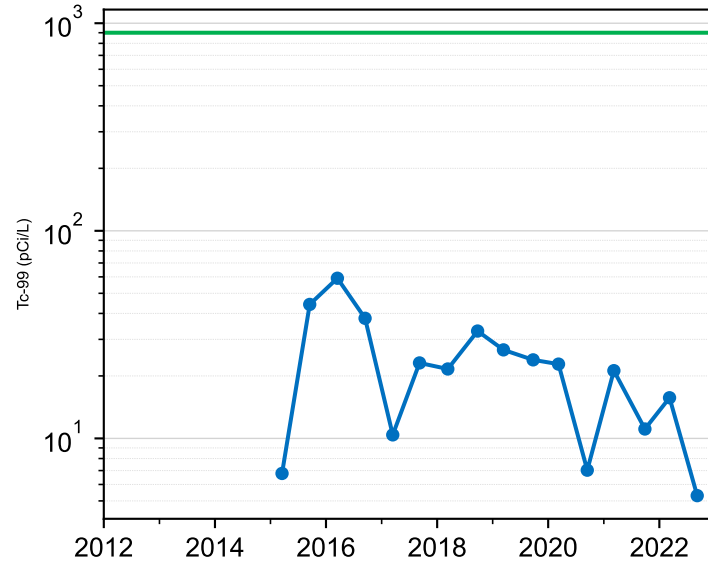
Technetium-99



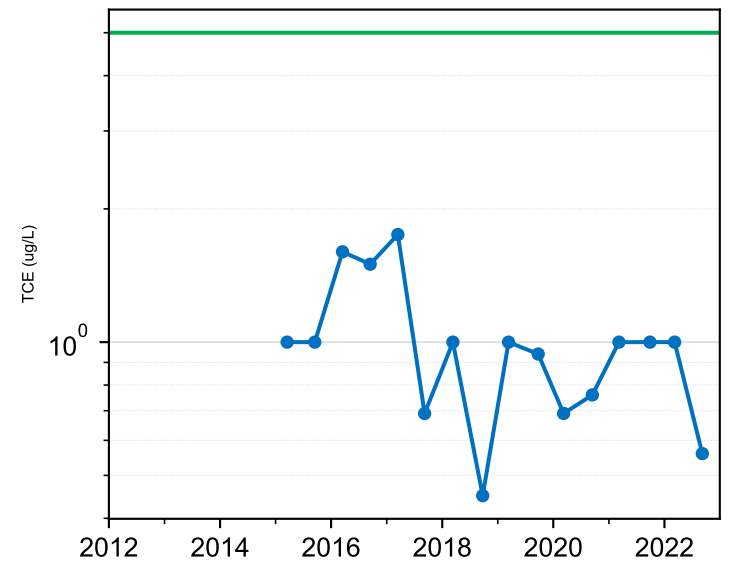
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/18/2015	6.78 U	1.0 U
09/16/2015	44.2	1.0 U
03/16/2016	59.1	1.6
09/14/2016	37.9	1.5
03/15/2017	10.4 U	1.75
09/07/2017	23.1	0.69 J
03/12/2018	21.6	1.0 U
09/24/2018	32.9	0.45 J
03/13/2019	26.7	1.0 U
09/24/2019	23.9	0.94 J
03/09/2020	22.8	0.69 J
09/14/2020	7.03 U	0.76 J
03/08/2021	21.2	1.0 U
09/28/2021	11.1 U	1.0 U
03/09/2022	15.7	1.0 U
09/07/2022	5.3 U	0.56 J

Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
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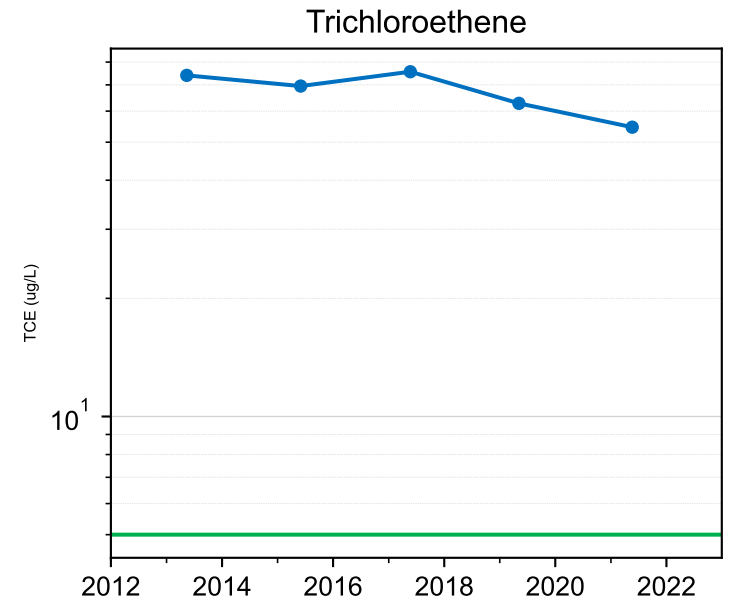
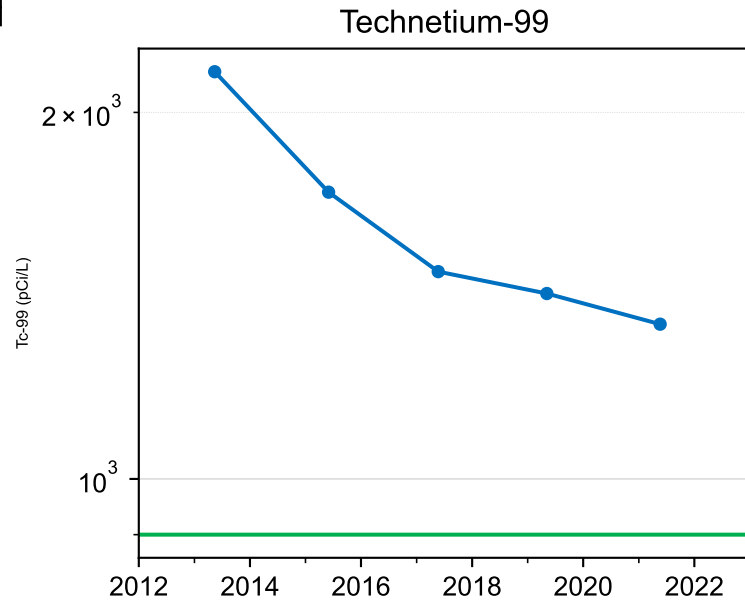
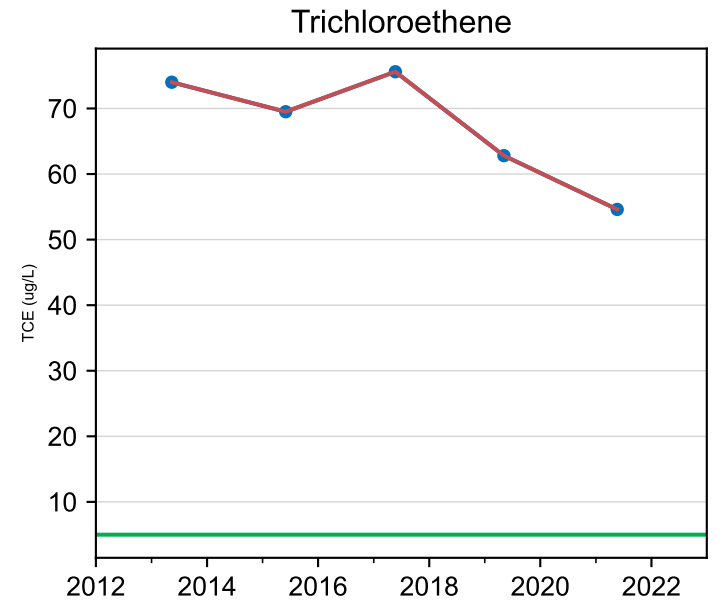
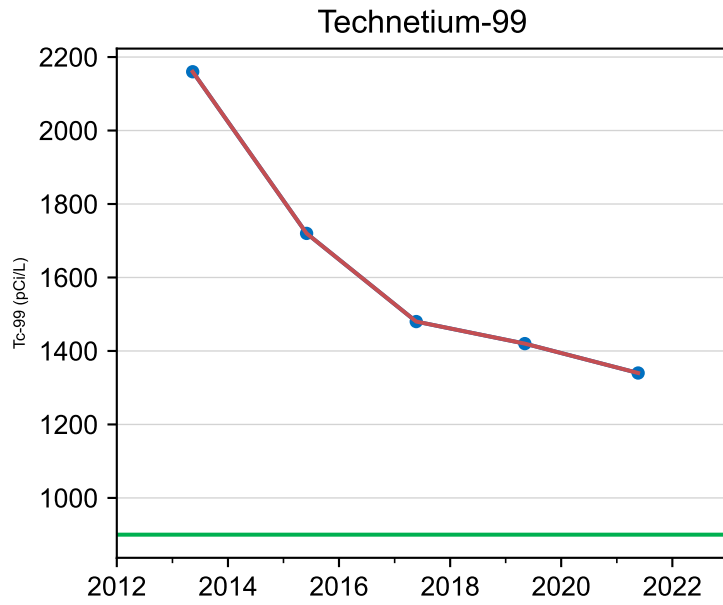
● Data
 — LOWESS
 — MCLs

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Figure 24. Tc-99 and TCE at MW165A (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/14/2013	2160.0	74.0
06/02/2015	1720.0	69.5
05/23/2017	1480.0	75.6
05/07/2019	1420.0	62.8
05/21/2021	1340.0	54.6



- Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

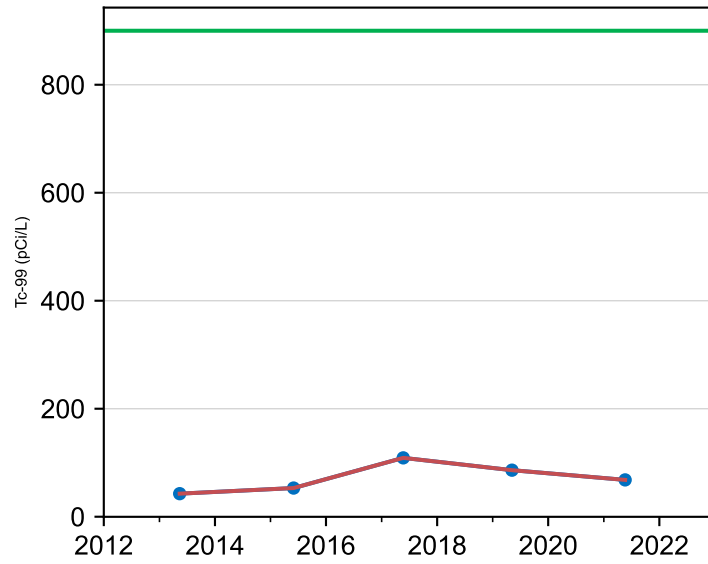
● Data
— LOWESS
— MCLs

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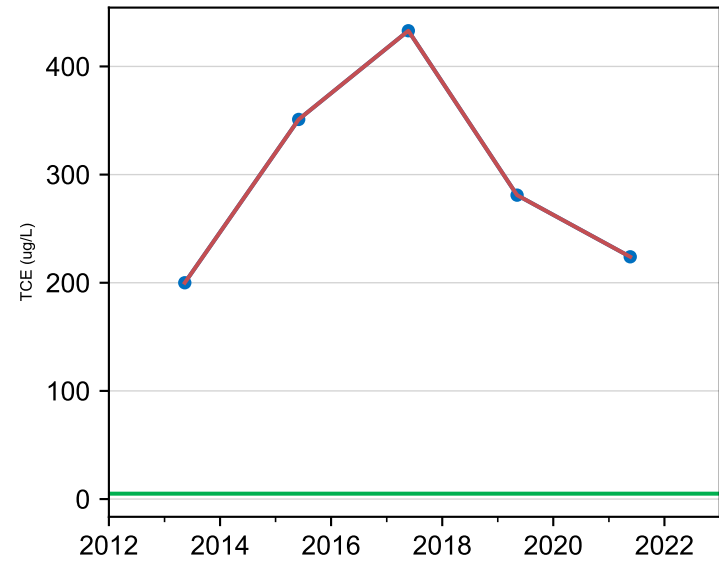
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Figure 25. Tc-99 and TCE at MW168 (URGA)

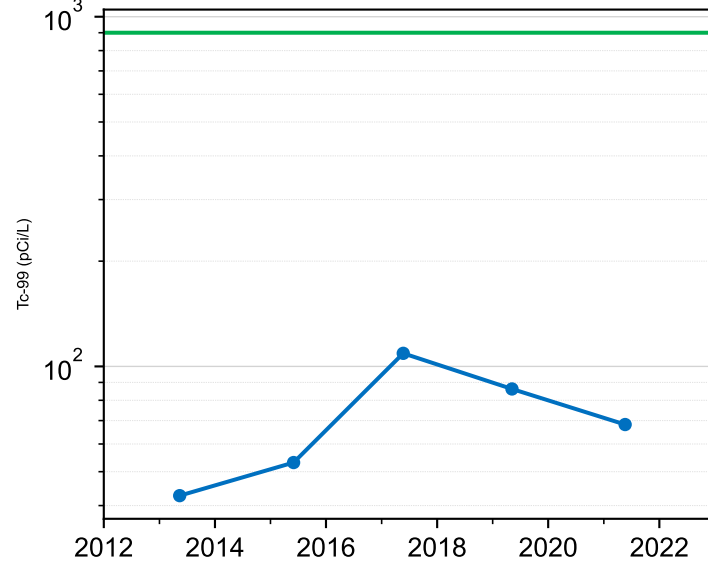
Technetium-99



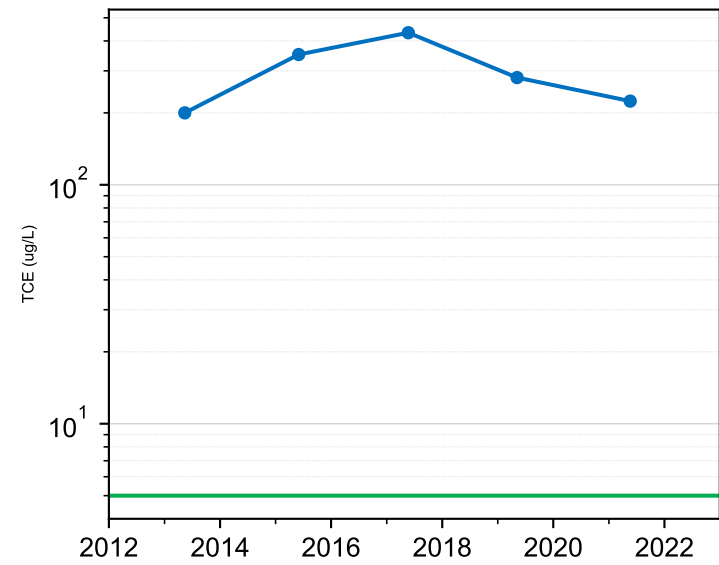
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/14/2013	42.7	200.0
06/02/2015	53.1	351.0
05/23/2017	109.0	433.0
05/08/2019	86.2	281.0
05/21/2021	68.2	224.0 J

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

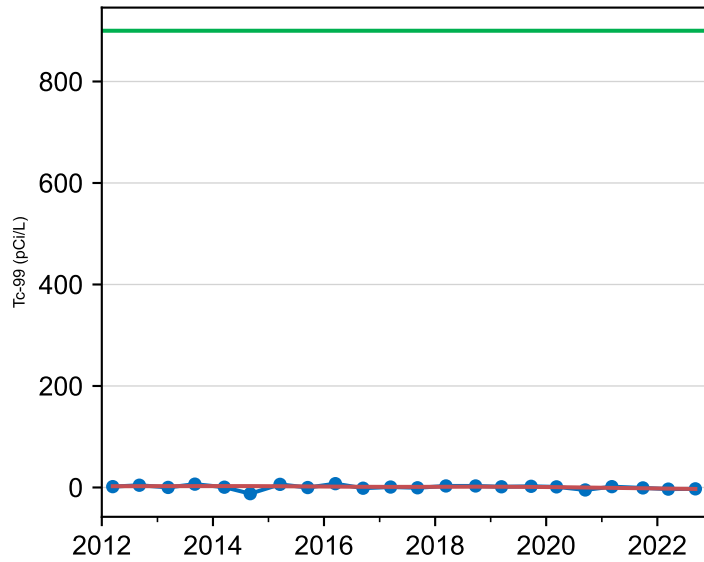
● Data
 — LOWESS
 — MCLs

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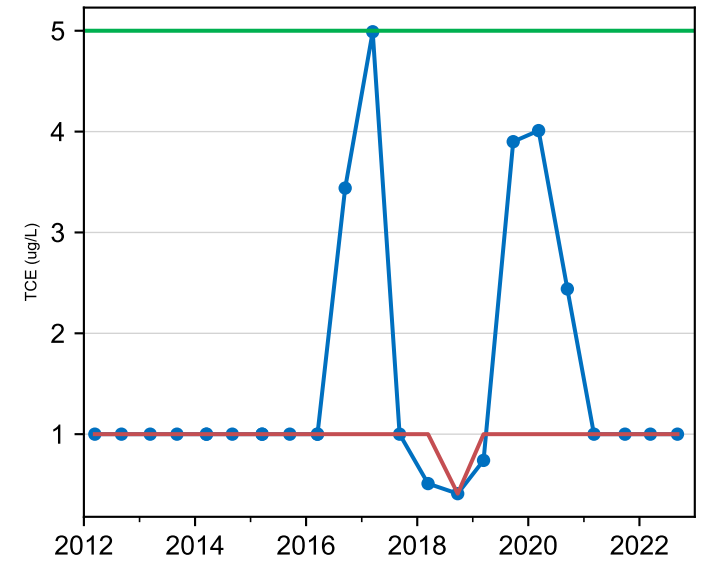
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Figure 26. Tc-99 and TCE at MW169 (MRGA)

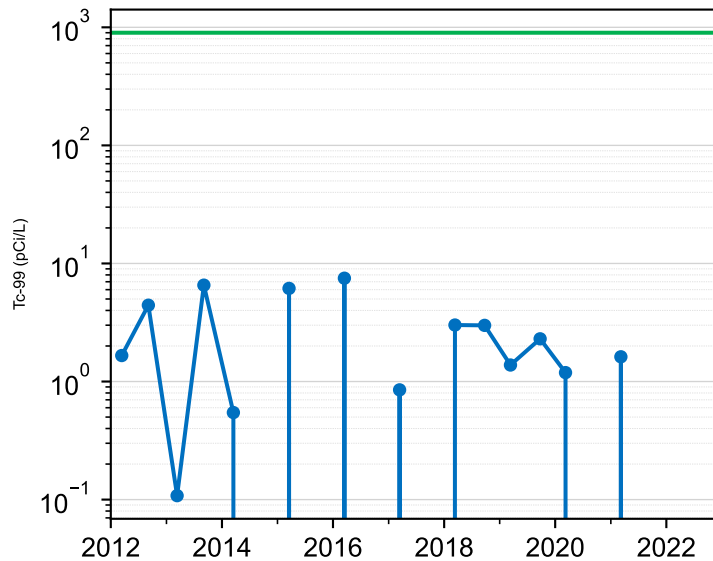
Technetium-99



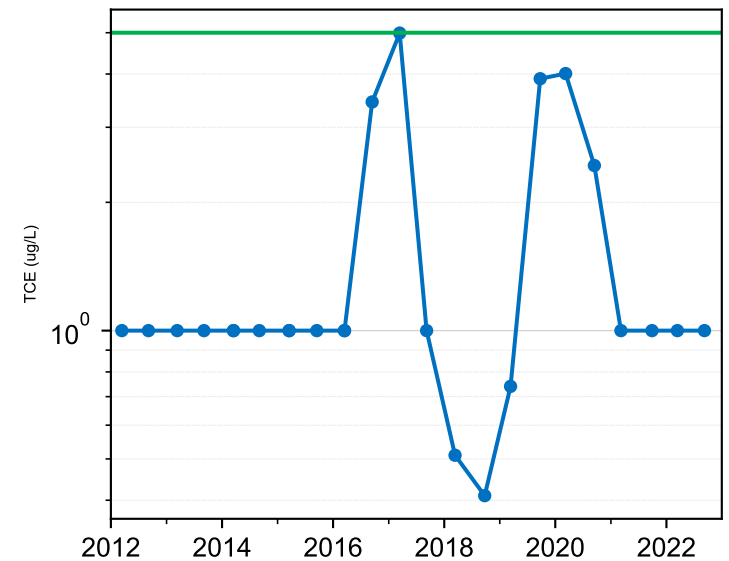
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2012	1.66 U	1.0 UJ
09/04/2012	4.43 U	1.0 UJ
03/12/2013	0.108 U	1.0 U
09/04/2013	6.55 U	1.0 U
03/17/2014	0.546 U	1.0 U
09/03/2014	-12.2 U	1.0 U
03/18/2015	6.15 U	1.0 U
09/16/2015	-0.146 U	1.0 U
03/16/2016	7.5 U	1.0 U
09/14/2016	-1.45 U	3.44
03/14/2017	0.85 U	4.99
09/07/2017	-0.601 U	1.0 U
03/13/2018	3.01 U	0.51 J
09/24/2018	2.99 U	0.41 J
03/13/2019	1.38 U	0.74 J
09/24/2019	2.3 U	3.9
03/09/2020	1.19 U	4.01
09/14/2020	-4.9 U	2.44
03/08/2021	1.62 U	1.0 U
09/28/2021	-0.854 U	1.0 U
03/14/2022	-3.24 U	1.0 U
09/08/2022	-2.7 U	1.0 U

Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

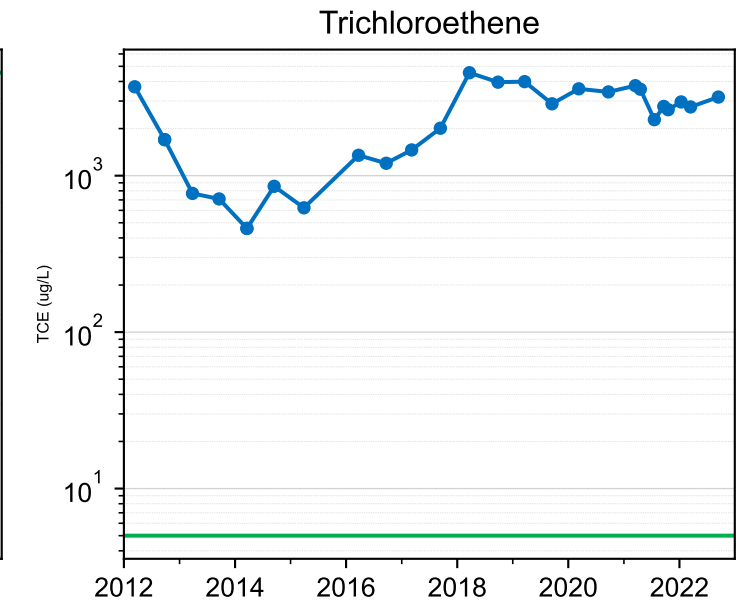
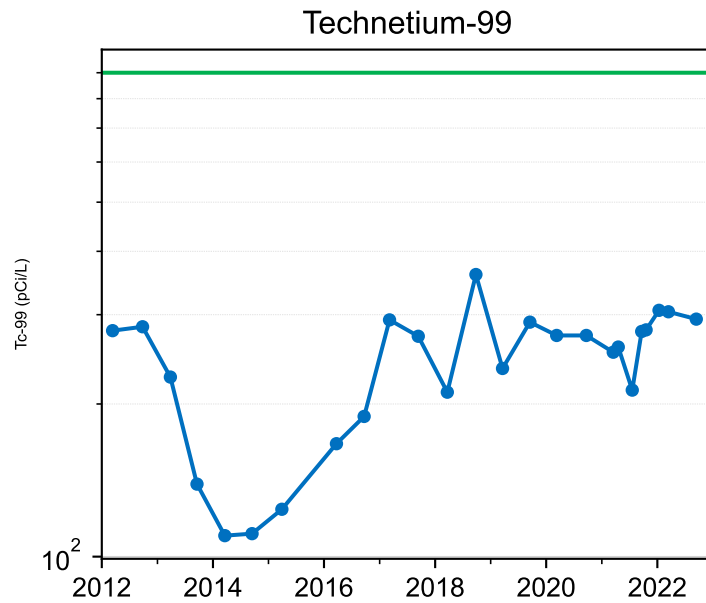
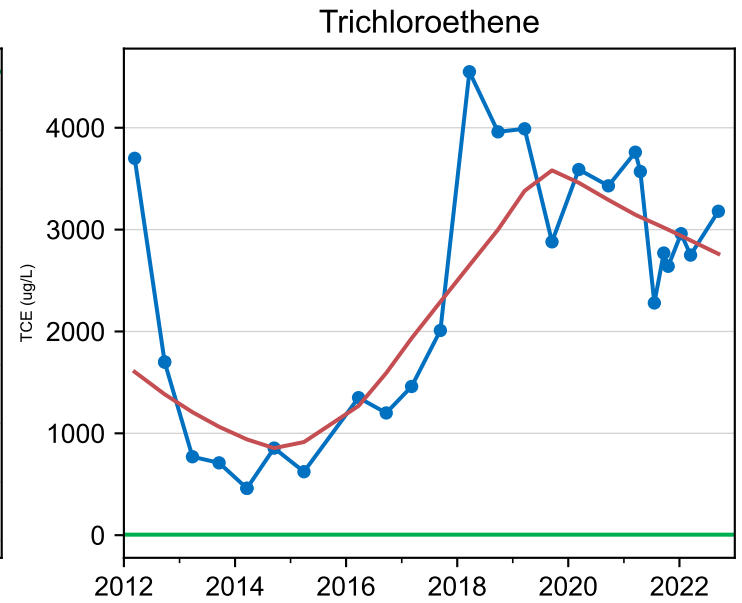
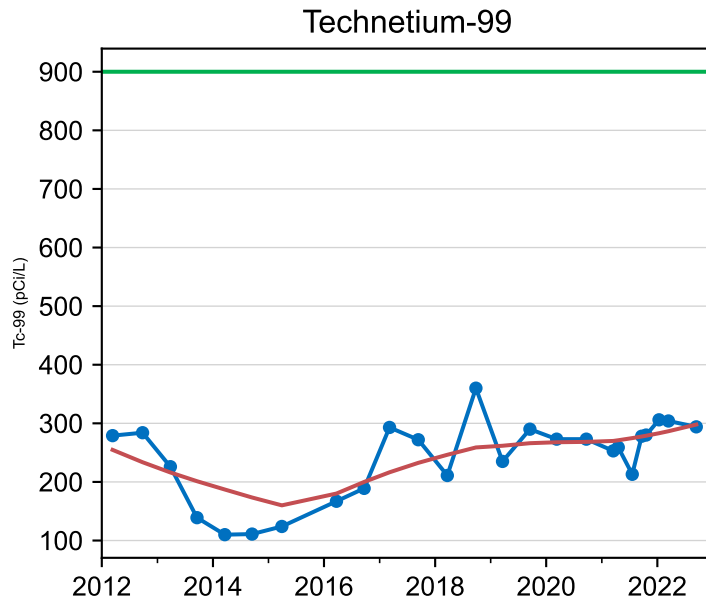
● Data
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Figure 27. Tc-99 and TCE at MW173 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/12/2012	279.0	3700.0
09/25/2012	284.0	1700.0
03/27/2013	226.0	770.0
09/18/2013	139.0	710.0
03/20/2014	110.0	460.0
09/15/2014	111.0	855.0
03/30/2015	124.0	623.0
03/23/2016	167.0	1350.0
09/21/2016	189.0	1200.0
03/07/2017	293.0	1460.0
09/12/2017	272.0	2010.0
03/22/2018	211.0	4550.0
09/26/2018	360.0	3960.0
03/20/2019	235.0	3990.0
09/16/2019	290.0	2880.0
03/10/2020	273.0	3590.0
09/21/2020	273.0	3430.0
03/17/2021	253.0	3760.0
04/19/2021	259.0	3570.0
07/20/2021	213.0	2280.0
09/20/2021	278.0	2770.0 J
10/19/2021	280.0	2640.0
01/12/2022	306.0	2960.0
03/15/2022	304.0	2750.0
09/14/2022	294.0	3180.0



Notes:

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4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

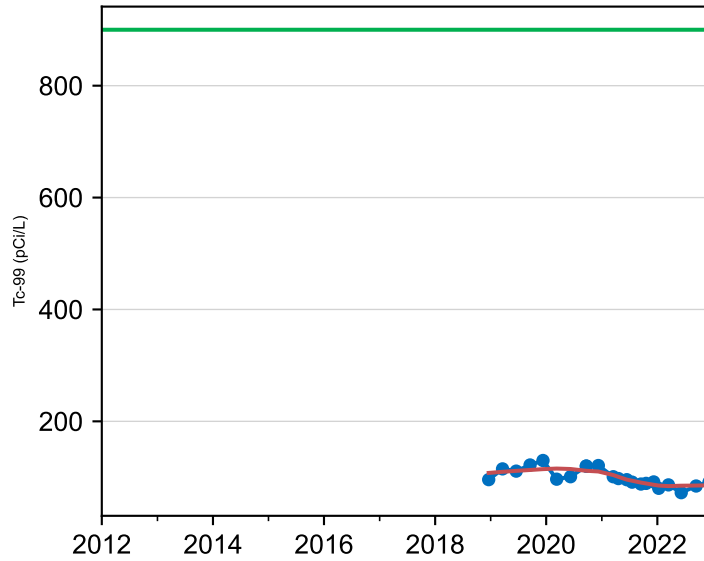
● Data — LOWESS
— MCLs

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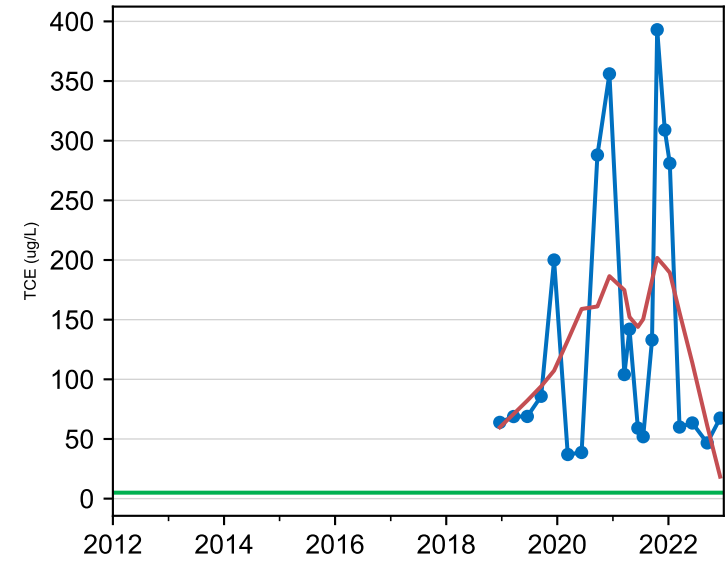

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Figure 28. Tc-99 and TCE at MW175 (MRGA)

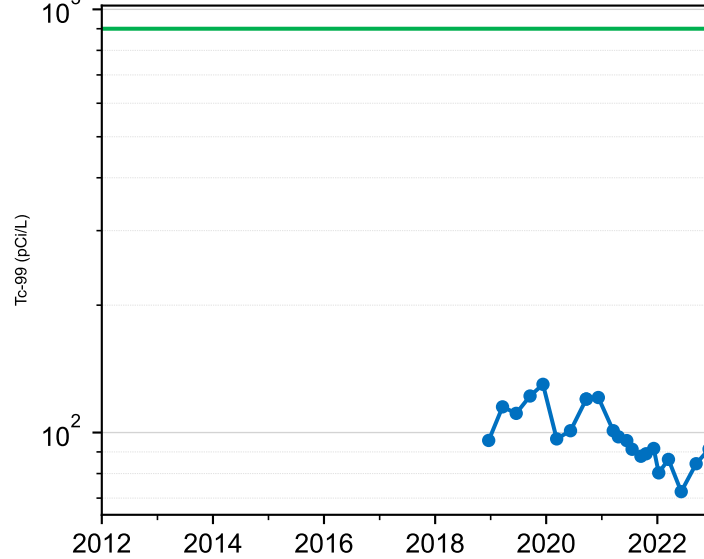
Technetium-99



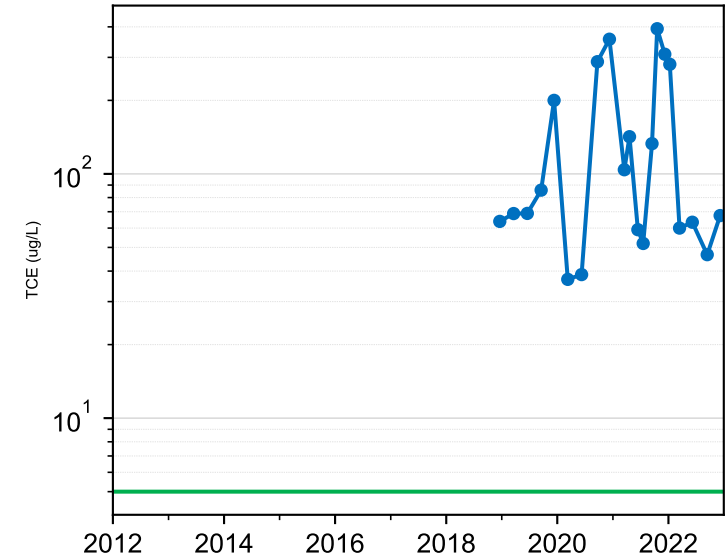
Trichloroethene



Technetium-99



Trichloroethene



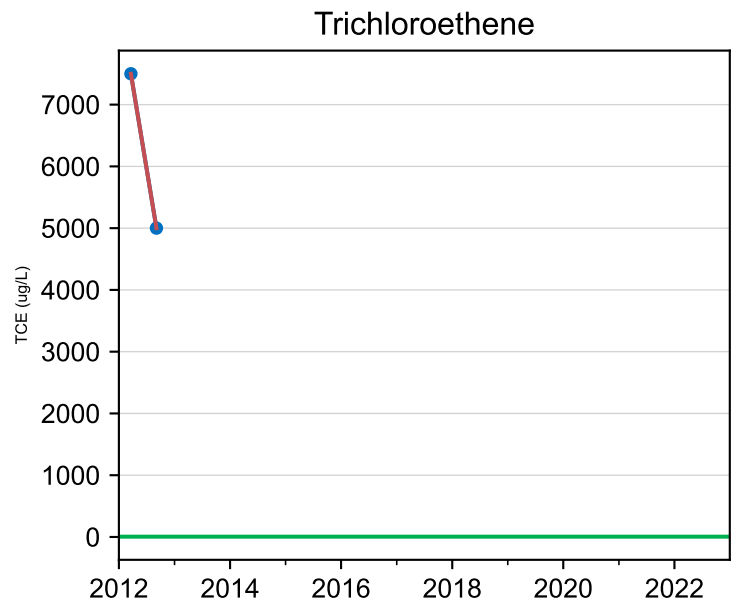
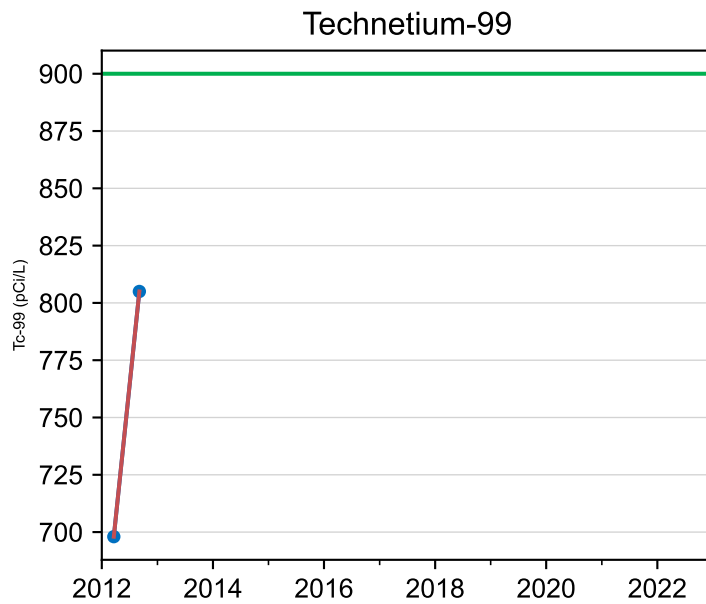
Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/19/2018	95.8	63.9
03/20/2019	115.0	68.8
08/18/2019	111.0	68.9
09/17/2019	122.0	85.8
12/11/2019	130.0	200.0
03/10/2020	96.6	37.0
06/09/2020	101.0	38.7
09/21/2020	120.0	288.0
12/09/2020	121.0	356.0
03/17/2021	101.0	104.0
04/20/2021	97.7	142.0
06/14/2021	95.7	59.1
07/19/2021	91.3	51.9
09/15/2021	87.9	133.0
10/19/2021	89.1	393.0
12/08/2021	91.7	309.0
01/10/2022	80.3	281.0
03/15/2022	86.4	60.0
06/07/2022	72.5	63.4
09/13/2022	84.4	46.7 J
12/07/2022	91.4	67.5

- Notes:
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 2. J = Concentration is estimated.
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

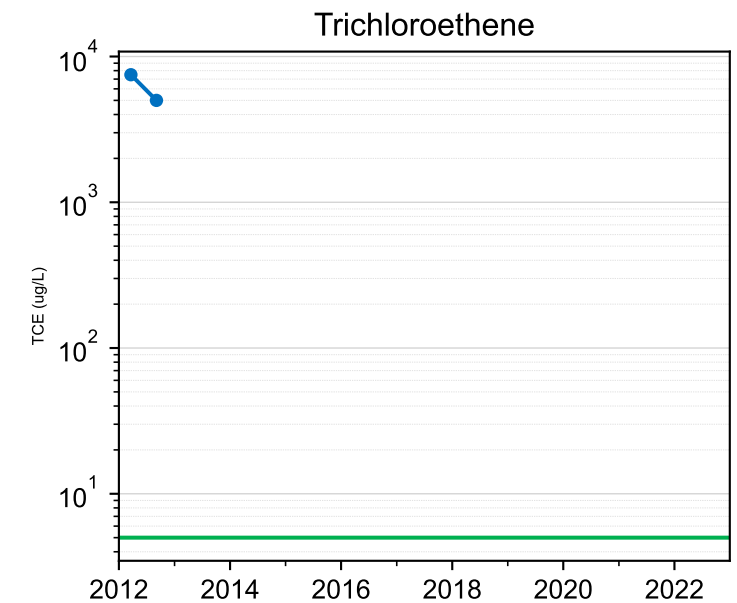
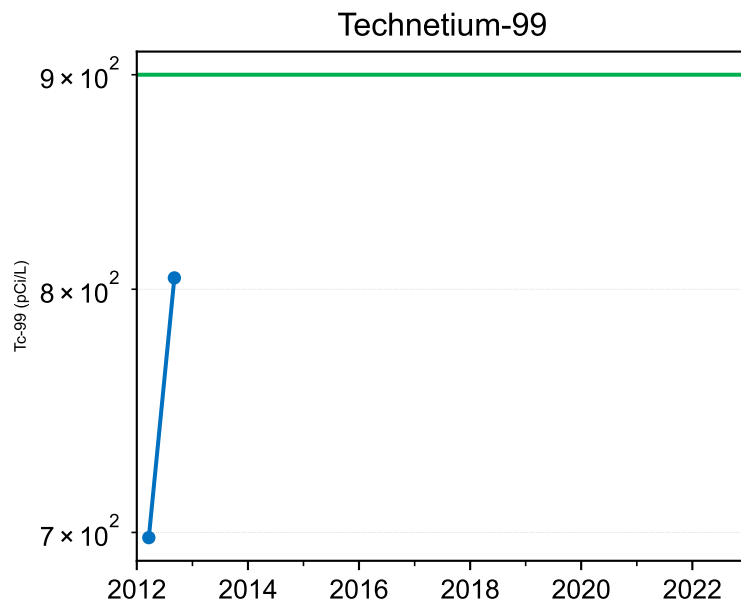
● Data
— LOWESS
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Figure 29. Tc-99 and TCE at MW178 (URGA)



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/20/2012	698.0	7500.0
09/04/2012	805.0	5000.0 J



Notes:

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2. J = Concentration is estimated.
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4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

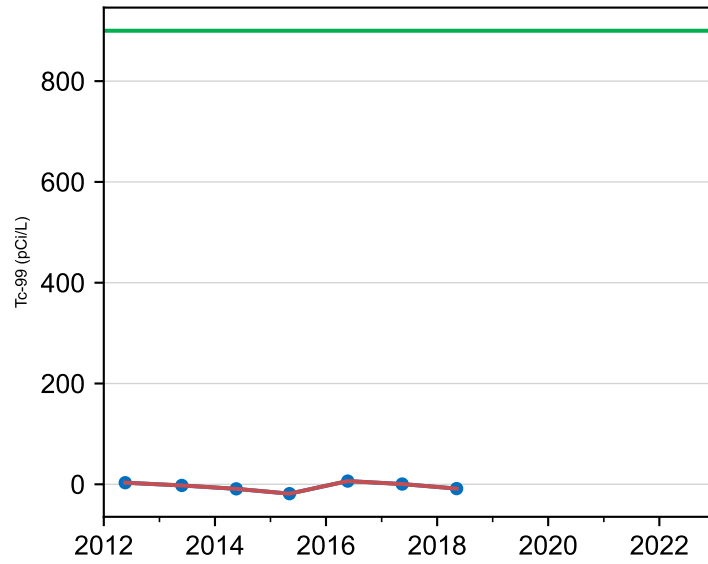
● Data — LOWESS
— MCLs

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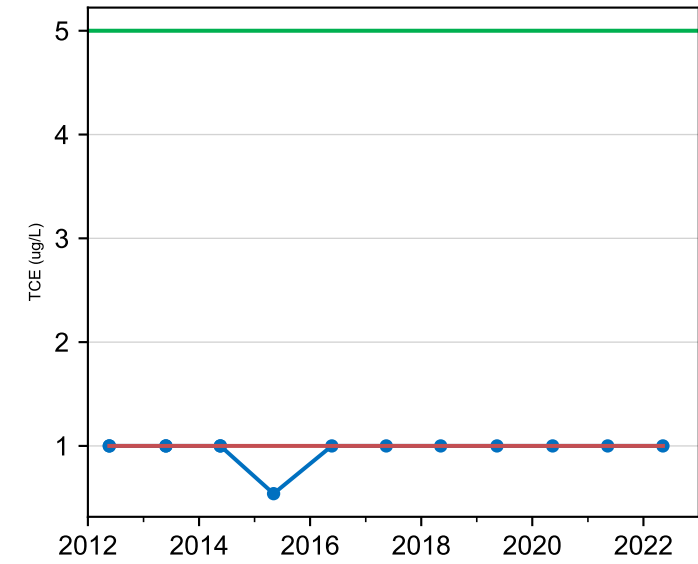

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Figure 30. Tc-99 and TCE at MW185 (MRGA)

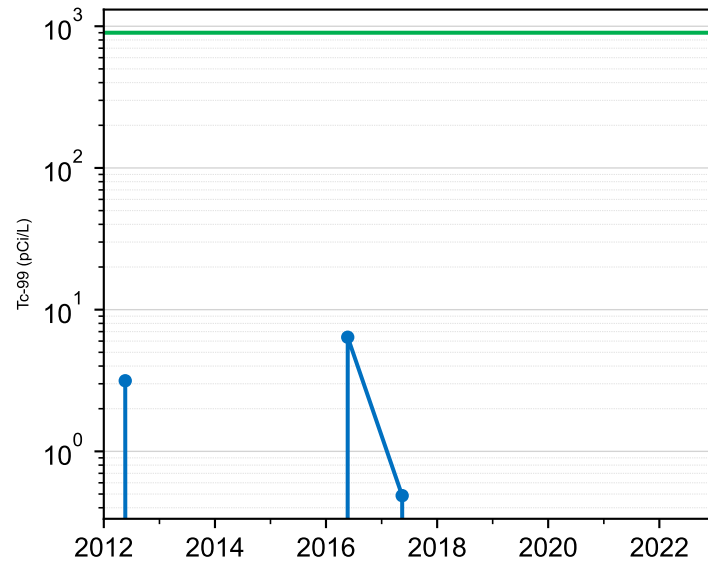
Technetium-99



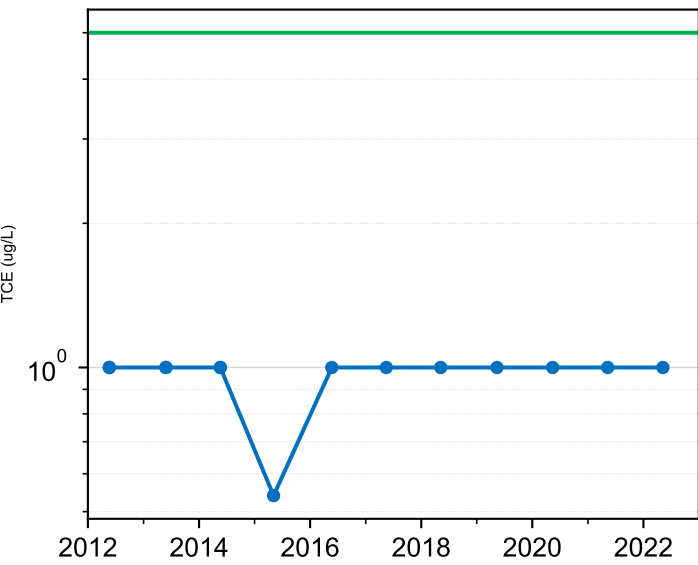
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/21/2012	3.15 U	1.0 U
05/28/2013	-2.27 U	1.0 U
05/21/2014	-9.03 U	1.0 U
05/06/2015	-18.6 U	0.54 J
05/23/2016	6.39 U	1.0 U
05/16/2017	0.487 U	1.0 U
05/09/2018	-8.54 U	1.0 U
05/14/2019		1.0 U
05/14/2020		1.0 U
05/11/2021		1.0 U
05/09/2022		1.0 U

Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

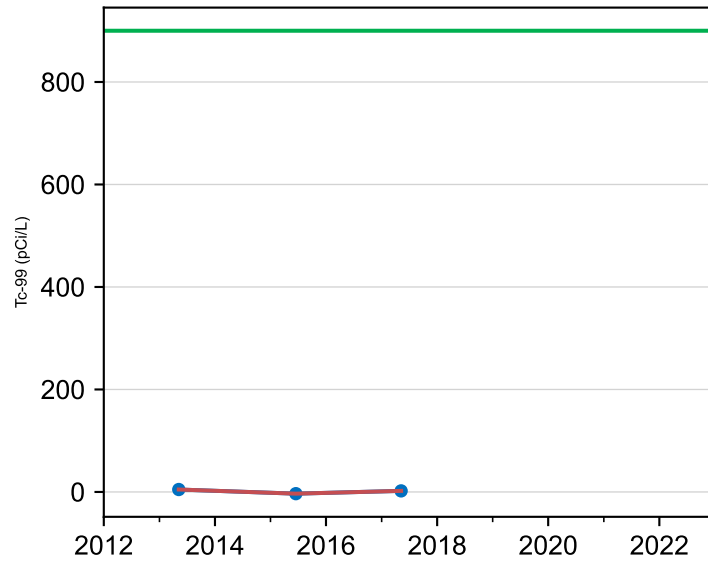
● Data
 — LOWESS
 — MCLs

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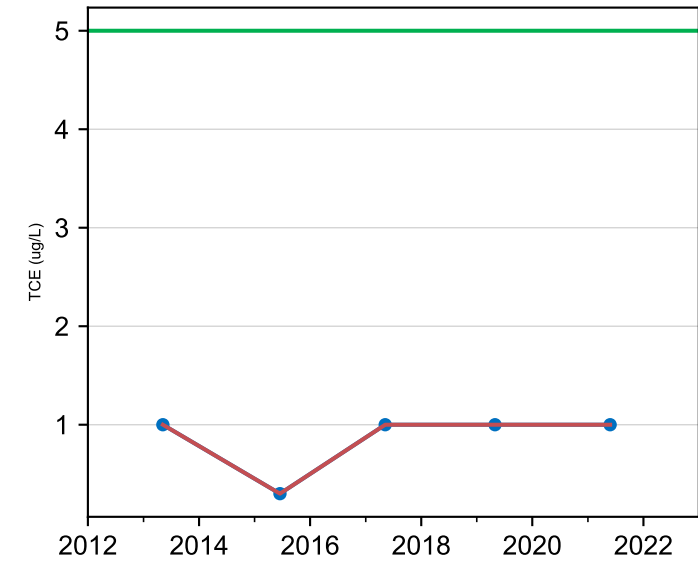
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Figure 31. Tc-99 and TCE at MW191 (MRGA)

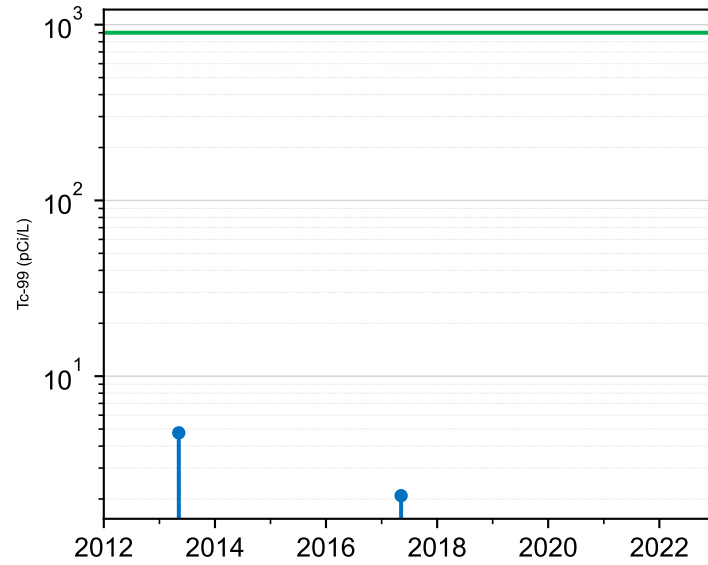
Technetium-99



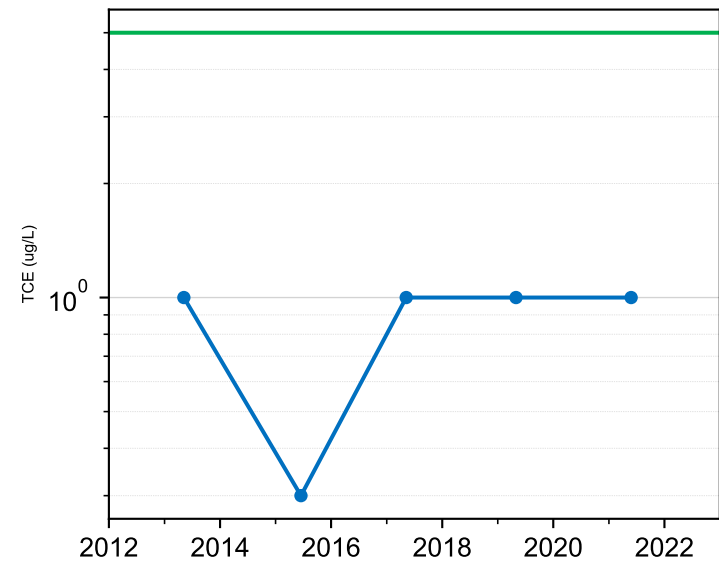
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/08/2013	4.76 U	1.0 U
06/17/2015	-3.34 U	0.3 J
05/09/2017	2.09 U	1.0 U
05/01/2019	1.0 U	1.0 U
05/27/2021	1.0 U	1.0 U

Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
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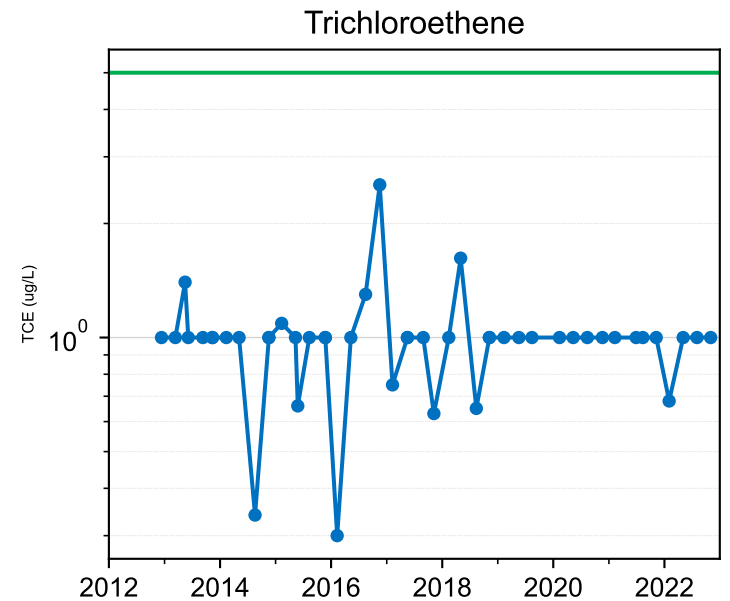
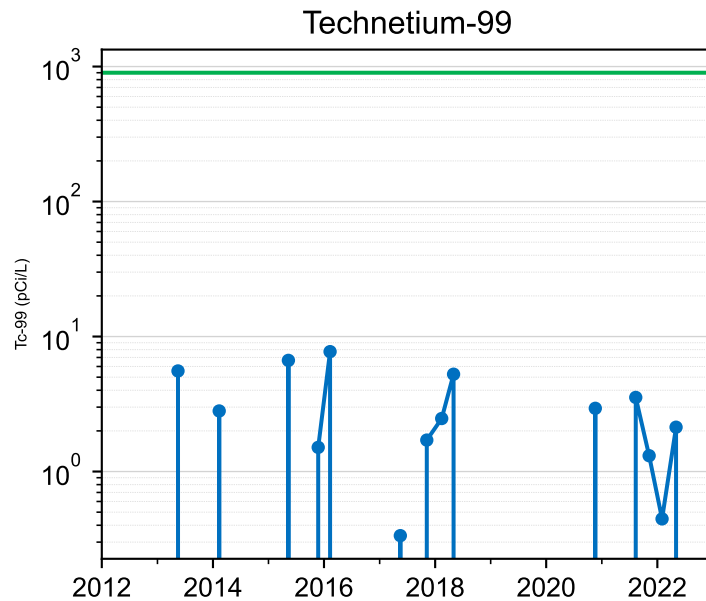
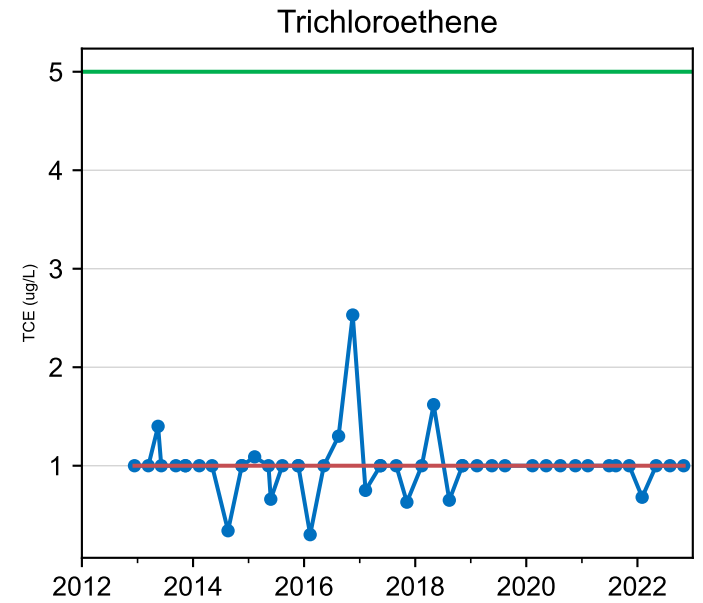
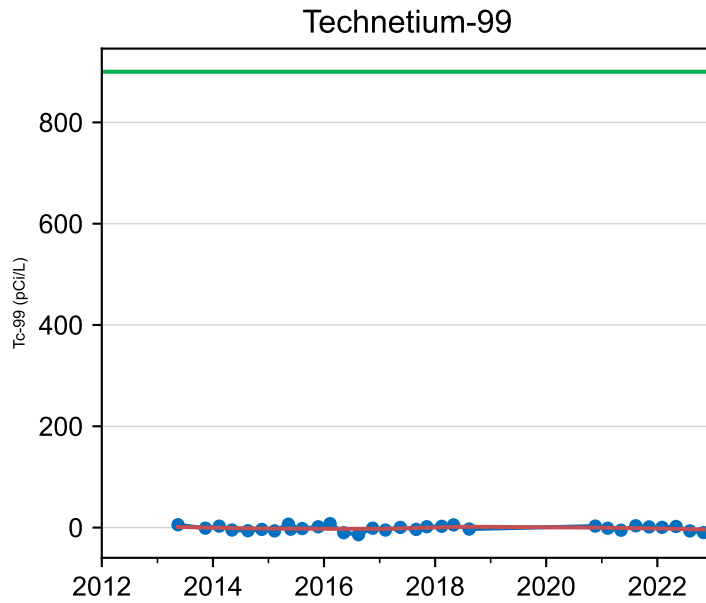
● Data
 — LOWESS
 — MCLs

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Figure 32. Tc-99 and TCE at MW193 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/12/2012		1.0 U
03/13/2013		1.0 U
05/16/2013	5.56 U	1.4
08/06/2013		1.0 U
09/10/2013		1.0 UJ
11/12/2013	-1.22 U	1.0 U
02/11/2014	2.81 U	1.0 U
05/06/2014	-4.82 U	1.0 U
08/19/2014	-6.19 U	0.34 J
11/18/2014	-3.64 U	1.0 U
02/10/2015	-6.49 U	1.09
05/12/2015	6.66 U	1.0 U
05/27/2015	-3.2 U	0.66 J
08/11/2015	-1.92 U	1.0 U
11/24/2015	1.51 U	1.0 U
02/10/2016	7.73 U	0.3 J
05/10/2016	-10.1 U	1.0 U
08/15/2016	-14.0 U	1.3
11/16/2016	-1.21 U	2.53
02/08/2017	-4.87 U	0.75 J
05/17/2017	0.335 U	1.0 U
08/29/2017	-3.52 U	1.0 U
11/07/2017	1.71 U	0.63 J
02/13/2018	2.47 U	1.0 U
05/02/2018	5.26 U	1.62
08/13/2018	-2.95 U	0.65 J
11/07/2018		1.0 U
02/11/2019		1.0 U
05/20/2019		1.0 U
08/14/2019		1.0 U
02/11/2020		1.0 U
05/11/2020		1.0 U
08/12/2020		1.0 U
11/19/2020	2.94 U	1.0 U
02/09/2021	-1.33 UJ	1.0 U
05/07/2021	-5.19 U	
08/29/2021		1.0 U
08/12/2021	3.54 U	1.0 U
11/08/2021	1.31 U	1.0 U
02/01/2022	0.446 U	0.68 J
05/04/2022	2.13 U	1.0 U
08/03/2022	-6.57 U	1.0 U
11/01/2022	-9.9 U	1.0 U



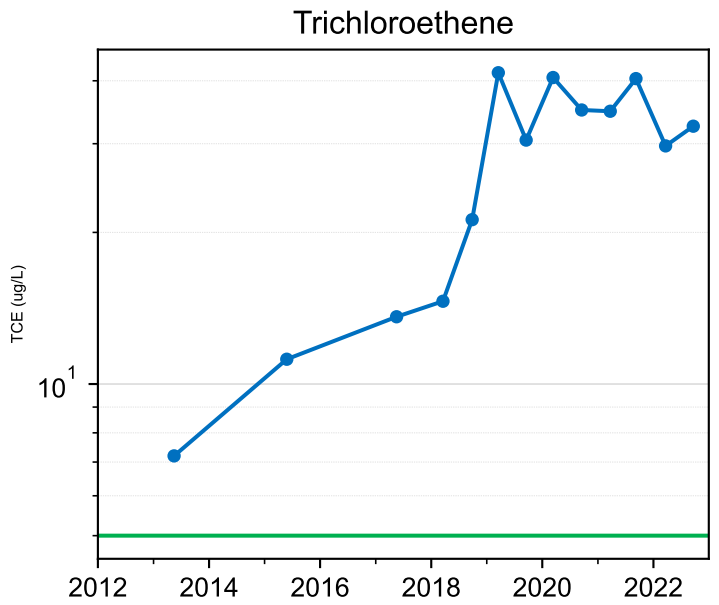
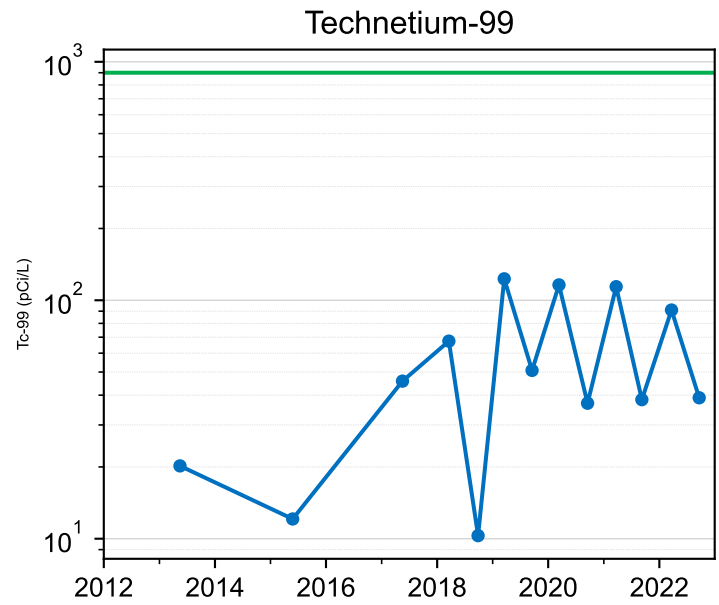
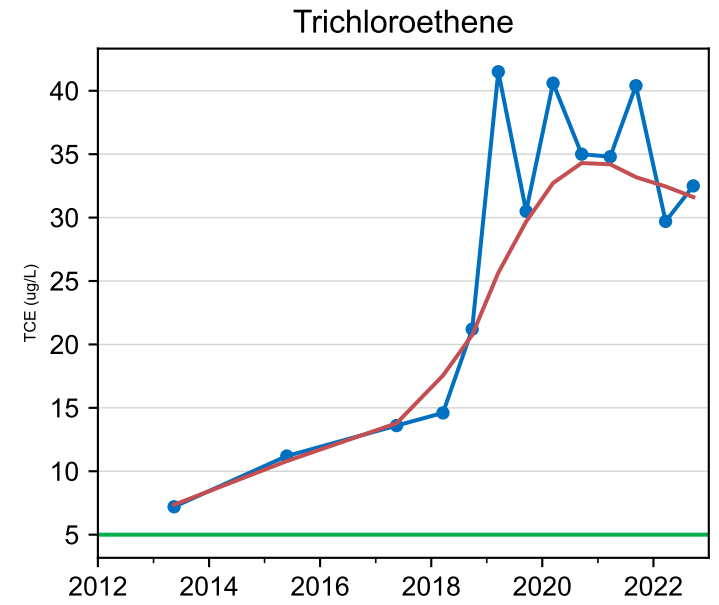
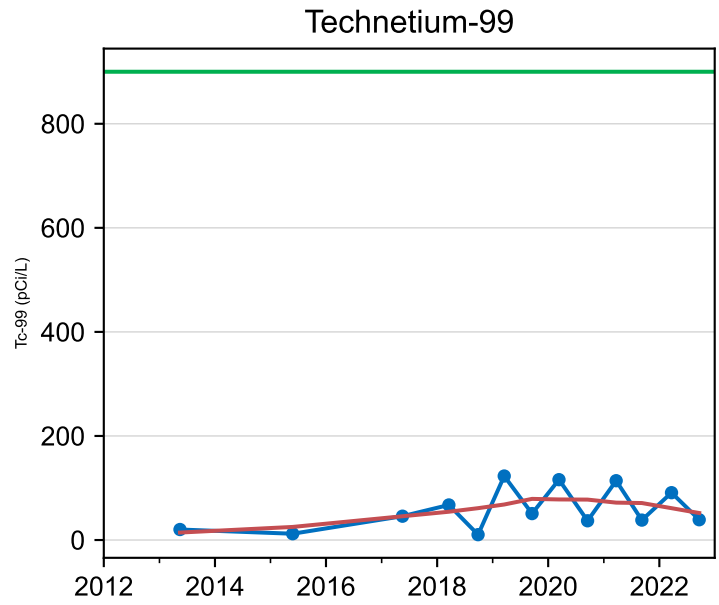
- Notes:
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 2. J = Concentration is estimated.
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

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Figure 33. Tc-99 and TCE at MW194 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/16/2013	20.2	7.2
05/27/2015	12.1 U	11.2
05/18/2017	45.8	13.6
03/19/2018	67.4	14.6
09/27/2018	10.3 U	21.2
03/18/2019	123.0	41.5
09/17/2019	50.8	30.5
03/12/2020	116.0	40.6
09/16/2020	37.0	35.0
03/23/2021	114.0	34.8
09/08/2021	38.3	40.4
03/22/2022	91.0	29.7
09/20/2022	39.0	32.5



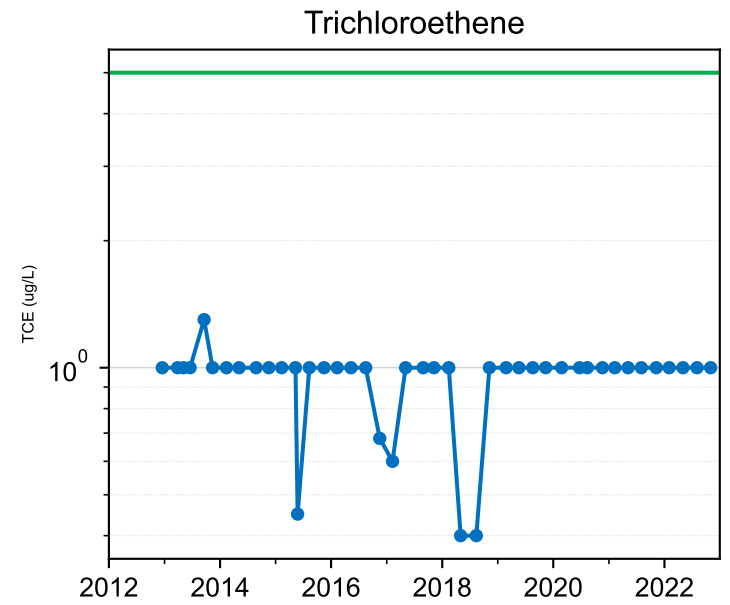
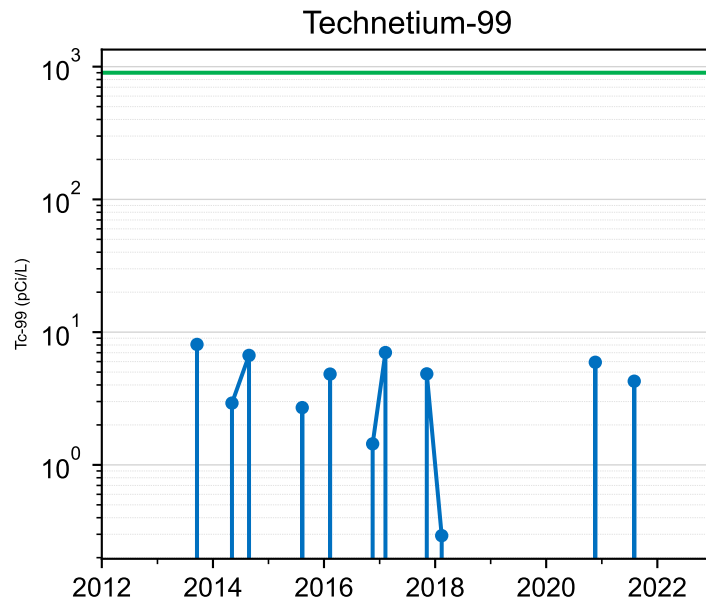
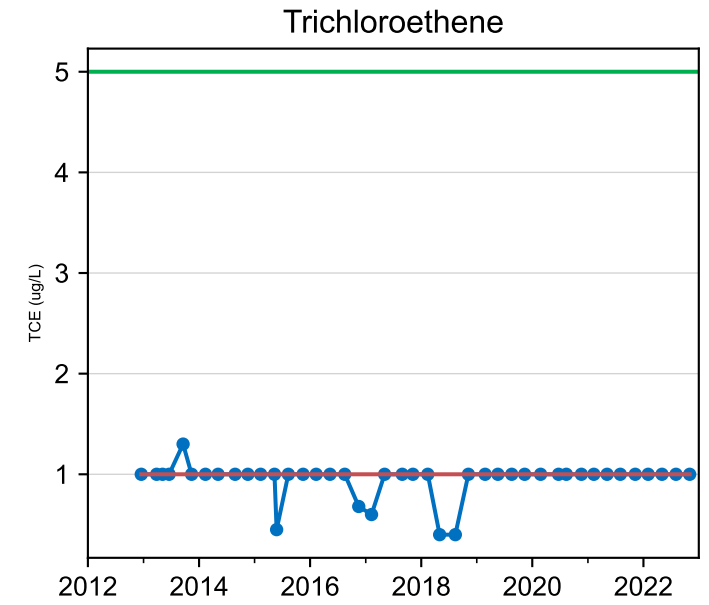
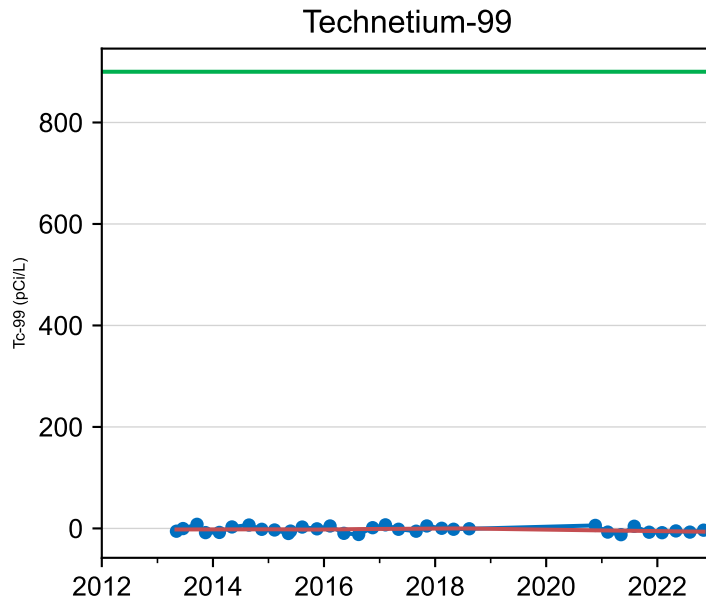
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 34. Tc-99 and TCE at MW197 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/17/2012		1.0 U
03/28/2013		1.0 U
05/06/2013	-5.47 U	1.0 U
06/18/2013	-0.283 U	1.0 U
09/18/2013	8.08 U	1.3 J
11/13/2013	-8.25 U	1.0 U
02/12/2014	-7.86 U	1.0 U
05/06/2014	2.92 U	1.0 U
08/26/2014	6.68 U	1.0 U
11/18/2014	-1.74 U	1.0 U
02/10/2015	-3.06 U	1.0 U
05/12/2015	-9.96 U	1.0 U
05/26/2015	-5.27 U	0.45 J
08/11/2015	2.7 U	1.0 U
11/16/2015	-0.617 U	1.0 U
02/10/2016	4.83 U	1.0 U
05/11/2016	-9.66 U	1.0 U
08/16/2016	-11.9 U	1.0
11/16/2016	1.44 U	0.68 J
02/08/2017	7.02 U	0.6 J
05/05/2017	-1.67 U	1.0 U
08/29/2017	-5.48 U	1.0 U
11/07/2017	4.85 U	1.0 U
02/13/2018	0.293 U	1.0 U
05/02/2018	-1.63 U	0.4 J
08/13/2018	-0.664 U	0.4 J
11/07/2018		1.0 U
02/25/2019		1.0 U
05/20/2019		1.0 U
08/19/2019		1.0 U
11/12/2019		1.0 U
02/25/2020		1.0 U
06/22/2020		1.0 U
08/12/2020		1.0 U
11/19/2020	5.93 U	1.0 U
02/09/2021	-7.21 UJ	1.0 U
05/07/2021	-12.3 U	1.0 U
08/02/2021	4.27 U	1.0 U
11/08/2021	-7.46 U	1.0 U
02/01/2022	-8.4 U	1.0 U
05/03/2022	-4.93 U	1.0 U
08/03/2022	-7.25 U	1.0 U
11/01/2022	-3.46 U	1.0 U



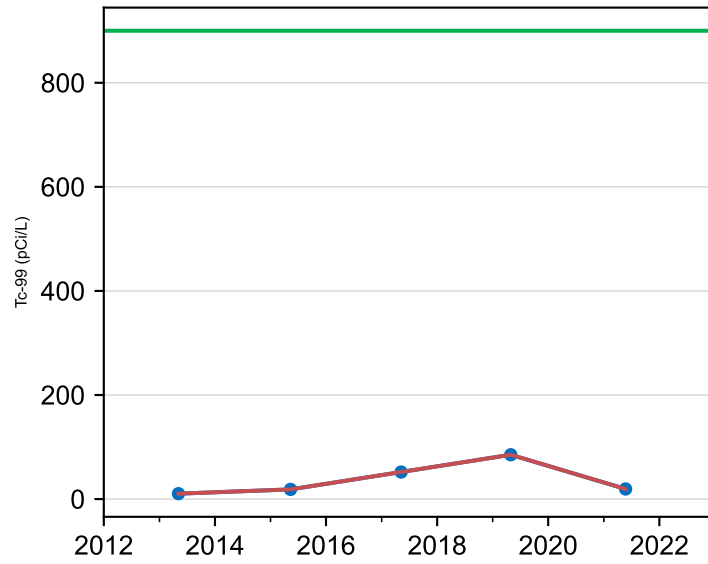
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
 — MCLs

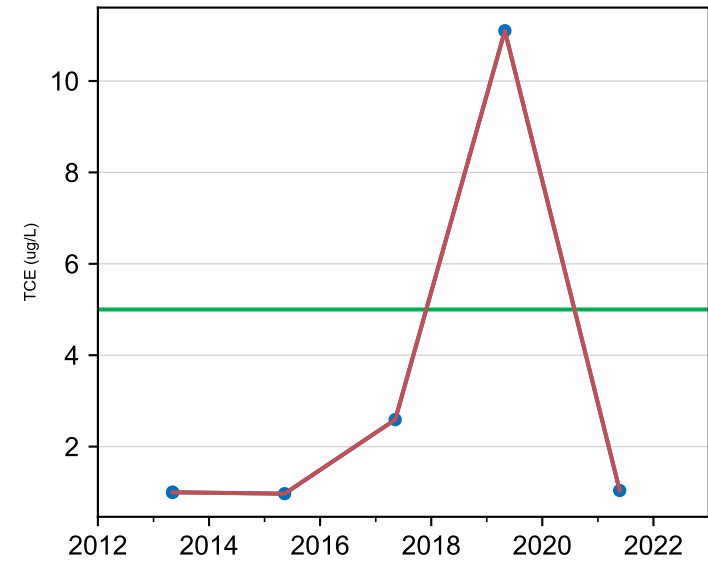
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Figure 35. Tc-99 and TCE at MW199 (LRGA)

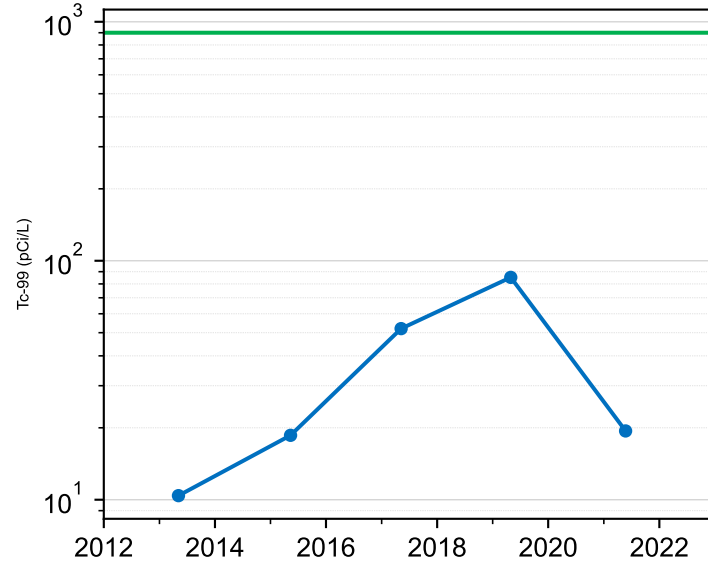
Technetium-99



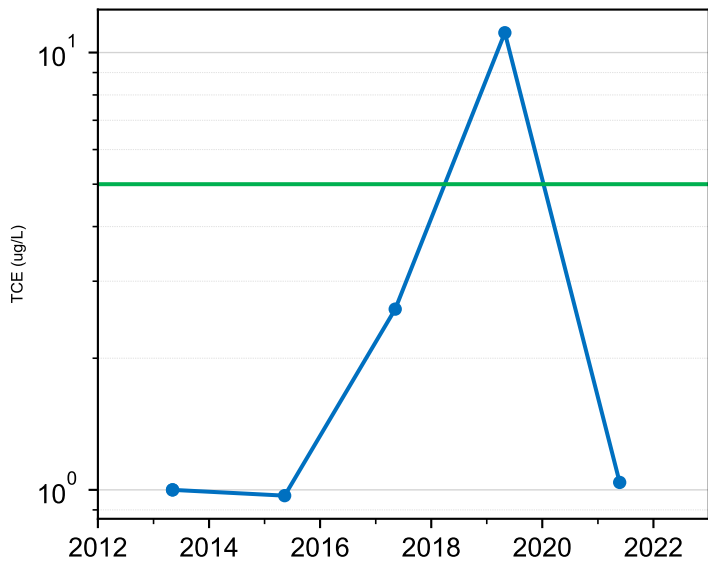
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/06/2013	10.4 U	1.0 U
05/13/2015	18.6 U	0.97 J
05/09/2017	52.0	2.59
04/30/2019	85.2	11.1
05/24/2021	19.4	1.04

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

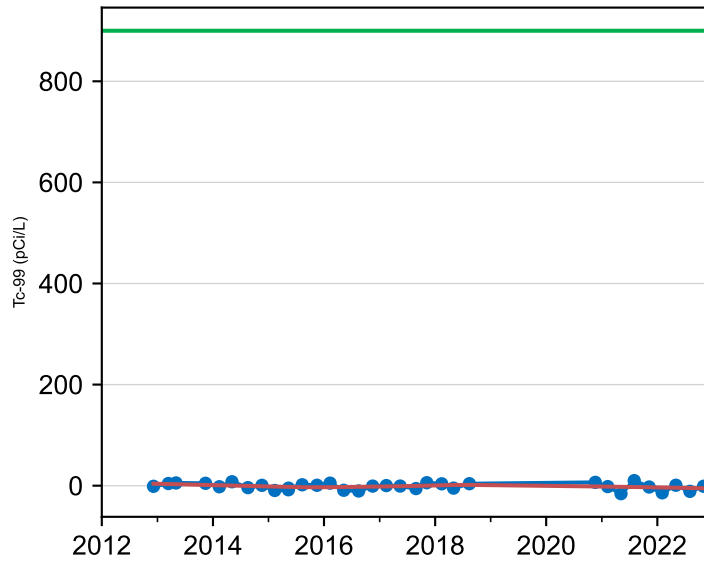
● Data
 — LOWESS
 — MCLs

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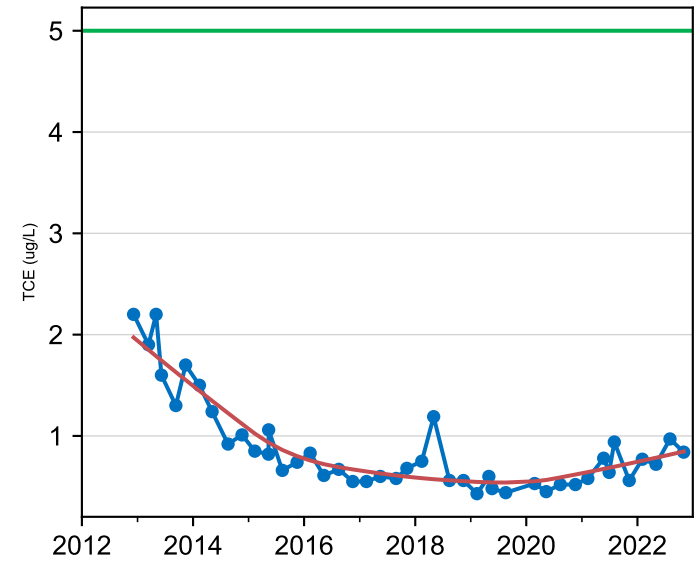
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 36. Tc-99 and TCE at MW200 (MRGA)

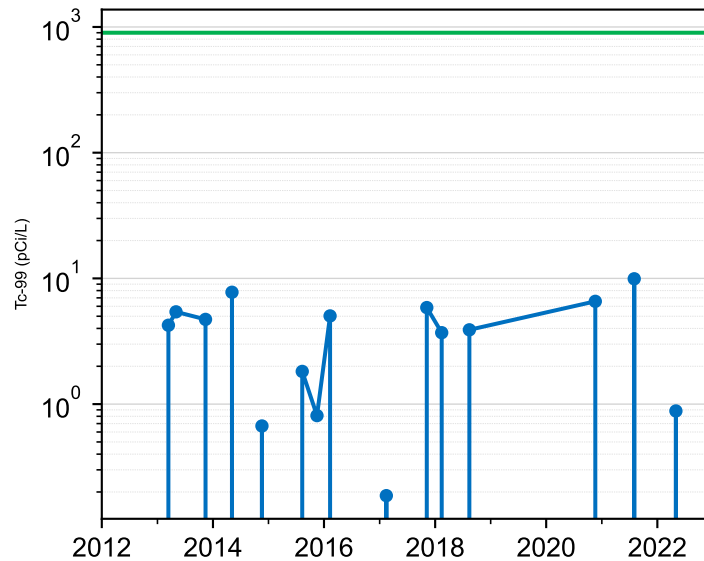
Technetium-99



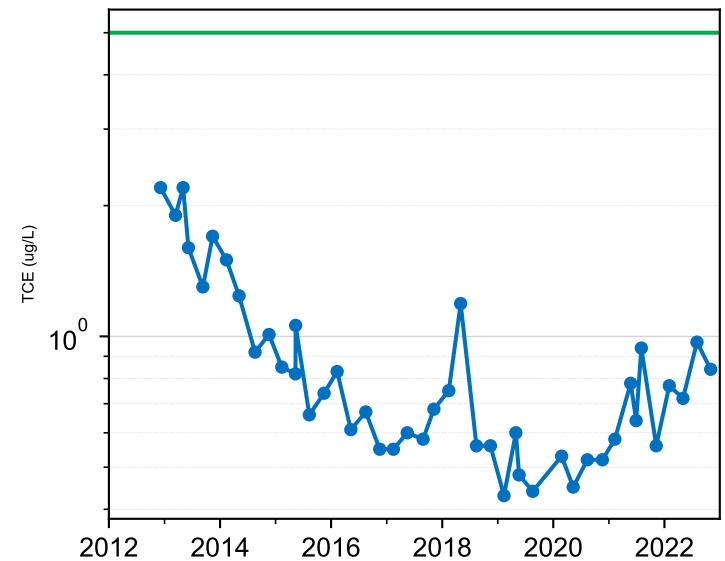
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/06/2012	-1.22 U	2.2
03/14/2013	4.24 U	1.9
05/03/2013	5.42 U	2.2
06/07/2013		1.6
09/10/2013		1.3 J
11/13/2013	4.72 U	1.7
02/12/2014	-2.11 U	1.5
05/06/2014	7.76 U	1.24
08/19/2014	-3.87 U	0.92 J
11/19/2014	0.67 U	1.01
02/11/2015	-9.46 U	0.85 J
05/12/2015	-8.07 U	0.82 J
05/13/2015	-4.88 U	1.06
08/11/2015	1.82 U	0.66 J
11/16/2015	0.81 U	0.74 J
02/10/2016	5.03 U	0.83 J
05/10/2016	-9.1 U	0.61 J
08/16/2016	-10.5 U	0.67 J
11/16/2016	-0.83 U	0.55 J
02/14/2017	0.187 U	0.55 J
05/16/2017	-0.77 U	0.6 J
08/28/2017	-5.75 U	0.58 J
11/07/2017	5.86 U	0.68 J
02/13/2018	3.7 U	0.75 J
05/02/2018	-4.8 U	1.19
08/14/2018	3.9 U	0.56 J
11/14/2018		0.56 J
02/11/2019		0.43 J
04/30/2019		0.6 J
05/21/2019		0.48 J
08/19/2019		0.44 J
02/25/2020		0.53 J
05/11/2020		0.45 J
08/12/2020		0.52 J
11/19/2020	6.57 U	0.52 J
02/09/2021	-1.81 UJ	0.58 J
05/07/2021	-15.8 U	
05/24/2021		0.78 J
06/29/2021		0.64 J
08/02/2021	9.93 U	0.94 J
11/08/2021	-2.65 U	0.56 J
02/02/2022	-14.1 U	0.77 J
05/03/2022	0.882 U	0.72 J
08/03/2022	-11.2 U	0.97 J
11/01/2022	-1.15 U	0.84 J

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

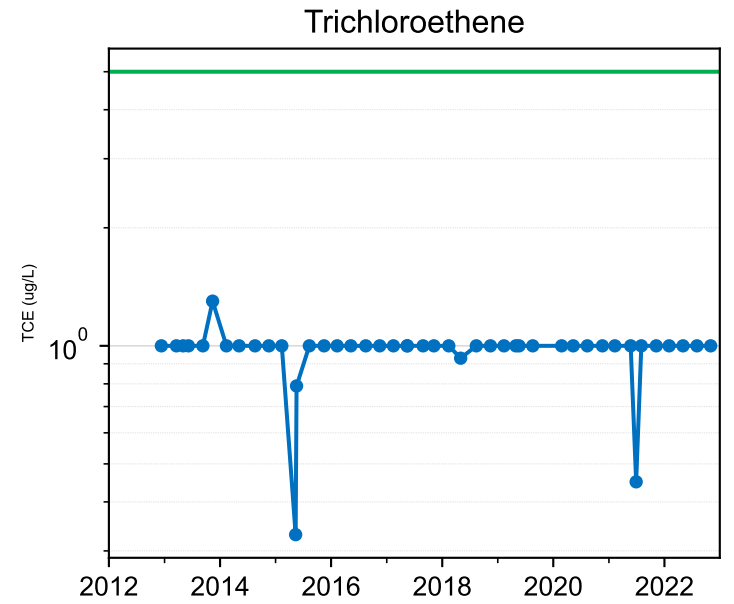
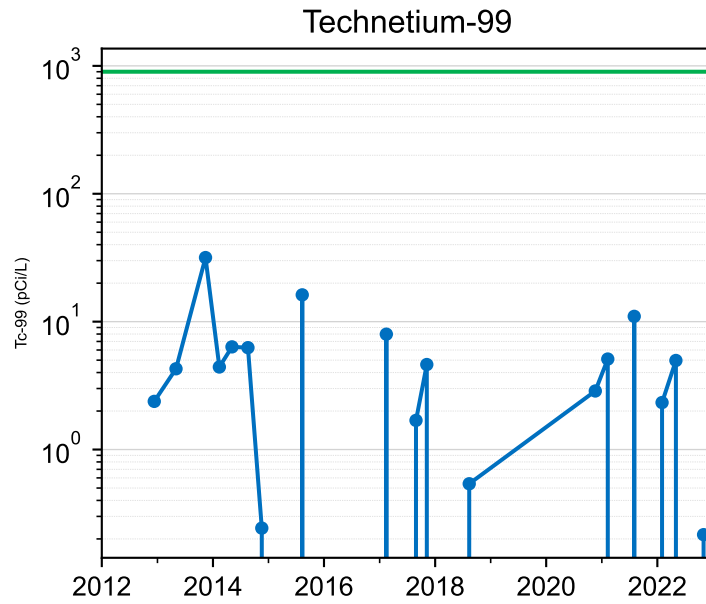
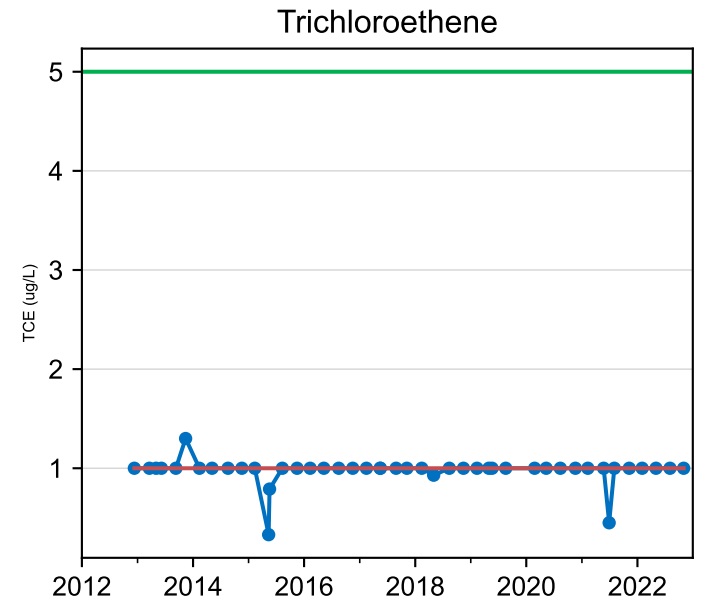
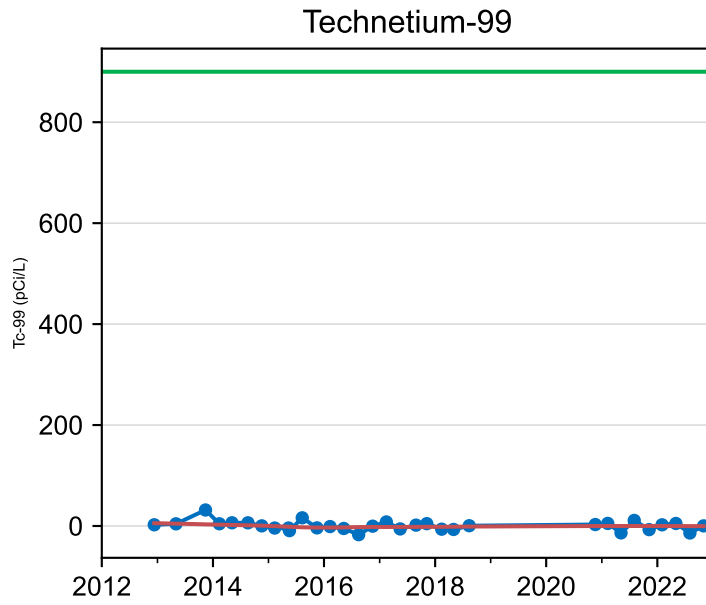
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Figure 37. Tc-99 and TCE at MW201 (MRGA)

Source: Trend_Plots_V1.ipynb

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/11/2012	2.38 U	1.0 U
03/20/2013		1.0 UJ
05/03/2013	4.28 U	1.0 U
06/07/2013		1.0 U
09/10/2013		1.0 U
11/13/2013	31.7	1.3
02/12/2014	4.42 U	1.0 U
05/06/2014	6.35 U	1.0 U
08/19/2014	6.26 U	1.0 U
11/18/2014	0.243 U	1.0 U
02/11/2015	-4.07 U	1.0 U
05/13/2015	-4.02 U	0.33 J
05/19/2015	-9.19 U	0.79 J
08/11/2015	16.2 U	1.0 U
11/16/2015	-3.76 U	1.0 U
02/10/2016	-1.17 U	1.0 U
05/10/2016	-4.95 U	1.0 U
08/16/2016	-17.2 U	1.0 U
11/16/2016	-0.379 U	1.0 U
02/14/2017	7.98 U	1.0 U
05/16/2017	-5.86 U	1.0 U
08/28/2017	1.69 U	1.0 U
11/07/2017	4.62 U	1.0 U
02/13/2018	-6.34 U	1.0 U
05/02/2018	-6.89 U	0.93 J
08/13/2018	0.54 U	1.0 U
11/14/2018		1.0 U
02/11/2019		1.0 U
04/30/2019		1.0 U
05/21/2019		1.0 U
08/19/2019		1.0 U
02/25/2020		1.0 U
05/11/2020		1.0 U
08/12/2020		1.0 U
11/19/2020	2.87 U	1.0 U
02/09/2021	5.1 UJ	1.0 U
05/07/2021	-13.7 U	
05/24/2021		1.0 U
06/29/2021		0.45 J
08/02/2021	11.0 U	1.0 U
11/08/2021	-7.22 U	1.0 U
02/01/2022	2.33 U	1.0 U
05/03/2022	4.97 U	1.0 U
08/03/2022	-13.9 U	1.0 U
11/01/2022	0.216 U	1.0 U



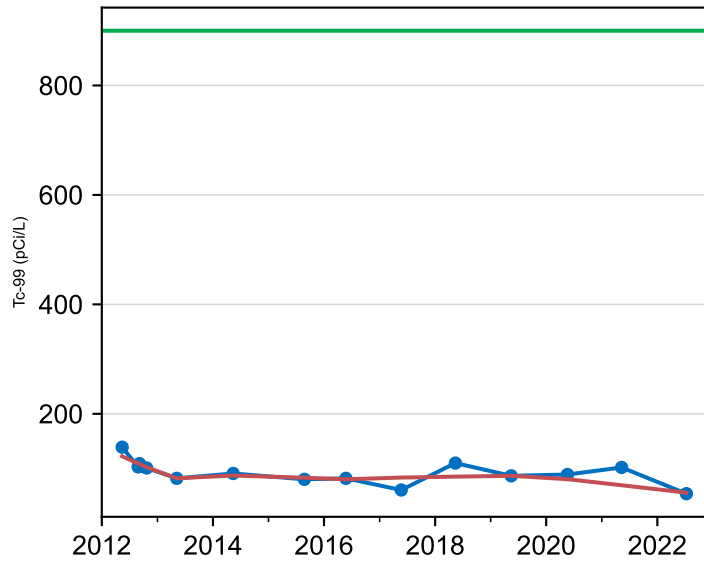
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

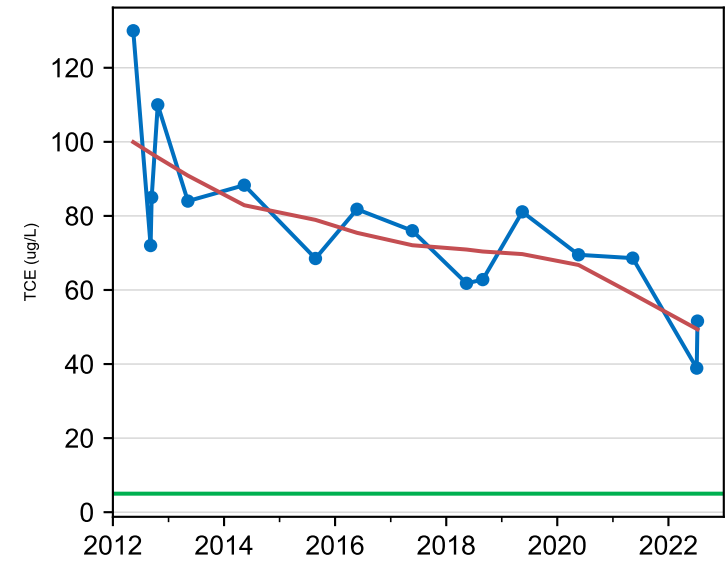
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Figure 38. Tc-99 and TCE at MW202 (LRGA)

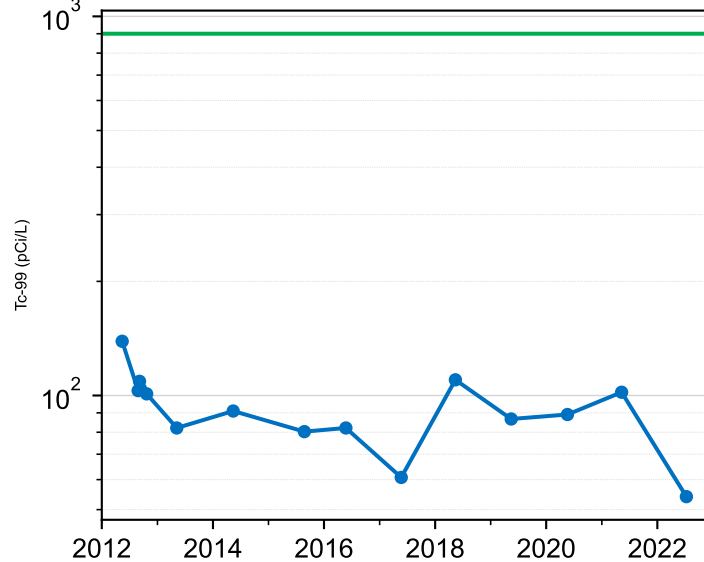
Technetium-99



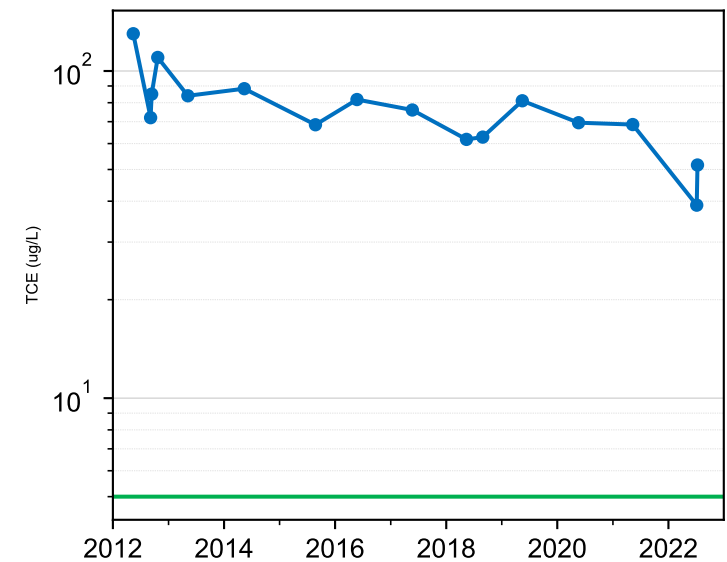
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/14/2012	139.0	130.0
08/27/2012	103.0	
09/05/2012	109.0	72.0 J
09/12/2012	104.0	85.0 J
10/22/2012	101.0	110.0
05/08/2013	82.1	84.0
05/14/2014	91.0	88.3
08/25/2015	80.3	68.5
05/24/2016	82.1	81.8
05/23/2017	60.8	76.0
05/14/2018	110.0	61.8 J
08/29/2018		62.8
05/16/2019	86.7	81.1
05/20/2020	89.1	69.5
05/11/2021	102.0	68.6
07/06/2022		38.9
07/11/2022	54.1	51.6

- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

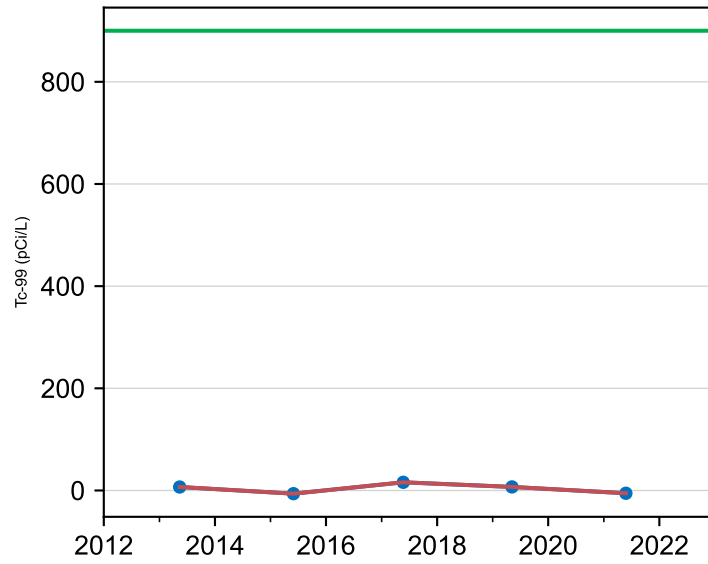
● Data
— LOWESS
— MCLs

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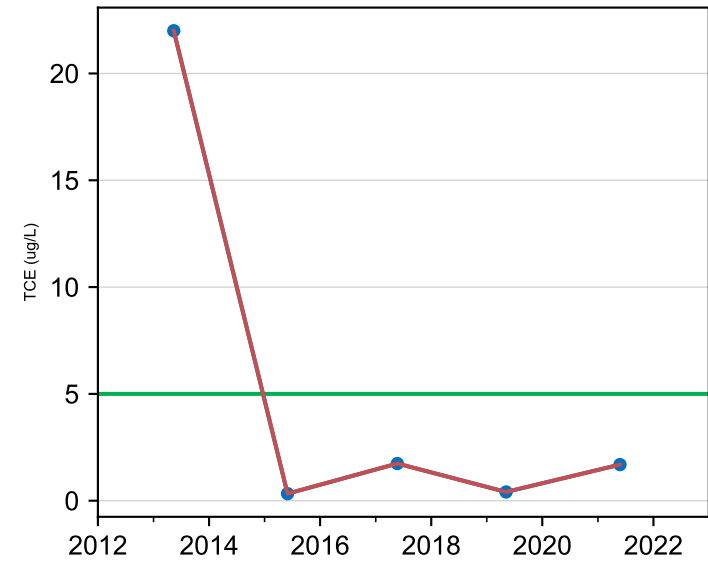
FOUR RIVERS
NUCLEAR PARTNERSHIP, LLC

Figure 39. Tc-99 and TCE at MW203 (MRGA)

Technetium-99

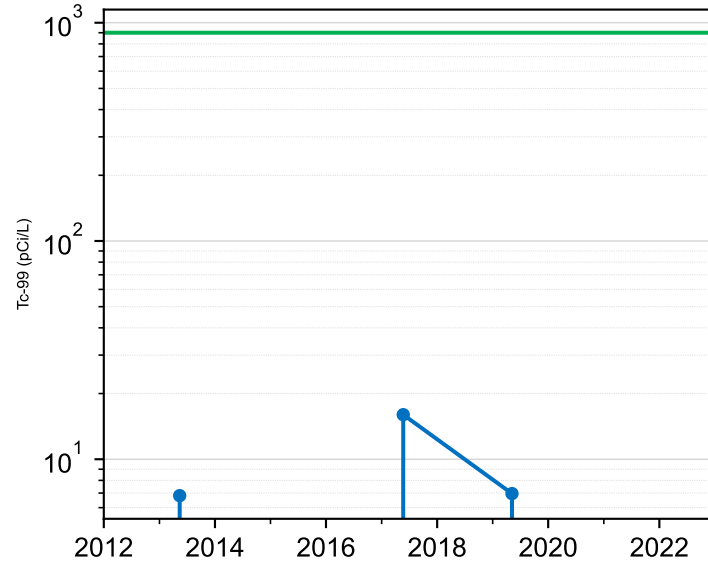


Trichloroethene

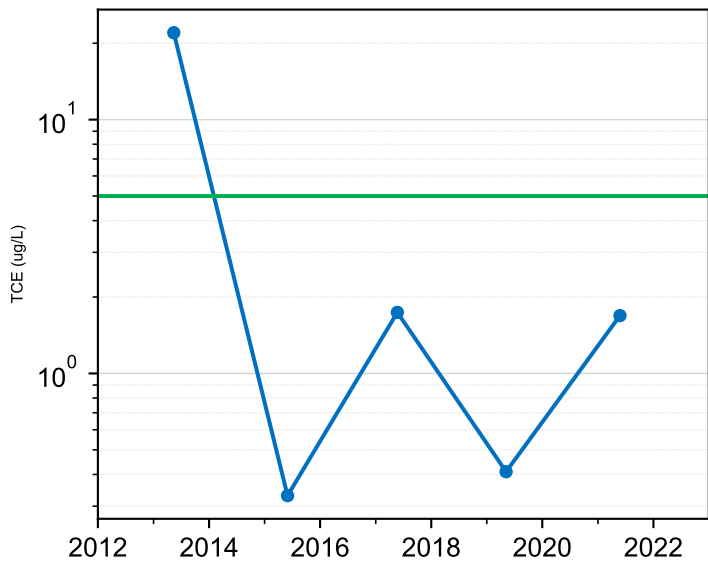


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/14/2013	6.81 U	22.0
06/01/2015	-6.24 U	0.33 J
05/23/2017	16.0 U	1.74
05/08/2019	6.96 U	0.41 J
05/26/2021	-5.45 U	1.69 J

Technetium-99



Trichloroethene



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

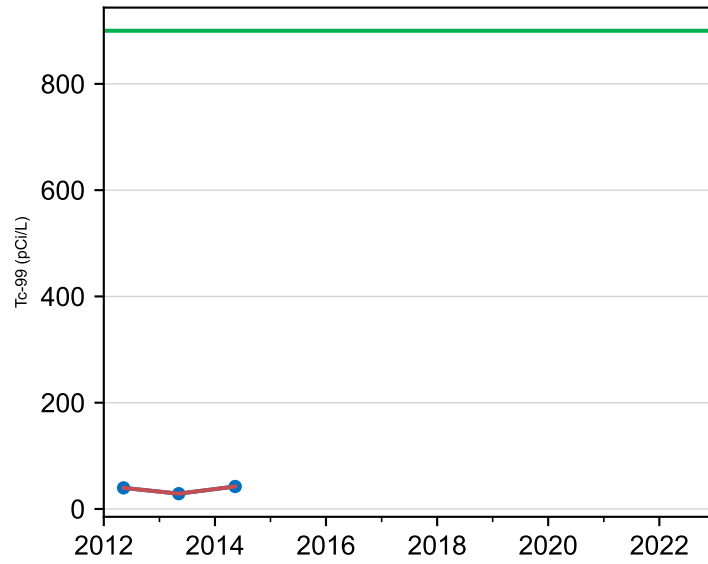
● Data
 — LOWESS
 — MCLs

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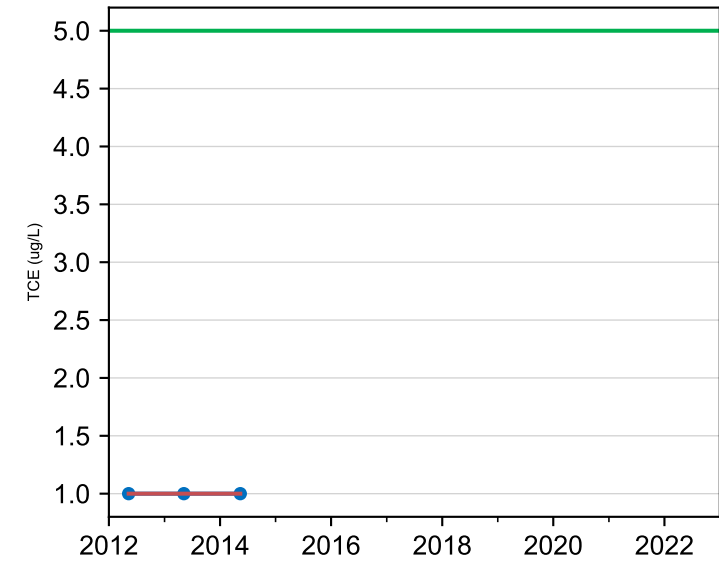
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 40. Tc-99 and TCE at MW205 (URGA)

Technetium-99

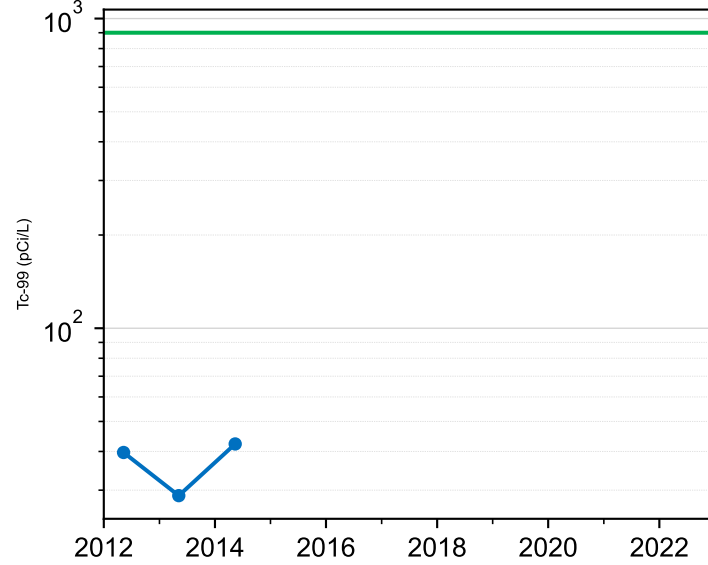


Trichloroethene

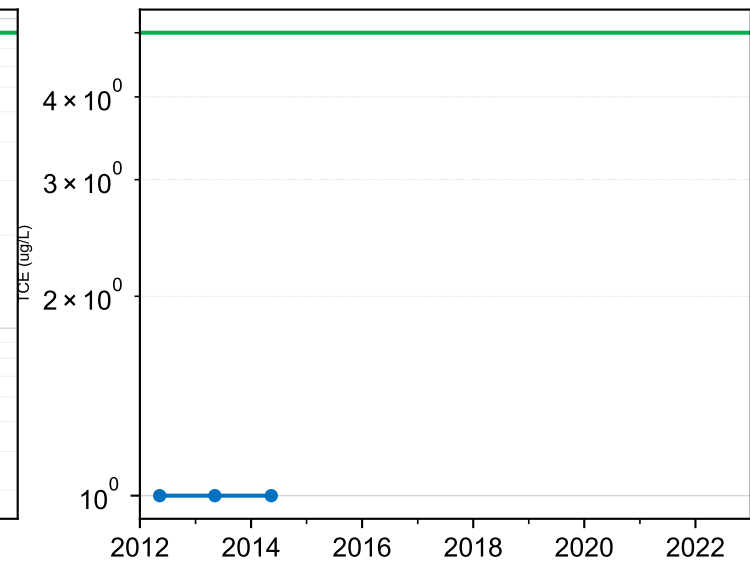


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/10/2012	39.7	1.0 U
05/08/2013	28.8	1.0 U
05/14/2014	42.3	1.0 U

Technetium-99



Trichloroethene



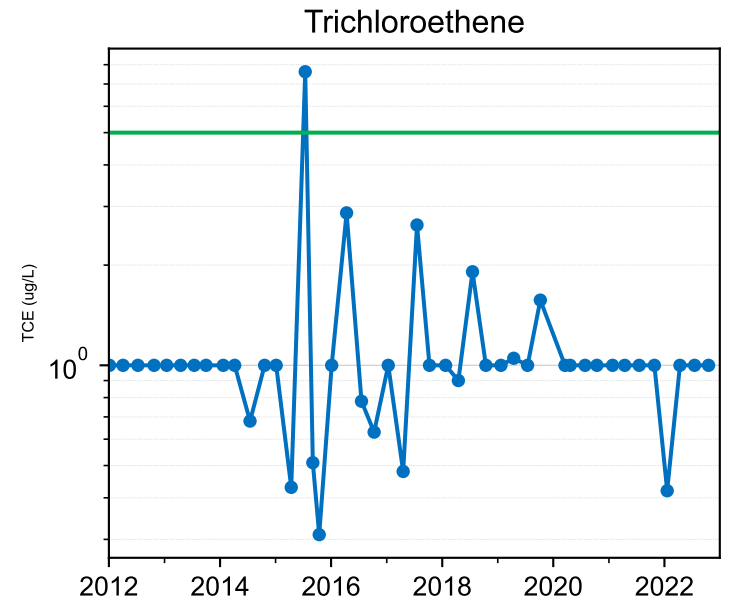
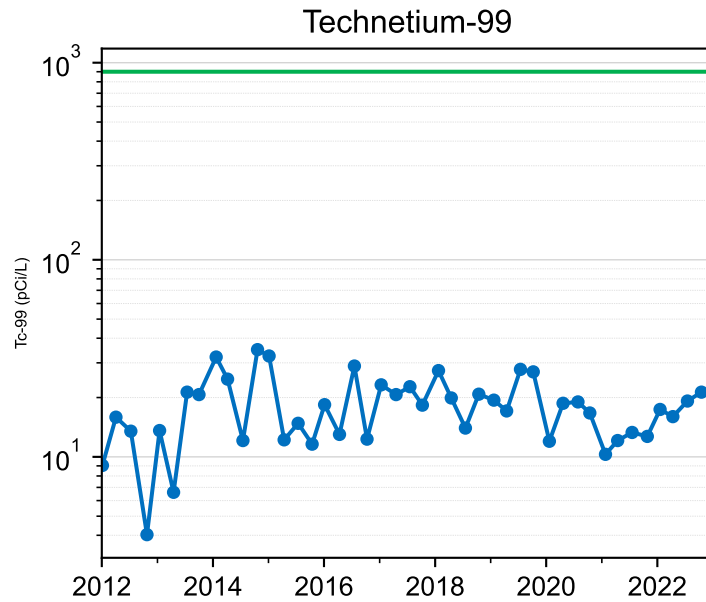
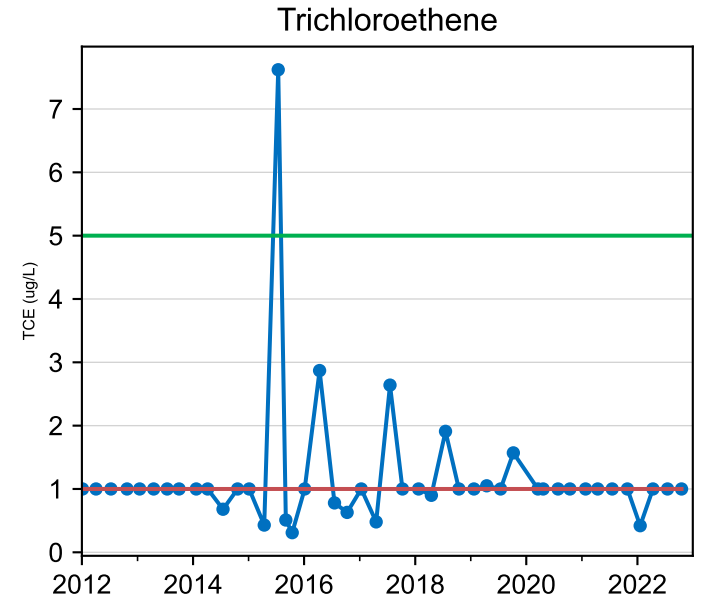
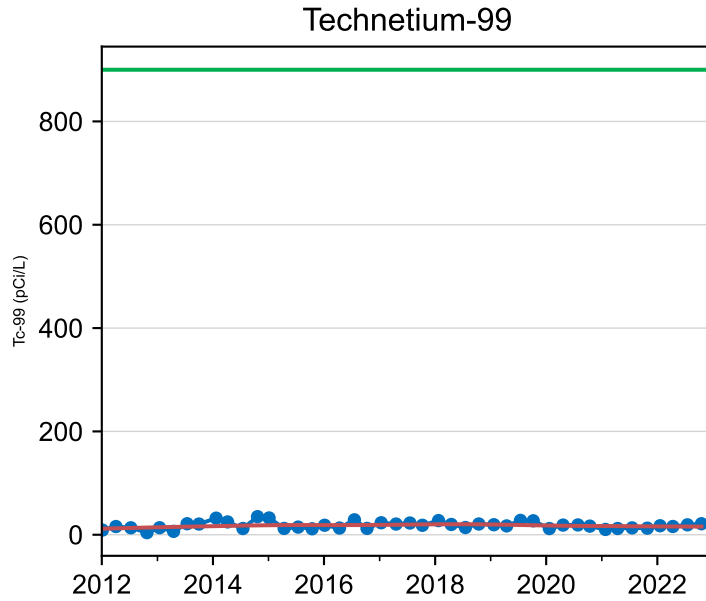
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 41. Tc-99 and TCE at MW206 (RGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/05/2012	9.05 U	1.0 U
04/03/2012	15.9	1.0 UJ
07/10/2012	13.5 U	1.0 U
10/24/2012	4.03 U	1.0 U
01/15/2013	13.6 U	1.0 U
04/17/2013	6.61 U	1.0 UJ
07/15/2013	21.3	1.0 U
10/01/2013	20.7	1.0 U
01/22/2014	32.1	1.0 U
04/07/2014	24.8	1.0 U
07/17/2014	12.1 U	0.68 J
10/21/2014	35.0	1.0 U
01/05/2015	32.5	1.0 U
04/14/2015	12.2 U	0.43 J
07/15/2015	14.8 U	7.62
09/03/2015		0.51 J
10/15/2015	11.6 U	0.31 J
01/05/2016	18.4 U	1.0 U
04/12/2016	13.0 U	2.87
07/19/2016	28.9	0.78 J
10/10/2016	12.3 U	0.63 J
01/11/2017	23.2	1.0 U
04/19/2017	20.7	0.48 J
07/19/2017	22.7	2.64
10/09/2017	18.3	1.0 U
01/23/2018	27.4	1.0 U
04/17/2018	19.9	0.9 J
07/19/2018	14.0 U	1.91
10/15/2018	20.8	1.0 U
01/22/2019	19.4	1.0 U
04/16/2019	17.1	1.05
07/18/2019	27.8	1.0 U
10/08/2019	27.0	1.57
01/22/2020	12.0 U	
03/18/2020		1.0 U
04/21/2020	18.7	1.0 U
07/28/2020	19.0 U	1.0 U
10/14/2020	16.7 U	1.0 U
01/25/2021	10.3 U	1.0 U
04/15/2021	12.1 U	1.0 U
07/19/2021	13.3 U	1.0 U
10/27/2021	12.7 U	1.0 U
01/19/2022	17.4 U	0.42 J
04/13/2022	16.0 U	1.0 U
07/18/2022	19.2 U	1.0 U
10/18/2022	21.3 U	1.0 U



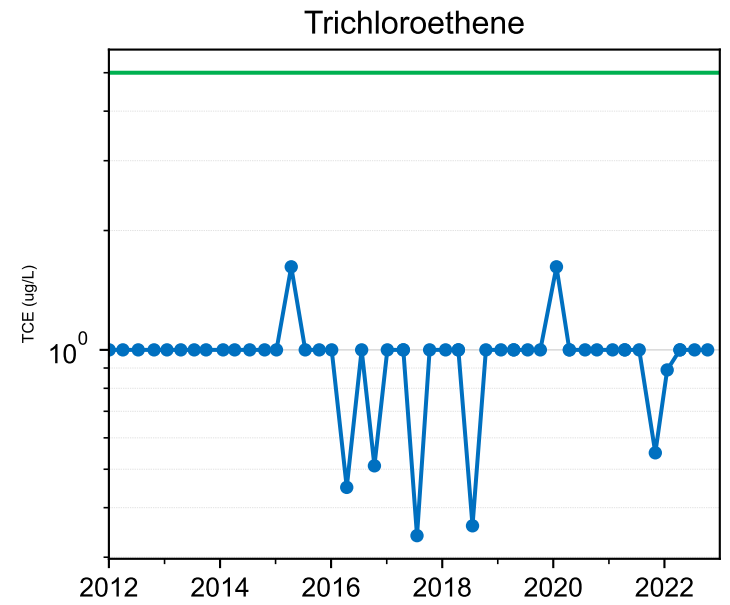
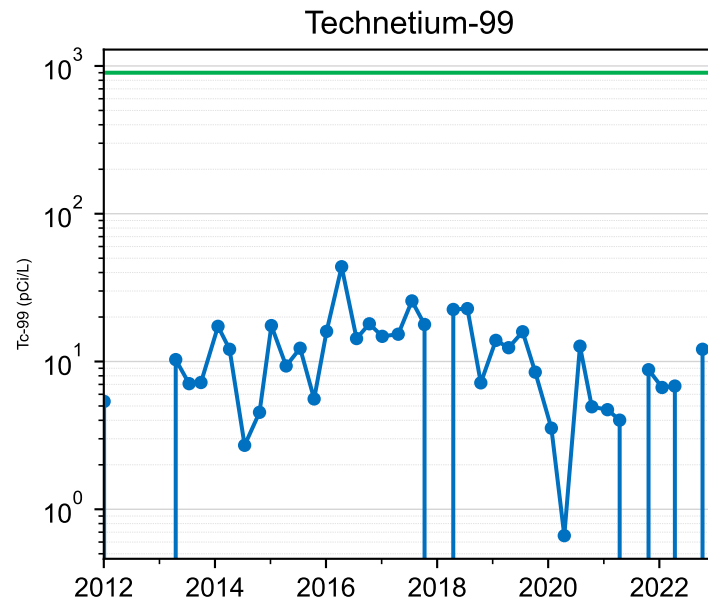
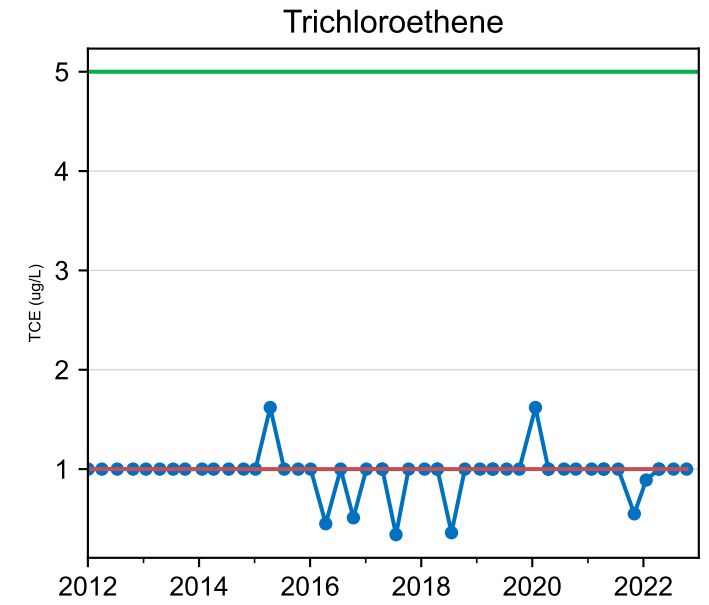
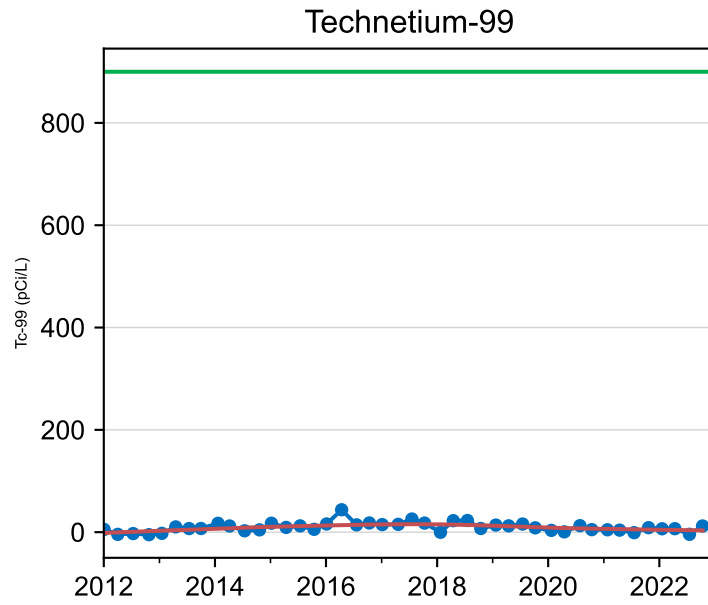
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

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 PADUCAH GASEOUS DIFFUSION PLANT


Figure 42. Tc-99 and TCE at MW220 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/03/2012	5.37 U	1.0 UJ
04/02/2012	-4.23 U	1.0 U
07/12/2012	-2.77 U	1.0 U
10/24/2012	-4.87 U	1.0 U
01/17/2013	-2.3 U	1.0 U
04/18/2013	10.3 U	1.0 UJ
07/15/2013	7.08 U	1.0 U
10/01/2013	7.21 U	1.0 U
01/21/2014	17.3	1.0 U
04/07/2014	12.1 U	1.0 U
07/15/2014	2.71 U	1.0 U
10/21/2014	4.53 U	1.0 U
01/07/2015	17.5 U	1.0 U
04/14/2015	9.33 U	1.62
07/15/2015	12.3 U	1.0 U
10/15/2015	5.58 U	1.0 UJ
01/05/2016	16.0 U	1.0 U
04/13/2016	43.8 J	0.45 J
07/20/2016	14.3 U	1.0 U
10/12/2016	18.0 U	0.51 J
01/05/2017	14.8 U	1.0 U
04/20/2017	15.3 U	1.0 U
07/19/2017	25.7	0.34 J
10/10/2017	17.8	1.0 U
01/23/2018	-0.215 U	1.0 U
04/17/2018	22.5	1.0 U
07/19/2018	22.8	0.36 J
10/15/2018	7.17 U	1.0 U
01/22/2019	13.9 U	1.0 U
04/16/2019	12.4 U	1.0 U
07/17/2019	15.9 U	1.0 UJ
10/08/2019	8.47 U	1.0 U
01/22/2020	3.54 U	1.62
04/16/2020	0.663 U	1.0 U
07/28/2020	12.7 U	1.0 U
10/14/2020	4.94 U	1.0 U
01/25/2021	4.72 U	1.0 U
04/15/2021	4.01 U	1.0 U
07/19/2021	-0.978 U	1.0 U
10/22/2021	8.8 U	
11/02/2021		0.55 J
01/19/2022	6.67 U	0.89 J
04/13/2022	6.82 U	1.0 U
07/18/2022	-4.14 U	1.0 U
10/12/2022	12.1 U	1.0 U



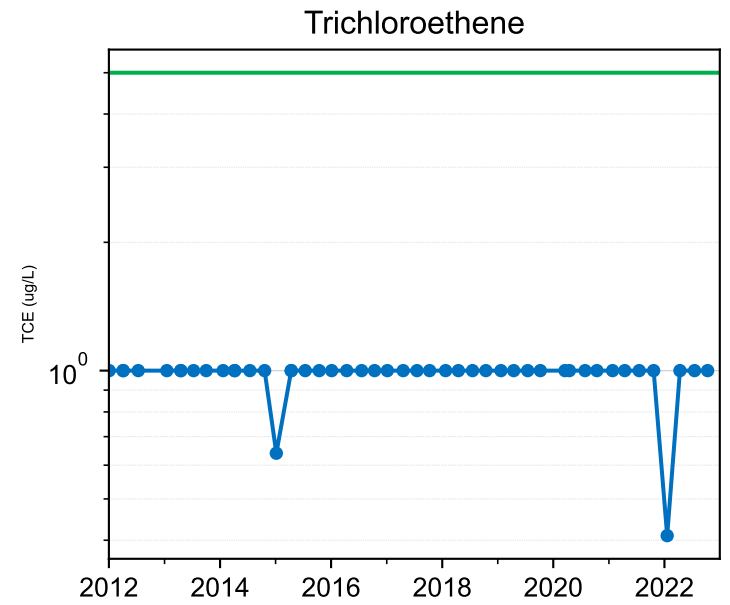
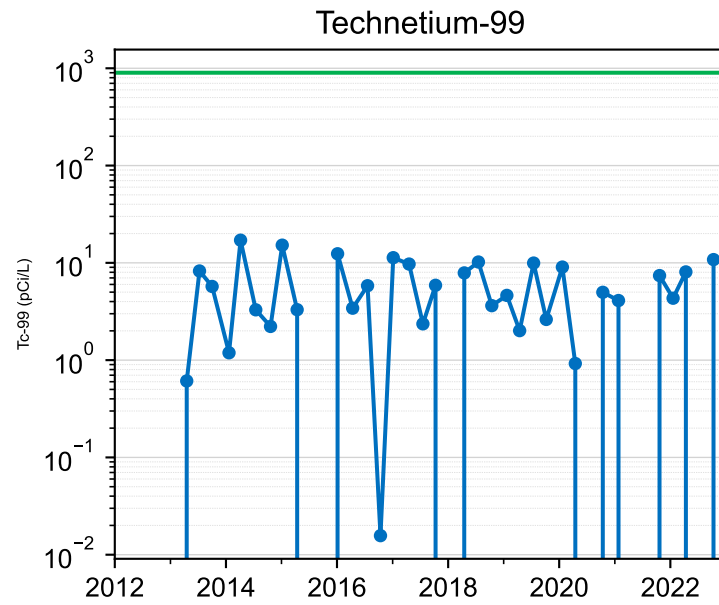
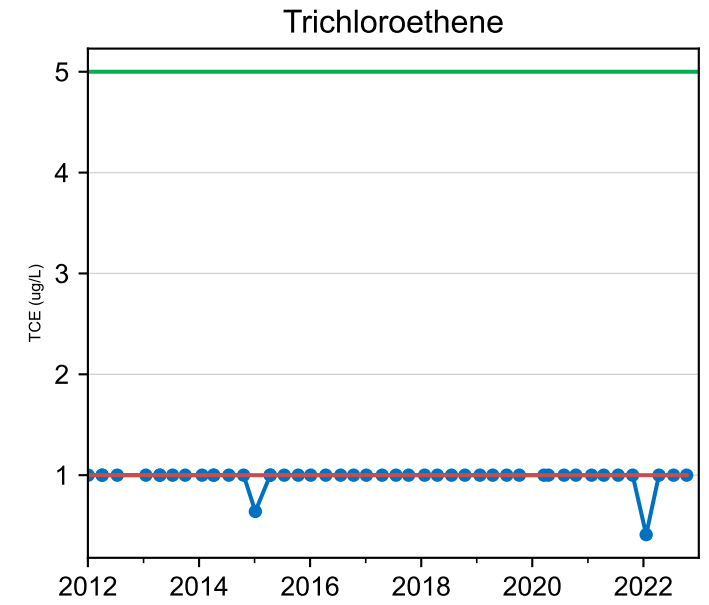
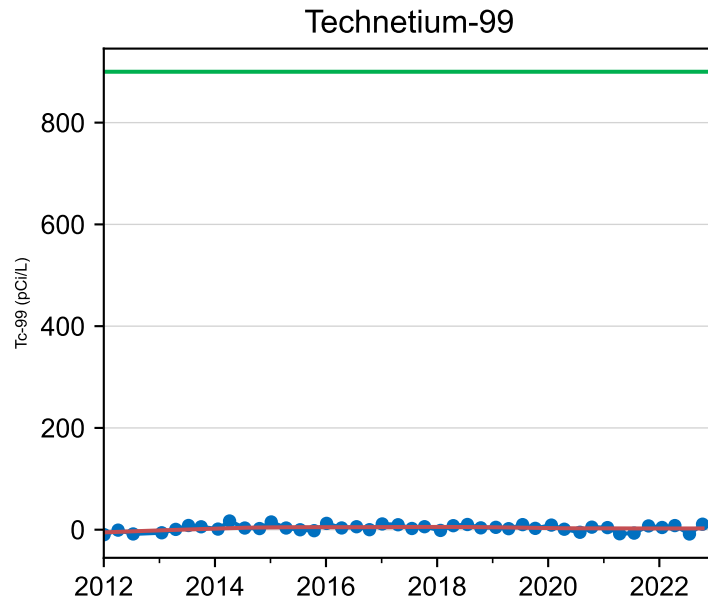
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 43. Tc-99 and TCE at MW221 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/03/2012	-9.77 U	1.0 UJ
04/04/2012	-0.862 U	1.0 UJ
07/12/2012	-8.38 U	1.0 U
01/16/2013	-6.05 U	1.0 U
04/18/2013	0.611 U	1.0 UJ
07/11/2013	8.25 U	1.0 U
10/02/2013	5.72 U	1.0 U
01/21/2014	1.19 U	1.0 U
04/07/2014	17.1 U	1.0 U
07/16/2014	3.29 U	1.0 U
10/21/2014	2.22 U	1.0 U
01/06/2015	15.2 U	0.64 J
04/14/2015	3.3 U	1.0 U
07/15/2015	-0.133 U	1.0 U
10/15/2015	-1.96 U	1.0 UJ
01/05/2016	12.4 U	1.0 U
04/13/2016	3.42 U	1.0 U
07/20/2016	5.82 U	1.0 U
10/13/2016	0.0157 U	1.0 U
01/05/2017	11.3 U	1.0 U
04/19/2017	9.72 U	1.0 U
07/19/2017	2.36 U	1.0 U
10/10/2017	5.88 U	1.0 U
01/23/2018	-1.44 U	1.0 U
04/17/2018	7.88 U	1.0 U
07/19/2018	10.2 U	1.0 U
10/15/2018	3.63 U	1.0 U
01/22/2019	4.63 U	1.0 U
04/16/2019	2.01 U	1.0 U
07/17/2019	9.95 U	1.0 UJ
10/08/2019	2.62 U	1.0 U
01/22/2020	9.05 U	
03/18/2020		1.0 U
04/16/2020	0.923 U	1.0 U
07/28/2020	-5.08 U	1.0 U
10/14/2020	4.98 U	1.0 U
01/25/2021	4.1 U	1.0 U
04/15/2021	-7.98 U	1.0 U
07/19/2021	-6.74 U	1.0 U
10/22/2021	7.4 U	1.0
01/19/2022	4.33 U	0.41 J
04/13/2022	8.07 U	1.0 U
07/18/2022	-8.44 U	1.0 U
10/12/2022	10.8 U	1.0 U



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

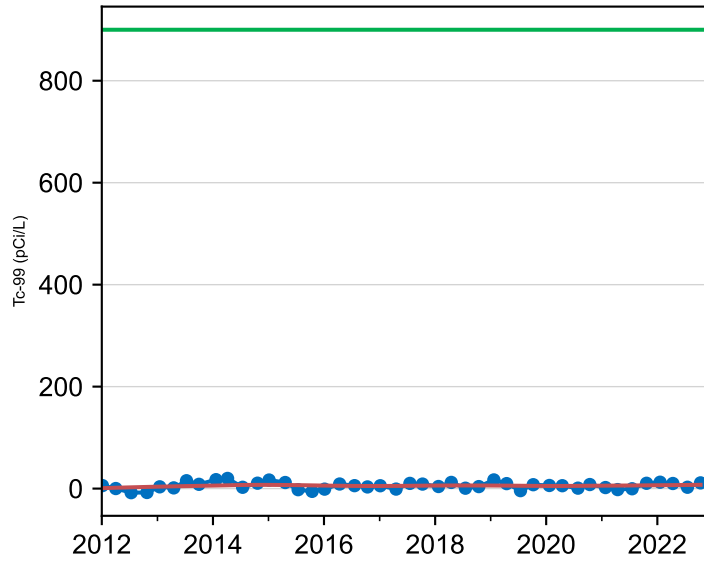
● Data — LOWESS
— MCLs

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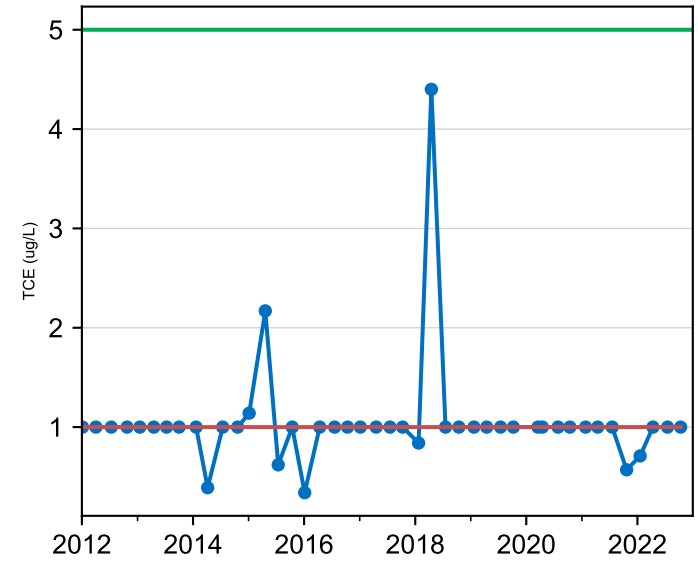
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 44. Tc-99 and TCE at MW222 (URGA)

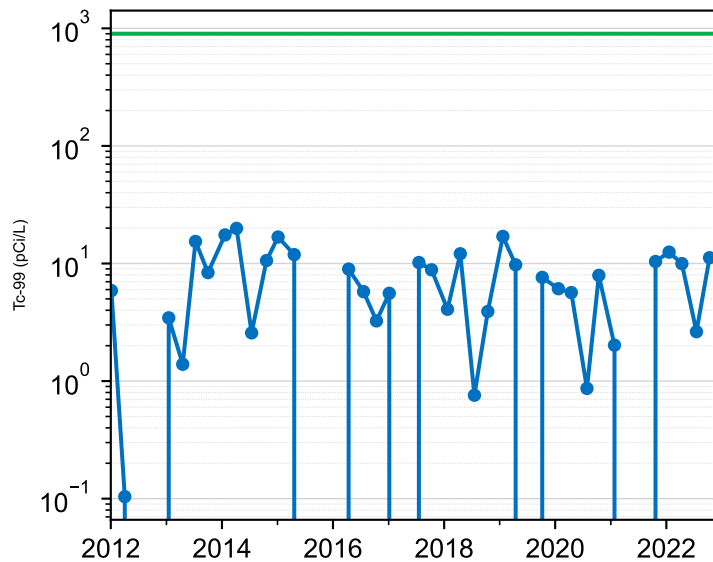
Technetium-99



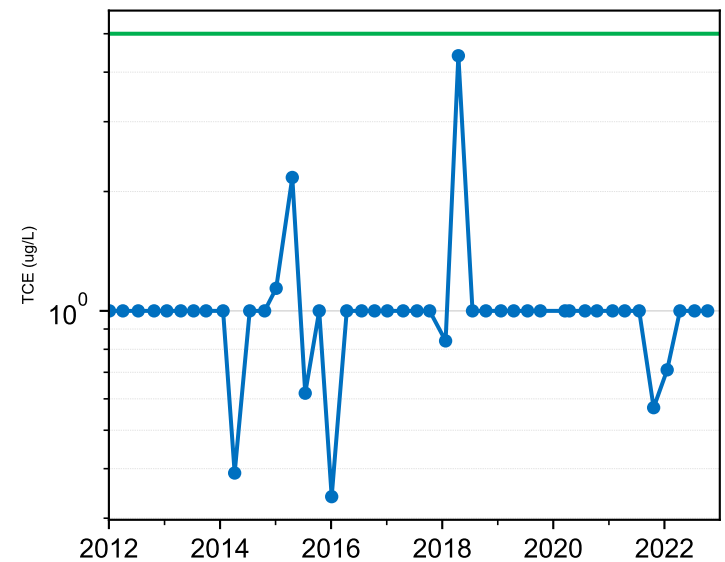
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/05/2012	5.88 U	1.0 U
04/02/2012	0.104 U	1.0 UJ
07/12/2012	-8.0 U	1.0 U
10/24/2012	-7.61 U	1.0 U
01/16/2013	3.45 U	1.0 U
04/18/2013	1.39 U	1.0 UJ
07/11/2013	15.4 U	1.0 U
10/01/2013	8.37 U	1.0 U
01/21/2014	17.5 U	1.0 U
04/07/2014	19.9 U	0.39 J
07/15/2014	2.57 U	1.0 U
10/21/2014	10.6 U	1.0 U
01/05/2015	16.8 U	1.14 U
04/21/2015	11.9 U	2.17 U
07/15/2015	-2.14 U	0.62 J
10/15/2015	-5.43 U	1.0 UJ
01/05/2016	-1.08 U	0.34 J
04/13/2016	8.97 U	1.0 U
07/20/2016	5.76 U	1.0 U
10/13/2016	3.25 U	1.0 U
01/05/2017	5.58 U	1.0 U
04/19/2017	-0.985 U	1.0 U
07/19/2017	10.2 U	1.0 U
10/10/2017	8.84 U	1.0 U
01/23/2018	4.08 U	0.84 J
04/17/2018	12.1 U	4.4 U
07/19/2018	0.758 U	1.0 U
10/15/2018	3.91 U	1.0 U
01/22/2019	17.0 U	1.0 U
04/16/2019	9.75 U	1.0 U
07/16/2019	-4.01 U	1.0 U
10/08/2019	7.62 U	1.0 U
01/22/2020	6.1 U	1.0 U
03/18/2020		1.0 U
04/16/2020	5.66 U	1.0 U
07/28/2020	0.866 U	1.0 U
10/14/2020	7.93 U	1.0 U
01/25/2021	2.02 U	1.0 U
04/15/2021	-1.97 U	1.0 U
07/19/2021	-0.333 U	1.0 U
10/22/2021	10.4 U	0.57 J
01/19/2022	12.5 U	0.71 J
04/13/2022	9.98 U	1.0 U
07/18/2022	2.63 U	1.0 U
10/12/2022	11.2 U	1.0 U

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

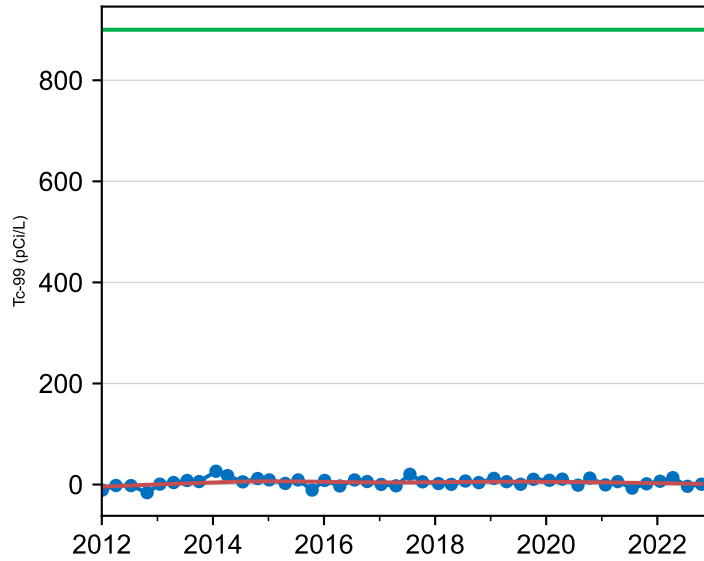
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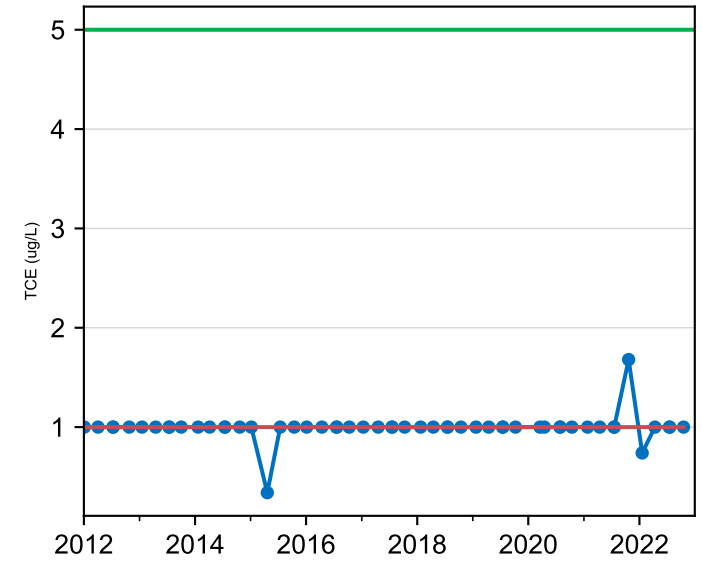
Figure 45. Tc-99 and TCE at MW223 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/04/2012	-11.0 U	1.0 U
04/03/2012	-1.93 U	1.0 UJ
07/11/2012	-2.13 U	1.0 U
10/25/2012	-16.1 U	1.0 U
01/17/2013	0.751 U	1.0 U
04/17/2013	3.89 U	1.0 UJ
07/15/2013	7.98 U	1.0 U
10/02/2013	5.83 U	1.0 U
01/21/2014	26.3	1.0 U
04/07/2014	17.6 U	1.0 U
07/16/2014	5.32 U	1.0 U
10/22/2014	11.9 U	1.0 U
01/06/2015	9.13 U	1.0 U
04/21/2015	2.19 U	0.34 J
07/15/2015	9.12 U	1.0 U
10/15/2015	-11.0 U	1.0 UJ
01/05/2016	8.18 U	1.0 U
04/14/2016	-2.81 U	1.0 U
07/20/2016	9.05 U	1.0 U
10/11/2016	5.9 U	1.0 U
01/11/2017	0.195 U	1.0 U
04/19/2017	-2.54 U	1.0 U
07/19/2017	20.3	1.0 U
10/10/2017	5.36 U	1.0 U
01/23/2018	1.89 U	1.0 U
04/17/2018	0.389 U	1.0 U
07/19/2018	6.9 U	1.0 U
10/15/2018	3.72 U	1.0 U
01/22/2019	12.2 U	1.0 U
04/16/2019	5.63 U	1.0 U
07/17/2019	0.545 U	1.0 UJ
10/09/2019	10.4 U	1.0 U
01/22/2020	8.41 U	
03/18/2020		1.0 U
04/16/2020	10.7 U	1.0 U
07/28/2020	-1.26 U	1.0 U
10/14/2020	12.8 U	1.0 U
01/25/2021	-0.72 U	1.0 U
04/15/2021	5.74 U	1.0 U
07/19/2021	-7.12 U	1.0 U
10/22/2021	1.42 U	1.68
01/19/2022	6.45 U	0.74 J
04/13/2022	13.6 U	1.0 U
07/18/2022	-3.48 U	1.0 U
10/18/2022	0.623 U	1.0 U

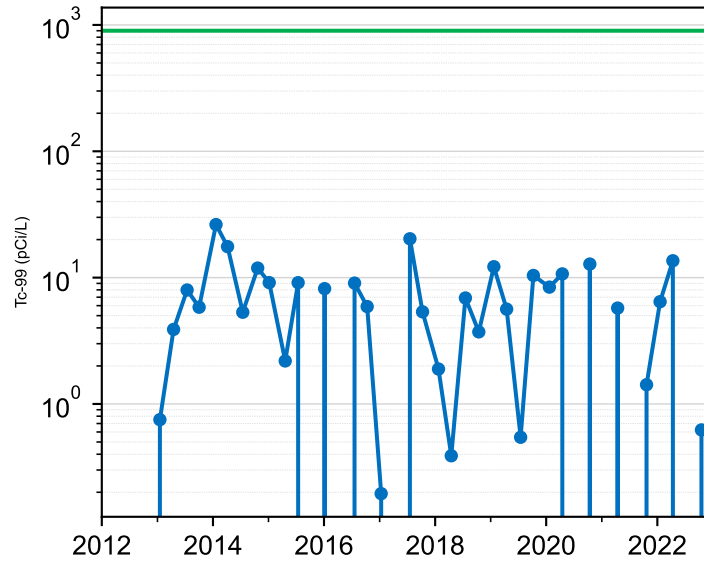
Technetium-99



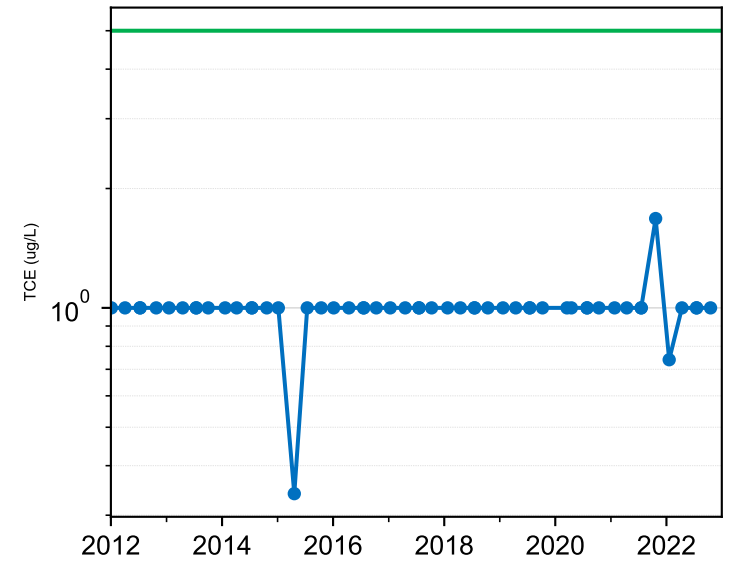
Trichloroethene



Technetium-99



Trichloroethene



Notes:

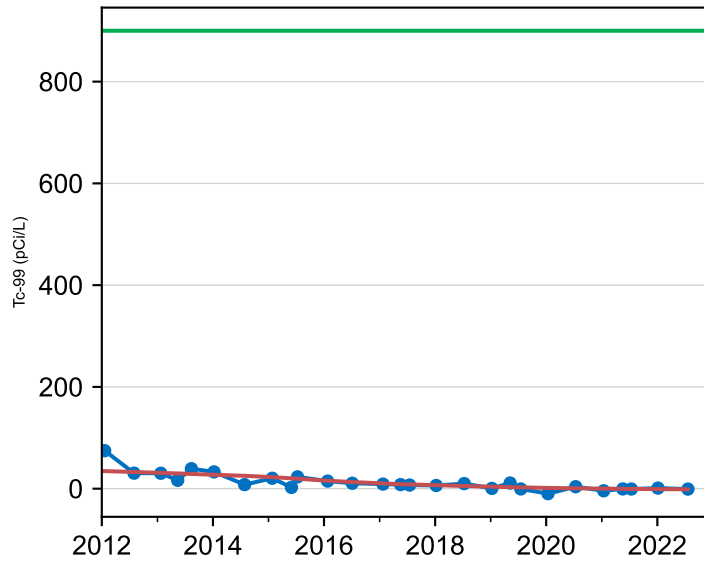
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

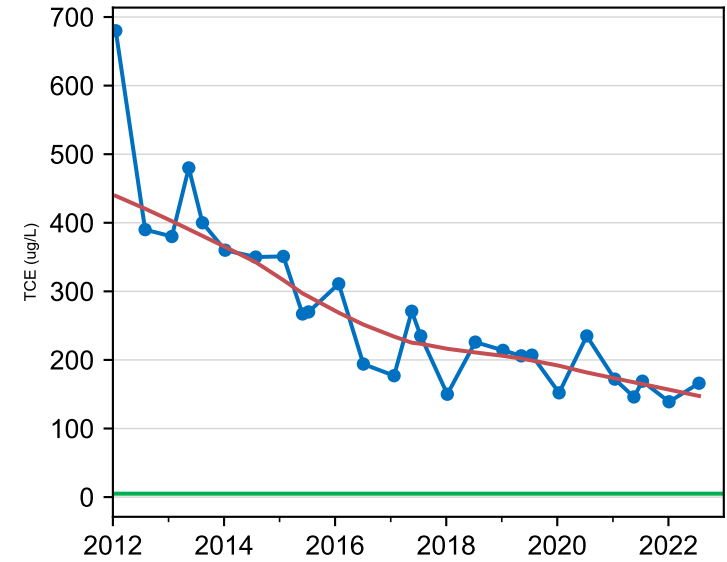
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Figure 46. Tc-99 and TCE at MW224 (URGA)

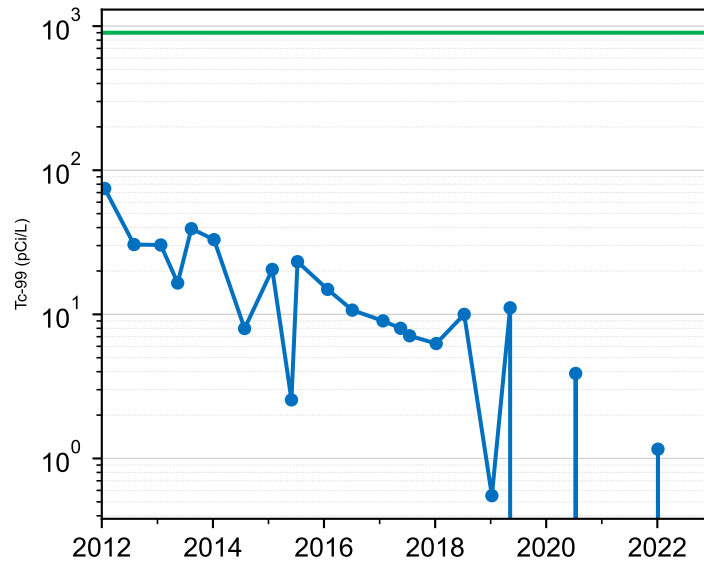
Technetium-99



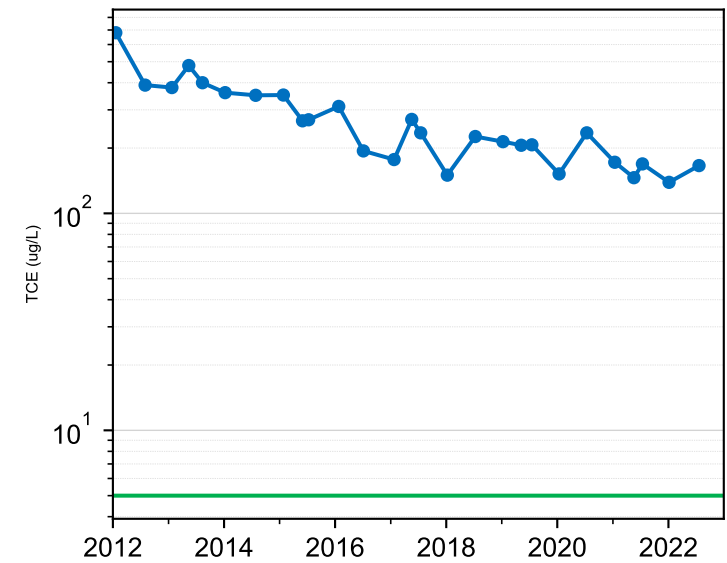
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/20/2012	74.7	680.0
07/31/2012	30.5	390.0
01/23/2013	30.3	380.0
05/14/2013	16.5 U	480.0
08/12/2013	39.3	400.0
01/08/2014	33.0	360.0
07/28/2014	7.97 U	350.0
01/26/2015	20.5	351.0
06/01/2015	2.55 U	267.0
07/11/2015	23.2	270.0
01/25/2016	14.9 U	311.0
07/05/2016	10.7 U	194.0
01/23/2017	9.01 U	177.0
05/19/2017	8.0 U	271.0
07/17/2017	7.1 U	235.0
01/08/2018	6.27 U	150.0
07/11/2018	10.0 U	226.0
01/09/2019	0.552 U	214.0
05/09/2019	11.1 U	206.0
07/18/2019	-0.518 U	207.0
01/13/2020	-9.8 U	152.0
07/13/2020	3.89 U	235.0
01/13/2021	-4.14 U	172.0
05/19/2021	-0.479 U	146.0
07/14/2021	-0.645 U	169.0
01/05/2022	1.16 U	139.0
07/21/2022	-0.81 U	166.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

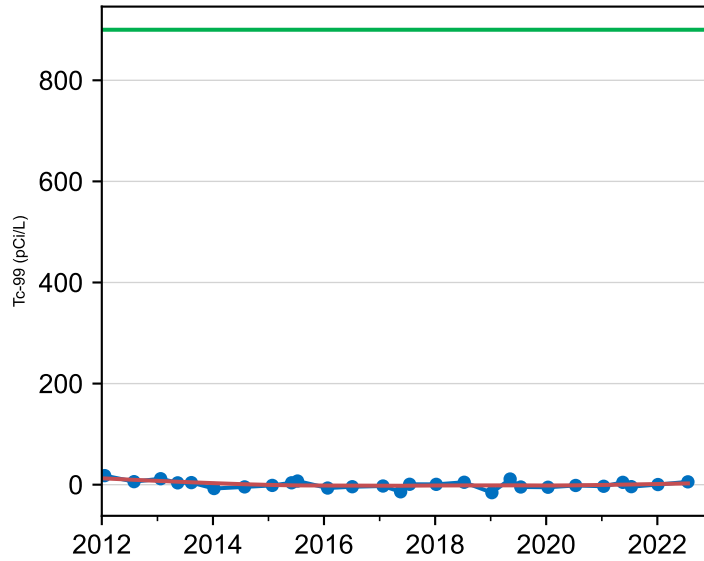
● Data
 — LOWESS
 — MCLs

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 PADUCAH GASEOUS DIFFUSION PLANT

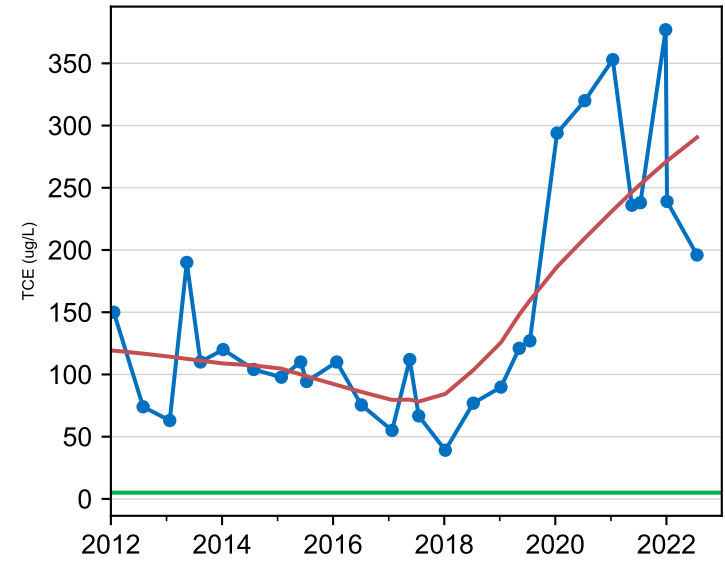
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 47. Tc-99 and TCE at MW226 (LRGA)

Technetium-99

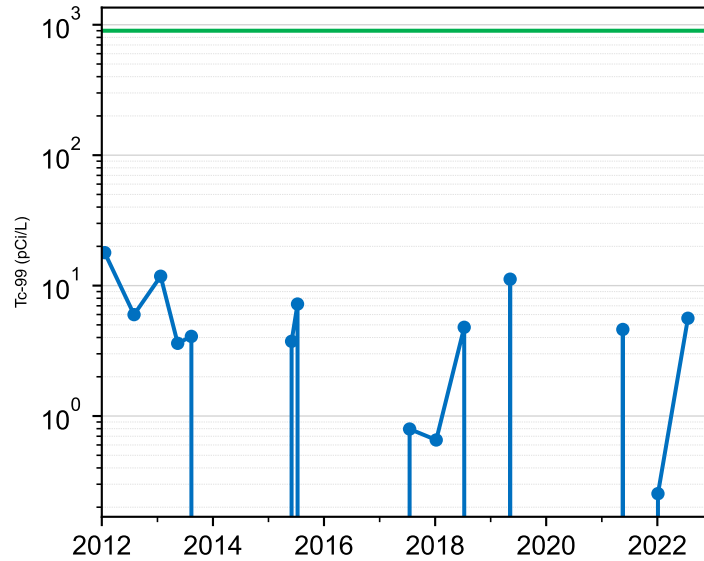


Trichloroethene

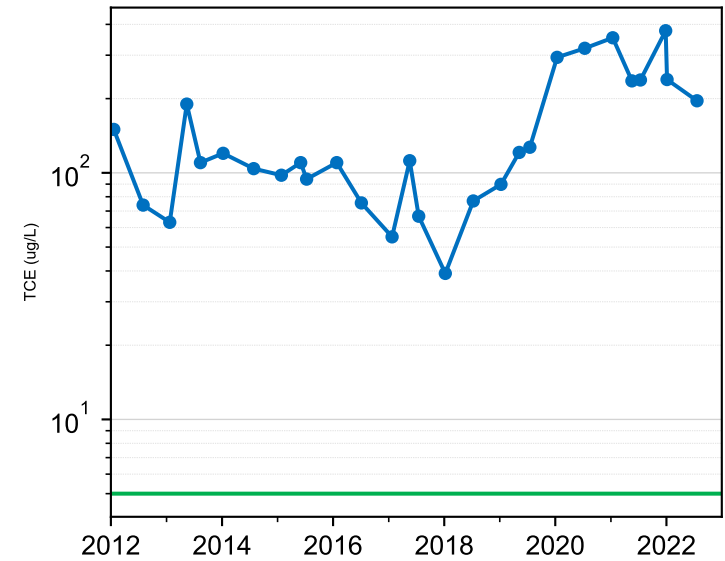


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/20/2012	17.9	150.0
07/31/2012	5.99 U	74.0
01/22/2013	11.8 U	63.0
05/14/2013	3.61 U	190.0
08/12/2013	4.08 U	110.0
01/08/2014	-7.61 U	120.0
07/28/2014	-4.4 U	104.0
01/26/2015	-1.45 U	97.8
06/02/2015	3.74 U	110.0
07/11/2015	7.22 U	94.3
01/25/2016	-6.66 U	110.0
07/05/2016	-4.03 U	75.5
01/23/2017	-2.64 U	55.0
05/19/2017	-14.1 U	112.0
07/17/2017	0.795 U	66.7
01/08/2018	0.655 U	39.1
07/11/2018	4.79 U	76.9
01/09/2019	-15.8 U	89.8
05/09/2019	11.2 U	121.0
07/18/2019	-4.58 U	127.0
01/13/2020	-5.08 U	294.0
07/13/2020	-1.56 U	320.0
01/13/2021	-3.15 U	353.0
05/19/2021	4.61 U	236.0
07/14/2021	-3.89 U	238.0
12/27/2021		377.0
01/05/2022	0.254 U	239.0
07/21/2022	5.62 U	196.0

Technetium-99



Trichloroethene



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

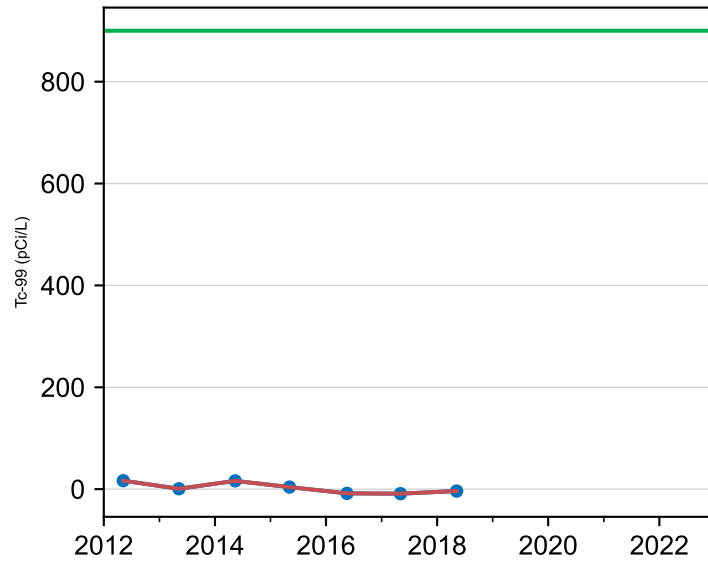
● Data
 — LOWESS
 — MCLs

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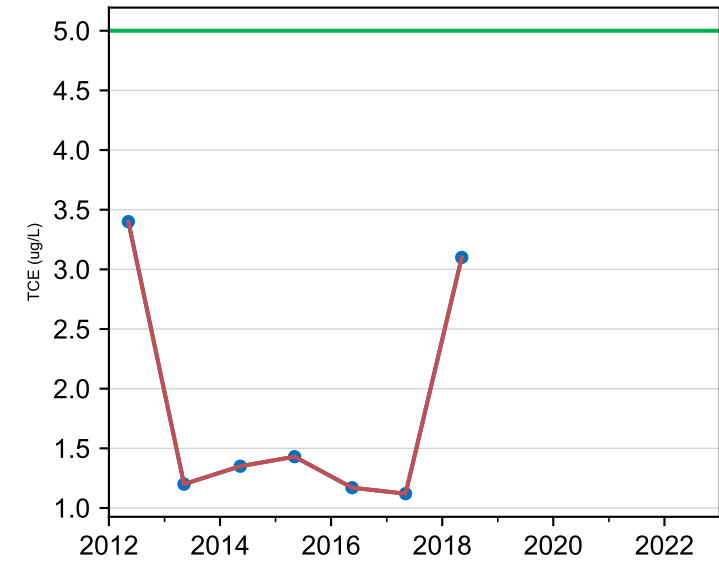
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 48. Tc-99 and TCE at MW227 (URGA)

Technetium-99

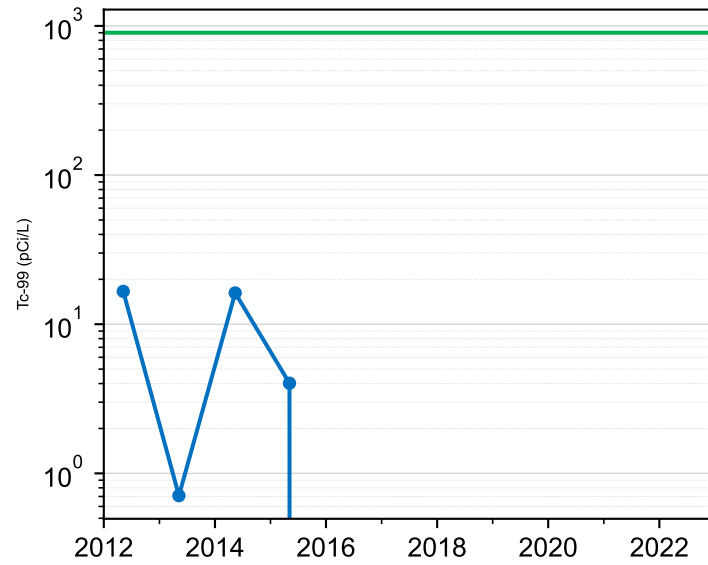


Trichloroethene

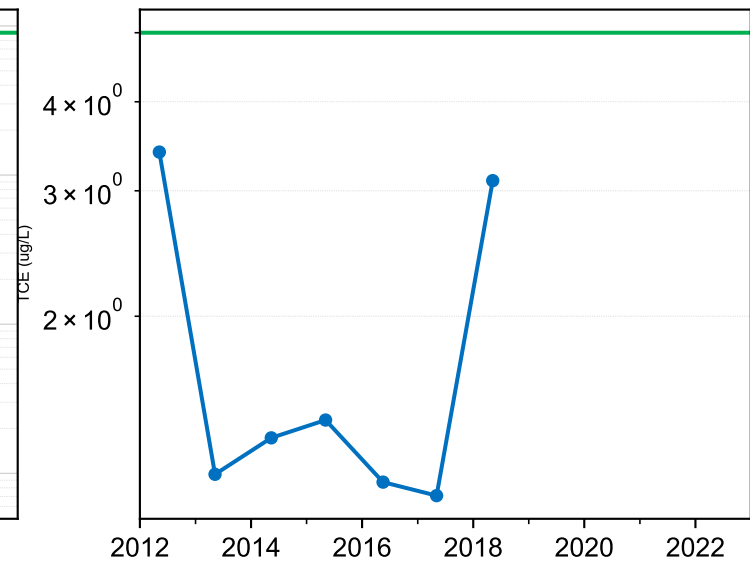


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/08/2012	16.6	3.4
05/09/2013	0.709 U	1.2
05/14/2014	16.2 U	1.35
05/06/2015	4.02 U	1.43
05/18/2016	-8.3 U	1.17
05/05/2017	-8.9 U	1.12
05/09/2018	-3.77 U	3.1

Technetium-99



Trichloroethene



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

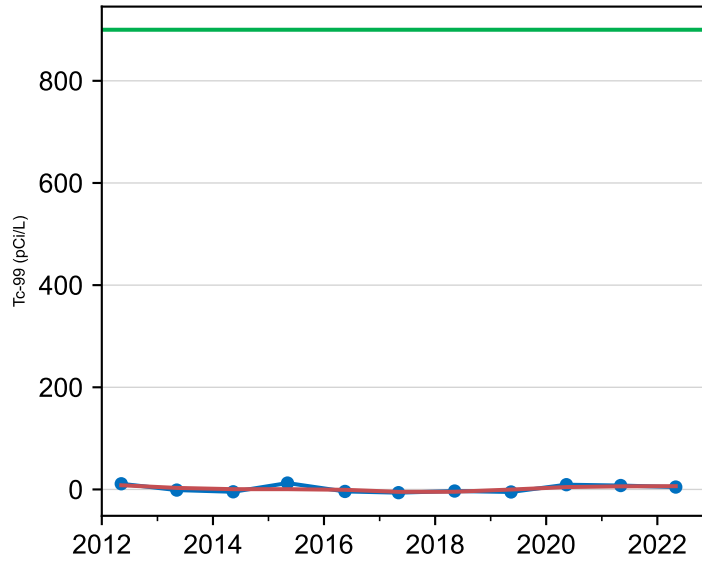
● Data
 — LOWESS
 — MCLs

U.S. DEPARTMENT OF ENERGY
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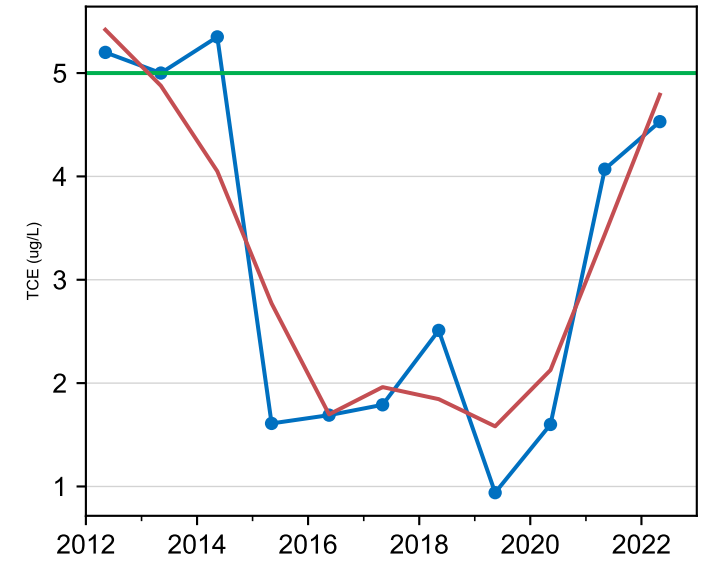
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 49. Tc-99 and TCE at MW233 (MRGA)

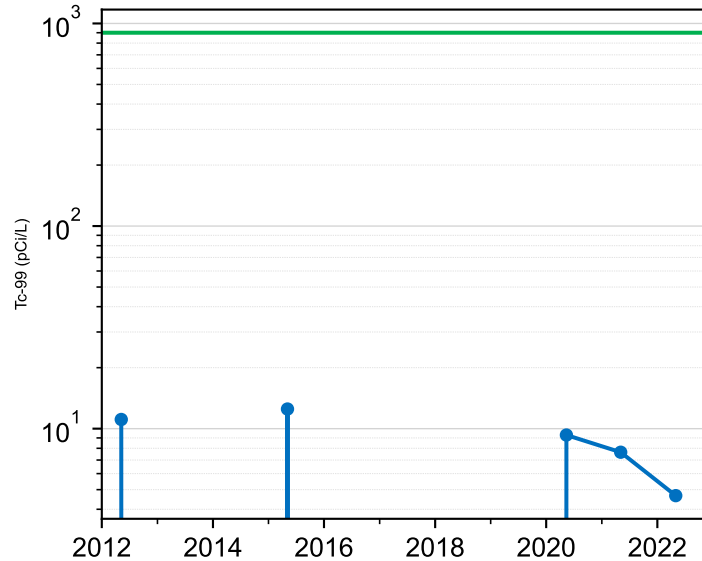
Technetium-99



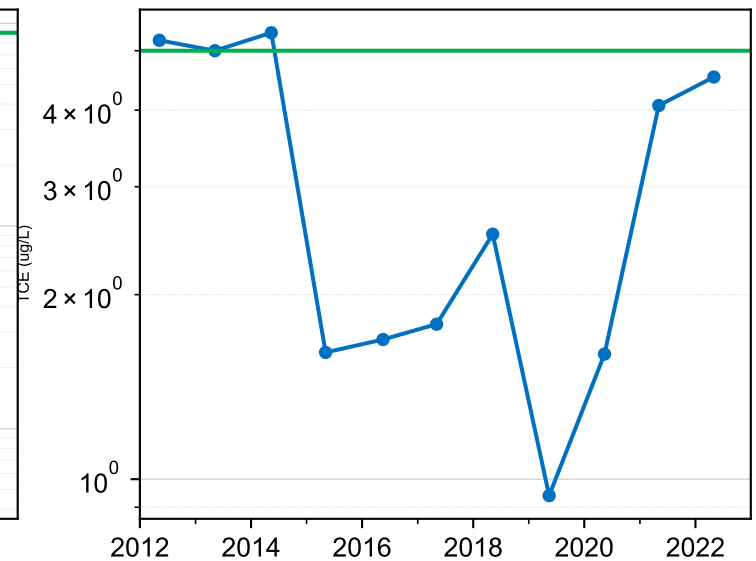
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/08/2012	11.1 U	5.2
05/08/2013	-1.28 U	5.0
05/14/2014	-4.62 U	5.35
05/06/2015	12.5 U	1.61
05/18/2016	-3.93 U	1.69
05/05/2017	-6.32 U	1.79
05/09/2018	-3.13 U	2.51
05/15/2019	-4.98 U	0.94 J
05/13/2020	9.3 U	1.6
05/05/2021	7.65 U	4.07
05/02/2022	4.67 U	4.53

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

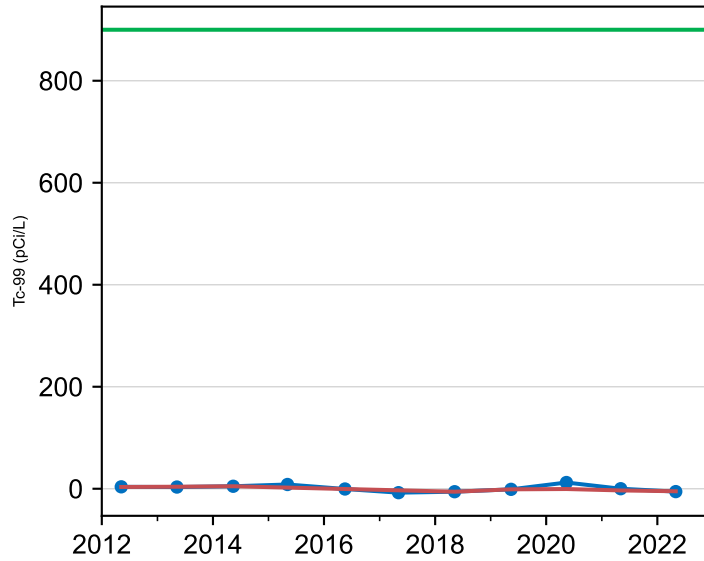
● Data
 — LOWESS
 — MCLs

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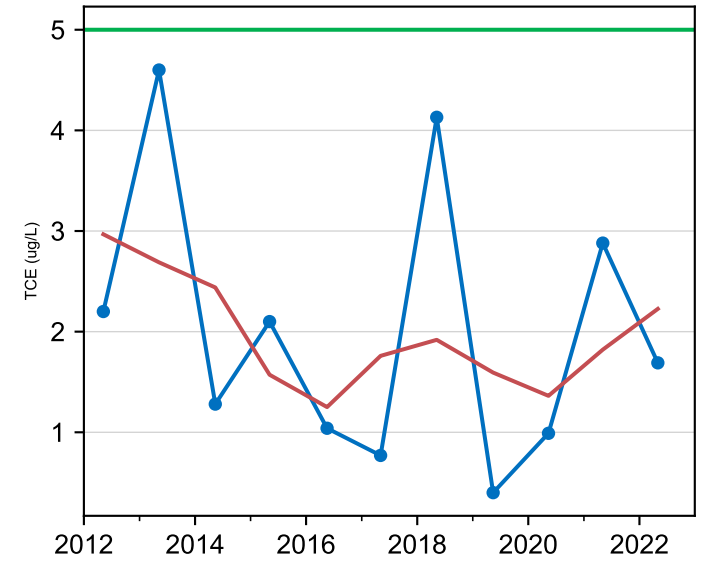
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 50. Tc-99 and TCE at MW236 (LRGA)

Technetium-99

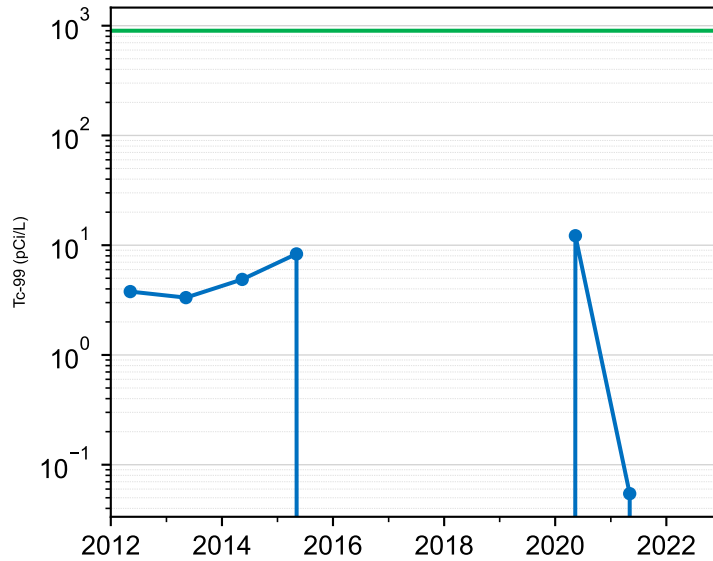


Trichloroethene

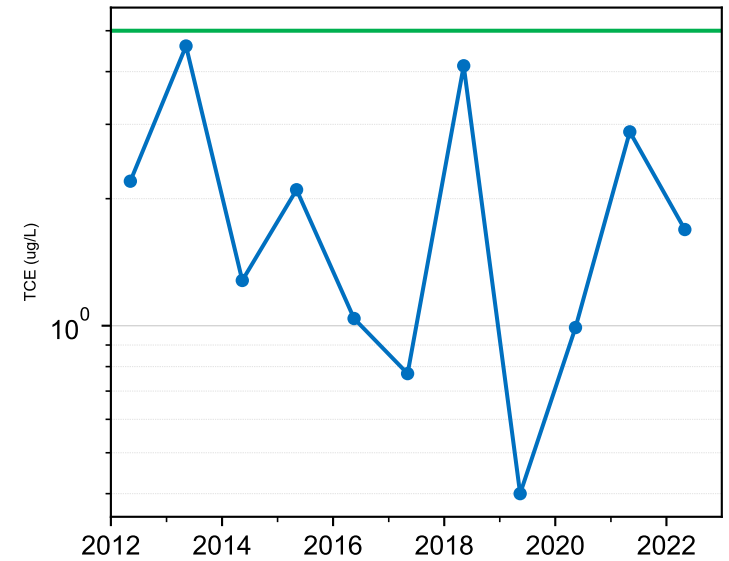


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/08/2012	3.78 U	2.2
05/09/2013	3.33 U	4.6
05/14/2014	4.88 U	1.28
05/06/2015	8.33 U	2.1
05/18/2016	-0.498 U	1.04
05/05/2017	-7.69 U	0.77 J
05/09/2018	-5.81 U	4.13
05/15/2019	-1.15 U	0.4 J
05/13/2020	12.2 U	0.99 J
05/05/2021	0.0545 U	2.88
05/02/2022	-5.62 U	1.69

Technetium-99



Trichloroethene



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

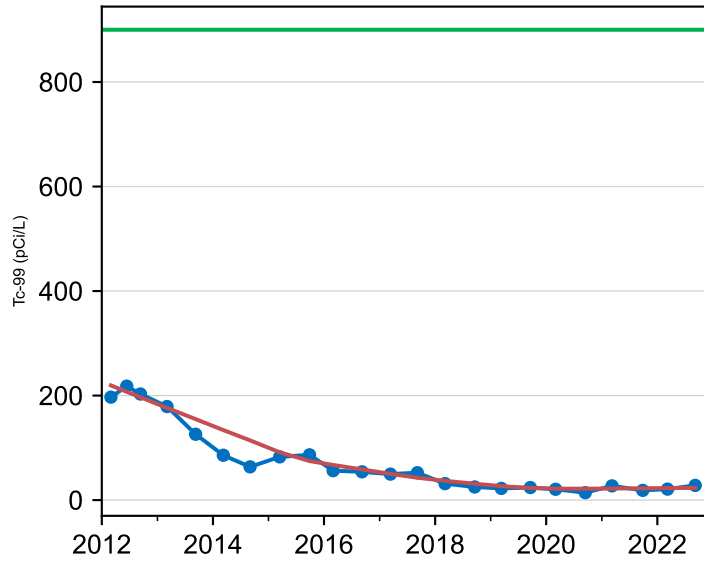
● Data
— LOWESS
— MCLs

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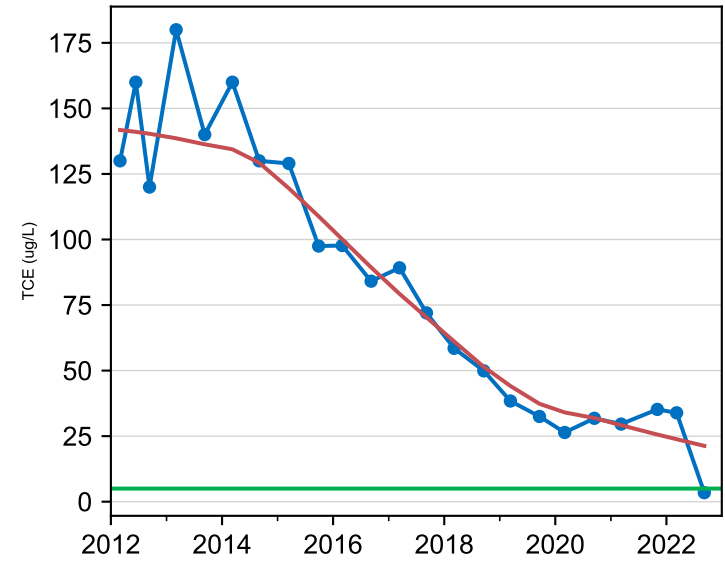
FOUR RIVERS
NUCLEAR PARTNERSHIP, LLC

Figure 51. Tc-99 and TCE at MW240 (MRGA)

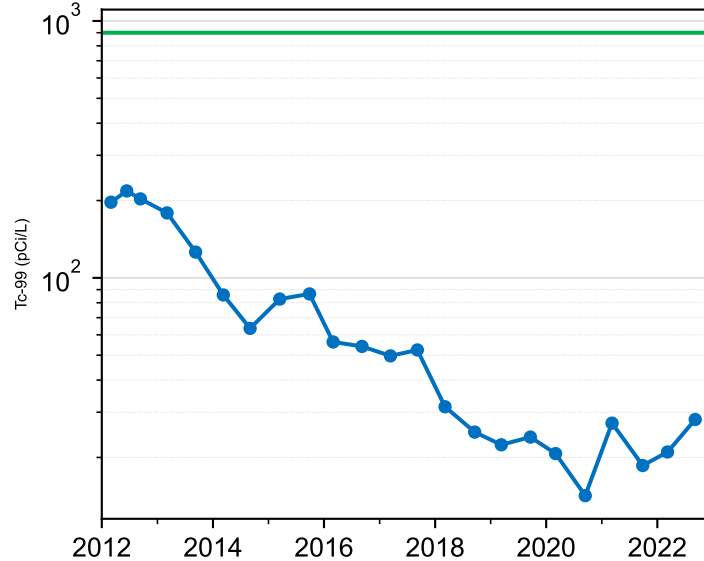
Technetium-99



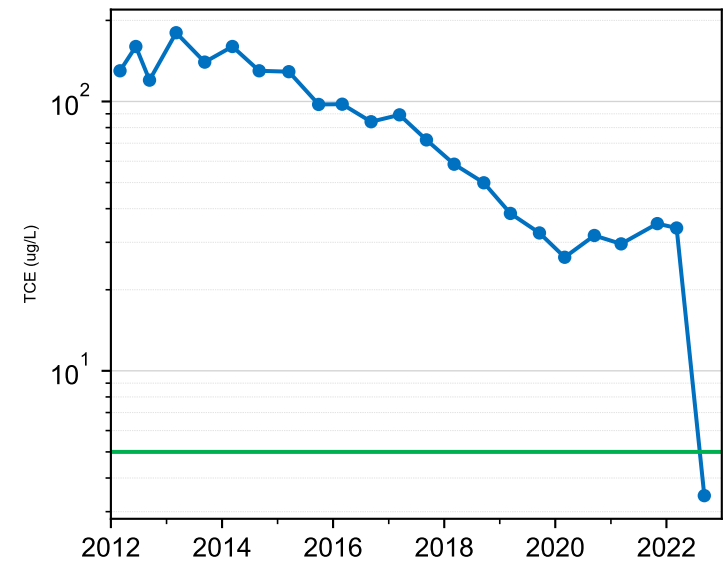
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/01/2012	197.0	130.0
06/13/2012	218.0	160.0
09/11/2012	203.0	120.0 J
03/05/2013	179.0	180.0
09/09/2013	126.0	140.0 J
03/10/2014	85.8	160.0
09/02/2014	63.6	130.0
03/16/2015	82.7	129.0
09/28/2015	86.6	97.5
03/01/2016	56.3	97.7
09/07/2016	54.1	84.1
03/13/2017	49.7	89.2
09/06/2017	52.4	72.0
03/07/2018	31.5	58.5
09/18/2018	25.1	49.9
03/12/2019	22.4	38.4
09/19/2019	24.0	32.5
03/03/2020	20.7	26.4
09/14/2020	14.2	31.8
03/09/2021	27.2	29.6
09/27/2021	18.6	
11/02/2021		35.2
03/09/2022	21.0	33.9
09/07/2022	28.1	3.44

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

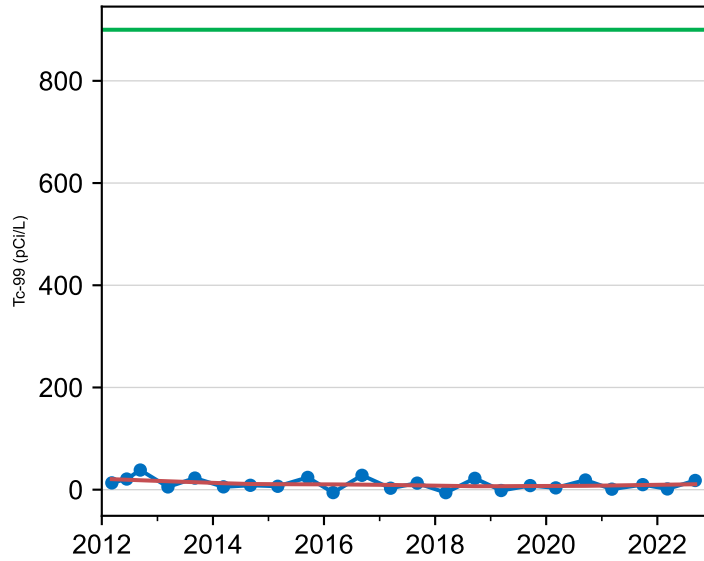
● Data
 — LOWESS
 — MCLs

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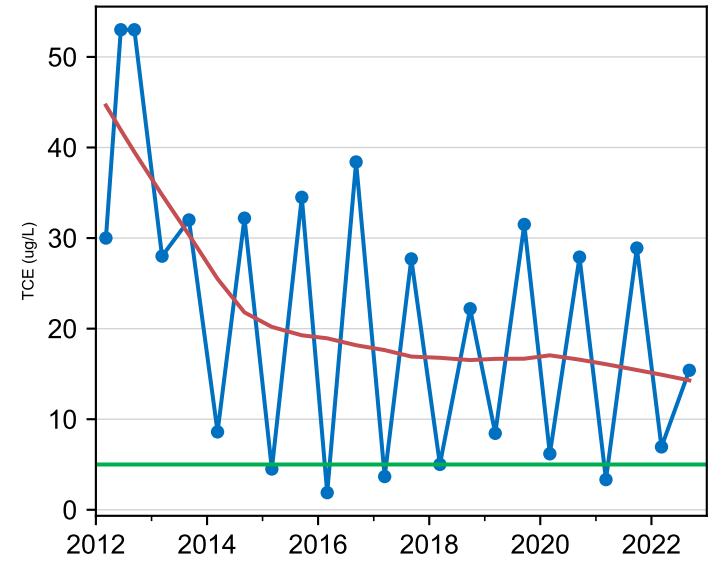
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 52. Tc-99 and TCE at MW242 (MRGA)

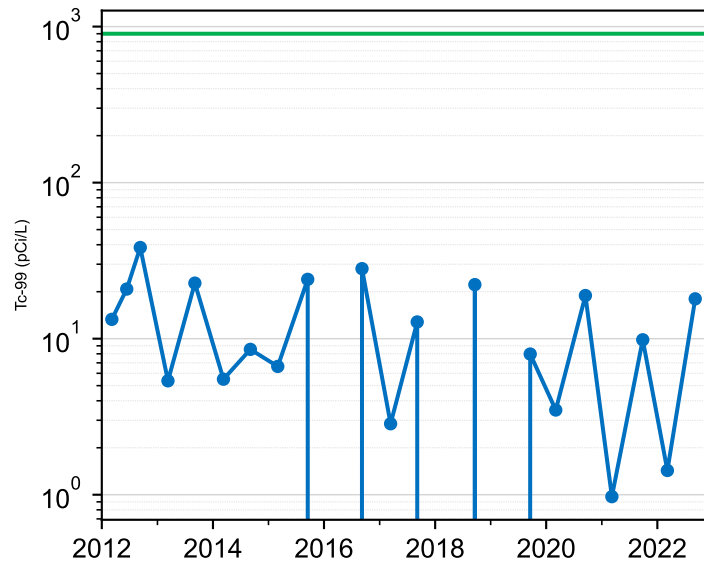
Technetium-99



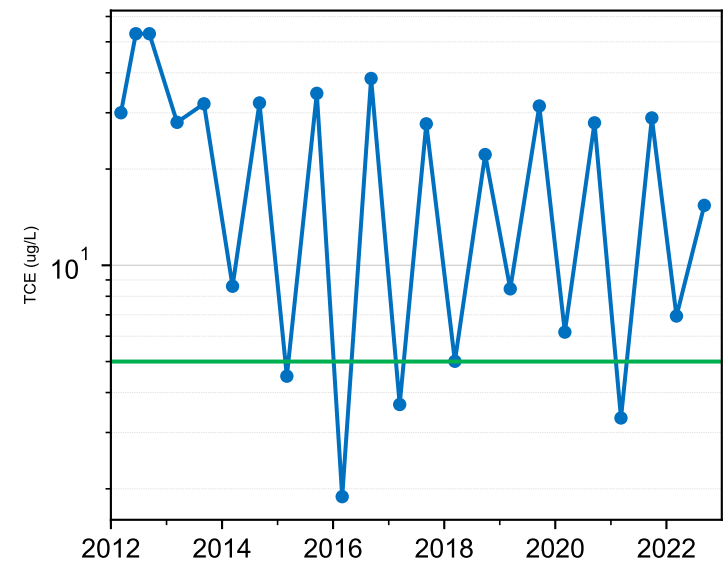
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/07/2012	13.3 U	30.0 J
06/13/2012	20.8	53.0
09/10/2012	38.4	53.0 J
03/11/2013	5.37 U	28.0
09/04/2013	22.7	32.0
03/11/2014	5.5 U	8.6
09/04/2014	8.54 U	32.2
03/03/2015	6.64 U	4.5
09/16/2015	24.0	34.5
03/01/2016	-5.71 U	1.89
09/07/2016	28.1	38.4
03/14/2017	2.85 U	3.67
09/05/2017	12.8 U	27.7
03/12/2018	-5.86 U	5.01
09/19/2018	22.2	
09/27/2018		22.2
03/11/2019	-1.65 U	8.44
09/18/2019	7.97 U	31.5
03/04/2020	3.49 U	6.18
09/15/2020	18.9	27.9
03/08/2021	0.972 U	3.33
09/27/2021	9.84 U	28.9
03/08/2022	1.43 U	6.94
09/07/2022	18.0	15.4

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

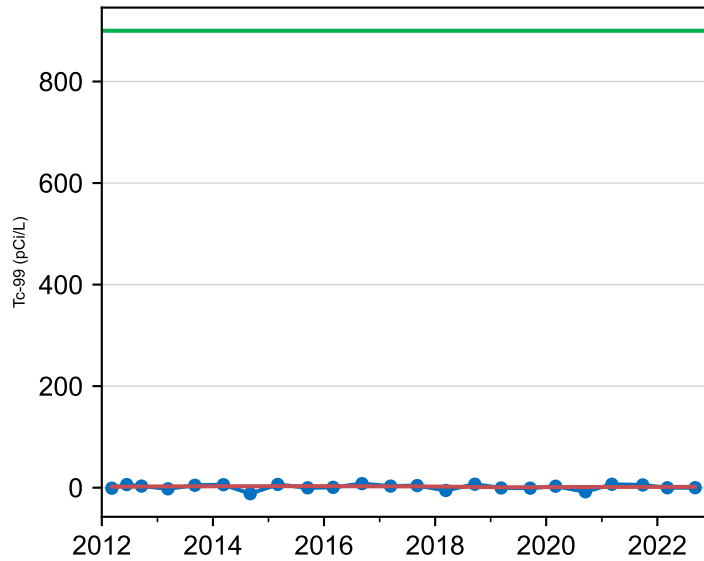
● Data
 — LOWESS
 — MCLs

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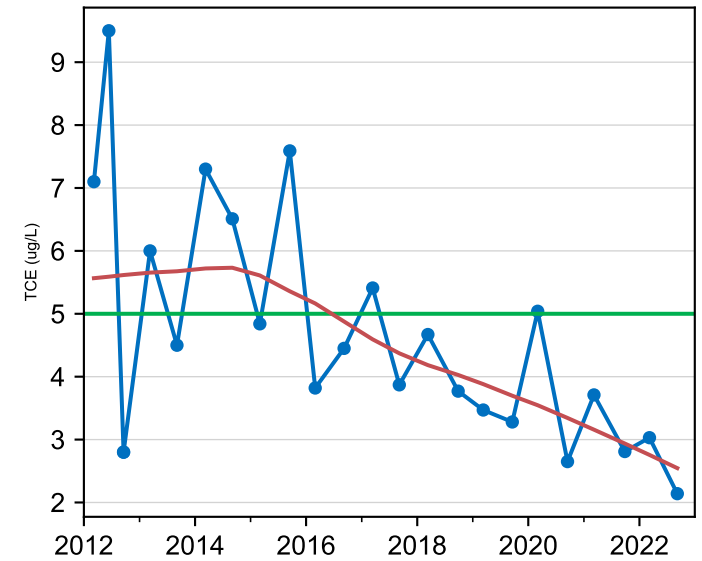
FOUR RIVERS
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Figure 53. Tc-99 and TCE at MW243 (MRGA)

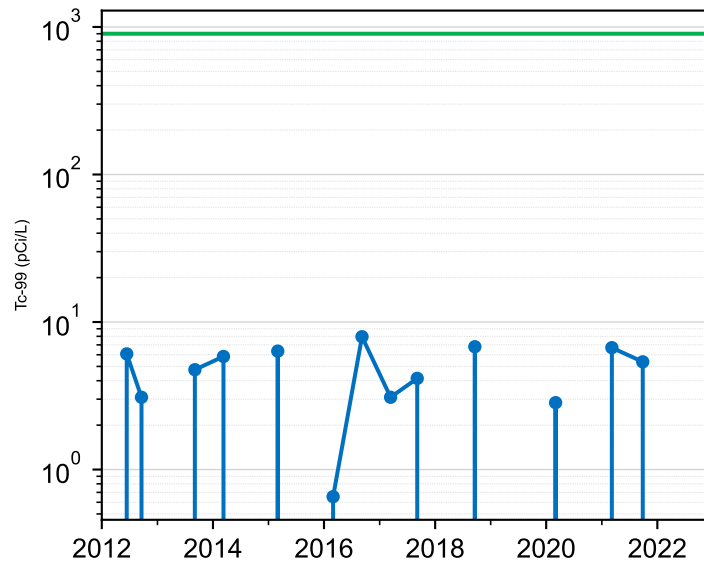
Technetium-99



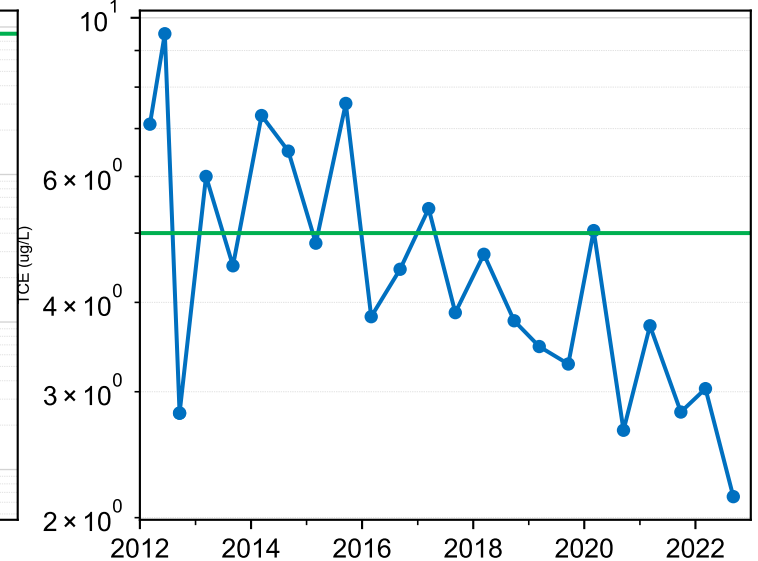
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/07/2012	-1.01 U	7.1
06/13/2012	6.08 U	9.5
09/18/2012	3.09 U	2.8 J
03/11/2013	-2.23 U	6.0
09/04/2013	4.75 U	4.5
03/11/2014	5.84 U	7.3
09/03/2014	-11.8 U	6.51
03/03/2015	6.35 U	4.84
09/16/2015	-0.307 U	7.59
03/01/2016	0.655 U	3.82
09/07/2016	7.95 U	4.45
03/14/2017	3.09 U	5.41
09/05/2017	4.15 U	3.87
03/12/2018	-5.45 U	4.67
09/19/2018	6.8 U	
09/27/2018		3.77
03/11/2019	-0.588 U	3.47
09/18/2019	-0.963 U	3.28
03/03/2020	2.84 U	5.04
09/15/2020	-8.09 U	2.65
03/08/2021	6.7 U	3.71
09/27/2021	5.37 U	2.81
03/08/2022	-0.241 U	3.03
09/07/2022	-0.0314 U	2.14

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

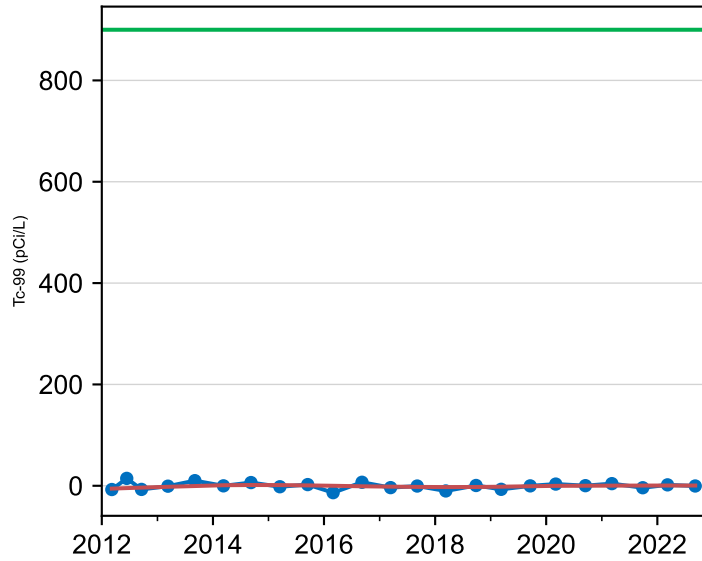
● Data
 — LOWESS
 — MCLs

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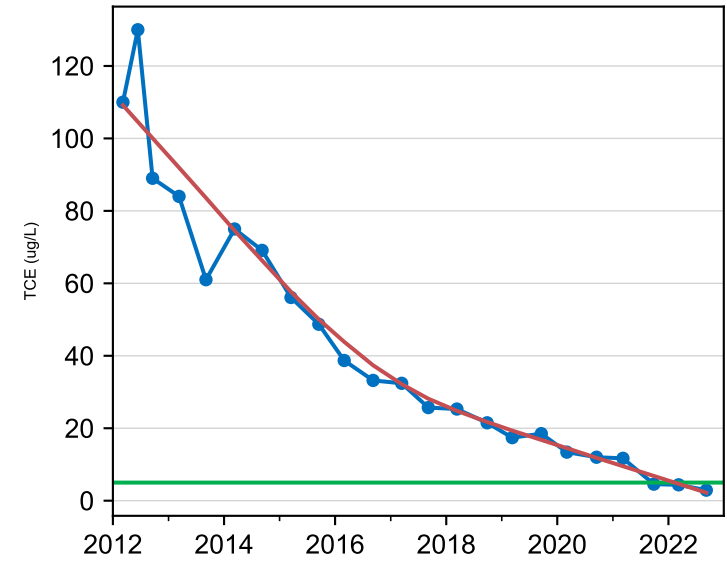
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 54. Tc-99 and TCE at MW244 (MRGA)

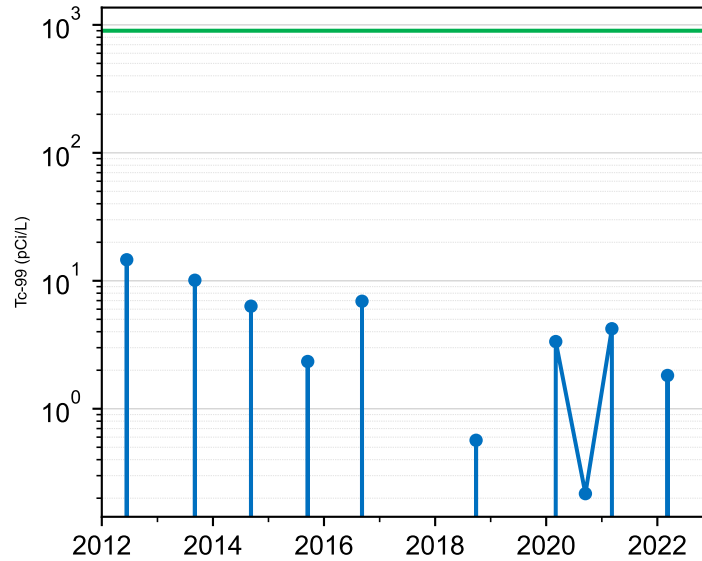
Technetium-99



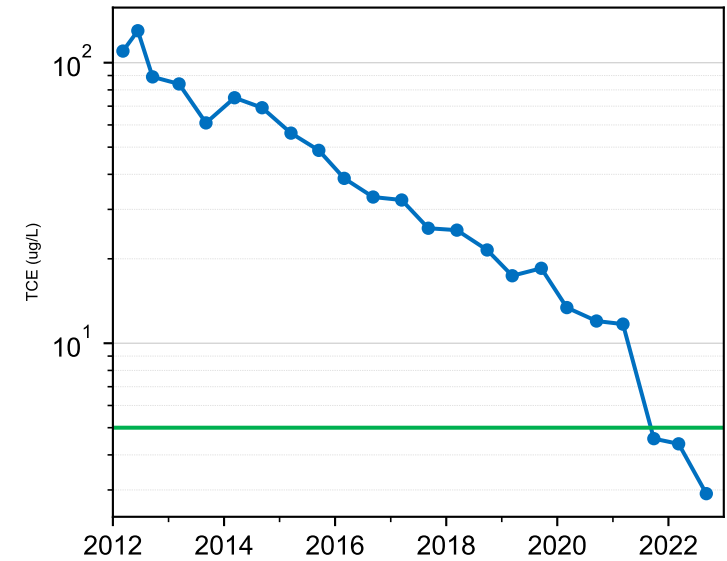
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/07/2012	-7.39 U	110.0 J
06/13/2012	14.6 U	130.0
09/18/2012	-7.17 U	89.0 J
03/11/2013	-0.798 U	84.0
09/04/2013	10.1 U	61.0
03/11/2014	-0.112 U	75.0
09/08/2014	6.33 U	69.1
03/17/2015	-1.91 U	56.1
09/16/2015	2.34 U	48.7
03/01/2016	-13.6 U	38.7
09/07/2016	6.92 U	33.2
03/14/2017	-3.64 U	32.4
09/05/2017	-0.511 U	25.7
03/12/2018	-10.2 U	25.3
09/27/2018	0.567 U	21.5
03/11/2019	-7.0 U	17.4
09/18/2019	-0.193 U	18.5
03/04/2020	3.35 U	13.4
09/15/2020	0.217 U	12.0
03/08/2021	4.22 U	11.7
09/27/2021	-3.86 U	4.57
03/09/2022	1.82 U	4.38
09/07/2022	-0.421 U	2.91

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

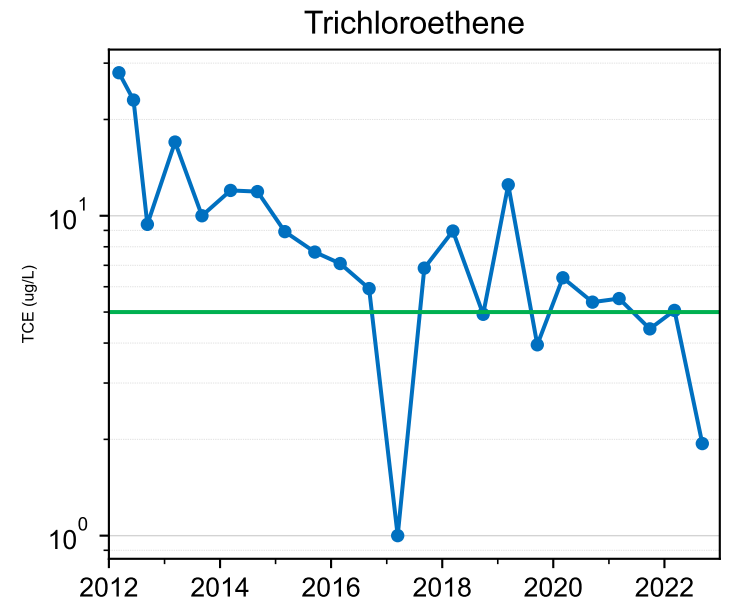
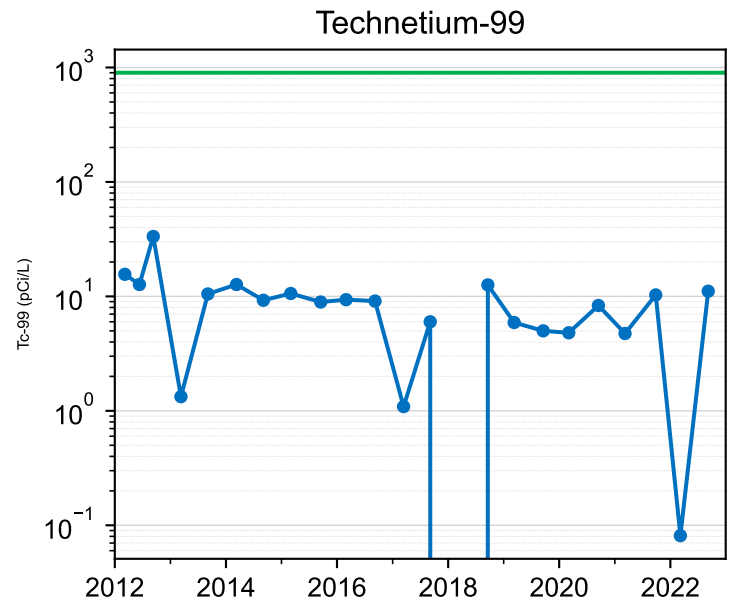
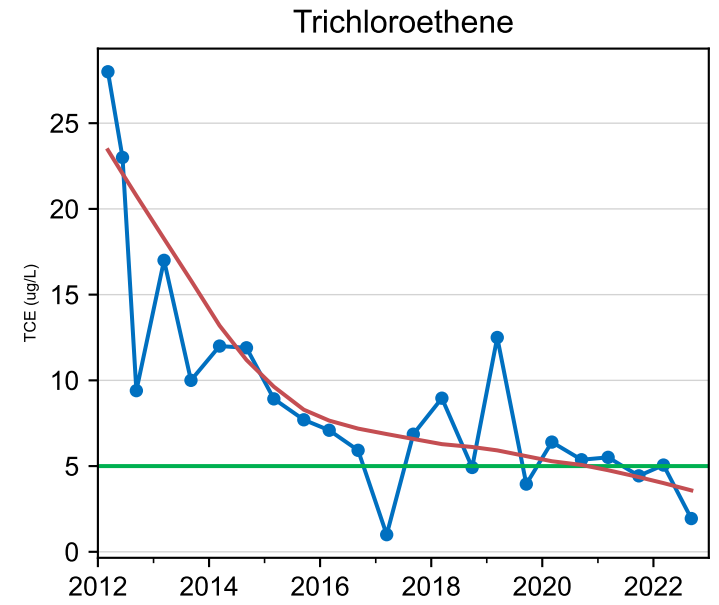
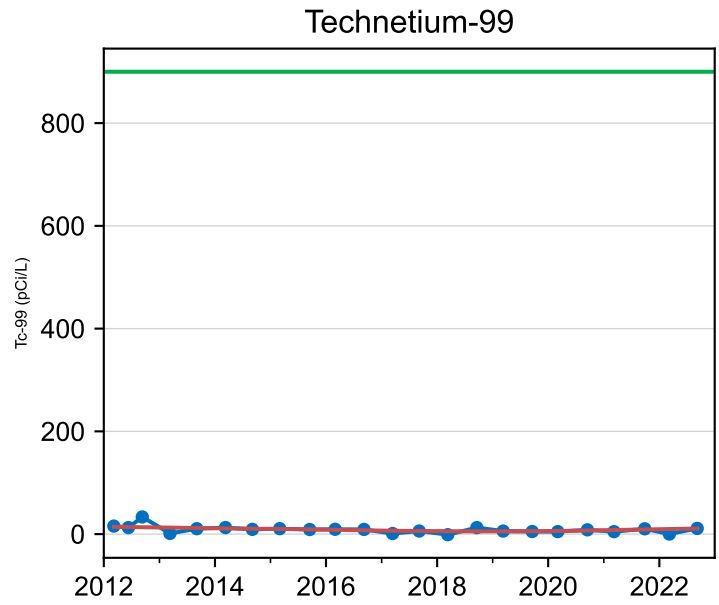
● Data
 — LOWESS
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Figure 55. Tc-99 and TCE at MW245 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/07/2012	15.6 U	28.0 J
06/11/2012	12.7 U	23.0
09/10/2012	33.4	9.4 J
03/11/2013	1.33 U	17.0
09/04/2013	10.5 U	10.0
03/11/2014	12.7 U	12.0
09/04/2014	9.25 U	11.9
03/03/2015	10.6 U	8.92
09/16/2015	8.93 U	7.7
03/01/2016	9.36 U	7.09
09/07/2016	9.1 U	5.92
03/14/2017	1.09 U	1.0 U
09/05/2017	6.0 U	6.86
03/12/2018	-1.1 U	8.96
09/19/2018	12.6 U	
09/27/2018		4.92
03/11/2019	5.91 U	12.5
09/18/2019	5.0 U	3.95
03/04/2020	4.81 U	6.4
09/15/2020	8.33 U	5.37
03/09/2021	4.74 U	5.51
09/27/2021	10.3 U	4.43
03/08/2022	0.0812 U	5.06
09/07/2022	11.1 U	1.94



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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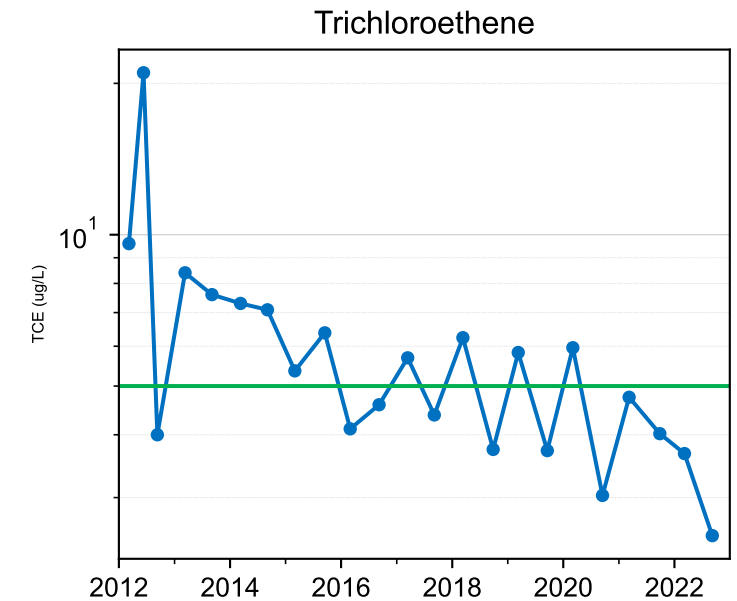
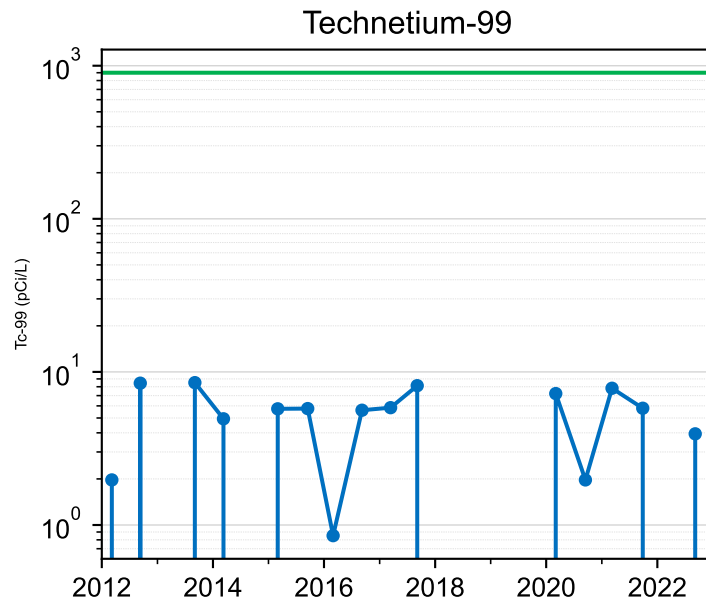
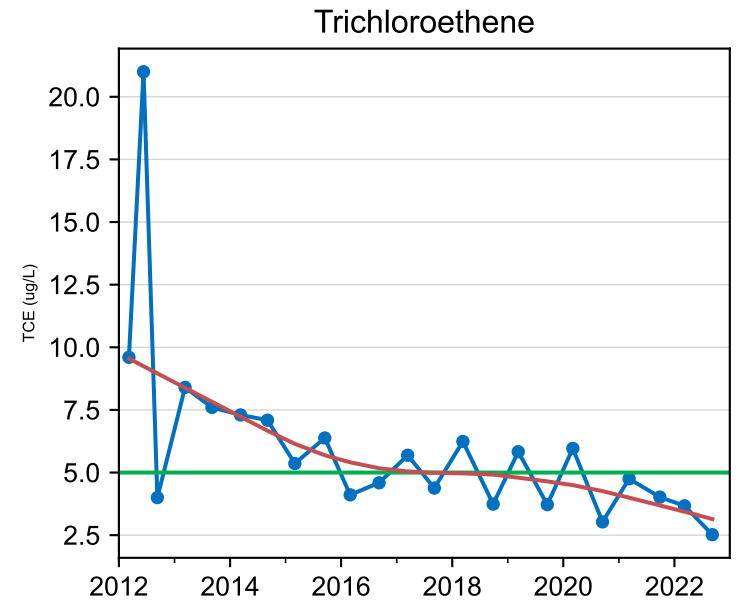
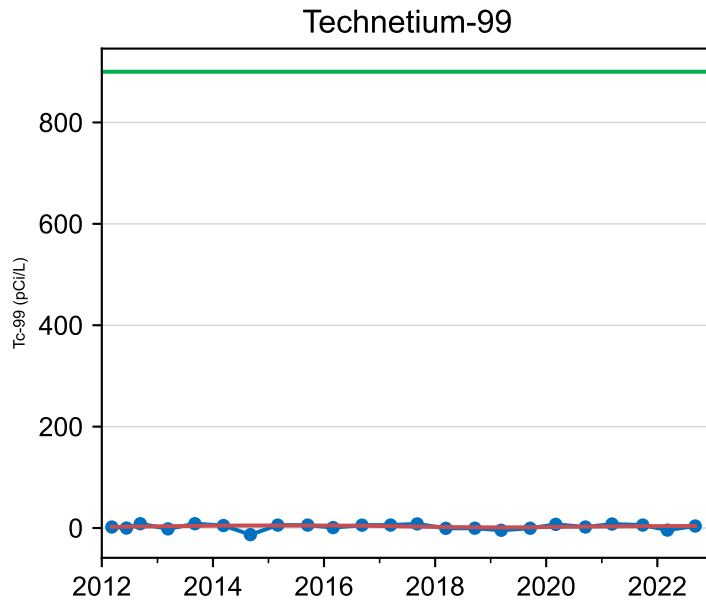


Figure 56. Tc-99 and TCE at MW248 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/07/2012	1.97 U	9.6 J
06/11/2012	-0.0548 U	21.0
09/10/2012	8.44 U	4.0 J
03/11/2013	-1.7 U	8.4
09/04/2013	8.51 U	7.6
03/11/2014	4.94 U	7.3
09/04/2014	-13.1 U	7.09
03/03/2015	5.74 U	5.36
09/16/2015	5.76 U	6.38
03/01/2016	0.852 U	4.11
09/07/2016	5.62 U	4.59
03/14/2017	5.84 U	5.69
09/05/2017	8.13 U	4.38
03/12/2018	-0.586 U	6.24
09/19/2018	-0.378 U	
09/27/2018		3.74
03/11/2019	-4.42 U	5.83
09/18/2019	-0.409 U	3.72
03/04/2020	7.22 U	5.96
09/15/2020	1.97 U	3.03
03/09/2021	7.82 U	4.75
09/27/2021	5.79 U	4.02
03/08/2022	-4.12 U	3.67
09/07/2022	3.94 U	2.52



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

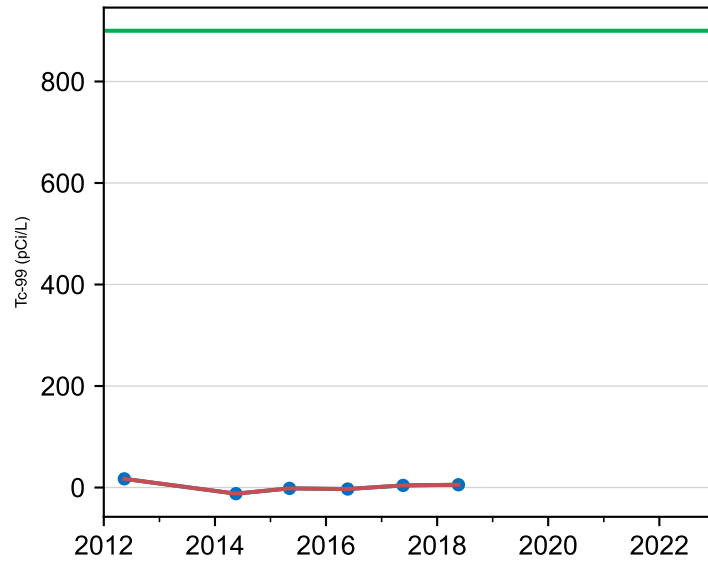
● Data
 — LOWESS
 — MCLs

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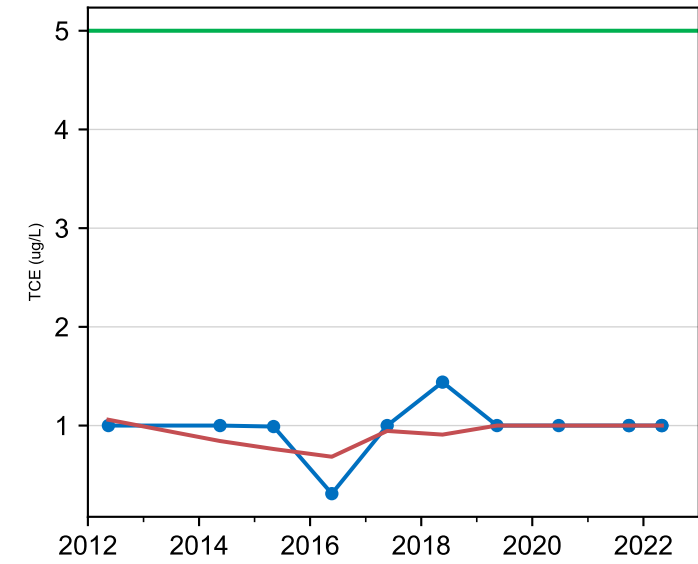
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 NUCLEAR PARTNERSHIP, LLC

Figure 57. Tc-99 and TCE at MW250 (MRGA)

Technetium-99

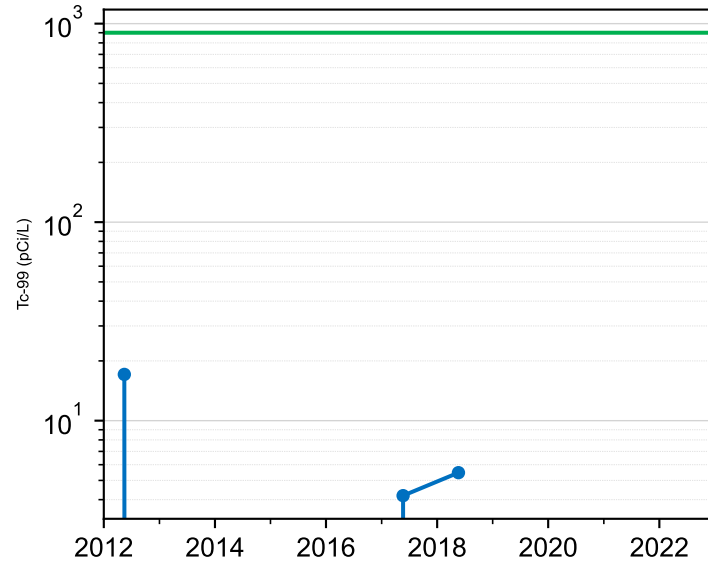


Trichloroethene

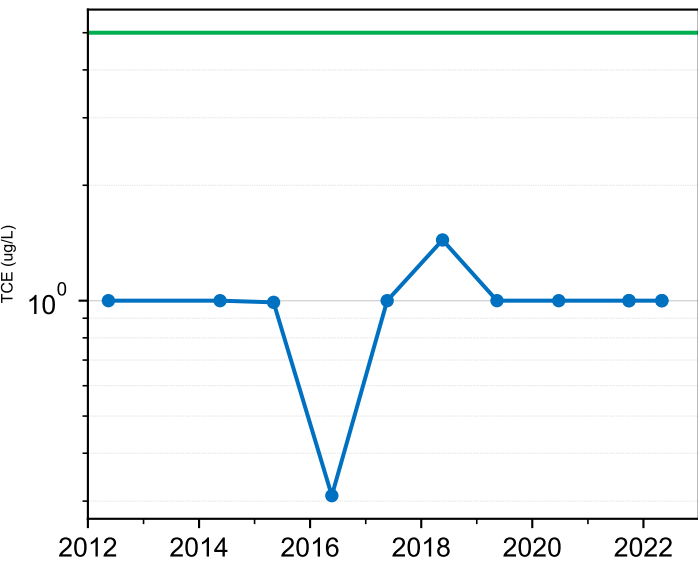


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/15/2012	17.1	1.0 U
05/19/2014	-12.1 U	1.0 U
05/06/2015	-1.68 U	0.99 J
05/23/2016	-2.95 U	0.31 J
05/22/2017	4.19 U	1.0 U
05/21/2018	5.47 U	1.44
05/14/2019		1.0 U
06/23/2020		1.0 U
09/28/2021		1.0 U
05/02/2022		1.0 U

Technetium-99



Trichloroethene



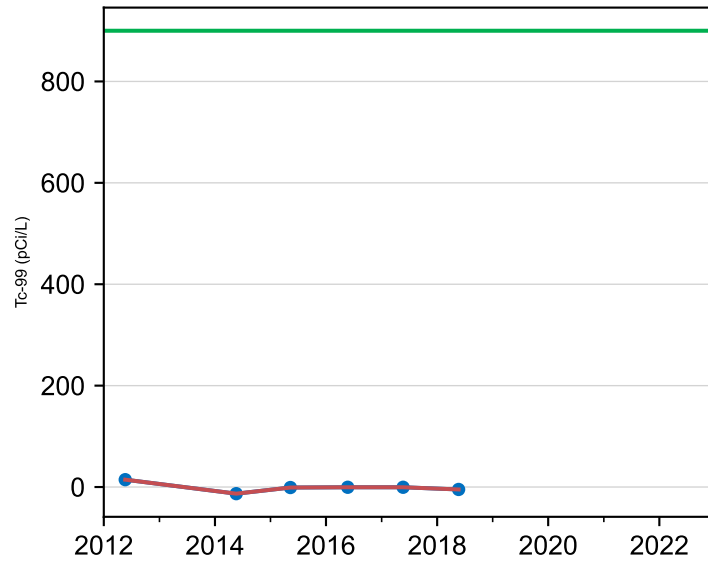
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

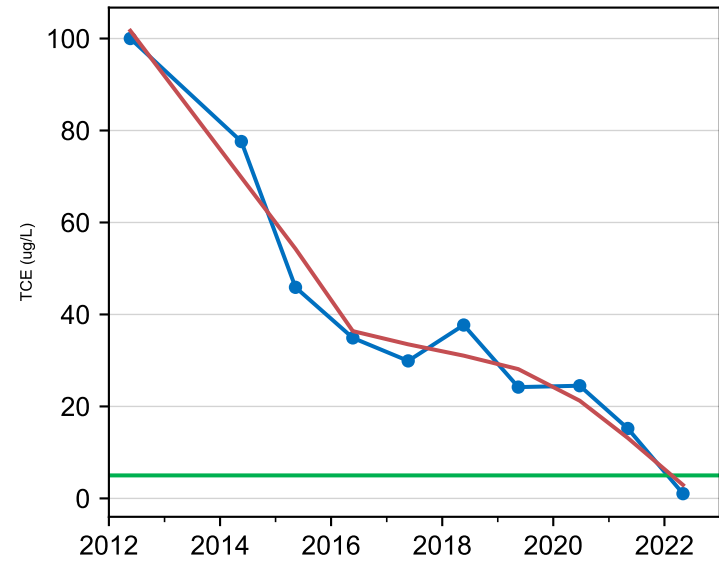
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Figure 58. Tc-99 and TCE at MW252 (LRGA)

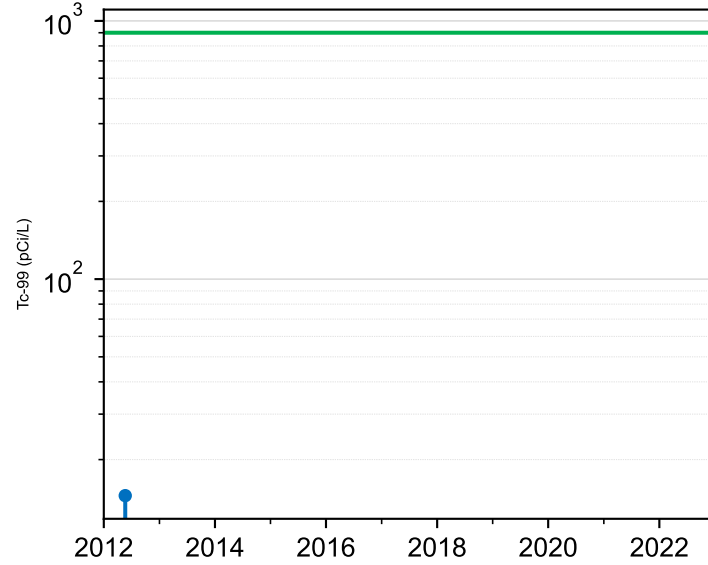
Technetium-99



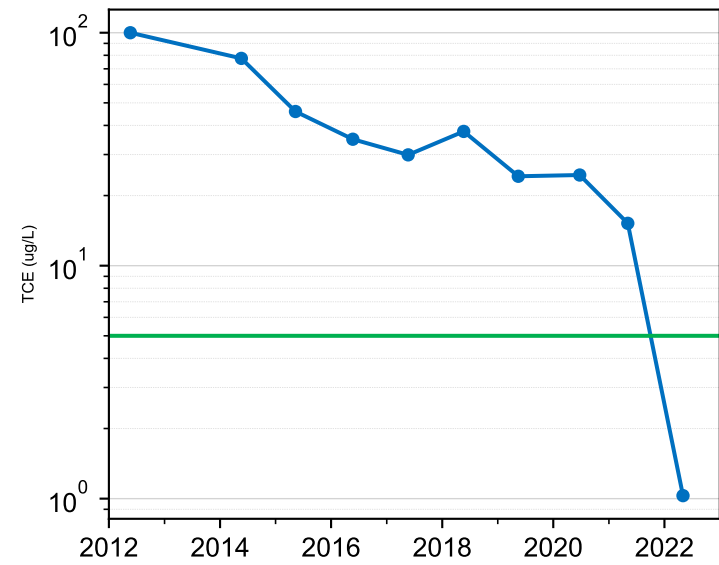
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/21/2012	14.5 U	100.0
05/21/2014	-13.1 U	77.6
05/12/2015	-0.994 U	45.9
05/23/2016	-0.467 U	34.9
05/22/2017	-0.47 U	29.9
05/22/2018	-4.8 U	37.7
05/16/2019		24.2
06/23/2020		24.5
05/05/2021		15.2
05/03/2022		1.03

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

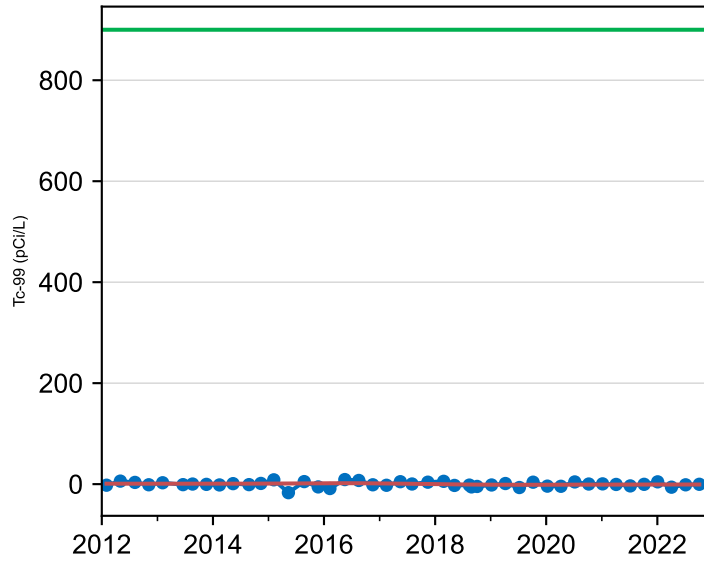
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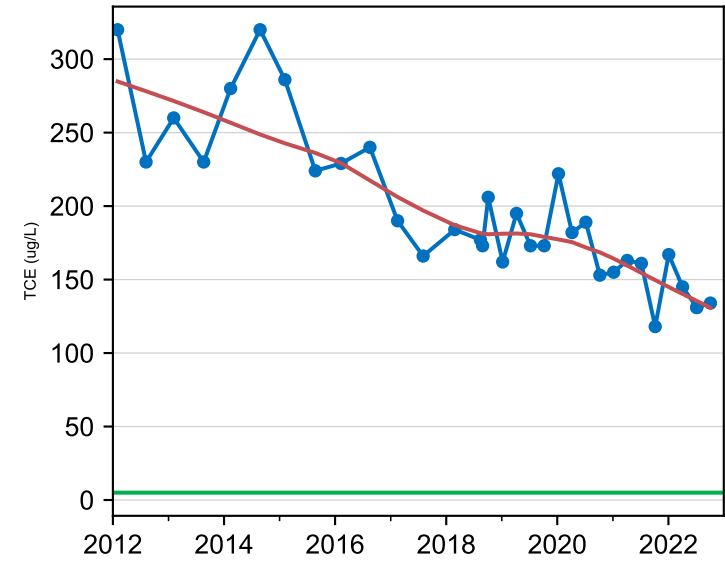
Figure 59. Tc-99 and TCE at MW253/MW253A (RGA)

Source: Trend_Plots_V1.ipynb

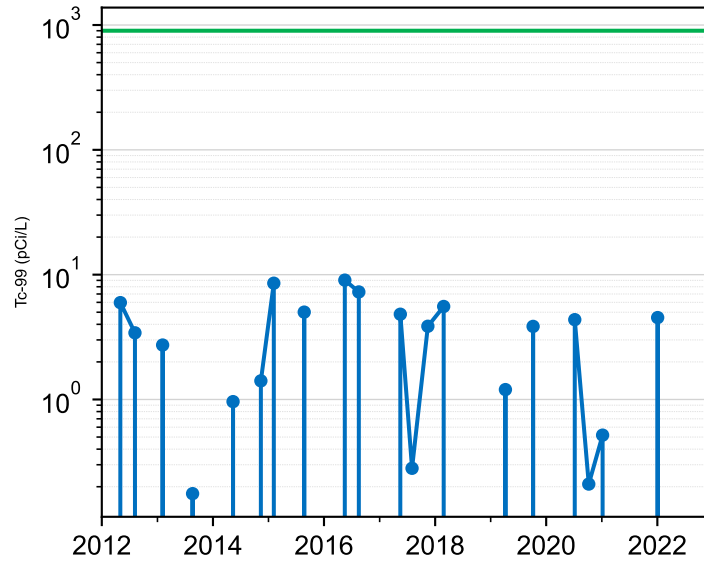
Technetium-99



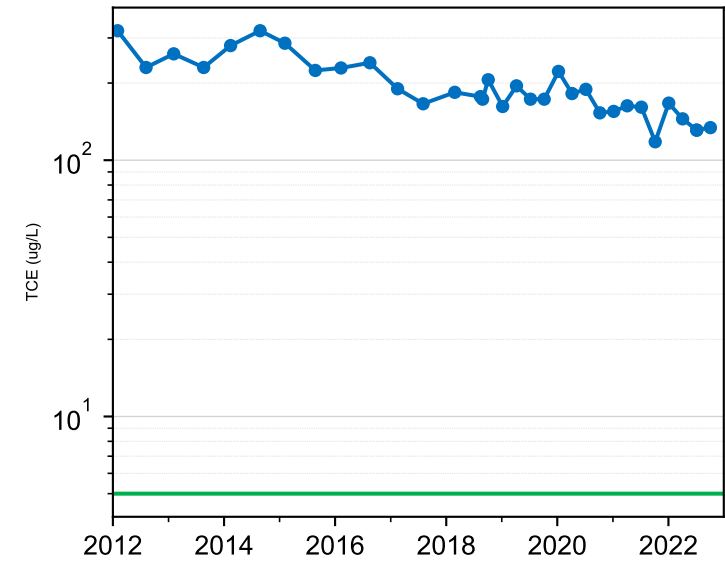
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/01/2012	-2.11 U	320.0
05/02/2012	5.97 U	
08/06/2012	3.42 U	230.0 J
11/05/2012	-1.24 U	
02/04/2013	2.73 U	260.0
06/18/2013	-1.02 U	
08/20/2013	0.176 U	230.0
11/19/2013	-0.455 U	
02/13/2014	-1.59 U	280.0
05/13/2014	0.961 U	
08/26/2014	-0.985 U	320.0
11/12/2014	1.41 U	
02/05/2015	8.54 U	286.0
05/12/2015	-16.9 U	
08/24/2015	5.01 U	224.0
11/24/2015	-5.5 U	
02/09/2016	-8.7 U	229.0
05/17/2016	9.04 U	
08/17/2016	7.27 U	240.0
11/17/2016	-1.29 U	
02/15/2017	-2.25 U	190.0
05/17/2017	4.82 U	
08/02/2017	0.281 U	166.0
11/14/2017	3.86 U	
02/26/2018	5.56 U	184.0
05/08/2018	-2.55 U	
08/14/2018	-1.92 U	177.0
08/28/2018	-5.48 U	173.0
10/04/2018	-4.57 U	206.0
01/07/2019	-1.67 U	162.0
04/08/2019	1.2 U	195.0
07/09/2019	-6.71 U	173.0
10/07/2019	3.85 U	173.0
01/09/2020	-3.97 U	222.0
04/07/2020	-4.26 U	182.0
07/07/2020	4.36 U	189.0
10/07/2020	0.21 U	153.0
01/06/2021	0.518 U	155.0
04/05/2021	-0.602 U	163.0
07/07/2021	-3.5 U	161.0
10/06/2021	-0.365 U	118.0 J
01/03/2022	4.53 U	167.0
04/04/2022	-6.04 U	145.0
07/06/2022	-1.34 U	131.0
10/04/2022	-0.316 U	134.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

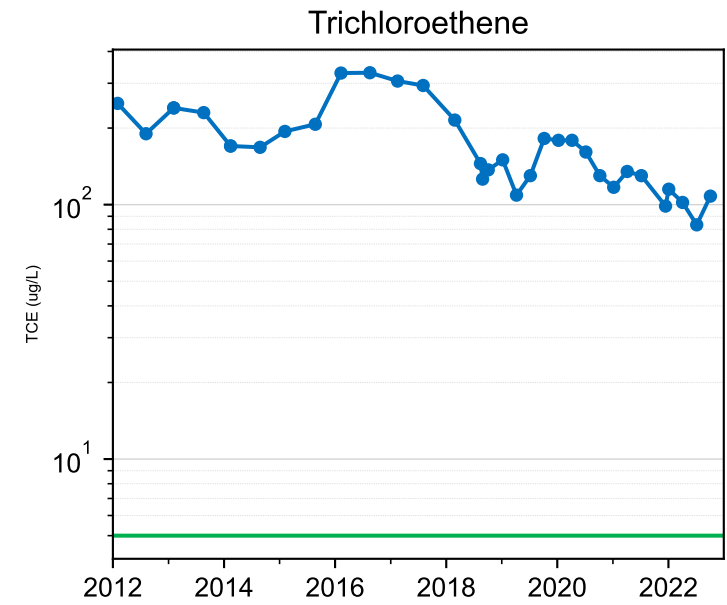
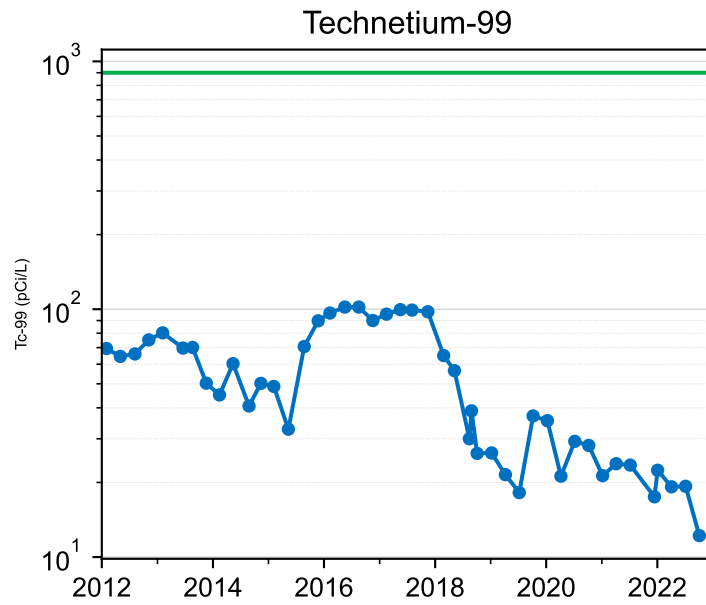
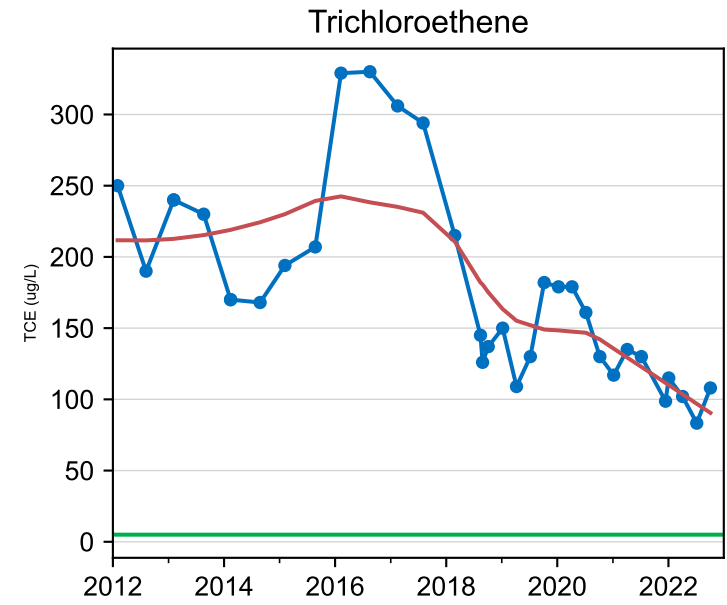
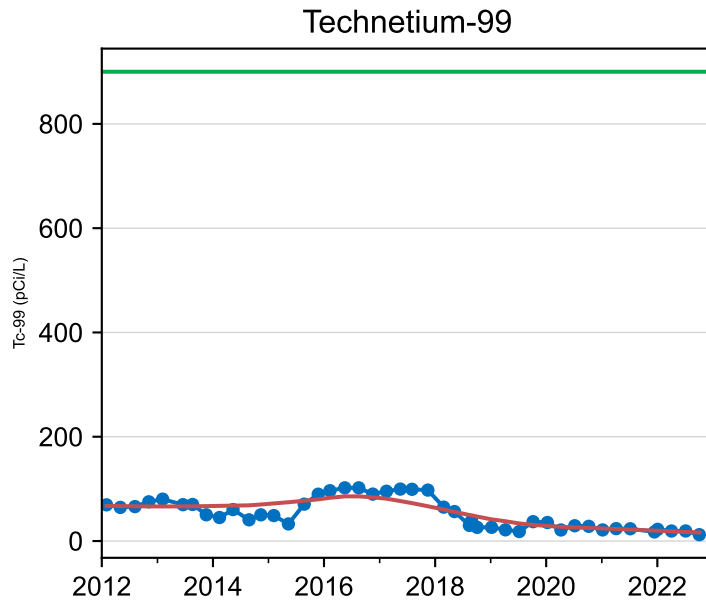
● Data
 — LOWESS
 — MCLs

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Figure 60. Tc-99 and TCE at MW255 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/01/2012	69.4	250.0
05/02/2012	64.5	
08/06/2012	66.0	190.0 J
11/05/2012	75.2	
02/04/2013	80.3	240.0
06/18/2013	69.7	230.0
08/20/2013	70.1	
11/18/2013	50.3	
02/13/2014	45.1	170.0
05/13/2014	60.3	
08/26/2014	40.7	168.0
11/12/2014	50.2	
02/05/2015	48.8	194.0
05/12/2015	32.8	
08/24/2015	70.7	207.0
11/24/2015	89.8	
02/09/2016	96.5	329.0
05/17/2016	102.0	
08/17/2016	102.0	330.0
11/17/2016	90.0	
02/15/2017	95.5	306.0
05/17/2017	99.6	
08/02/2017	99.2	294.0
11/14/2017	97.7	
02/26/2018	65.0	215.0
05/08/2018	56.5	
08/14/2018	30.0	145.0
08/28/2018	38.9	126.0
10/04/2018	26.2	137.0
01/07/2019	26.3	150.0
04/08/2019	21.5	109.0
07/08/2019	18.2	130.0
10/07/2019	37.1	182.0
01/09/2020	35.5	179.0
04/07/2020	21.2	179.0
07/07/2020	29.3	161.0
10/07/2020	28.2	130.0
01/06/2021	21.3	117.0
04/05/2021	23.8	135.0
07/07/2021	23.5	130.0
12/13/2021	17.5	98.7
01/03/2022	22.4	115.0
04/04/2022	19.2	102.0
07/06/2022	19.3	83.3
10/04/2022	12.2	108.0



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

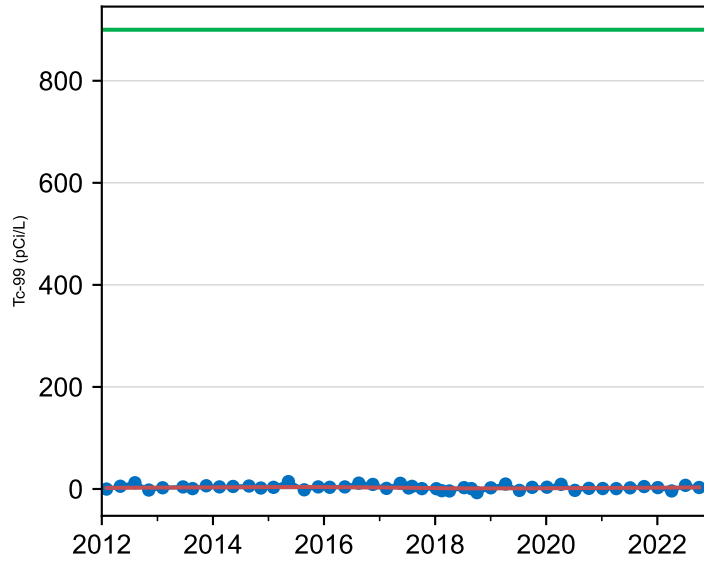
● Data
 — LOWESS
 — MCLs

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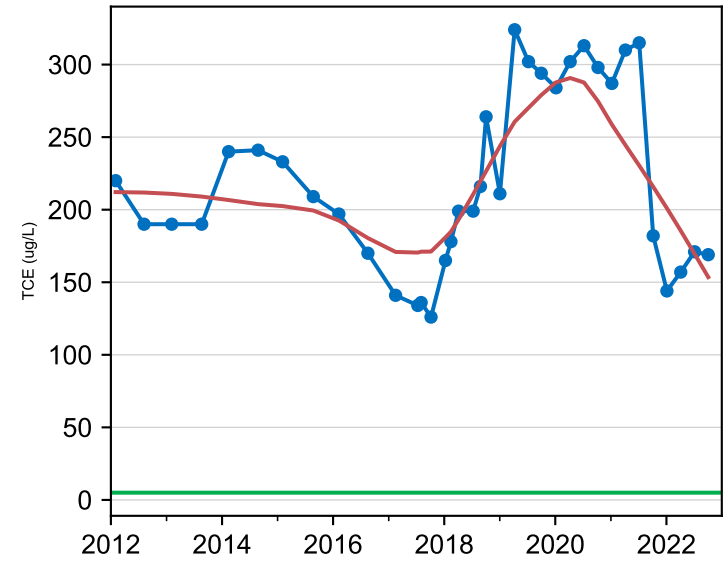
Figure 61. Tc-99 and TCE at MW256 (LRGA)

Source: Trend_Plots_V1.ipynb

Technetium-99

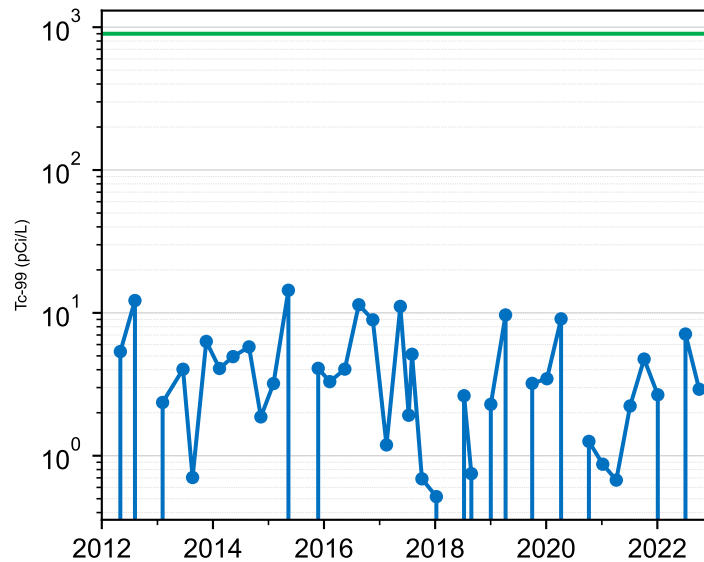


Trichloroethene

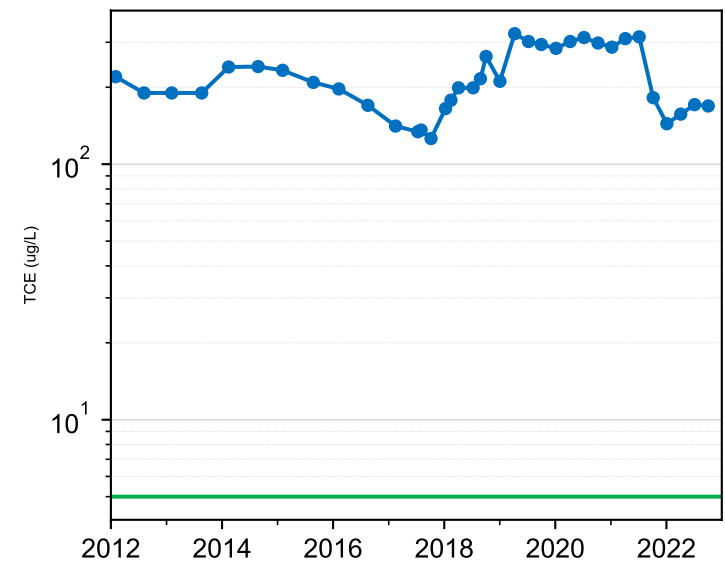


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/01/2012	-0.166 U	220.0
05/02/2012	5.36 U	
08/06/2012	12.2 U	190.0 J
11/05/2012	-2.04 U	
02/04/2013	2.36 U	190.0
06/18/2013	4.03 U	
08/20/2013	0.704 U	190.0
11/18/2013	6.31 U	
02/13/2014	4.08 U	240.0
05/13/2014	4.94 U	
08/26/2014	5.78 U	241.0
11/12/2014	1.87 U	
02/03/2015	3.2 U	233.0
05/12/2015	14.4 U	
08/24/2015	-1.63 U	209.0
11/24/2015	4.09 U	
02/08/2016	3.3 U	197.0
05/17/2016	4.04 U	
08/17/2016	11.4 U	170.0
11/17/2016	8.94 U	
02/15/2017	1.19 U	141.0
05/17/2017	11.1 U	
07/11/2017	1.92 U	134.0
08/02/2017	5.13 U	136.0
10/06/2017	0.689 U	126.0
01/09/2018	0.517 U	165.0
02/14/2018	-3.38 U	178.0
04/05/2018	-3.87 U	199.0
07/10/2018	2.63 U	199.0
08/27/2018	0.749 U	216.0
10/03/2018	-7.22 U	264.0
01/02/2019	2.29 U	211.0
04/09/2019	9.67 U	324.0
07/09/2019	-2.76 U	302.0
10/01/2019	3.21 U	294.0
01/06/2020	3.46 U	284.0
04/08/2020	9.08 U	302.0
07/08/2020	-2.72 U	313.0
10/08/2020	1.26 U	298.0
01/07/2021	0.872 U	287.0
04/06/2021	0.675 U	310.0
07/06/2021	2.23 U	315.0
10/06/2021	4.75 U	182.0 J
01/04/2022	2.67 U	144.0
04/05/2022	-3.88 U	157.0
07/05/2022	7.11 U	171.0
10/03/2022	2.92 U	169.0

Technetium-99



Trichloroethene



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

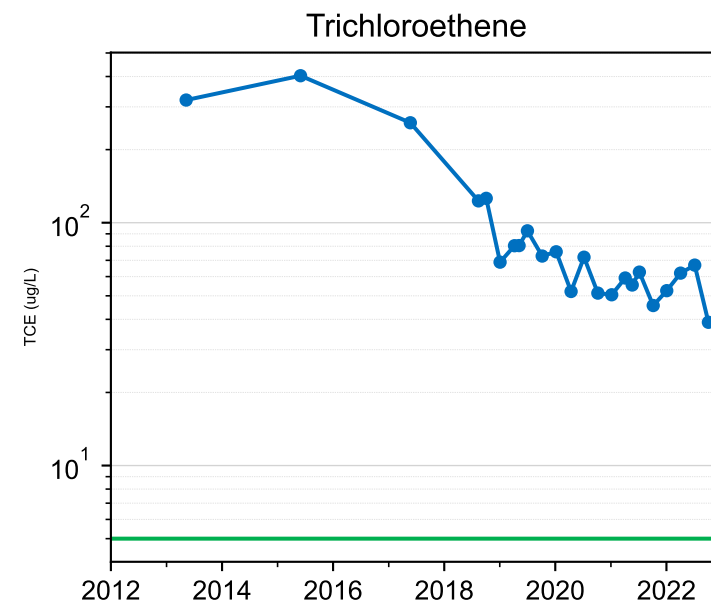
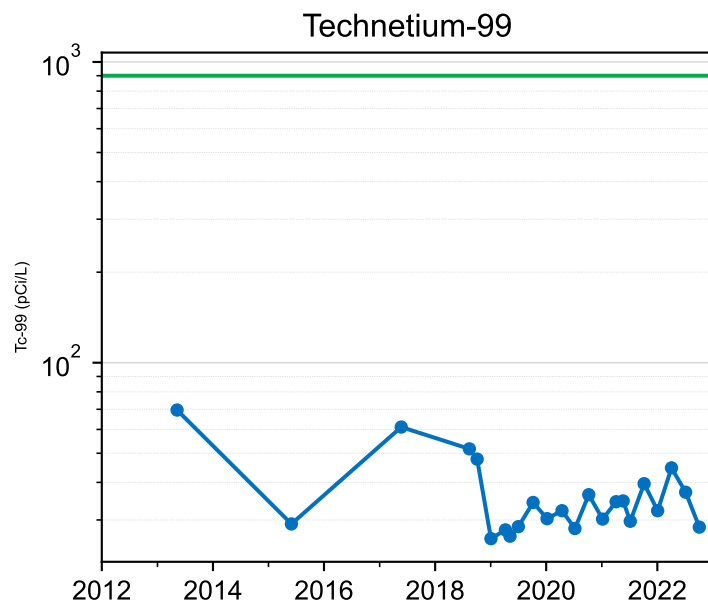
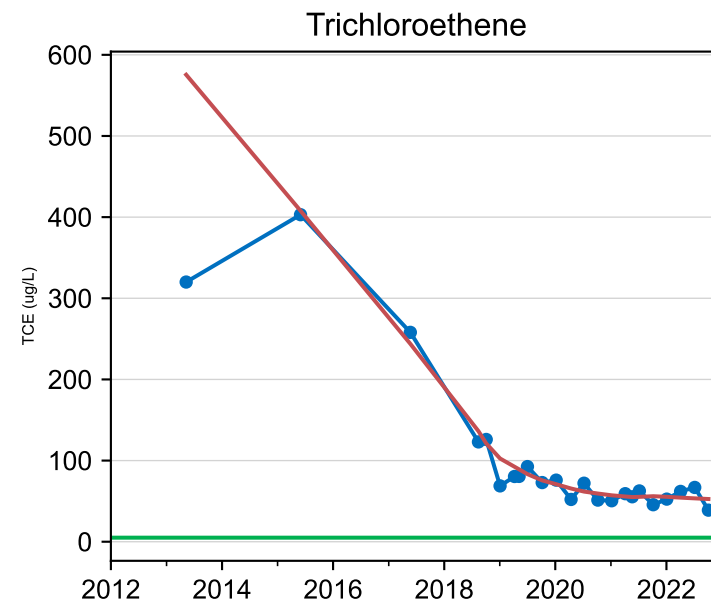
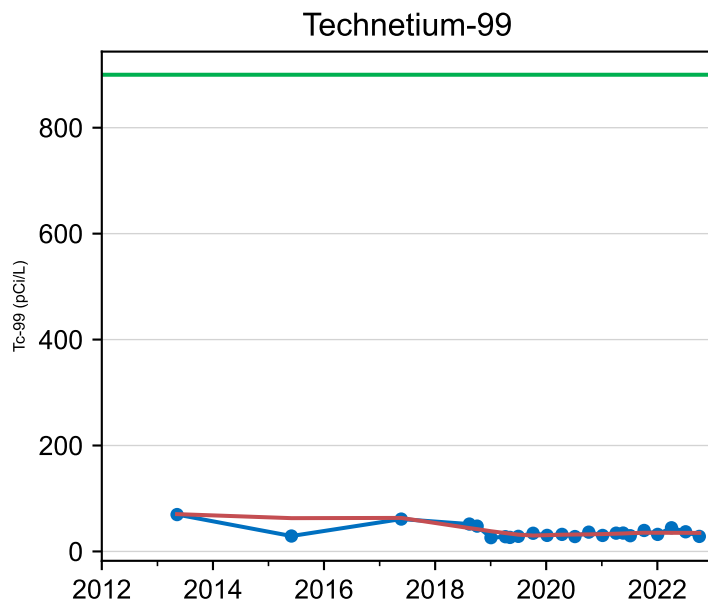
● Data
 — LOWESS
 — MCLs

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Figure 62. Tc-99 and TCE at MW258 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/10/2013	69.6	320.0
06/01/2015	29.1	403.0
05/23/2017	61.1	258.0
08/14/2018	51.7	123.0
10/04/2018	47.8	128.0
01/03/2019	26.0	68.8
04/08/2019	27.8	80.4
05/08/2019	26.5	80.5
07/02/2019	28.5	92.6
10/07/2019	34.3	72.9
01/07/2020	30.3	75.9
04/14/2020	32.2	52.1
07/08/2020	28.1	72.1
10/07/2020	36.4	51.3
01/06/2021	30.2	50.5
04/05/2021	34.5	59.2
05/21/2021	34.7	55.4 J
07/07/2021	29.7	62.6
10/06/2021	39.6	45.6 J
01/03/2022	32.2	52.5
04/04/2022	44.7	62.0
07/06/2022	37.1	66.9
10/04/2022	28.4	38.9



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

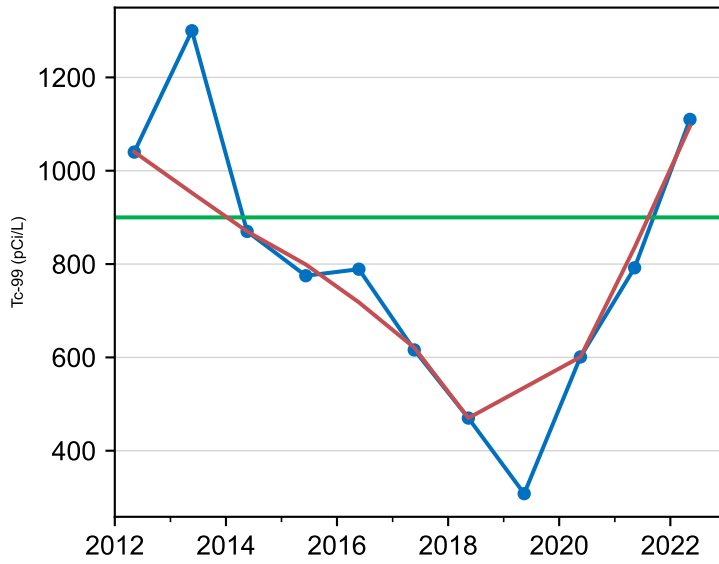
● Data
— LOWESS
— MCLs

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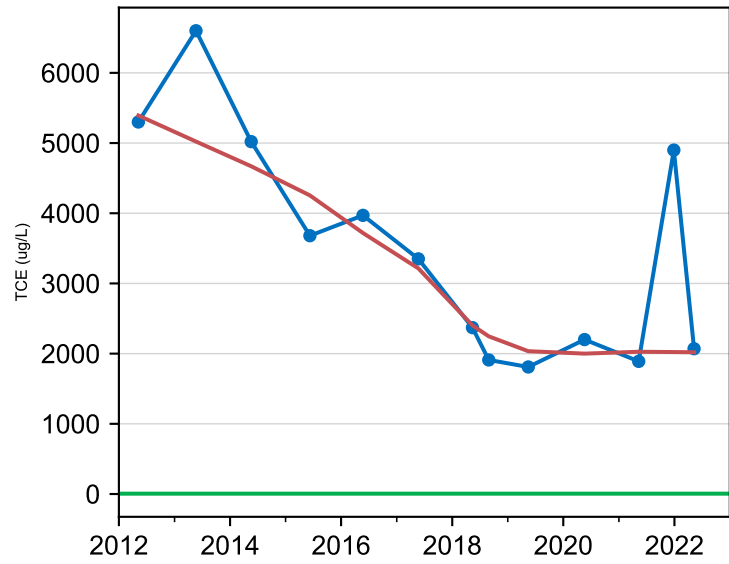
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Figure 63. Tc-99 and TCE at MW260 (LRGA)

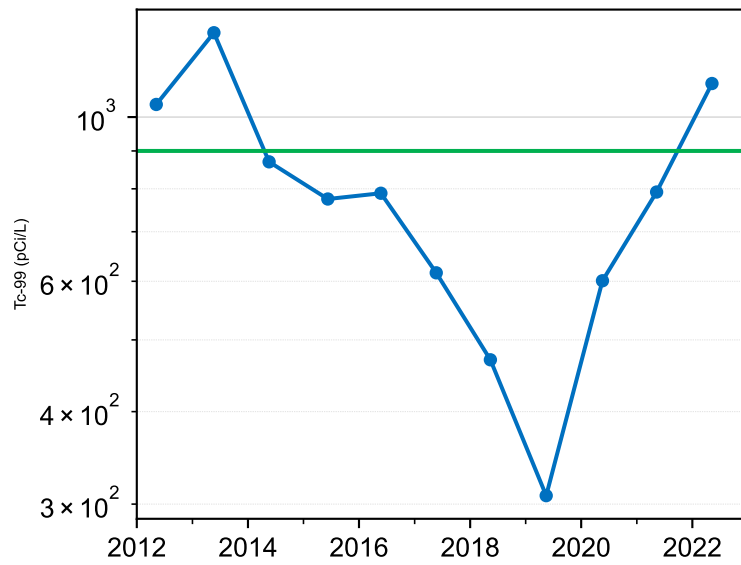
Technetium-99



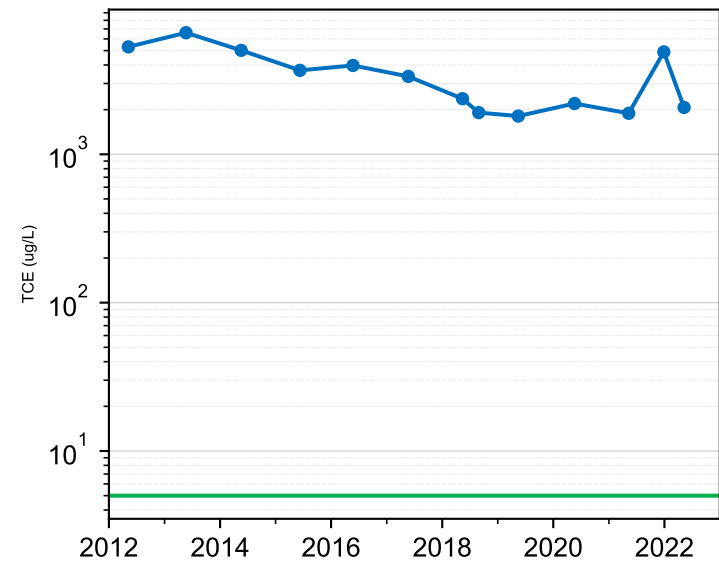
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/08/2012	1040.0	5300.0
05/22/2013	1300.0	6600.0
05/20/2014	870.0	5020.0
06/10/2015	775.0	3680.0
05/24/2016	789.0	3970.0
05/23/2017	616.0	3350.0
05/14/2018	470.0	2370.0 J
08/29/2018		1910.0
05/16/2019	308.0	1810.0
05/20/2020	601.0	2200.0
05/11/2021	792.0	1890.0
12/28/2021		4900.0
05/10/2022	1110.0	2070.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

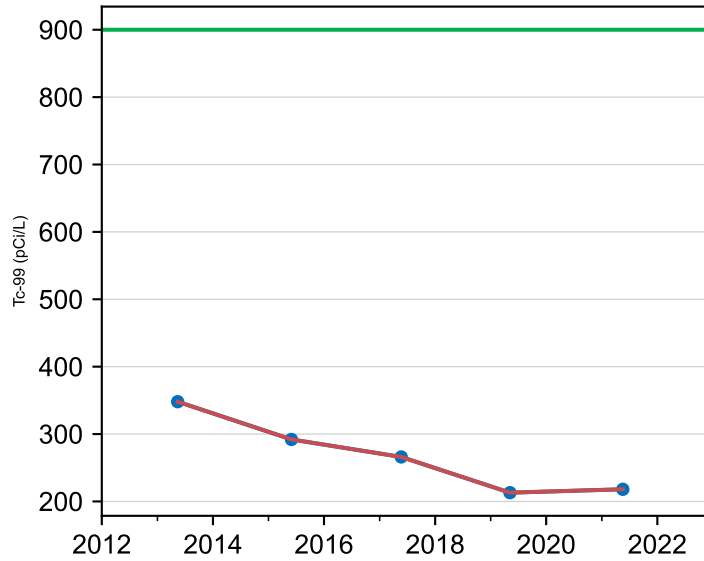
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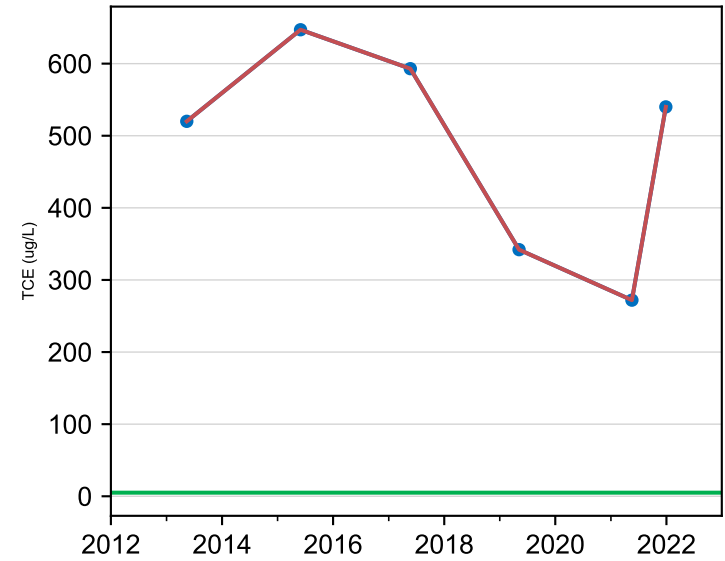
Figure 64. Tc-99 and TCE at MW261 (LRGA)

Source: Trend_Plots_V1.ipynb

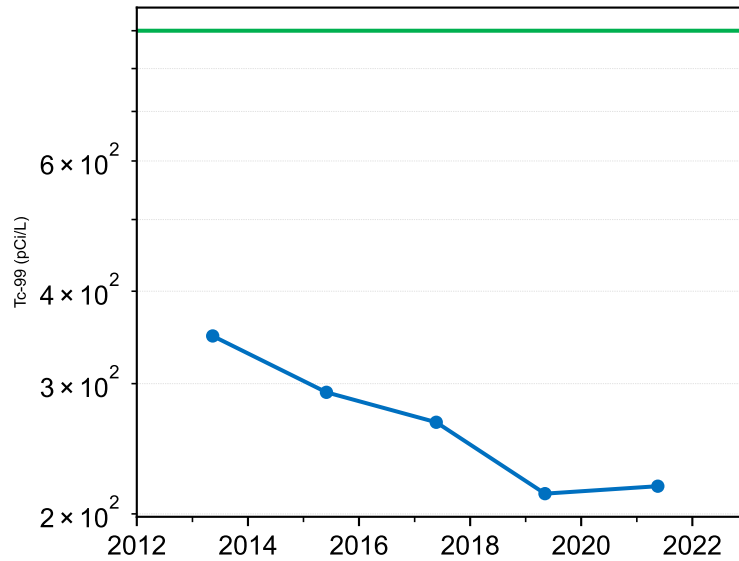
Technetium-99



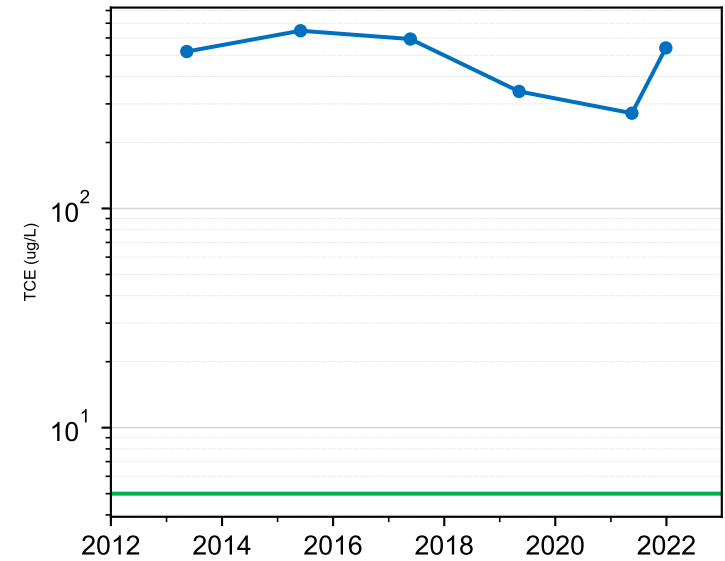
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/14/2013	348.0	520.0
06/01/2015	292.0	647.0
05/23/2017	266.0	593.0
05/08/2019	213.0	342.0
05/19/2021	218.0	272.0
12/28/2021		540.0

- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

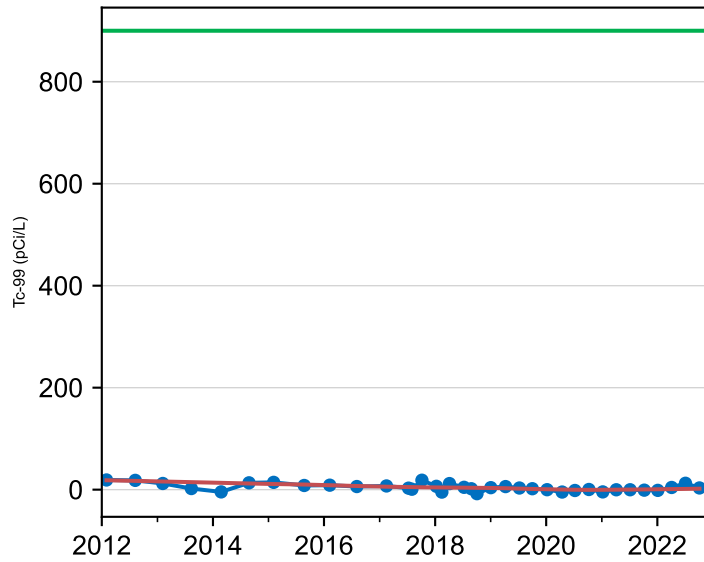
● Data
— LOWESS
— MCLs

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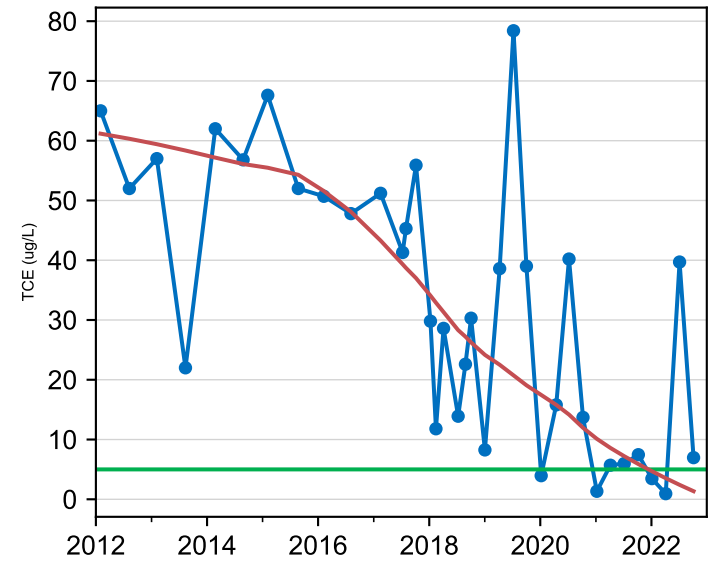
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Figure 65. Tc-99 and TCE at MW262 (LRGA)

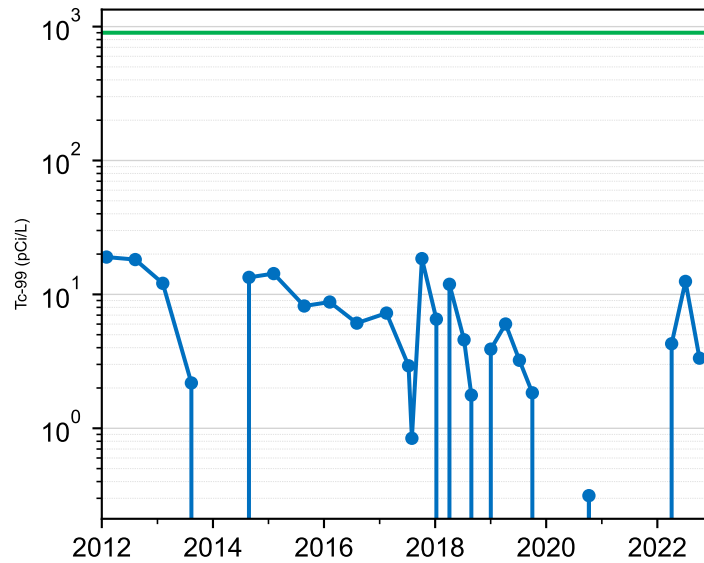
Technetium-99



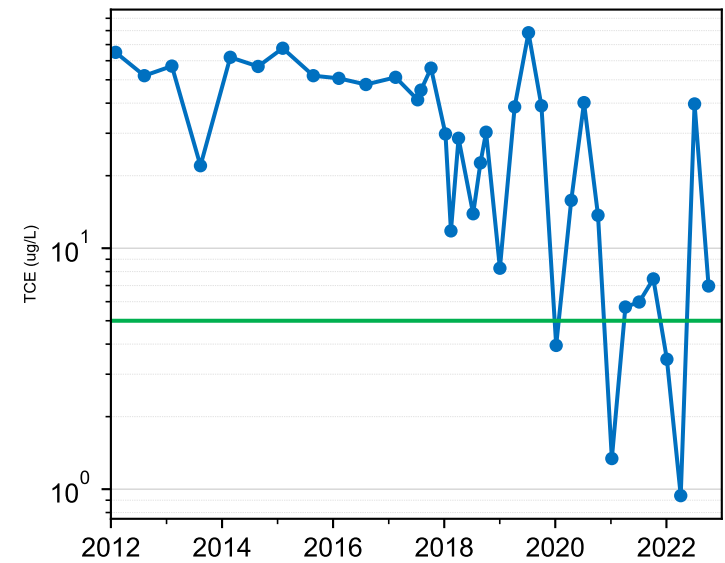
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/01/2012	19.0	65.0
08/08/2012	18.2	52.0 J
02/05/2013	12.1 U	57.0
08/12/2013	2.18 U	22.0
02/24/2014	-4.42 U	62.0
08/26/2014	13.4 U	56.8
02/04/2015	14.3 U	67.6
08/24/2015	8.19 U	52.0
02/08/2016	8.77 U	50.7
08/04/2016	6.1 U	47.8
02/15/2017	7.25 U	51.2
07/10/2017	2.93 U	41.3
08/01/2017	0.842 U	45.3
10/06/2017	18.5	55.9
01/09/2018	6.53 U	29.8
02/14/2018	-4.79 U	11.8
04/05/2018	11.9 U	28.6
07/10/2018	4.58 U	13.9
08/27/2018	1.77 U	22.6
10/03/2018	-7.88 U	30.3
01/02/2019	3.9 U	8.26
04/09/2019	6.01 U	38.6
07/09/2019	3.22 U	78.4
10/02/2019	1.84 U	39.0
01/07/2020	-0.0948 U	3.95
04/15/2020	-4.68 U	15.8
07/08/2020	-1.65 U	40.2
10/08/2020	0.314 U	13.7
01/07/2021	-4.41 U	1.34
04/06/2021	-0.227 U	5.7
07/06/2021	-0.202 U	5.98
10/07/2021	-1.0 U	7.46
01/04/2022	-1.41 U	3.46
04/05/2022	4.28 U	0.94 J
07/05/2022	12.5 U	39.7
10/05/2022	3.34 U	6.97

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

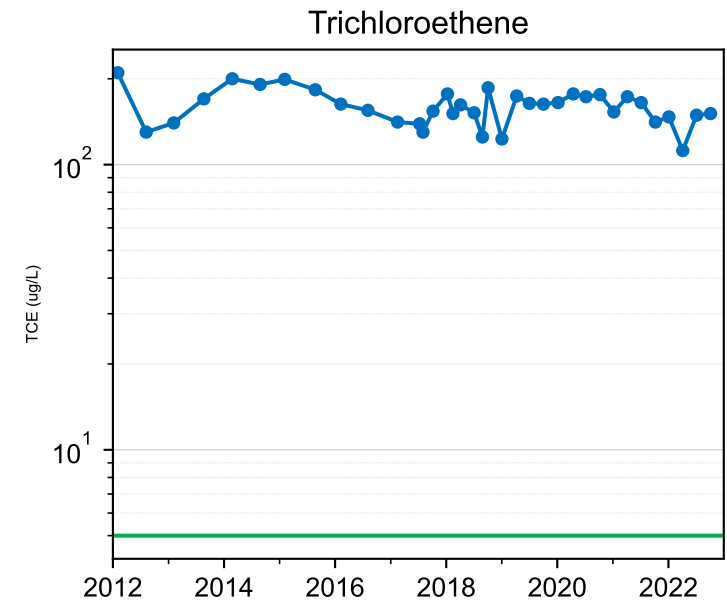
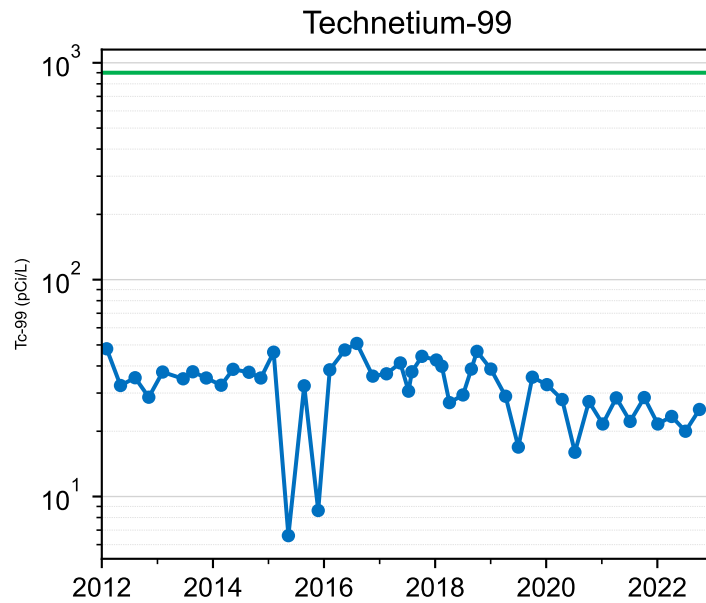
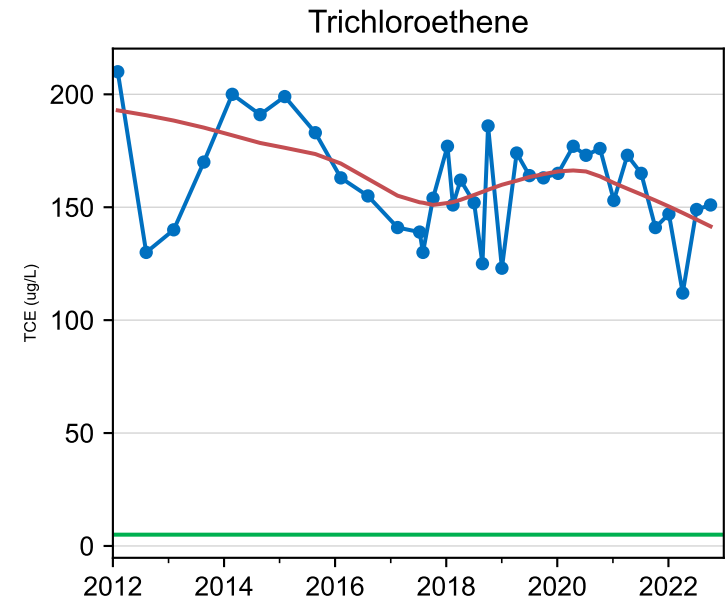
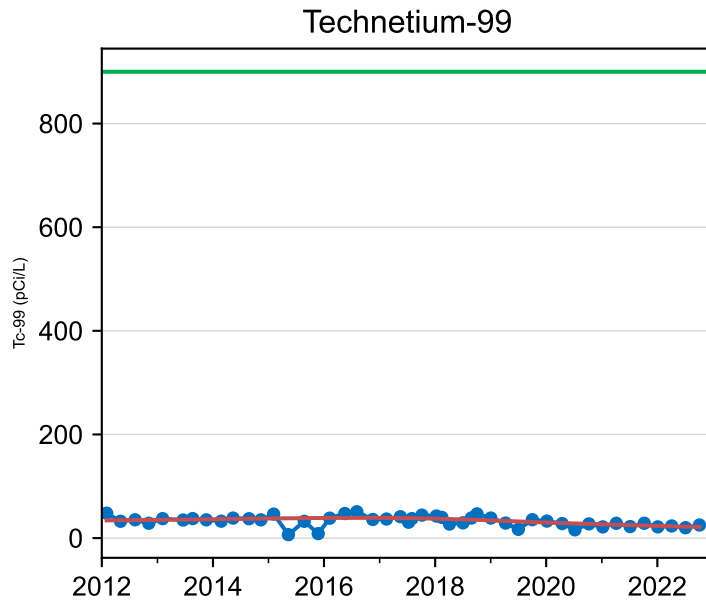
● Data
 — LOWESS
 — MCLs

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Figure 66. Tc-99 and TCE at MW283 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/02/2012	48.0	210.0
05/03/2012	32.5	
08/07/2012	35.3	130.0 J
11/05/2012	28.7	
02/04/2013	37.5	140.0
06/19/2013	34.9	
08/21/2013	37.6	170.0
11/18/2013	35.2	
02/24/2014	32.6	200.0
05/13/2014	38.6	
08/26/2014	37.4	191.0
11/12/2014	35.2	
02/04/2015	46.3	199.0
05/12/2015	6.6 U	
08/24/2015	32.4	183.0
11/24/2015	8.62 U	
02/08/2016	38.4	163.0
05/17/2016	47.4	
08/04/2016	50.8	155.0
11/17/2016	35.9	
02/15/2017	36.8	141.0
05/17/2017	41.3	
07/10/2017	30.6	139.0
08/01/2017	37.6	130.0
10/06/2017	44.3	154.0
01/09/2018	42.6	177.0
02/14/2018	39.9	151.0
04/05/2018	27.1	162.0
07/03/2018	29.4	152.0
08/27/2018	38.7	125.0
10/03/2018	46.7	186.0
01/02/2019	38.7	123.0
04/09/2019	29.0	174.0
07/02/2019	16.9	164.0
10/02/2019	35.5	163.0
01/06/2020	32.8	165.0
04/15/2020	28.0	177.0
07/08/2020	16.0	173.0
10/08/2020	27.4	176.0
01/07/2021	21.6	153.0
04/06/2021	28.5	173.0
07/06/2021	22.2	165.0
10/07/2021	28.6	141.0
01/04/2022	21.6	147.0
04/05/2022	23.4	112.0
07/05/2022	20.0	149.0
10/05/2022	25.2	151.0



Notes:

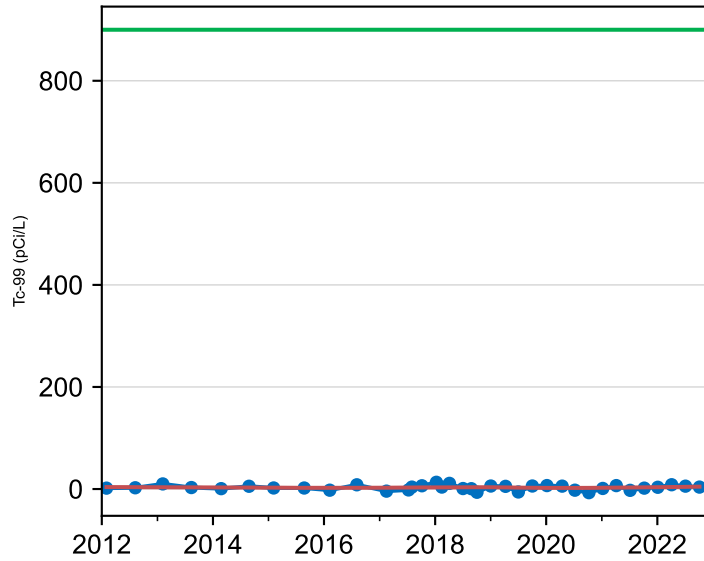
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

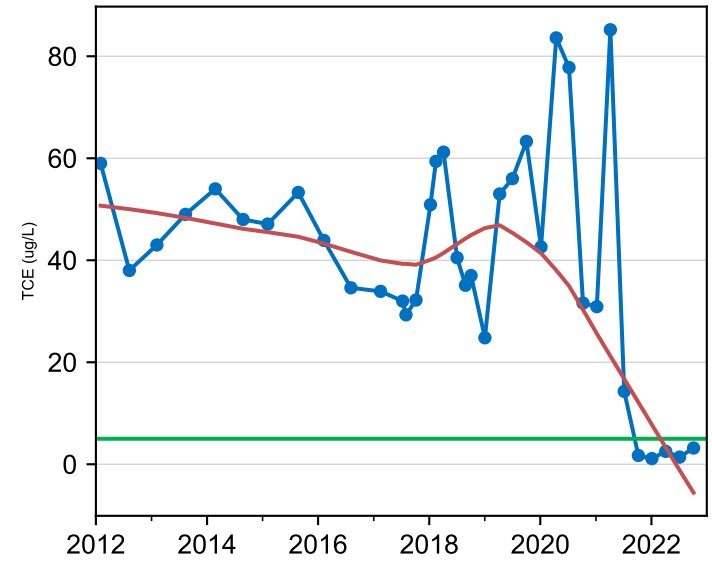
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Figure 67. Tc-99 and TCE at MW288 (LRGA)

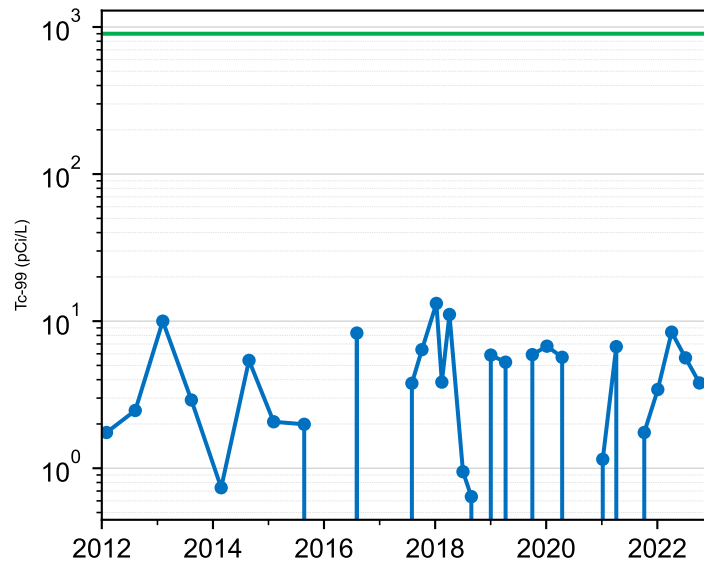
Technetium-99



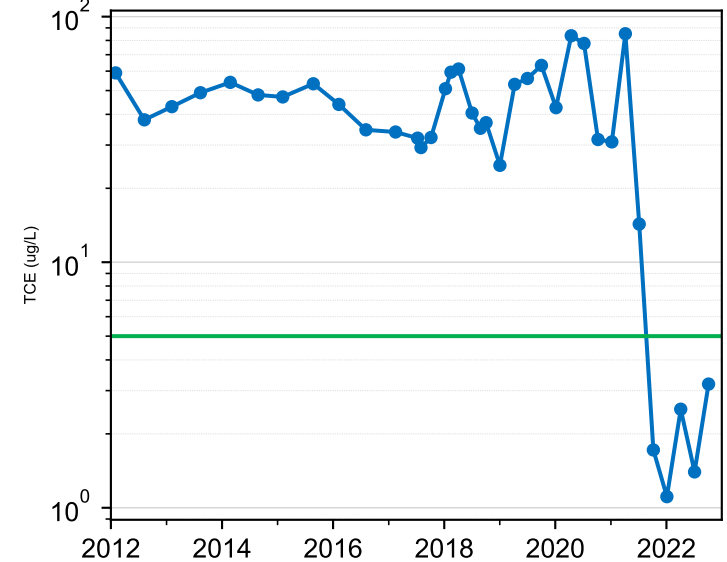
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/01/2012	1.75 U	59.0
08/08/2012	2.47 U	38.0 J
02/05/2013	10.0 U	43.0
08/12/2013	2.91 U	49.0
02/24/2014	0.737 U	54.0
08/26/2014	5.41 U	48.0
02/04/2015	2.07 U	47.1
08/24/2015	1.99 U	53.3
02/08/2016	-2.27 U	43.9
08/04/2016	8.3 U	34.6
02/15/2017	-4.14 U	33.9
07/10/2017	-1.76 U	32.0
08/01/2017	3.78 U	29.3
10/06/2017	6.4 U	32.2
01/09/2018	13.2	50.9
02/14/2018	3.85 U	59.4
04/05/2018	11.1 U	61.2
07/03/2018	0.947 U	40.5
08/27/2018	0.641 U	35.1
10/03/2018	-6.33 U	37.0
01/02/2019	5.88 U	24.8
04/09/2019	5.26 U	53.0
07/02/2019	-5.75 U	56.0
10/02/2019	5.92 U	63.3
01/06/2020	6.76 U	42.6
04/15/2020	5.68 U	83.6
07/08/2020	-2.27 U	77.8
10/08/2020	-7.13 U	31.6
01/07/2021	1.15 U	30.9
04/06/2021	6.71 U	85.2
07/06/2021	-2.56 U	14.3
10/07/2021	1.75 U	1.72
01/04/2022	3.43 U	1.11
04/05/2022	8.42 U	2.52
07/05/2022	5.63 U	1.4
10/05/2022	3.8 U	3.19

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

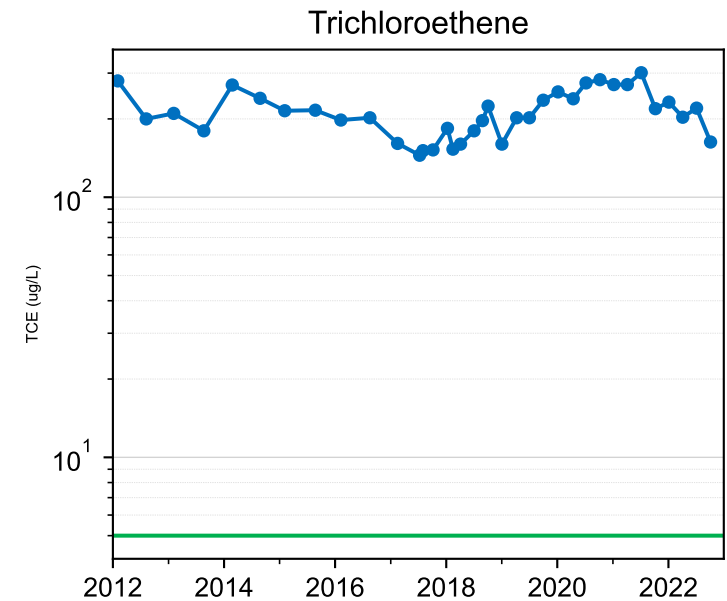
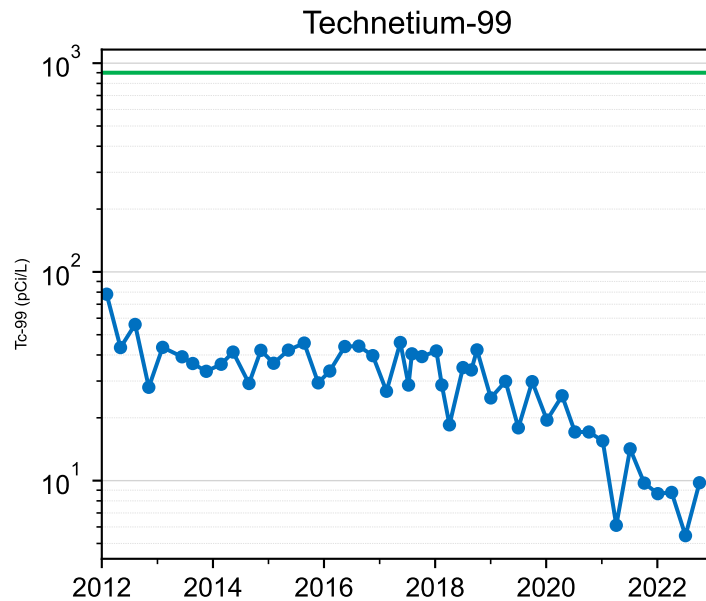
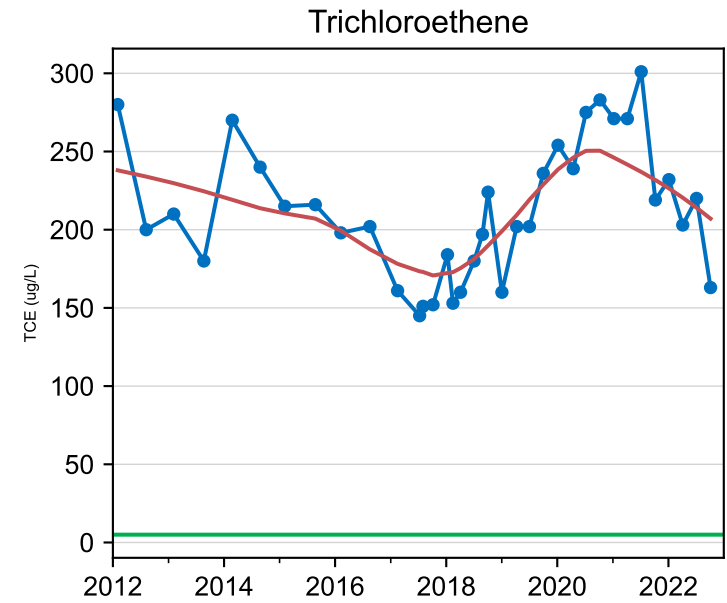
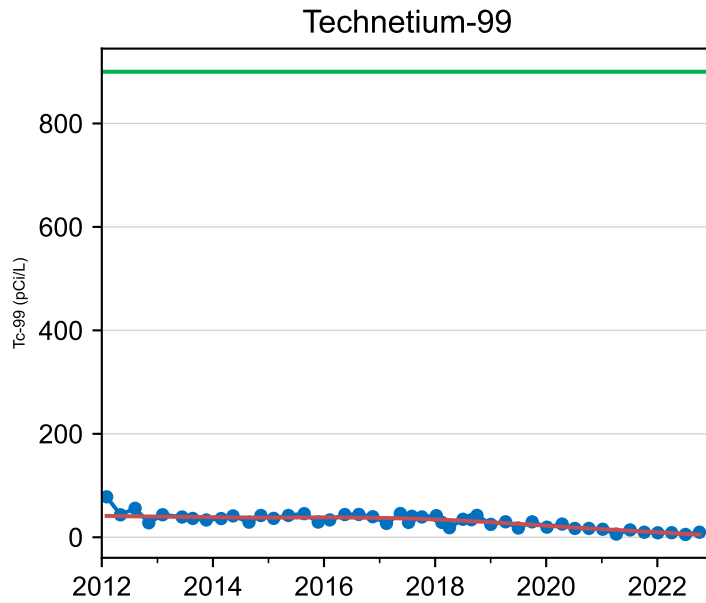
● Data
 — LOWESS
 — MCLs

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Figure 68. Tc-99 and TCE at MW291 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/02/2012	78.2	280.0
05/03/2012	43.4	
08/07/2012	56.0	200.0 J
11/05/2012	28.0	
02/04/2013	43.5	210.0
06/12/2013	39.2	
08/21/2013	36.4	180.0
11/18/2013	33.4	
02/24/2014	36.1	270.0
05/13/2014	41.3	
08/26/2014	29.2	240.0
11/12/2014	42.1	
02/04/2015	36.5	215.0
05/12/2015	42.2	
08/24/2015	45.6	216.0
11/24/2015	29.4	
02/08/2016	33.5	198.0
05/17/2016	43.9	
08/17/2016	44.1	202.0
11/17/2016	39.7	
02/15/2017	26.8	161.0
05/17/2017	45.9	
07/10/2017	28.7	145.0
08/01/2017	40.5	151.0
10/06/2017	39.3	152.0
01/09/2018	41.8	184.0
02/14/2018	28.7	153.0
04/05/2018	18.5	160.0
07/03/2018	34.8	180.0
08/27/2018	33.9	197.0
10/03/2018	42.3	224.0
01/02/2019	24.9	160.0
04/09/2019	29.9	202.0
07/02/2019	17.9	202.0
10/01/2019	29.8	236.0
01/06/2020	19.5	254.0
04/15/2020	25.5	239.0
07/08/2020	17.1	275.0
10/08/2020	17.1	283.0
01/07/2021	15.5	271.0
04/06/2021	6.11 U	271.0
07/06/2021	14.2	301.0
10/07/2021	9.73	219.0
01/04/2022	8.66	232.0
04/05/2022	8.78 U	203.0
07/05/2022	5.45 U	220.0
10/05/2022	9.77	163.0



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

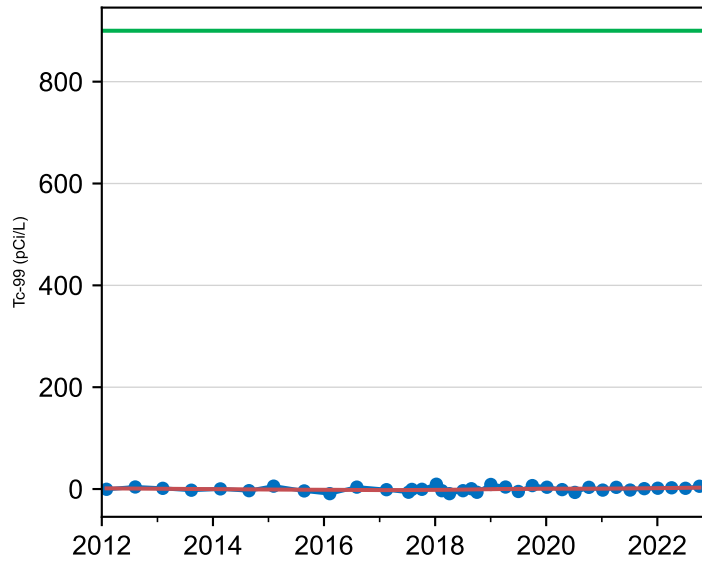
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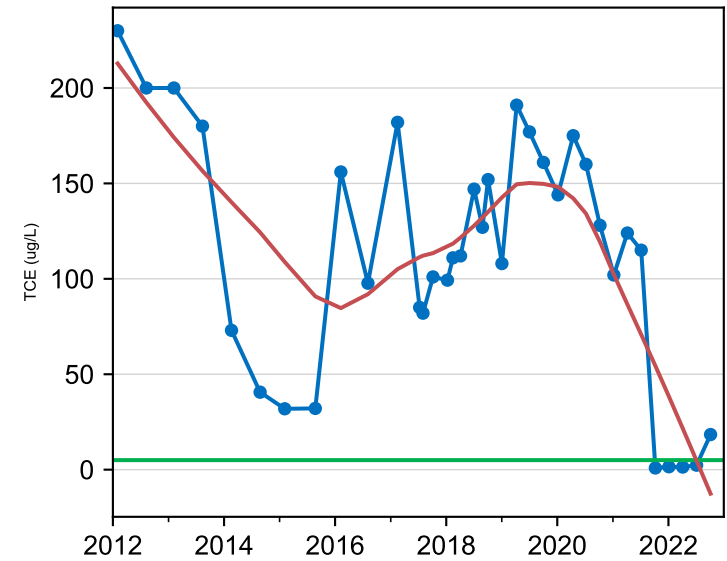
Figure 69. Tc-99 and TCE at MW292 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/01/2012	-0.483 U	230.0
08/08/2012	4.03 U	200.0 J
02/05/2013	1.39 U	200.0
08/12/2013	-2.29 U	180.0
02/19/2014	0.276 U	73.0
08/26/2014	-3.21 U	40.6
02/04/2015	5.67 U	31.9
08/24/2015	-3.7 U	32.1
02/08/2016	-9.06 U	156.0
08/04/2016	3.76 U	97.7
02/15/2017	-1.27 U	182.0
07/10/2017	-6.25 U	85.0
08/01/2017	-0.716 U	82.0
10/06/2017	-0.519 U	101.0
01/09/2018	9.43 U	99.3
02/14/2018	-3.26 U	111.0
04/05/2018	-9.09 U	112.0
07/03/2018	-3.27 U	147.0
08/27/2018	0.606 U	127.0
10/03/2018	-6.35 U	152.0
01/02/2019	8.96 U	108.0
04/09/2019	3.92 U	191.0
07/02/2019	-4.77 U	177.0
10/02/2019	6.76 U	161.0
01/06/2020	3.54 U	144.0
04/15/2020	-1.14 U	175.0
07/08/2020	-6.61 U	160.0
10/08/2020	3.35 U	128.0
01/07/2021	-2.09 U	102.0
04/06/2021	3.37 U	124.0
07/06/2021	-2.01 U	115.0
10/07/2021	0.729 U	0.89 J
01/04/2022	1.59 U	1.52
04/05/2022	2.45 U	1.37
07/05/2022	1.46 U	2.35
10/05/2022	5.46 U	18.4

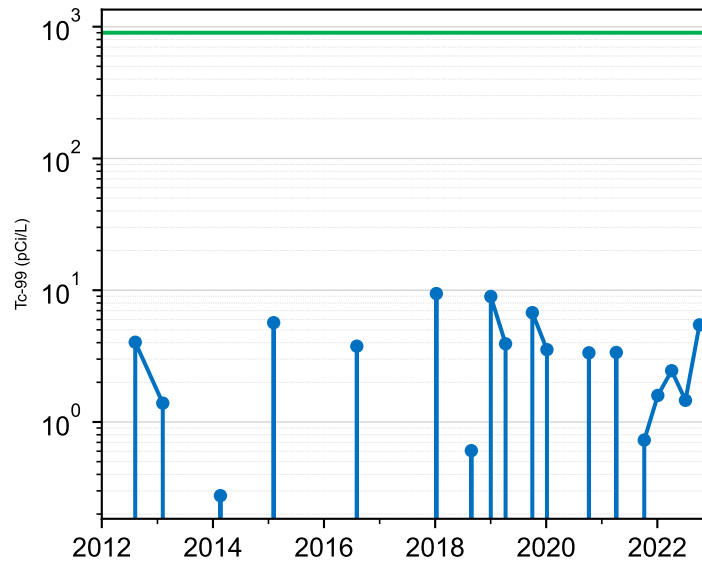
Technetium-99



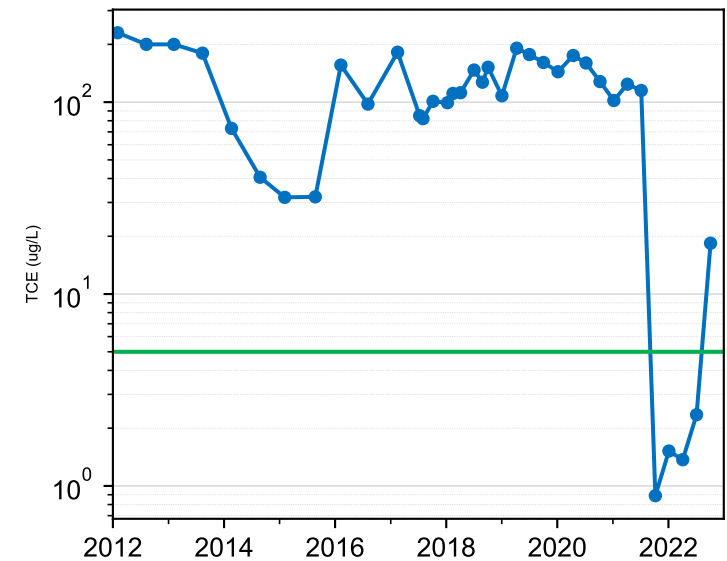
Trichloroethene



Technetium-99



Trichloroethene



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

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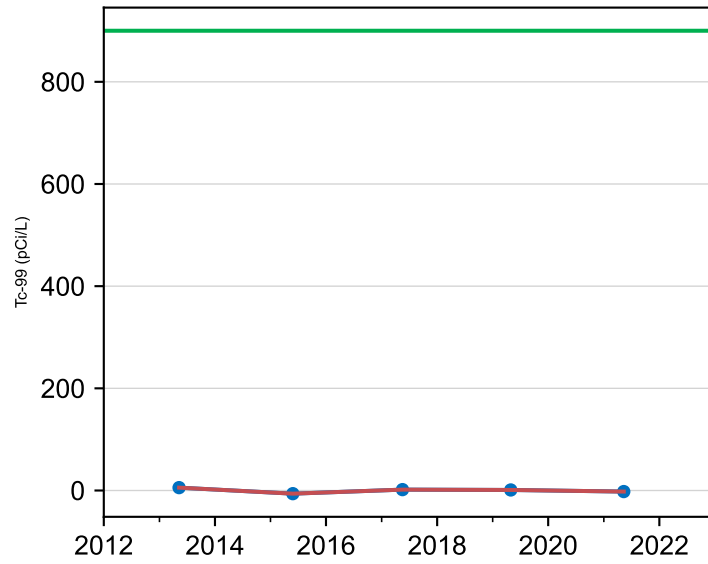
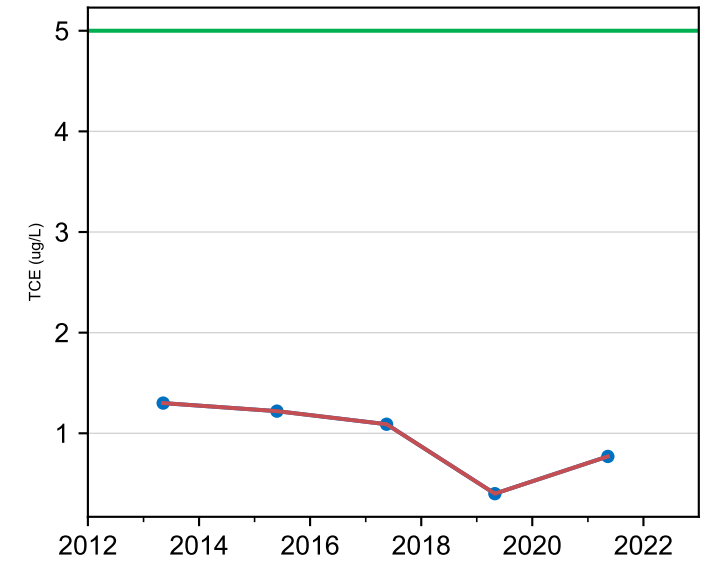


Figure 70. Tc-99 and TCE at MW293A (MRGA)

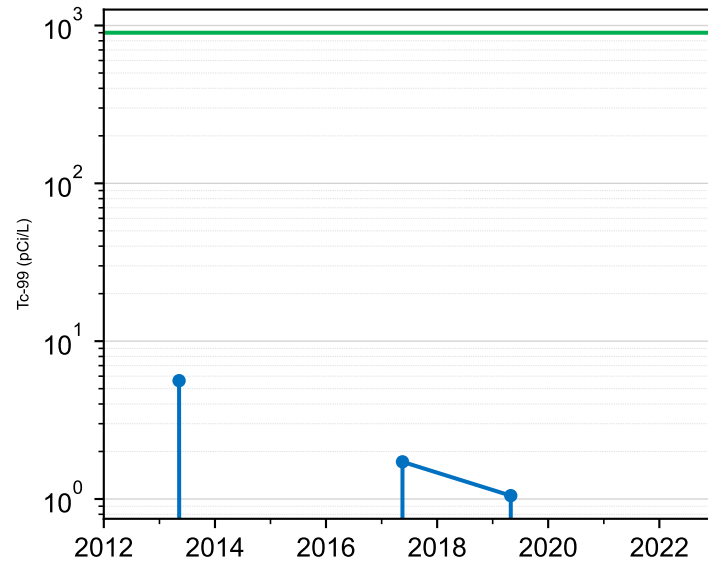
Technetium-99



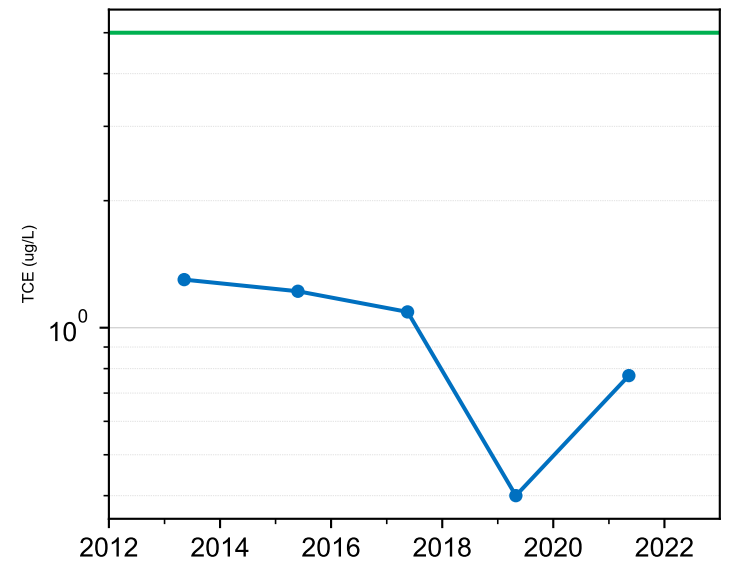
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/10/2013	5.62 U	1.3
05/28/2015	-6.2 U	1.22
05/18/2017	1.72 U	1.09
04/30/2019	1.05 U	0.4 J
05/12/2021	-2.1 U	0.77 J

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

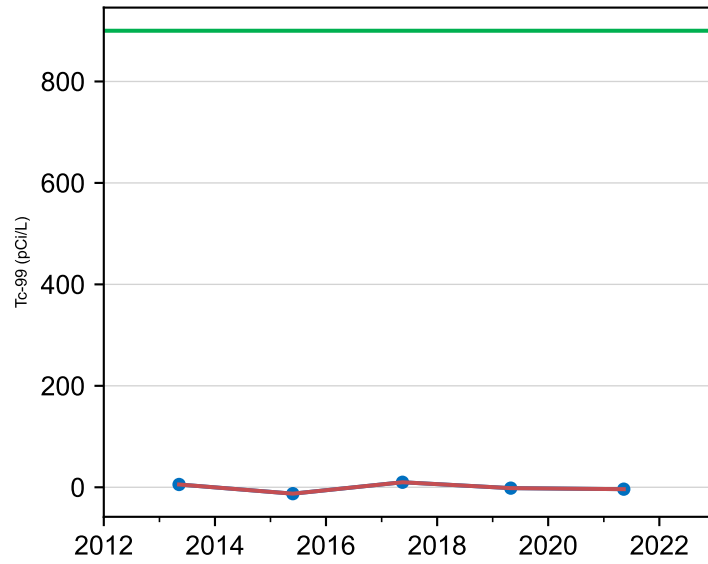
● Data
 — LOWESS
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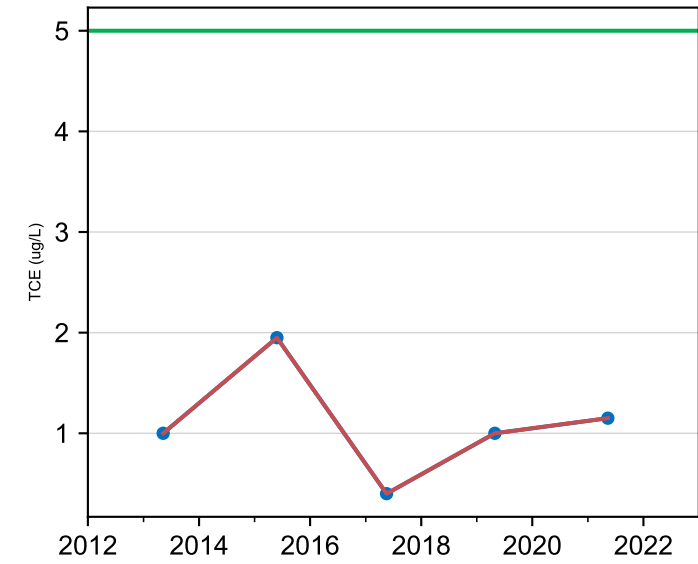
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Figure 71. Tc-99 and TCE at MW328 (MRGA)

Technetium-99

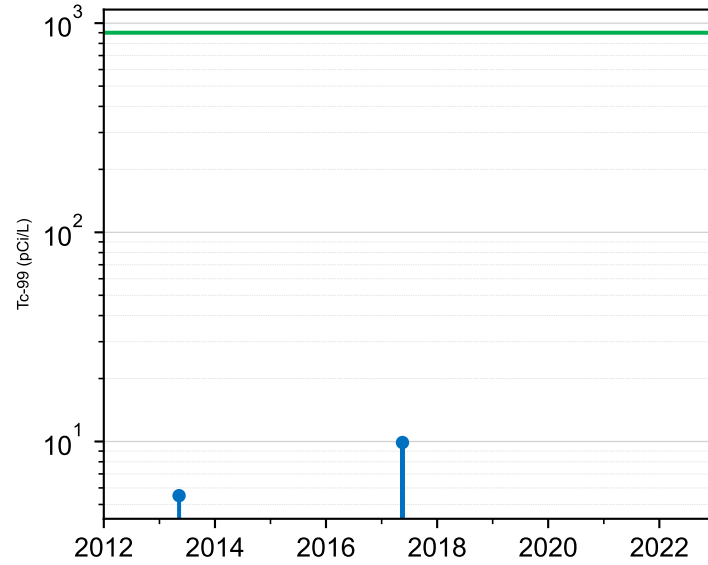


Trichloroethene

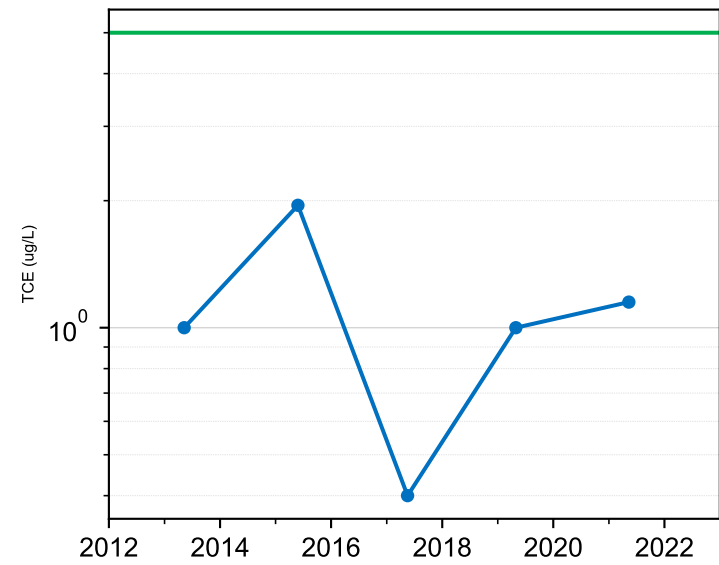


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/10/2013	5.51 U	1.0 U
05/28/2015	-12.6 U	1.95
05/18/2017	9.89 U	0.4 J
04/30/2019	-1.7 U	1.0 U
05/12/2021	-3.73 U	1.15

Technetium-99



Trichloroethene



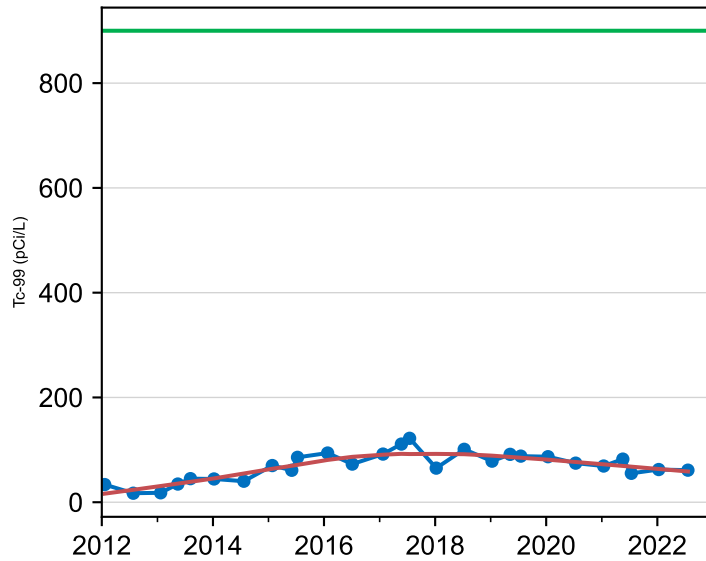
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

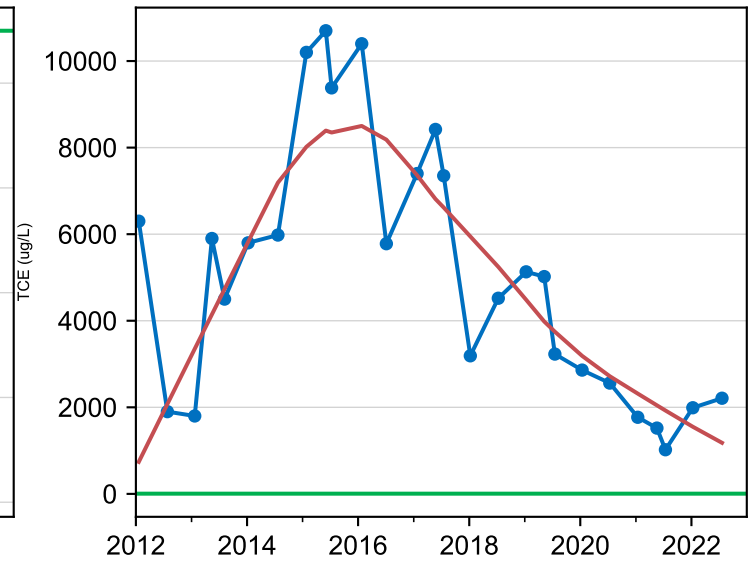
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Figure 72. Tc-99 and TCE at MW329 (URGA)

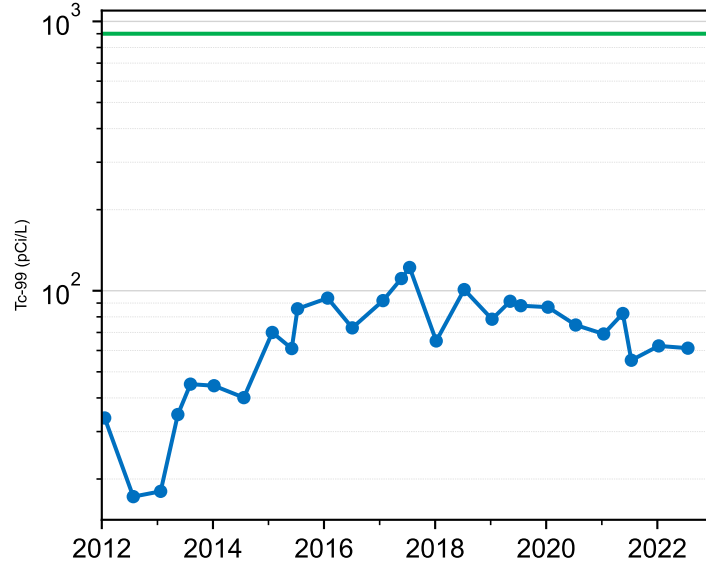
Technetium-99



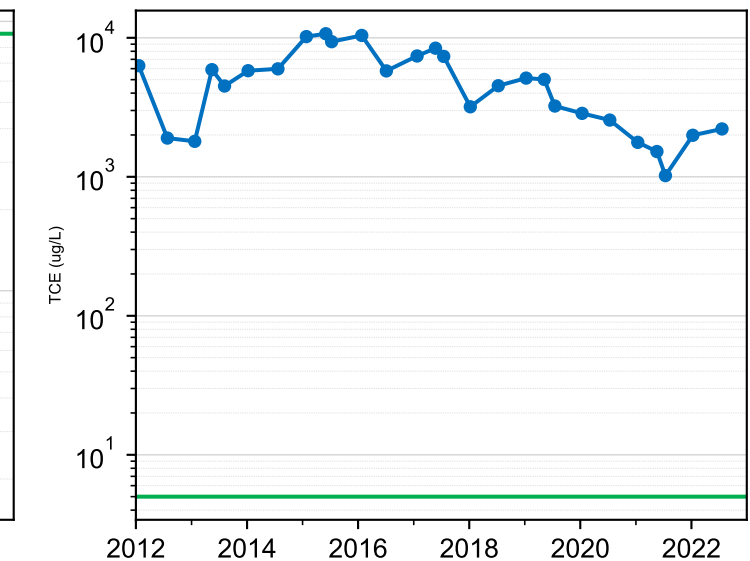
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/20/2012	33.7	6300.0
07/26/2012	17.2 U	1900.0
01/22/2013	18.0	1800.0
05/15/2013	34.7	5900.0
08/06/2013	45.0	4500.0
01/08/2014	44.4	5800.0
07/23/2014	40.1	5980.0
01/26/2015	70.0	10200.0
06/03/2015	61.0	10700.0
07/11/2015	85.7	9380.0
01/25/2016	93.9	10400.0
07/05/2016	72.8	5780.0
01/23/2017	91.9	7400.0
05/24/2017	111.0	8420.0
07/17/2017	122.0	7350.0
01/08/2018	65.1	3190.0
07/11/2018	101.0	4520.0
01/10/2019	78.4	5130.0
05/09/2019	91.4	5020.0
07/18/2019	88.0	3230.0
01/13/2020	86.9	2860.0
07/13/2020	74.6	2560.0
01/13/2021	69.1	1770.0
05/19/2021	82.3	1520.0
07/14/2021	55.2	1020.0
01/10/2022	62.4	1990.0
07/21/2022	61.2	2210.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

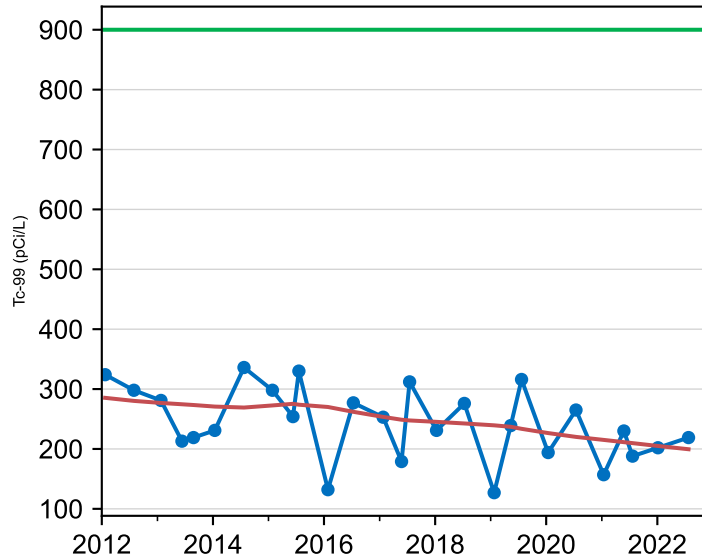
● Data
 — LOWESS
 — MCLs

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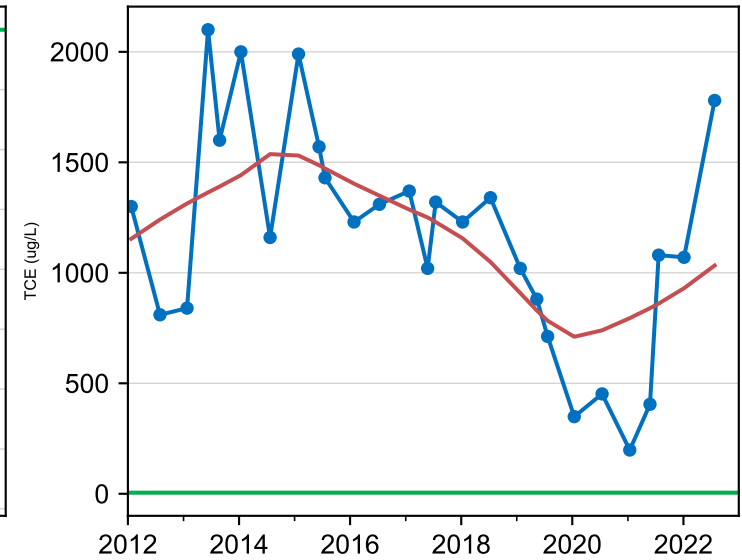
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Figure 73. Tc-99 and TCE at MW333 (MRGA)

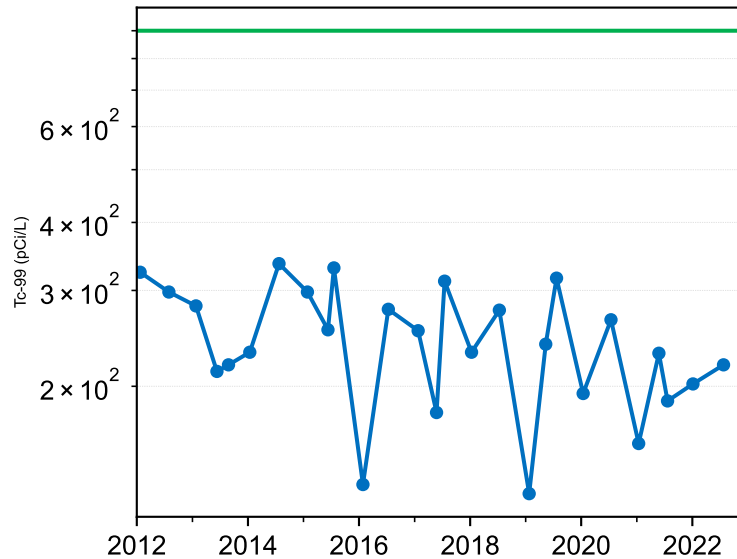
Technetium-99



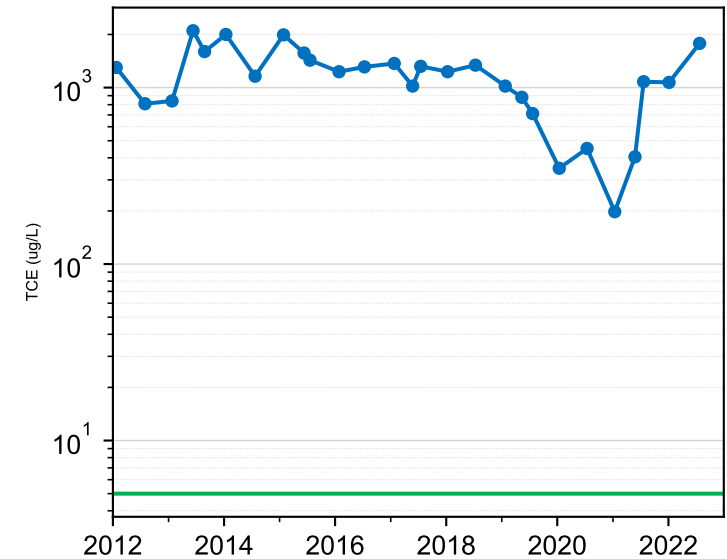
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/23/2012	324.0	1300.0
07/30/2012	298.0	810.0 J
01/24/2013	281.0	840.0
06/11/2013	213.0	2100.0
08/26/2013	219.0	1600.0
01/13/2014	231.0	2000.0
07/24/2014	336.0	1160.0
01/27/2015	298.0	1990.0
06/11/2015	254.0	1570.0
07/20/2015	330.0	1430.0
01/27/2016	132.0	1230.0
07/12/2016	277.0	1310.0
01/24/2017	253.0	1370.0
05/25/2017	179.0	1020.0
07/17/2017	312.0	1320.0
01/10/2018	231.0	1230.0
07/12/2018	276.0	1340.0
01/24/2019	127.0	1020.0
05/13/2019	239.0	881.0
07/23/2019	316.0	712.0
01/14/2020	194.0	349.0
07/15/2020	265.0	452.0
01/13/2021	157.0	198.0
05/26/2021	230.0	405.0 J
07/22/2021	188.0	1080.0 J
01/05/2022	202.0	1070.0
07/25/2022	219.0	1760.0

Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

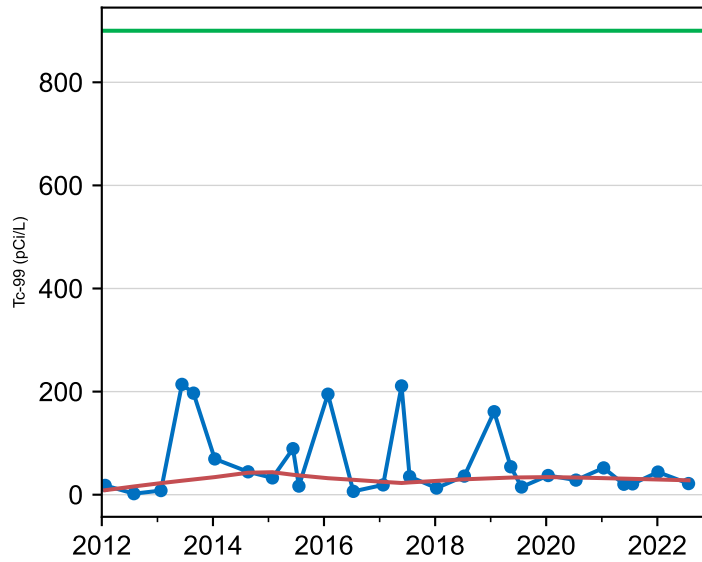
● Data
 — LOWESS
 — MCLs

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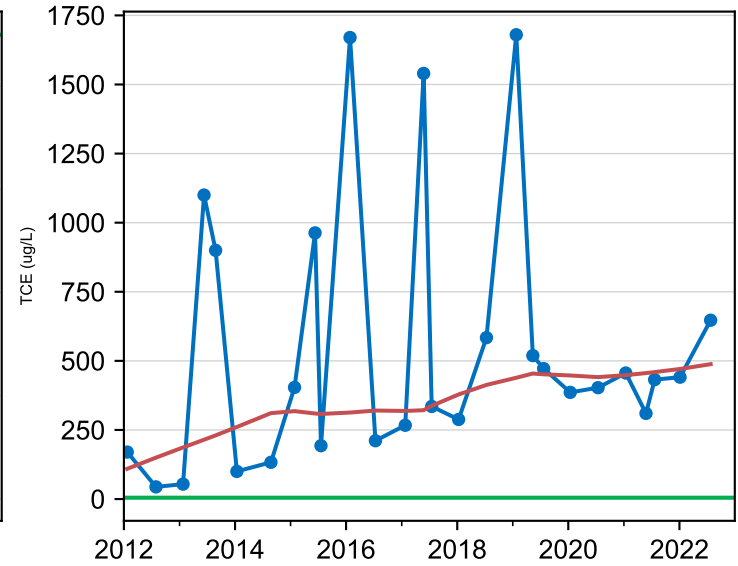
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Figure 74. Tc-99 and TCE at MW337 (MRGA)

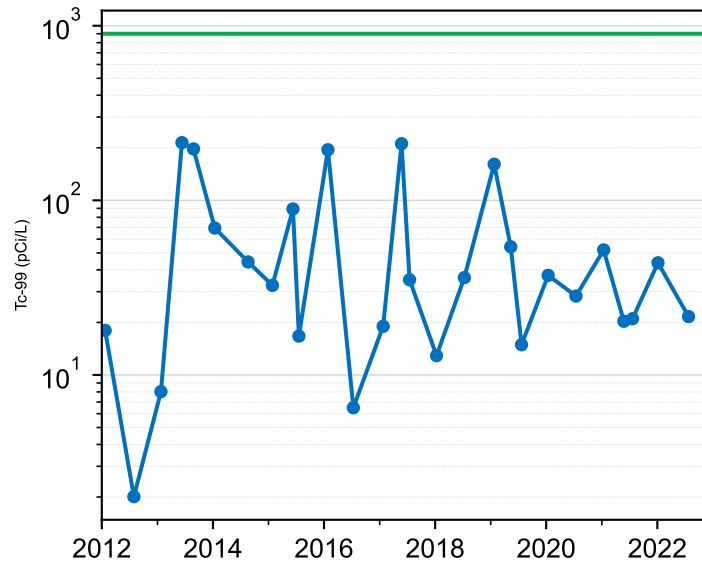
Technetium-99



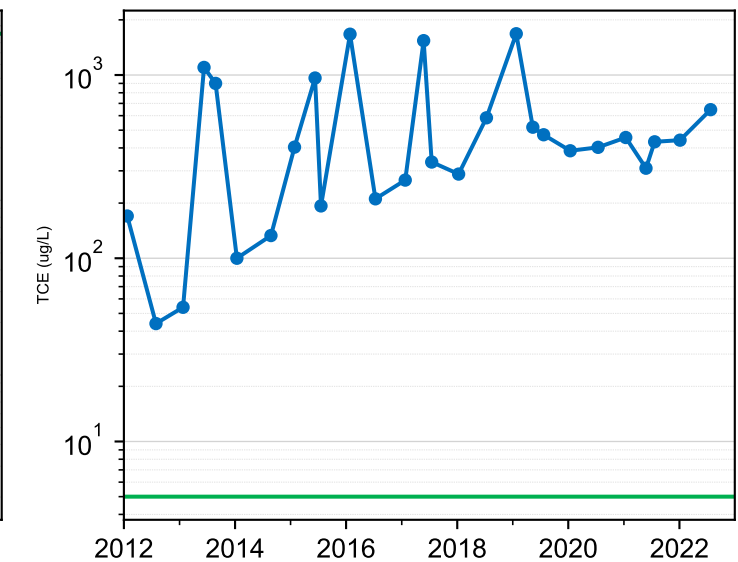
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/23/2012	18.0	170.0
07/30/2012	2.01 U	44.0 J
01/24/2013	8.03 U	54.0
06/11/2013	214.0	1100.0
08/26/2013	197.0	900.0
01/13/2014	69.4	100.0
08/20/2014	44.4	
08/25/2014		133.0
01/27/2015	32.6	404.0
06/11/2015	89.3	963.0
07/20/2015	16.7 U	193.0
01/27/2016	195.0	1670.0
07/12/2016	6.49 U	211.0
01/24/2017	19.0	267.0
05/25/2017	211.0	1540.0
07/17/2017	35.1	335.0
01/10/2018	12.9 U	288.0
07/12/2018	36.1	584.0
01/24/2019	161.0	1680.0
05/13/2019	54.2	519.0
07/23/2019	14.9 U	472.0
01/14/2020	37.2	386.0
07/15/2020	28.3	403.0
01/13/2021	52.0	456.0
05/26/2021	20.3 U	310.0 J
07/22/2021	21.0	432.0 J
01/05/2022	43.9	441.0
07/25/2022	21.6	647.0

Notes:
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

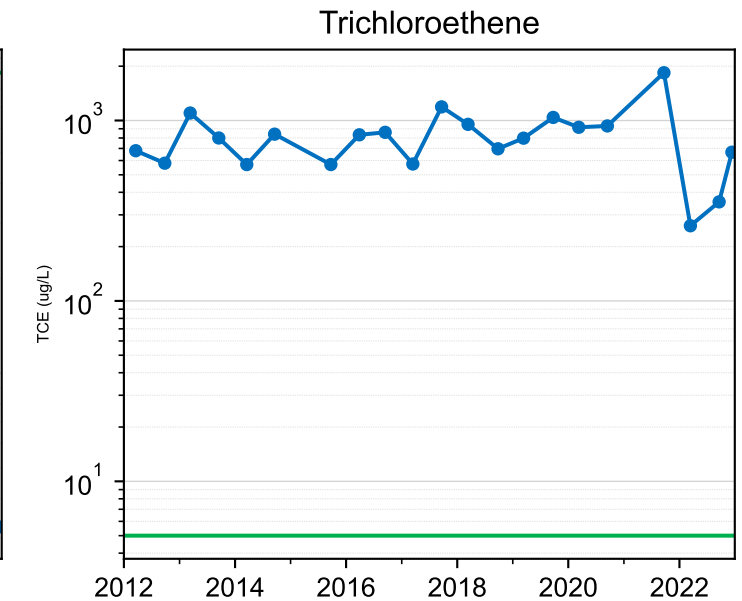
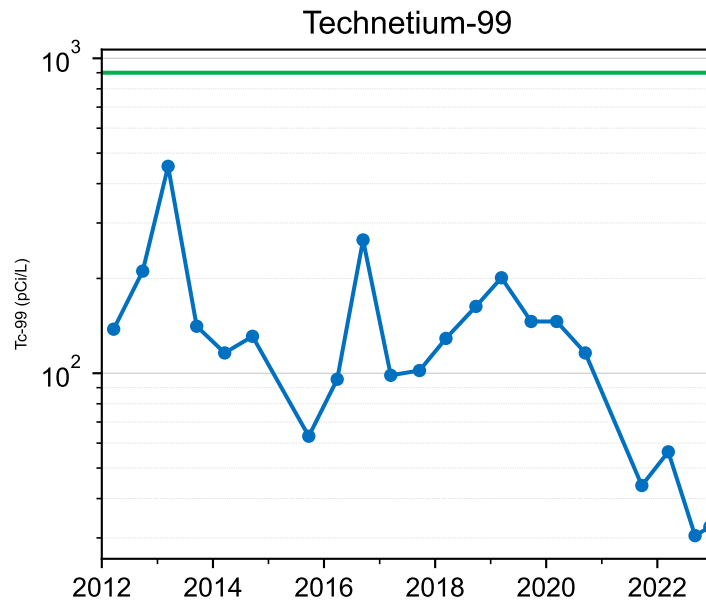
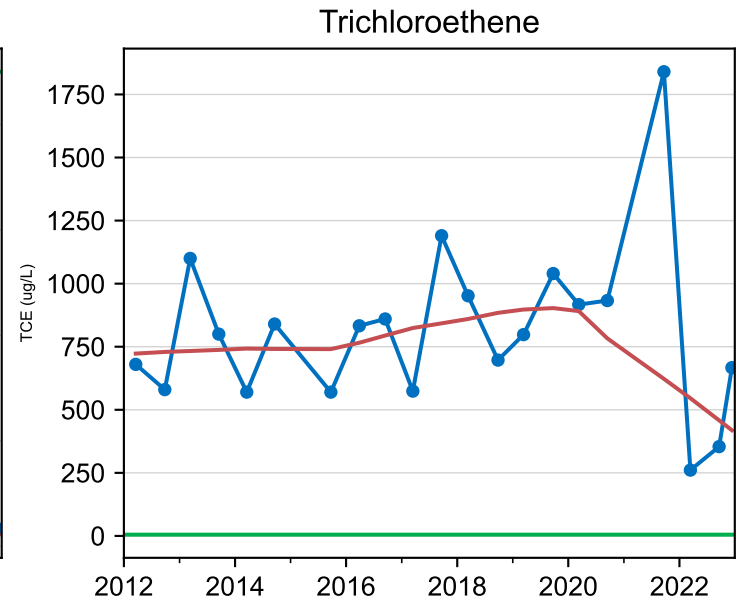
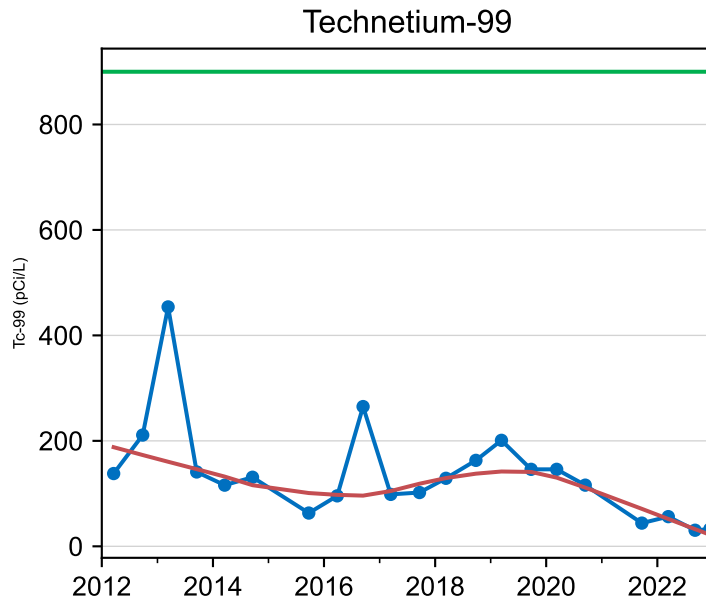
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Figure 75. Tc-99 and TCE at MW338 (MRGA)

Source: Trend_Plots_V1.ipynb

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/19/2012	138.0	680.0 J
09/26/2012	211.0	580.0
03/12/2013	454.0	1100.0
09/16/2013	141.0	800.0
03/19/2014	116.0	570.0
09/18/2014	131.0	840.0
09/23/2015	63.1	570.0
03/28/2016	95.7	833.0
09/14/2016	265.0	860.0
03/15/2017	98.5	574.0
09/20/2017	102.0	1190.0
03/13/2018	129.0	952.0
09/26/2018	163.0	697.0
03/13/2019	201.0	798.0
09/24/2019	146.0	1040.0
03/10/2020	146.0	917.0
09/14/2020	116.0	933.0
09/21/2021	44.0	1840.0
03/14/2022	56.3	261.0
09/06/2022	30.5	
09/19/2022		354.0
12/12/2022	32.5	667.0



- Notes:
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 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

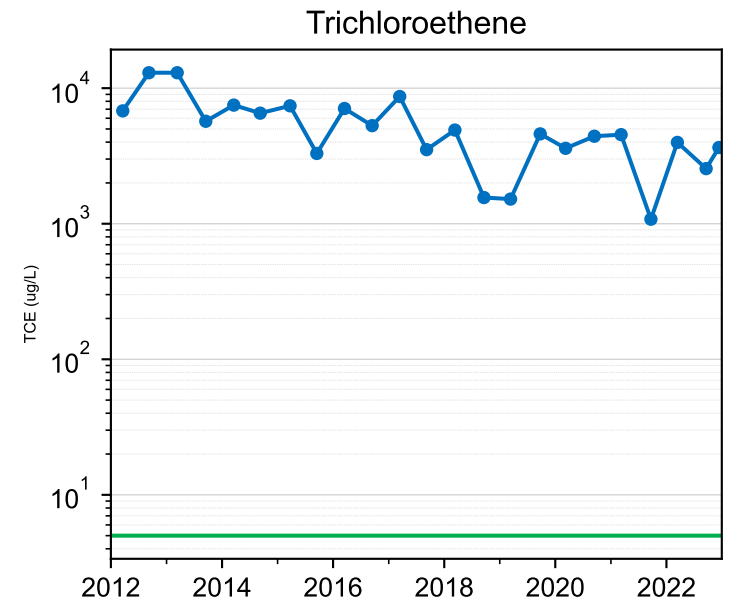
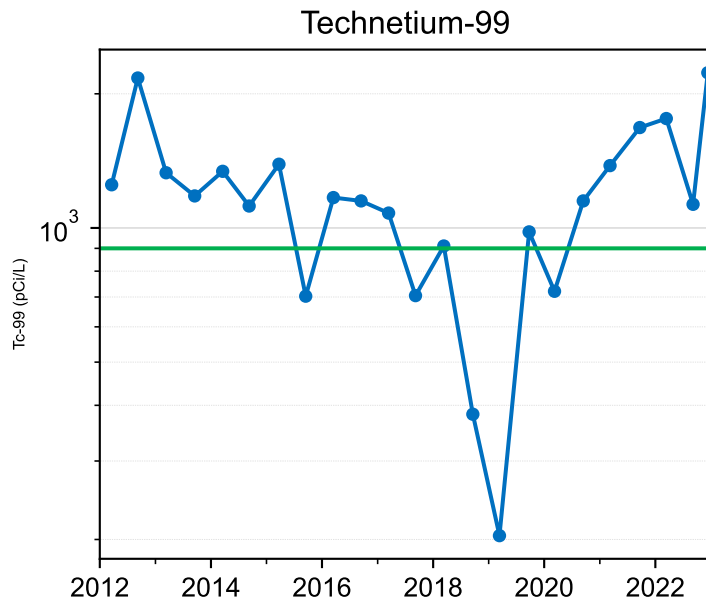
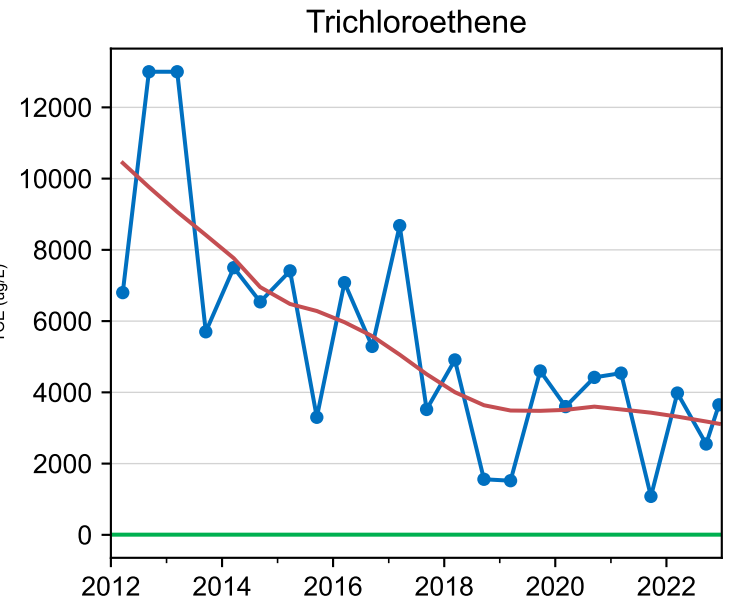
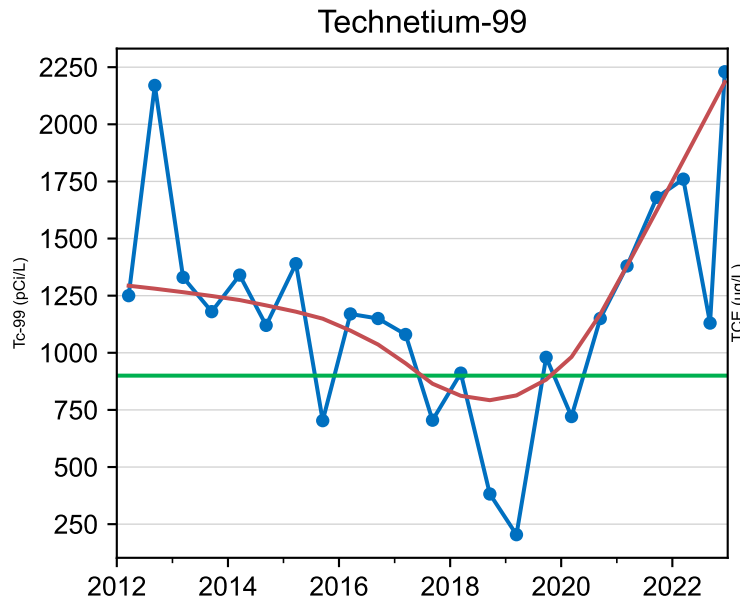
● Data
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Figure 76. Tc-99 and TCE at MW339 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/19/2012	1250.0	6800.0
09/07/2012	2170.0	13000.0 J
03/12/2013	1330.0	13000.0
09/16/2013	1180.0	5700.0
03/19/2014	1340.0	7500.0
09/09/2014	1120.0	6540.0
03/24/2015	1390.0	7410.0
09/16/2015	703.0	3300.0
03/16/2016	1170.0	7080.0
09/14/2016	1150.0	5290.0
03/14/2017	1080.0	8680.0
09/07/2017	705.0	3520.0
03/12/2018	911.0	4910.0
09/19/2018	382.0	1560.0
03/13/2019	204.0	1520.0
09/24/2019	980.0	4600.0
03/09/2020	721.0	3600.0
09/14/2020	1150.0	4420.0
03/09/2021	1380.0	4540.0
09/21/2021	1680.0	1080.0
03/14/2022	1760.0	3980.0
09/06/2022	1130.0	
09/19/2022		2550.0
12/12/2022	2230.0	3650.0



- Notes:
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 3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

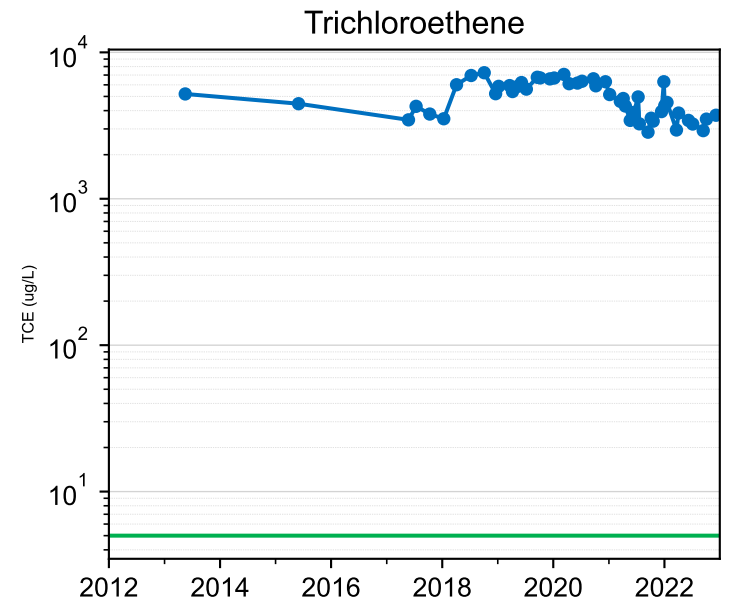
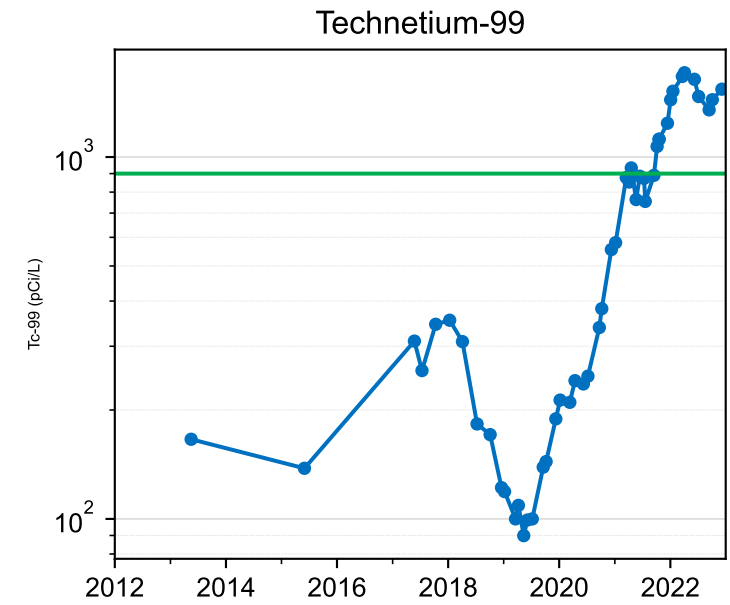
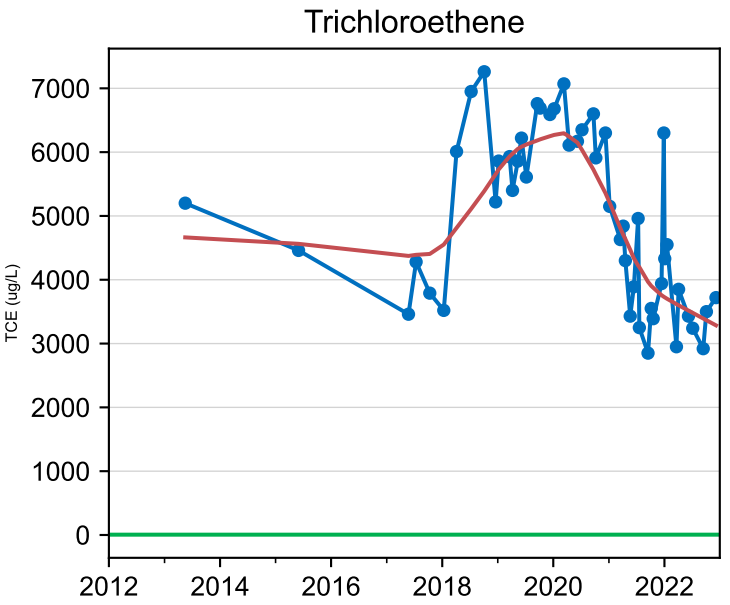
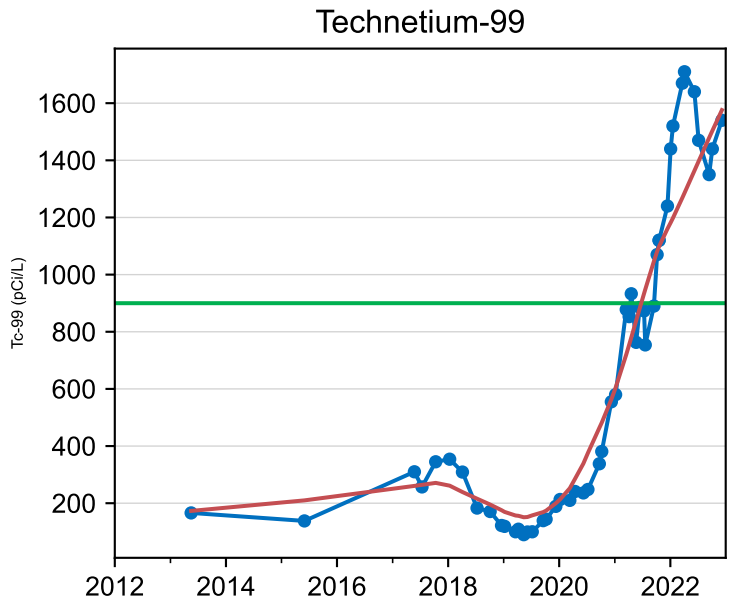
● Data
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Figure 77. Tc-99 and TCE at MW340 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/17/2013	166.0	5200.0
06/01/2015	138.0	4460.0
05/24/2017	310.0	3460.0
07/13/2017	257.0	4280.0
10/11/2017	345.0	3790.0
01/11/2018	354.0	3520.0
04/05/2018	309.0	6010.0
07/10/2018	183.0	6950.0
10/04/2018	171.0	7260.0
12/18/2018	122.0	5220.0
01/07/2019	119.0	5860.0
03/20/2019	100.0	5930.0
04/08/2019	109.0	5400.0
05/13/2019	89.9	5860.0
06/06/2019	99.3	6220.0
07/08/2019	100.0	5610.0
09/18/2019	139.0	6760.0
10/07/2019	144.0	6690.0
12/10/2019	189.0	6590.0
01/07/2020	213.0	6680.0
03/11/2020	210.0	7070.0
04/14/2020	241.0	6110.0
06/08/2020	236.0	6170.0
07/08/2020	248.0	6350.0
09/21/2020	338.0	6600.0
10/07/2020	381.0	5910.0
12/09/2020	555.0	6300.0
01/08/2021	580.0	5150.0
03/17/2021	878.0	4630.0
04/05/2021	853.0	4840.0
04/19/2021	933.0	4300.0
05/21/2021	763.0	3430.0
06/14/2021	885.0	3890.0
07/12/2021	873.0	4960.0 J
07/20/2021	754.0	3250.0
09/15/2021	890.0	2850.0
10/06/2021	1070.0	3550.0
10/19/2021	1120.0	3390.0
12/13/2021	1240.0	3940.0
12/28/2021	6300.0	
01/03/2022	1440.0	4330.0
01/18/2022	1520.0	4550.0
03/21/2022	1670.0	2950.0
04/04/2022	1710.0	3850.0
06/08/2022	1640.0	3430.0
07/06/2022	1470.0	3240.0
09/13/2022	1350.0	2920.0
10/04/2022	1440.0	3500.0
12/06/2022	1540.0	3720.0



Notes:

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4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

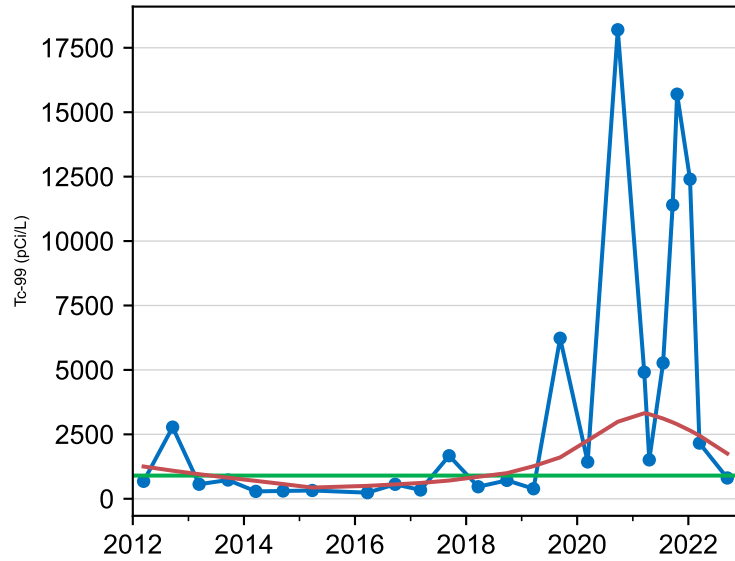
● Data — LOWESS
— MCLs

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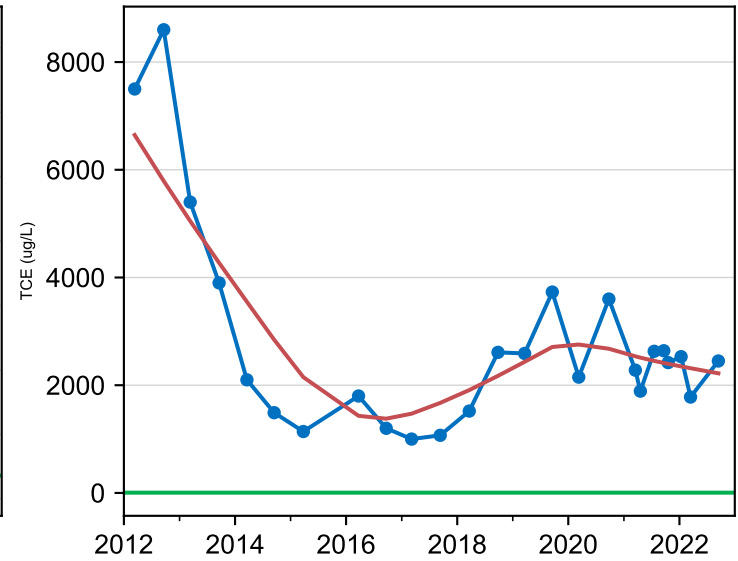
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Figure 78. Tc-99 and TCE at MW341 (MRGA)

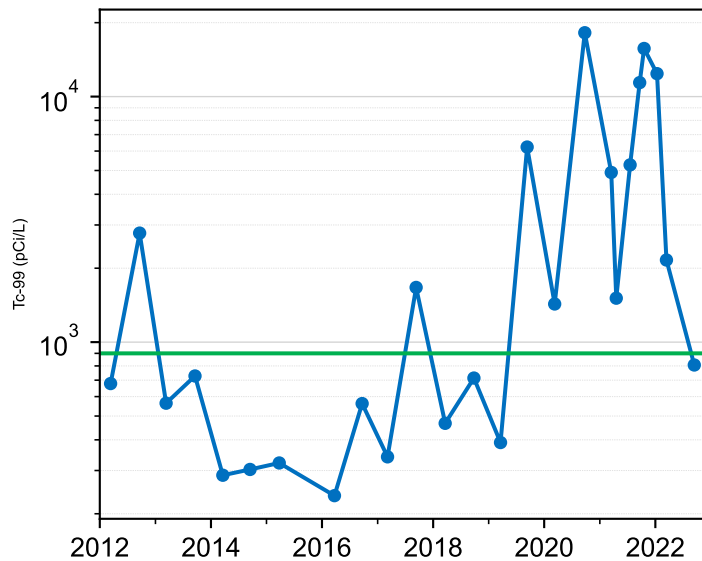
Technetium-99



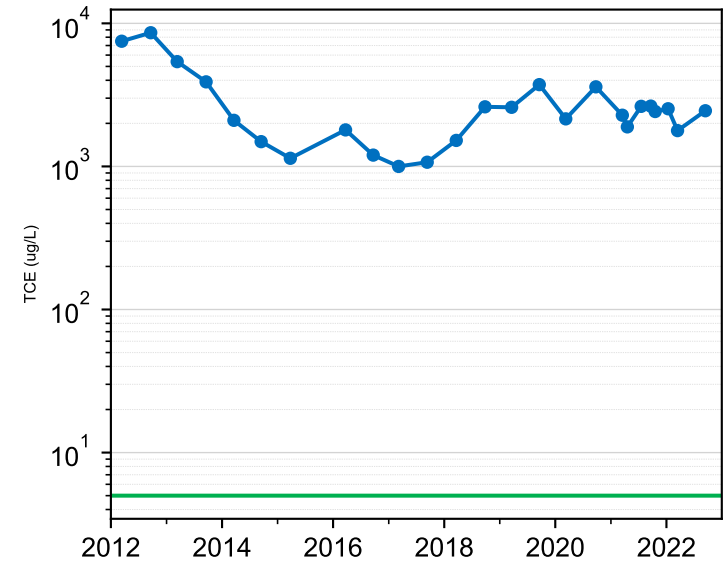
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/12/2012	678.0	7500.0
09/19/2012	2780.0	8600.0
03/12/2013	564.0	5400.0
09/18/2013	728.0	3900.0
03/20/2014	287.0	2100.0
09/15/2014	303.0	1490.0
03/26/2015	322.0	1140.0
03/23/2016	237.0	1800.0
09/21/2016	562.0	1200.0
03/07/2017	341.0	1000.0
09/11/2017	1670.0	1070.0
03/21/2018	467.0	1520.0
09/26/2018	714.0	2610.0
03/20/2019	390.0	2590.0
09/11/2019	6230.0	
09/18/2019		3730.0
03/10/2020	1430.0	2150.0
09/24/2020	18200.0	3600.0
03/17/2021	4910.0	2280.0
04/19/2021	1510.0	1890.0
07/19/2021	5270.0	2630.0
09/20/2021	11400.0	2640.0
10/19/2021	15700.0	2420.0
01/12/2022	12400.0	2530.0
03/15/2022	2160.0	1780.0
09/14/2022	807.0	2450.0

Notes:
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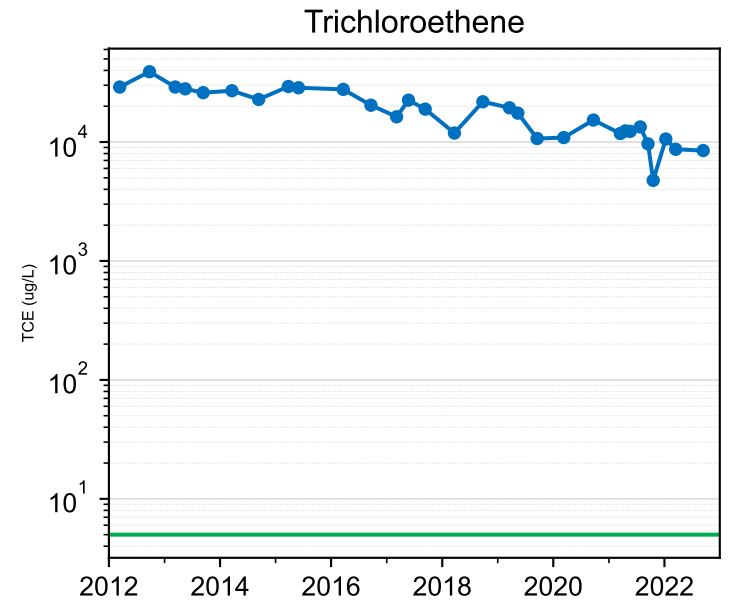
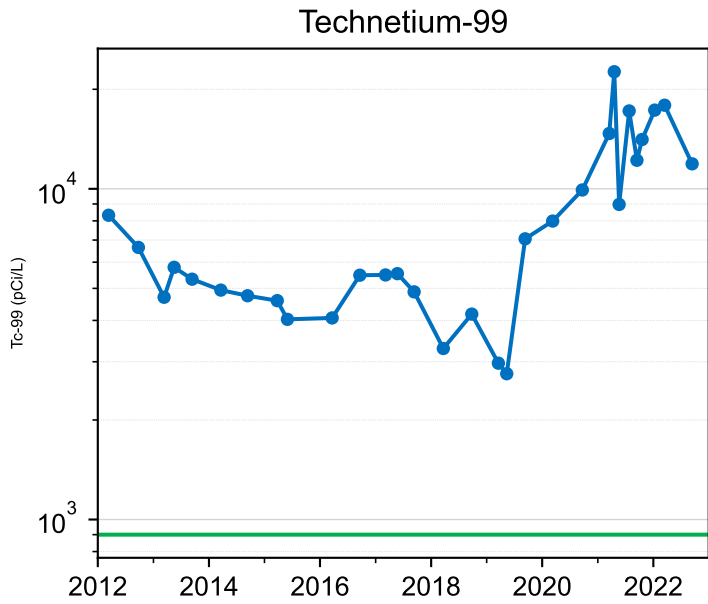
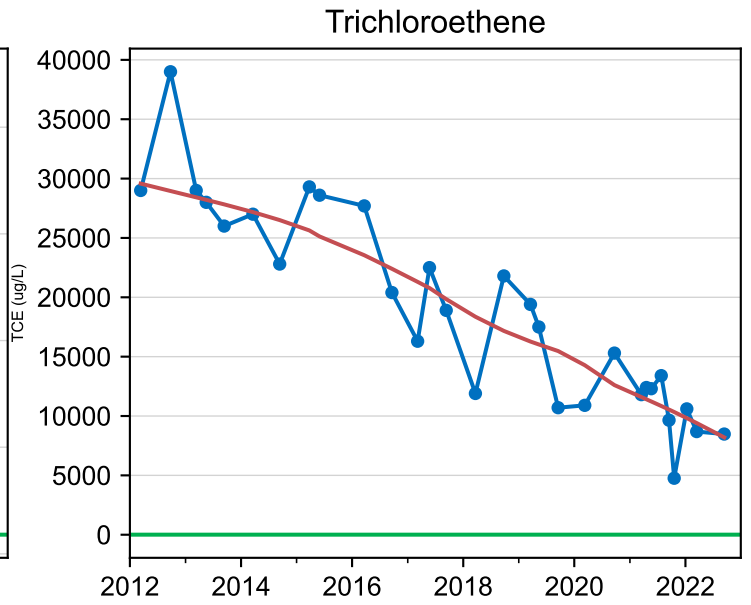
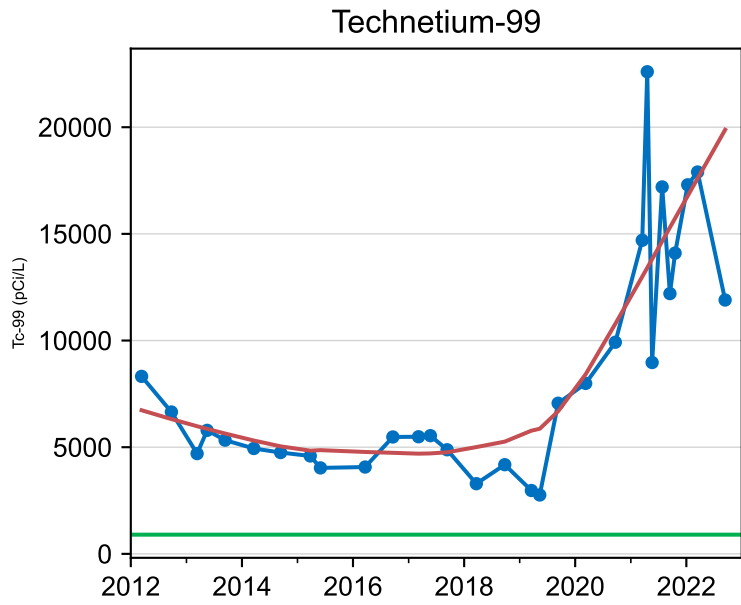
● Data
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Figure 79. Tc-99 and TCE at MW342 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/12/2012	8320.0	29000.0
09/24/2012	6650.0	39000.0
03/12/2013	4700.0	29000.0
05/17/2013	5790.0	28000.0
09/12/2013	5330.0	26000.0
03/20/2014	4940.0	27000.0
09/12/2014	4750.0	22800.0
03/26/2015	4590.0	29300.0
06/01/2015	4030.0	28600.0
03/21/2016	4070.0	27700.0
09/19/2016	5480.0	20400.0
03/07/2017	5490.0	16300.0
05/24/2017	5540.0	22500.0
09/11/2017	4880.0	18900.0
03/22/2018	3290.0	11900.0
09/25/2018	4180.0	21800.0
03/19/2019	2970.0	19400.0
05/13/2019	2760.0	17500.0
09/11/2019	7060.0	
09/17/2019		10700.0
03/10/2020	7990.0	10900.0
09/21/2020	9920.0	15300.0
03/17/2021	14700.0	11800.0
04/19/2021	22600.0	12400.0
05/21/2021	8970.0	12300.0 J
07/26/2021	17200.0	13400.0
09/15/2021	12200.0	9650.0
10/19/2021	14100.0	4760.0
01/10/2022	17300.0	10600.0
03/16/2022	17900.0	8690.0
09/13/2022	11900.0	8480.0



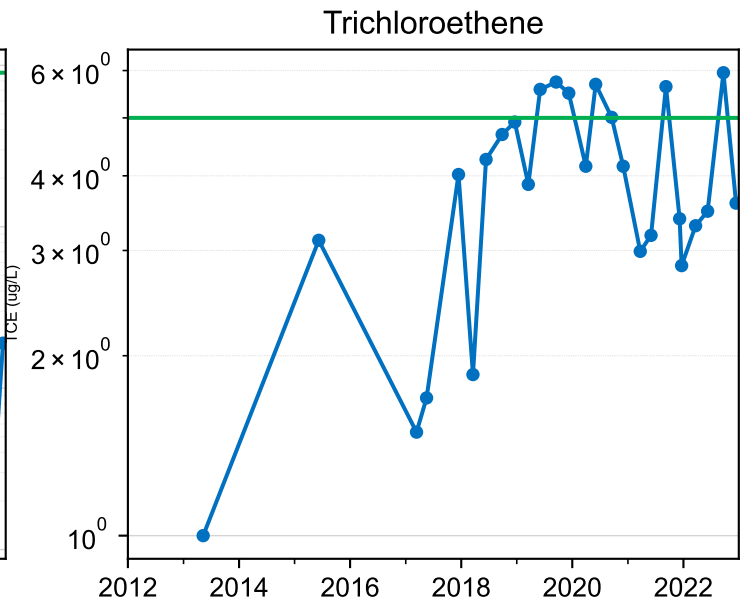
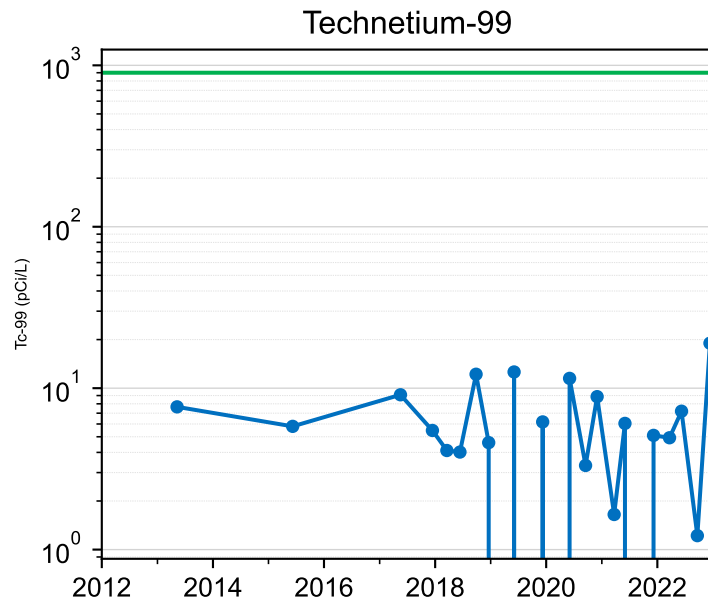
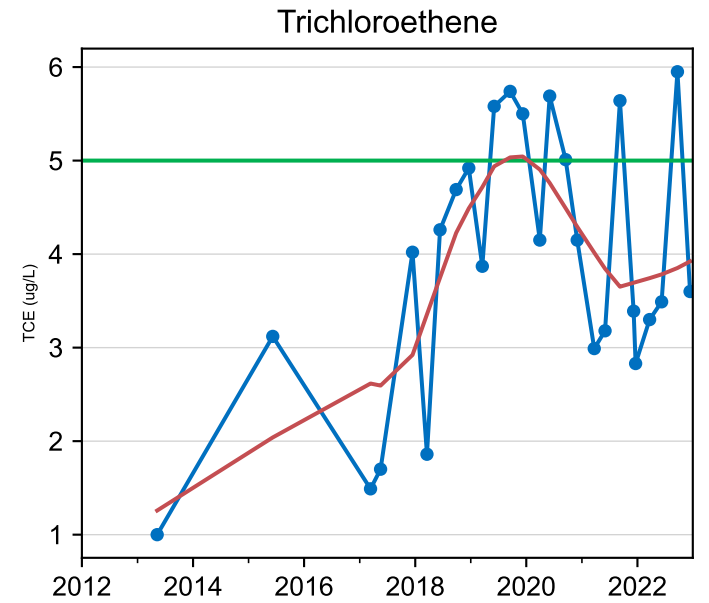
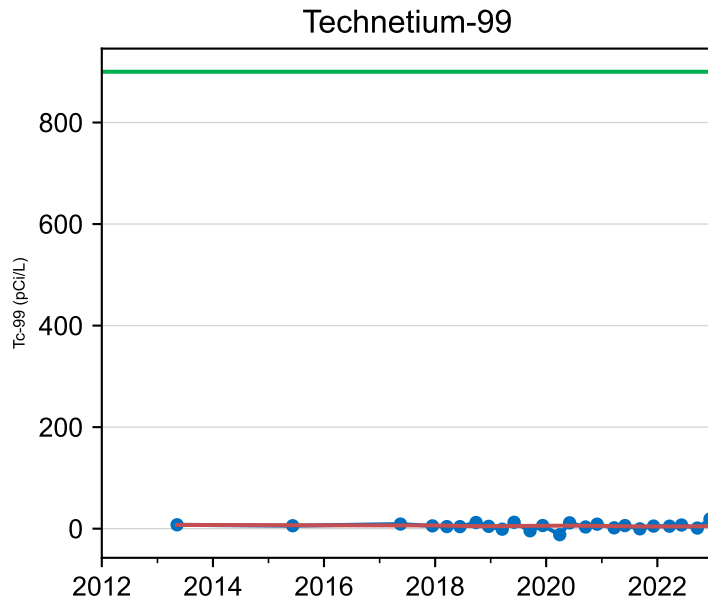
- Notes:
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 2. J = Concentration is estimated.
 3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
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● Data
— LOWESS
— MCLs

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Figure 80. Tc-99 and TCE at MW343 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/10/2013	7.66 U	1.0 U
06/09/2015	5.8 U	3.12
03/13/2017		1.49
05/18/2017	9.1 U	1.7
12/14/2017	5.47 U	4.02
03/19/2018	4.11 U	1.86
06/13/2018	4.02 U	4.26
09/27/2018	12.2 U	4.69
12/19/2018	4.6 U	4.92
03/18/2019	-0.985 U	3.87
06/04/2019	12.6 U	5.58
09/17/2019	-4.13 U	5.74
12/09/2019	6.18 U	5.5
03/30/2020	-11.8 U	4.15
06/03/2020	11.5 U	5.69
09/16/2020	3.32 U	5.01
12/01/2020	8.86 U	4.15
03/23/2021	1.65 U	2.99
06/02/2021	6.05 U	3.18
09/08/2021	-0.297 U	5.64
12/07/2021	5.1 U	3.39
12/20/2021		2.83
03/22/2022	4.93 U	3.3
06/09/2022	7.2 U	3.49
09/21/2022	1.22 U	5.95
12/13/2022	19.0 U	3.6



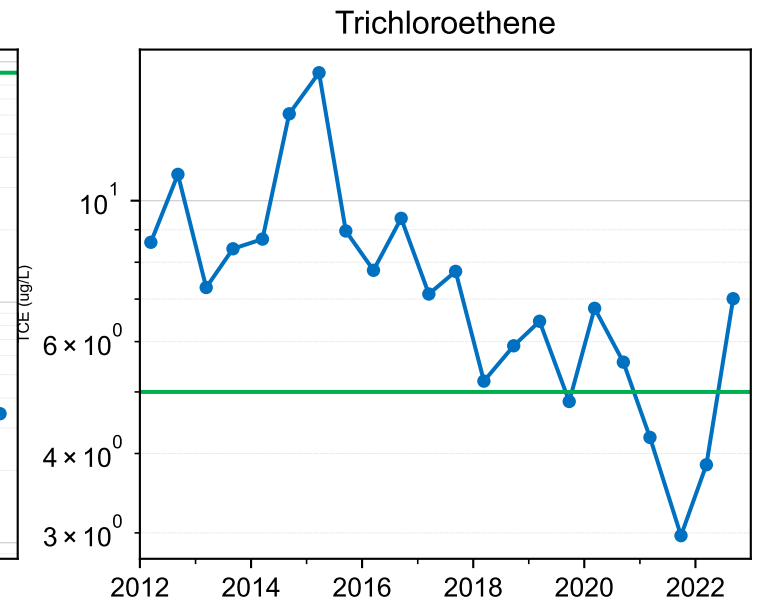
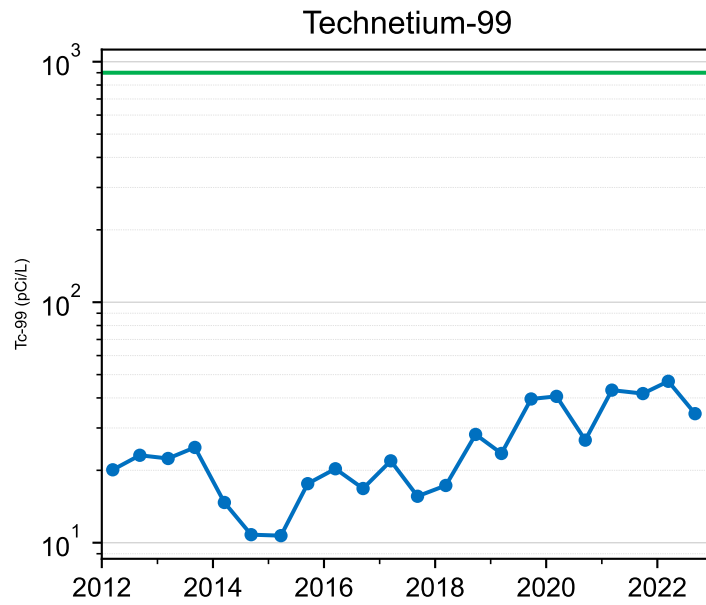
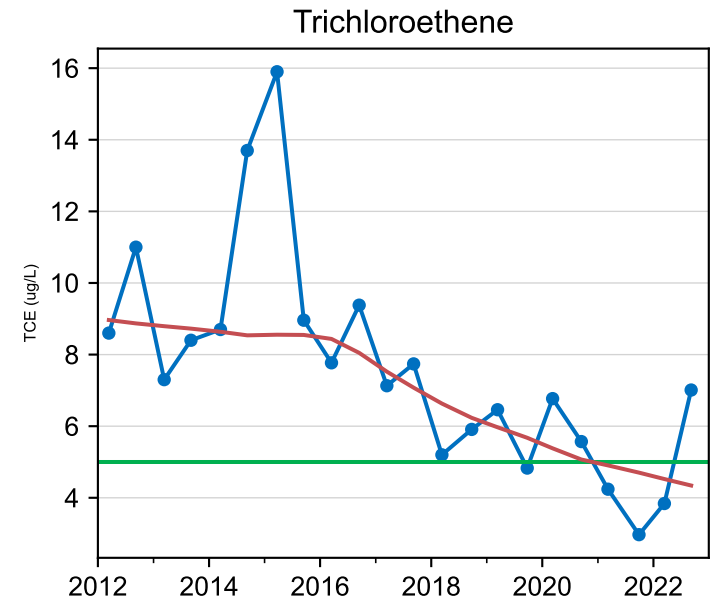
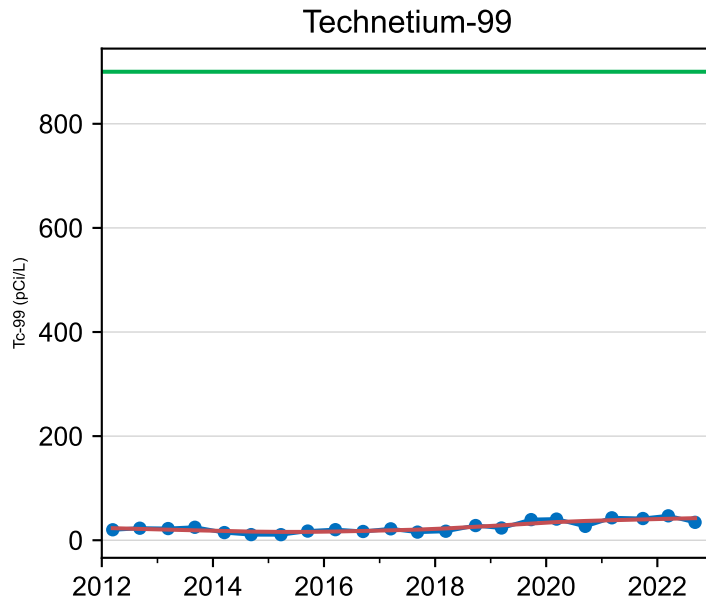
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 81. Tc-99 and TCE at MW354 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2012	20.1	8.6 J
09/07/2012	23.1	11.0 J
03/12/2013	22.4	7.3
09/04/2013	24.9	8.4
03/17/2014	14.7 U	8.7
09/09/2014	10.8 U	13.7
03/24/2015	10.7 U	15.9
09/16/2015	17.6 U	8.96
03/16/2016	20.3	7.77
09/14/2016	16.8 U	9.38
03/15/2017	21.9	7.13
09/07/2017	15.6 U	7.74
03/12/2018	17.3	5.2
09/24/2018	28.2	5.91
03/13/2019	23.5	6.46
09/24/2019	39.6	4.83
03/09/2020	40.6	6.77
09/14/2020	26.7	5.57
03/08/2021	43.1	4.24
09/28/2021	41.7	2.97
03/14/2022	46.9	3.84
09/06/2022	34.4	7.01



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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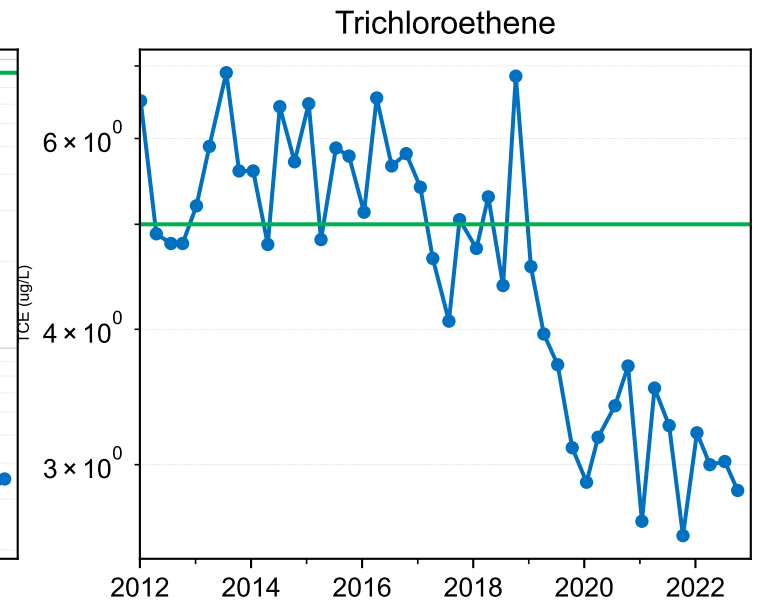
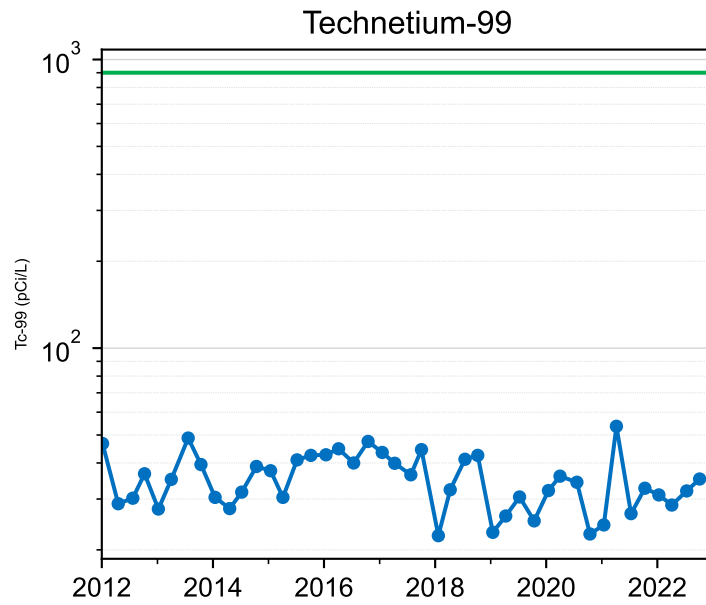
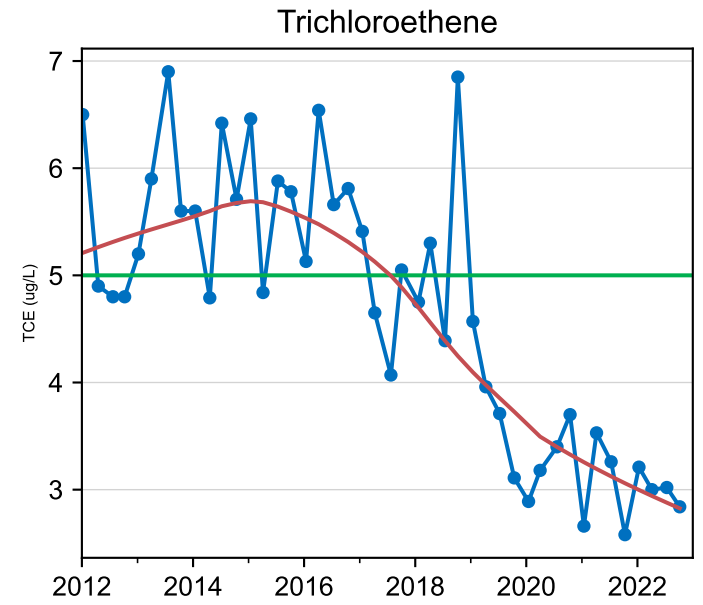
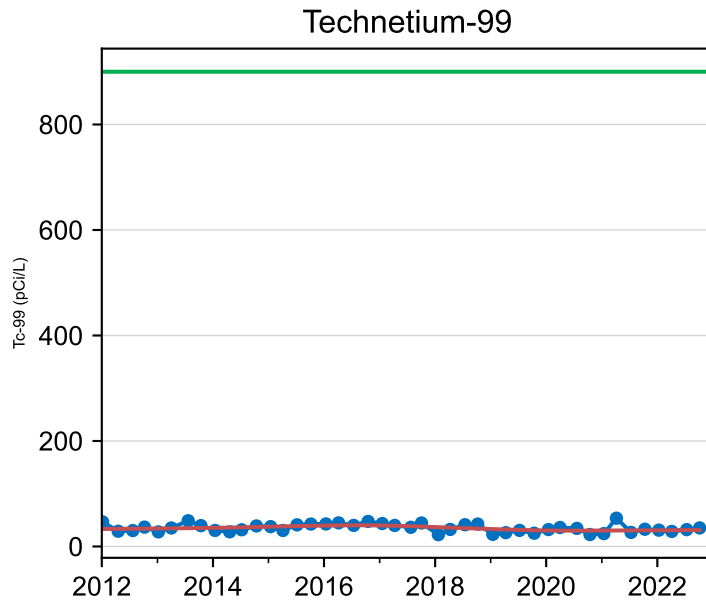


Figure 82. Tc-99 and TCE at MW355 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/06/2012	46.7	6.5
04/18/2012	28.9	4.9 J
07/23/2012	30.2	4.8
10/08/2012	36.7	4.8
01/07/2013	27.7	5.2
04/02/2013	35.1	5.9
07/22/2013	48.8	6.9
10/14/2013	39.5	5.6
01/15/2014	30.4	5.6
04/21/2014	27.8	4.79
07/09/2014	31.7	6.42
10/14/2014	38.9	5.71
01/15/2015	37.6	6.46
04/06/2015	30.4	4.84
07/08/2015	41.0	
07/13/2015		5.88
10/07/2015	42.5	5.78
01/14/2016	42.7	5.13
04/06/2016	44.8	6.54
07/14/2016	40.0	5.66
10/17/2016	47.5	5.81
01/18/2017	43.5	5.41
04/10/2017	39.9	4.65
07/25/2017	36.4	4.07
10/03/2017	44.5	5.05
01/22/2018	22.4	4.75
04/10/2018	32.3	5.3
07/16/2018	41.2	4.39
10/08/2018	42.5	6.85
01/15/2019	23.0	4.57
04/10/2019	26.2	3.96
07/10/2019	30.5	3.71
10/14/2019	25.2	3.11
01/16/2020	32.1	2.89
04/01/2020	36.0	3.18
07/21/2020	34.3	3.4
10/15/2020	22.7	3.7
01/14/2021	24.4	2.66
04/07/2021	53.6	3.53
07/12/2021	26.7	3.26 J
10/11/2021	32.7	2.58
01/11/2022	31.0	3.21
04/06/2022	28.6	3.0
07/13/2022	32.0	3.02
10/06/2022	35.2	2.84



- Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

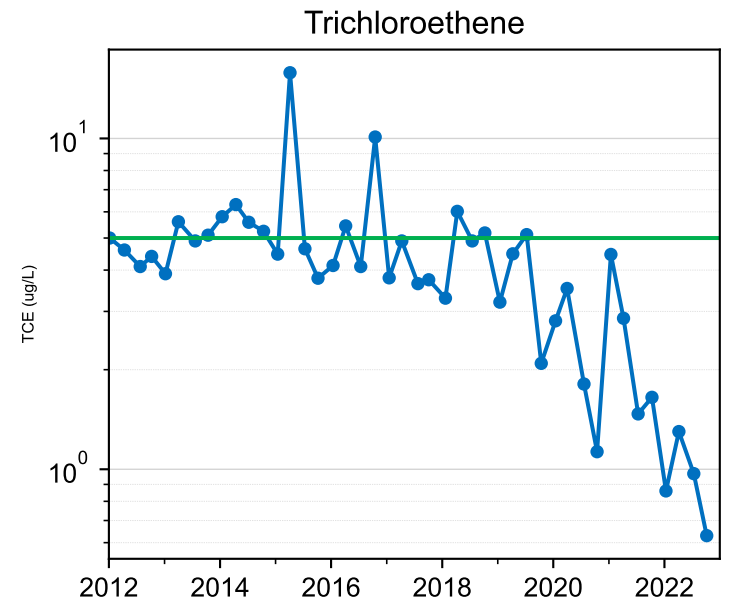
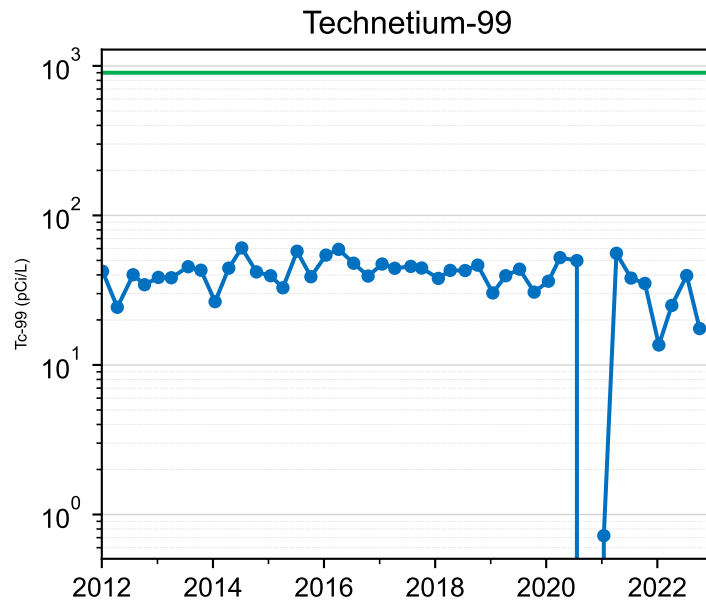
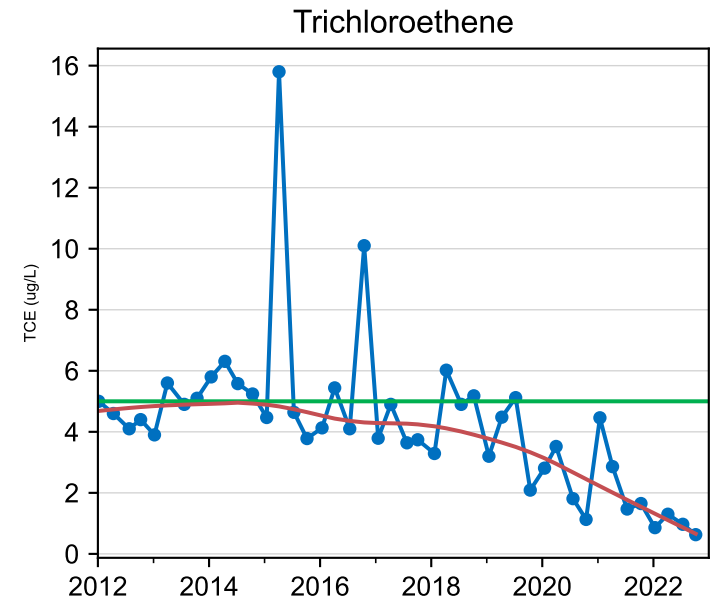
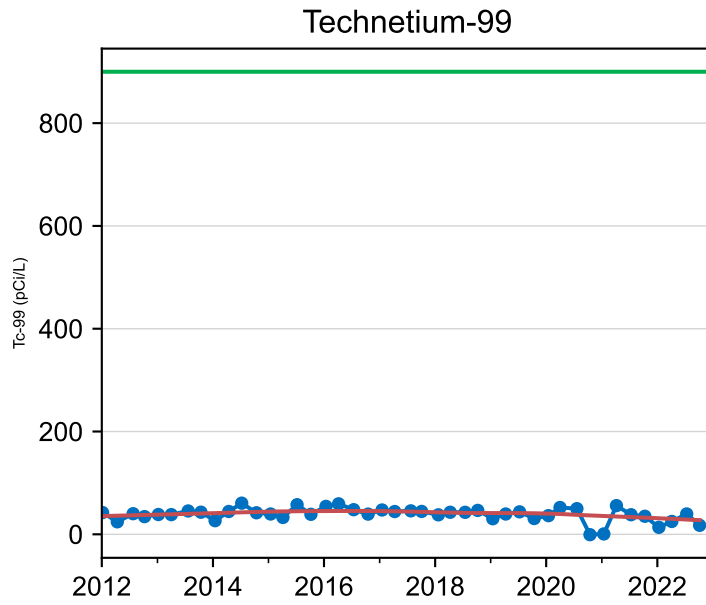
● Data
— LOWESS
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Figure 83. Tc-99 and TCE at MW357 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/06/2012	42.3	5.0
04/12/2012	24.3	4.6 J
07/25/2012	40.1 J	4.1
10/08/2012	34.4	4.4
01/07/2013	38.5	3.9
04/02/2013	38.3	5.6
07/22/2013	45.4	4.9
10/14/2013	43.0	5.1
01/15/2014	26.5	5.8
04/15/2014	44.4	6.31
07/09/2014	60.6	5.58
10/14/2014	41.9	5.24
01/15/2015	39.5	4.47
04/06/2015	32.8	15.8
07/08/2015	57.6	
07/13/2015		4.64
10/07/2015	38.9	3.78
01/14/2016	54.3	4.13
04/06/2016	59.3	5.44
07/14/2016	47.9	4.1
10/17/2016	39.3	10.1
01/17/2017	47.3	3.79
04/10/2017	44.3	4.9
07/25/2017	45.6	3.64
10/04/2017	44.5	3.74
01/22/2018	37.9	3.29
04/10/2018	42.9	6.02
07/17/2018	42.8	4.9
10/08/2018	46.5	5.18
01/15/2019	30.3	3.2
04/10/2019	39.5	4.48
07/10/2019	43.7	5.12
10/14/2019	30.7	2.09
01/16/2020	36.3	2.81
04/01/2020	52.2	3.52
07/21/2020	49.9	1.81
10/15/2020	-0.703 U	1.13
01/14/2021	0.722 U	4.46
04/07/2021	55.8	2.86
07/12/2021	38.1	1.47
10/11/2021	35.1	1.65
01/11/2022	13.6 U	0.86 J
04/06/2022	25.0	1.3
07/13/2022	39.6 J	0.97 J
10/06/2022	17.5	0.63 J



Notes:

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4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

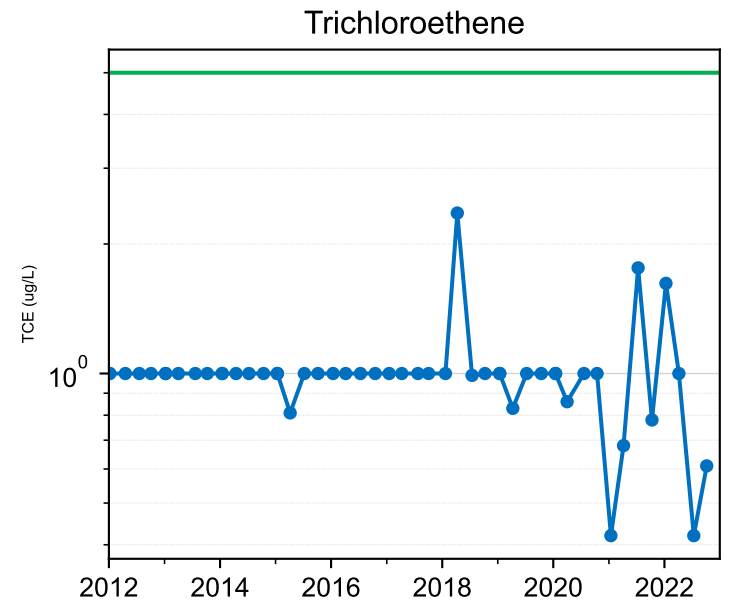
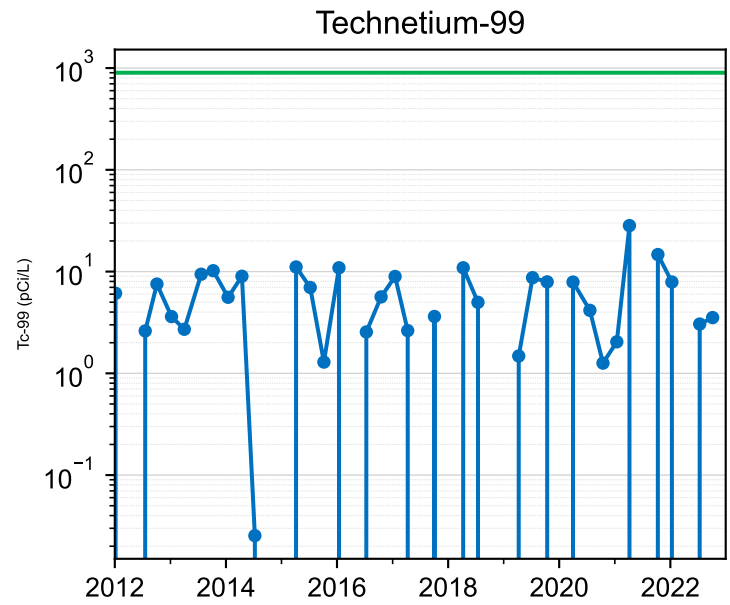
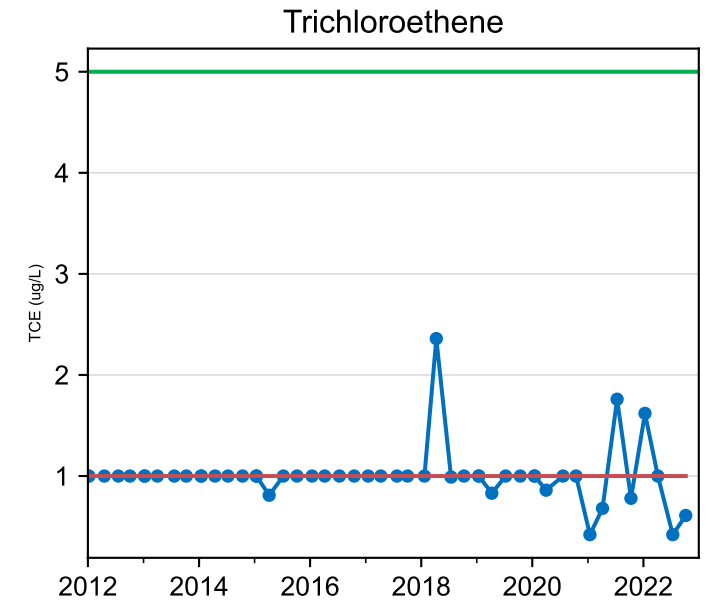
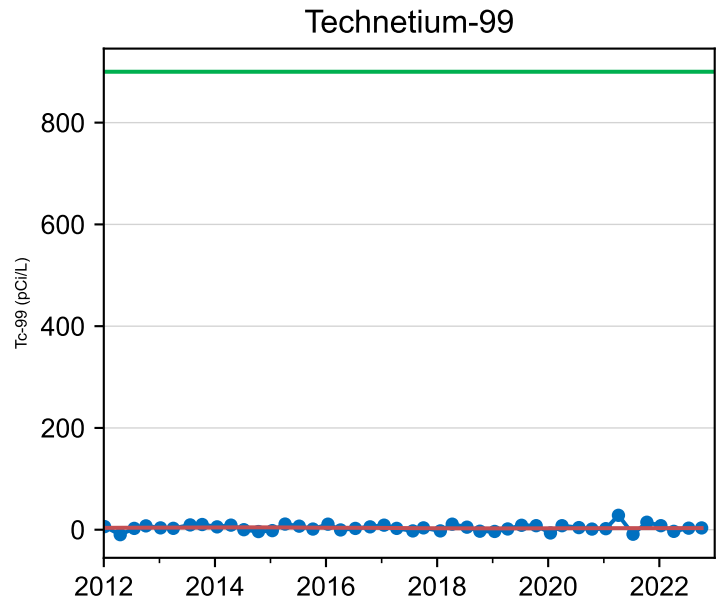
● Data
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Figure 84. Tc-99 and TCE at MW358 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/06/2012	6.12 U	1.0 U
04/18/2012	-9.73 U	1.0 UJ
07/19/2012	2.61 U	1.0 U
10/04/2012	7.54 U	1.0 U
01/08/2013	3.61 U	1.0 U
04/02/2013	2.71 U	1.0 U
07/22/2013	9.42 U	1.0 U
10/09/2013	10.2 U	1.0 U
01/15/2014	5.59 U	1.0 U
04/16/2014	9.0 U	1.0 U
07/10/2014	0.0254 U	1.0 U
10/14/2014	-3.63 U	1.0 U
01/13/2015	-1.8 U	1.0 U
04/07/2015	11.1 U	0.81 J
07/09/2015	6.98 U	1.0 U
10/07/2015	1.29 U	1.0 U
01/14/2016	10.9 U	1.0 U
04/06/2016	-0.442 U	1.0 U
07/12/2016	2.55 U	1.0 U
10/17/2016	5.64 U	1.0 U
01/17/2017	8.95 U	1.0 U
04/10/2017	2.63 U	1.0 U
07/25/2017	-2.37 U	1.0 U
10/03/2017	3.62 U	1.0 U
01/22/2018	-2.32 U	1.0 U
04/10/2018	10.9 U	2.36
07/16/2018	4.99 U	0.99 J
10/09/2018	-2.92 U	1.0 U
01/14/2019	-3.4 U	1.0 U
04/10/2019	1.48 U	0.83 J
07/10/2019	8.71 U	1.0 U
10/14/2019	7.92 U	1.0 U
01/16/2020	-6.42 U	1.0 U
04/01/2020	7.89 U	0.86 J
07/21/2020	4.16 U	1.0 U
10/15/2020	1.26 U	1.0 U
01/14/2021	2.04 U	0.42 J
04/07/2021	28.3	0.68 J
07/12/2021	-8.87 U	1.76
10/11/2021	14.7 U	0.78 J
01/11/2022	7.9 U	1.62
04/06/2022	-3.21 U	1.0 U
07/13/2022	3.05 U	0.42 J
10/06/2022	3.53 U	0.61 J



Notes:

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2. J = Concentration is estimated.
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4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

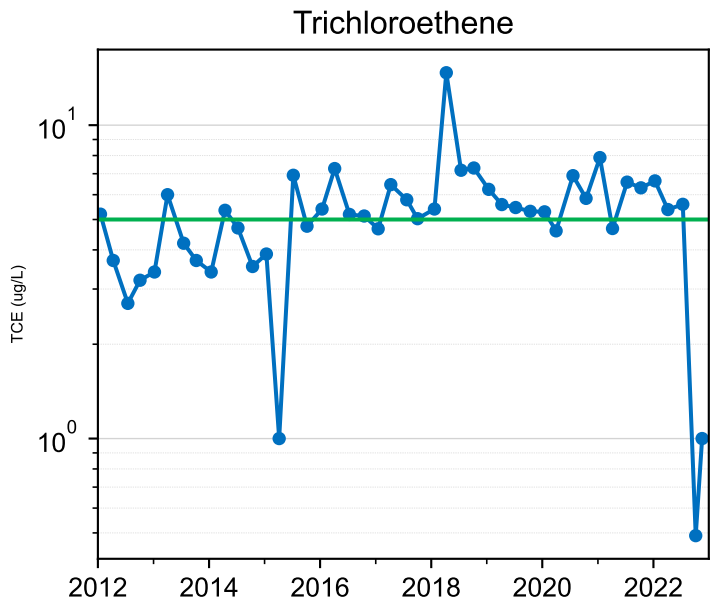
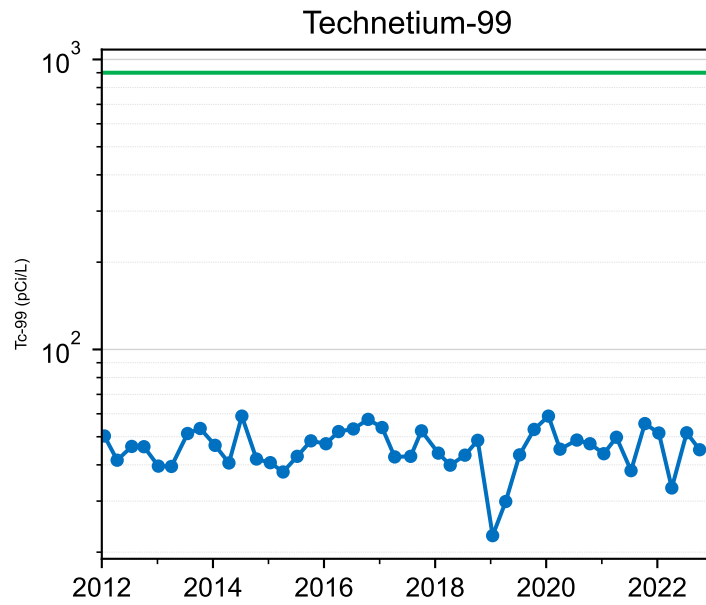
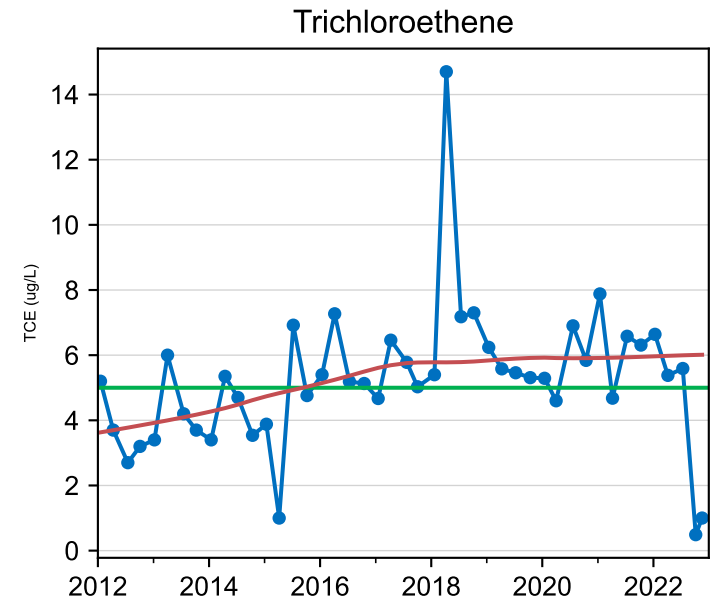
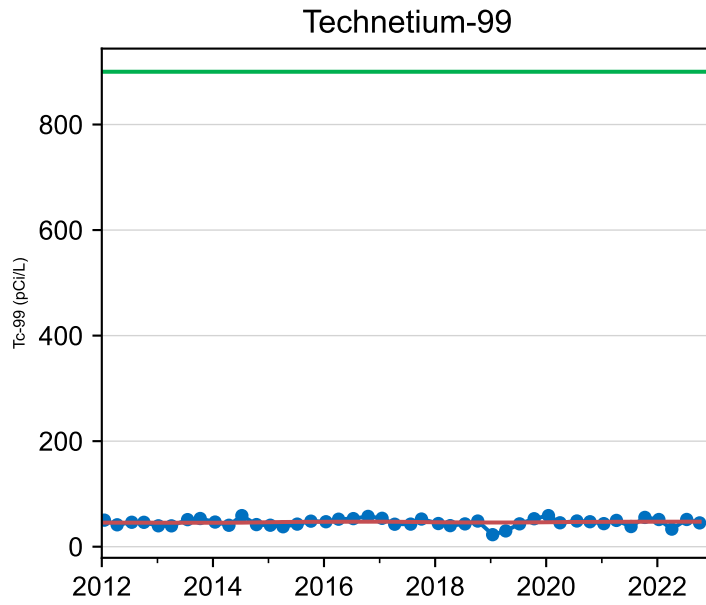
● Data — LOWESS
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Figure 85. Tc-99 and TCE at MW360 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/18/2012	50.3	5.2 J
04/11/2012	41.5	3.7
07/16/2012	46.3	2.7
10/04/2012	46.2	3.2
01/07/2013	39.6	3.4
04/03/2013	39.5	6.0
07/18/2013	51.3	4.2
10/09/2013	53.4	3.7
01/15/2014	46.7	3.4
04/16/2014	40.6	5.35
07/10/2014	58.9	4.7
10/14/2014	41.9	3.54
01/13/2015	40.7	3.88 J
04/07/2015	37.8	1.0 U
07/09/2015	42.8	6.92
10/07/2015	48.4	4.76
01/14/2016	47.3	5.4
04/06/2016	52.1	7.27
07/12/2016	53.2	5.19
10/17/2016	57.4	5.13
01/17/2017	53.8	4.67
04/10/2017	42.6 J	6.46
07/24/2017	42.8	5.78
10/03/2017	52.4	5.03
01/22/2018	43.9	5.4
04/10/2018	39.9	14.7 J
07/16/2018	43.2	7.18
10/08/2018	48.6	7.3
01/14/2019	22.8	6.24
04/10/2019	29.9	5.58
07/10/2019	43.3	5.46
10/14/2019	53.0	5.31
01/16/2020	58.9	5.29
04/01/2020	45.3	4.6
07/21/2020	48.7	6.9
10/15/2020	47.3	5.84
01/14/2021	43.7	7.88
04/07/2021	49.8	4.68
07/12/2021	38.2	6.58
10/11/2021	55.5	6.31
01/11/2022	51.5	6.64
04/06/2022	33.3	5.38
07/13/2022	51.6	5.59
10/06/2022	45.1	0.49 J
11/17/2022		1.0 U



Notes:
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 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
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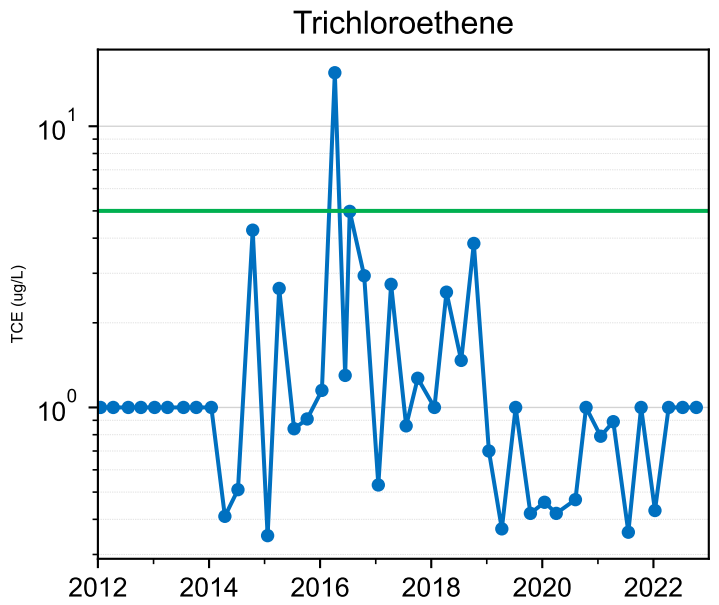
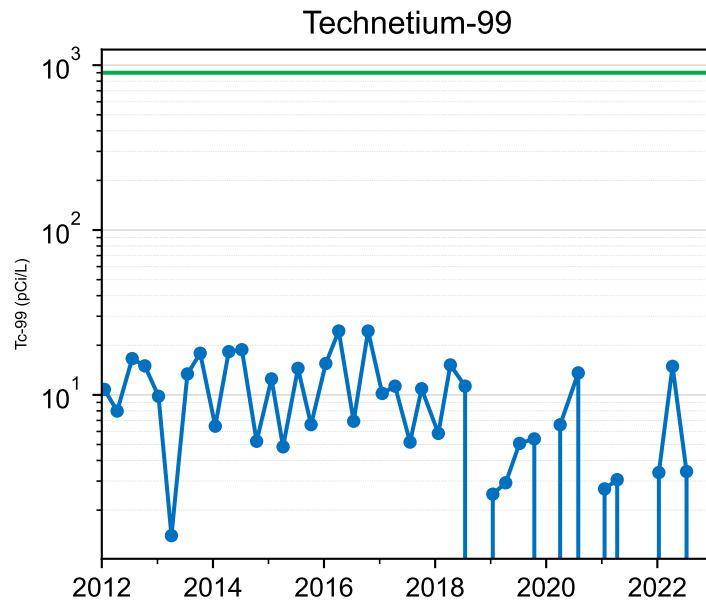
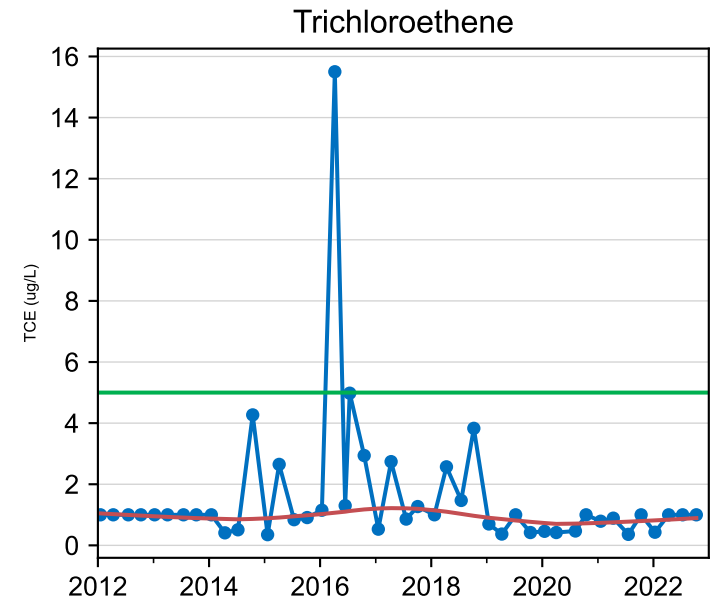
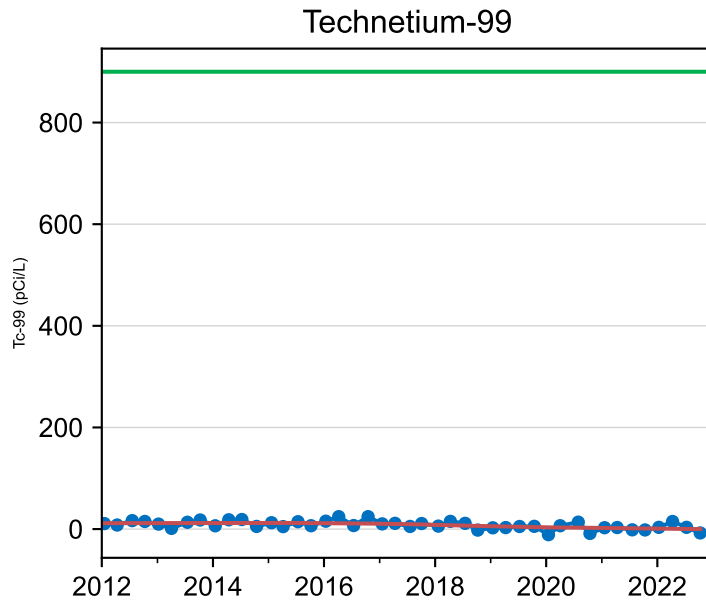
● Data
 — LOWESS
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Figure 86. Tc-99 and TCE at MW361 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/18/2012	10.8 U	1.0 U
04/11/2012	7.98 U	1.0 U
07/19/2012	16.6	1.0 U
10/10/2012	15.0	1.0 U
01/08/2013	9.81 U	1.0 U
04/03/2013	1.4 U	1.0 U
07/17/2013	13.4 U	1.0 U
10/09/2013	17.9	1.0 U
01/16/2014	6.46 U	1.0 U
04/15/2014	18.3 U	0.41 J
07/10/2014	18.8 U	0.51 J
10/15/2014	5.23 U	4.27
01/21/2015	12.5 U	0.35 J
04/07/2015	4.84 U	2.65 J
07/14/2015	14.5 U	0.84 J
10/08/2015	6.6 U	0.91 J
01/13/2016	15.5 U	1.15
04/07/2016	24.4	15.5 J
06/14/2016		1.3
07/14/2016	6.92 U	4.98
10/17/2016	24.4	2.94
01/18/2017	10.2 U	0.53 J
04/12/2017	11.3 U	2.74
07/20/2017	5.17 U	0.86 J
10/04/2017	10.9 U	1.27
01/22/2018	5.84 U	1.0
04/11/2018	15.2 U	2.57
07/17/2018	11.3 U	1.47
10/08/2018	-1.97 U	3.83
01/15/2019	2.5 U	0.7 J
04/10/2019	2.93 U	0.37 J
07/10/2019	5.08 U	1.0 U
10/15/2019	5.41 U	0.42 J
01/16/2020	-11.0 U	0.46 J
04/02/2020	6.59 U	0.42 J
07/30/2020	13.6 U	
08/06/2020		0.47 J
10/15/2020	-8.53 U	1.0 U
01/19/2021	2.69 U	0.79 J
04/12/2021	3.06 U	0.89 J
07/20/2021	-1.48 U	0.36 J
10/12/2021	-1.73 U	1.0 U
01/11/2022	3.38 U	0.43 J
04/11/2022	14.9 U	1.0 U
07/12/2022	3.43 U	1.0 U
10/10/2022	-7.61 U	1.0 U



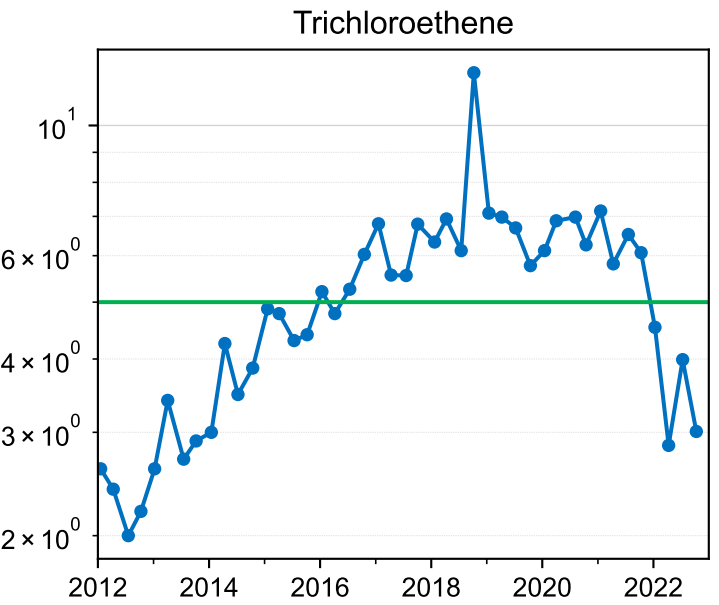
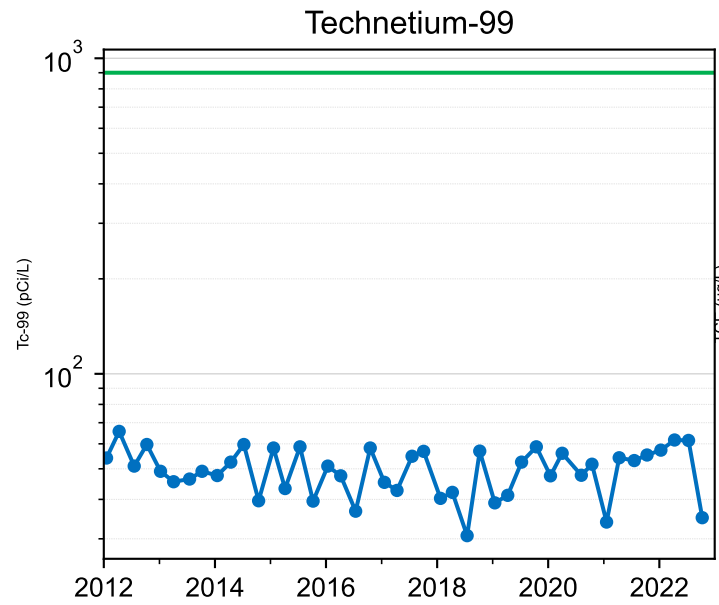
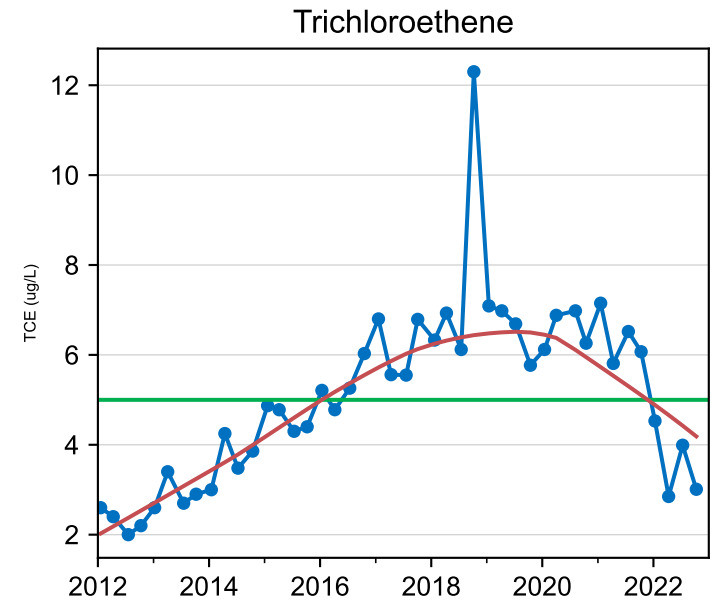
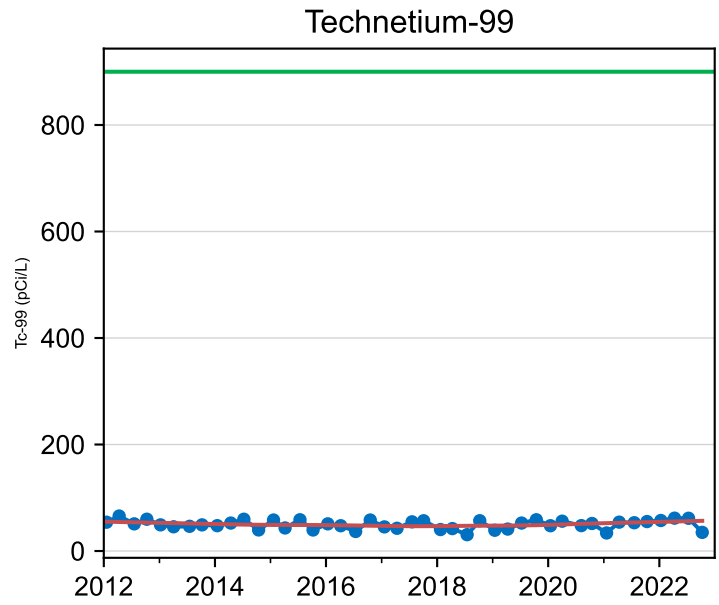
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 87. Tc-99 and TCE at MW363 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/19/2012	54.1	2.6
04/11/2012	65.7	2.4
07/19/2012	51.0	2.0
10/10/2012	59.7	2.2
01/08/2013	49.1	2.6
04/04/2013	45.5	3.4
07/18/2013	46.4	2.7
10/08/2013	49.1	2.9
01/16/2014	47.6	3.0
04/15/2014	52.5	4.25
07/10/2014	59.7	3.48
10/15/2014	39.6	3.86
01/21/2015	58.2	4.87
04/07/2015	43.3	4.78 J
07/14/2015	58.7	4.3
10/08/2015	39.5	4.4
01/13/2016	51.0	5.21
04/07/2016	47.5	4.78
07/14/2016	36.7	5.26
10/18/2016	58.2	6.03
01/19/2017	45.3	6.8
04/12/2017	42.7	5.56
07/20/2017	54.8	5.55
10/04/2017	56.8	6.79
01/23/2018	40.3	6.33
04/11/2018	42.1	6.93
07/17/2018	30.7	6.12
10/08/2018	56.9	12.3
01/15/2019	39.0	7.09
04/10/2019	41.2	6.98
07/10/2019	52.5	6.69
10/15/2019	58.7	5.77
01/16/2020	47.5	6.12
04/02/2020	56.0	6.88
08/06/2020	47.7	6.98
10/15/2020	51.7	6.26
01/19/2021	33.9	7.15
04/12/2021	54.2	5.81
07/20/2021	53.1	6.52
10/12/2021	56.3	6.07
01/11/2022	57.3	4.53
04/11/2022	61.7	2.85
07/12/2022	61.5	3.99
10/10/2022	35.0	3.01



Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

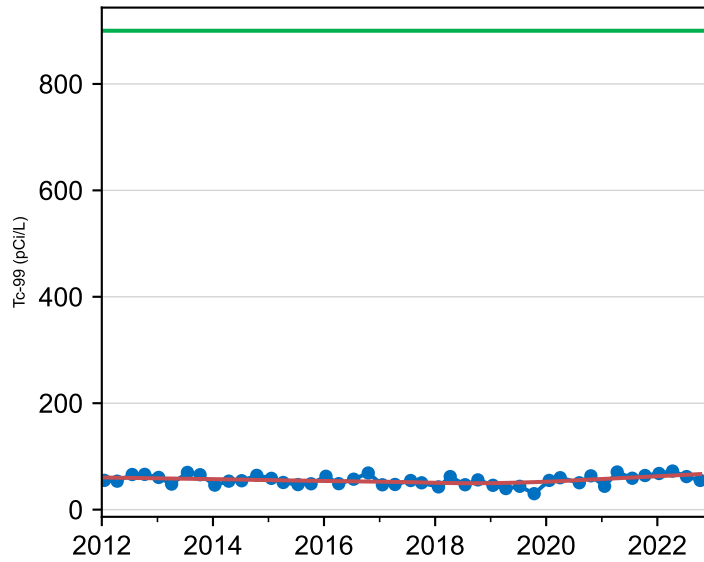
● Data — LOWESS
 — MCLs

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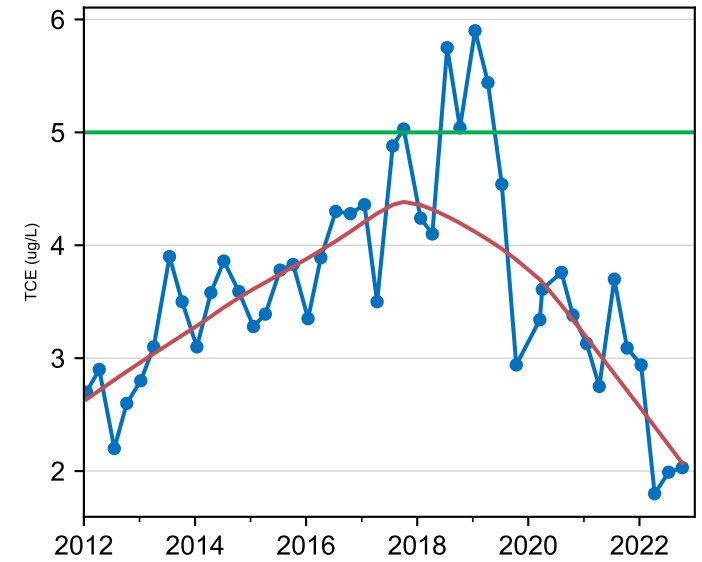


Figure 88. Tc-99 and TCE at MW364 (LRGA)

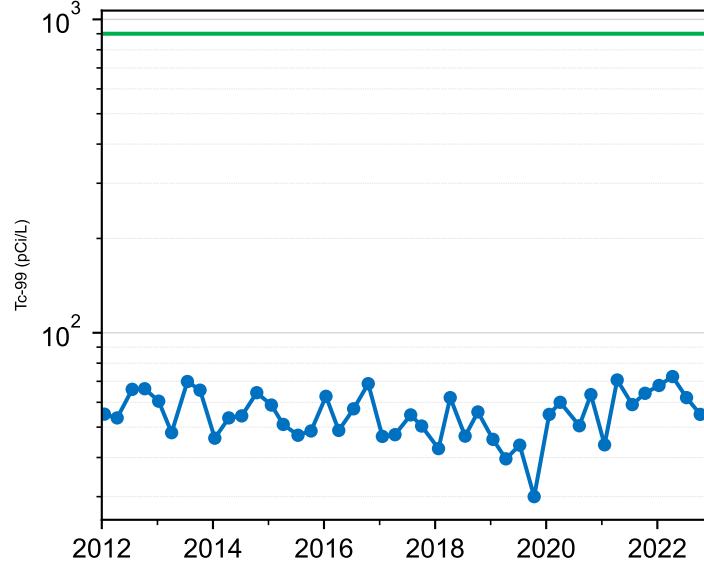
Technetium-99



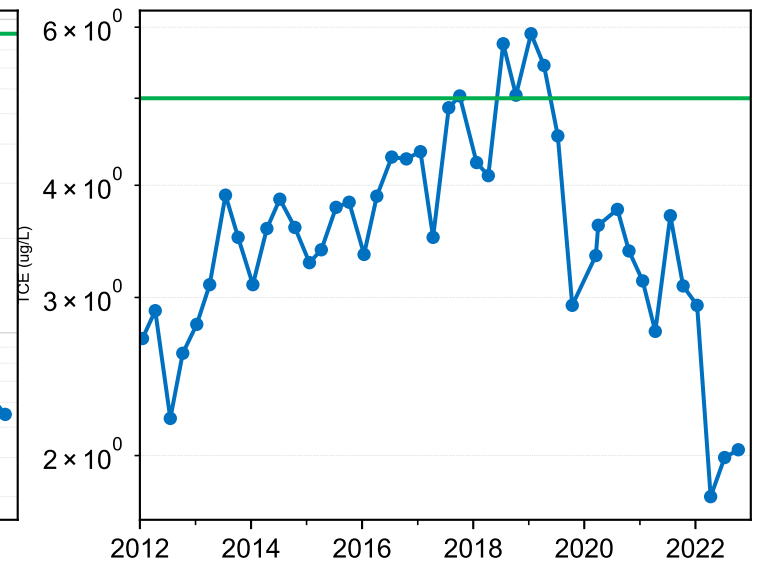
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/18/2012	55.0	2.7
04/11/2012	53.5	2.9
07/19/2012	66.0	2.2
10/09/2012	66.3	2.6
01/09/2013	60.5	2.8
04/04/2013	48.0	3.1
07/17/2013	69.9	3.9
10/08/2013	65.6	3.5
01/13/2014	46.1	3.1
04/15/2014	53.5	3.58
07/09/2014	54.3	3.86
10/16/2014	64.4 J	3.59
01/20/2015	58.8	3.28
04/08/2015	51.0	3.39
07/14/2015	47.1	3.78
10/08/2015	48.6	3.83
01/14/2016	62.7	3.35
04/07/2016	48.8	3.89
07/14/2016	57.2	4.3
10/18/2016	68.8	4.28
01/19/2017	46.7	4.36
04/12/2017	47.3	3.5
07/24/2017	54.7	4.88
10/04/2017	50.4	5.03
01/23/2018	42.7	4.24
04/10/2018	62.1	4.1
07/17/2018	46.8	5.75
10/09/2018	55.9	5.04
01/16/2019	45.7	5.9
04/11/2019	39.6	5.44
07/11/2019	43.8	4.54
10/14/2019	30.0	2.94
01/21/2020	54.9	
03/17/2020		3.34
04/02/2020	60.0	3.61
08/08/2020	50.5	3.76
10/21/2020	63.5	3.38
01/19/2021	43.9	3.13
04/12/2021	70.7	2.75
07/20/2021	59.0	3.7
10/12/2021	64.1	3.09
01/12/2022	67.9	2.94
04/11/2022	72.5	1.8
07/12/2022	62.1	1.99
10/10/2022	54.9	2.03

Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

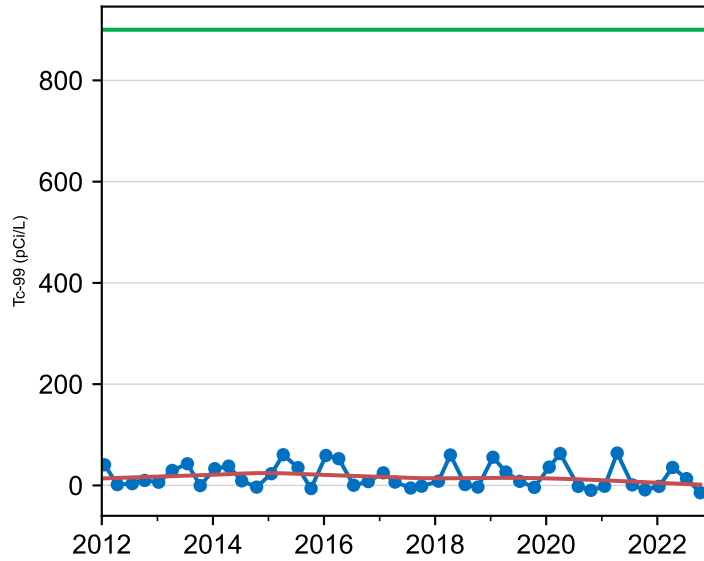
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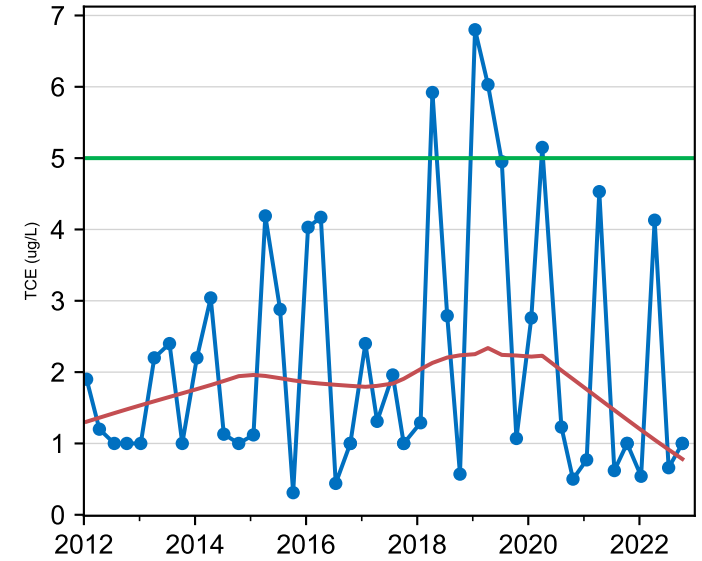
Figure 89. Tc-99 and TCE at MW366 (URGA)

Source: Trend_Plots_V1.ipynb

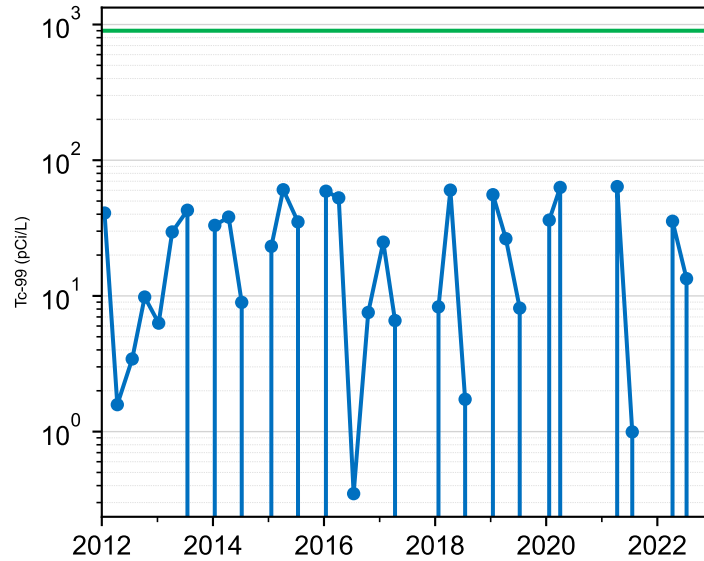
Technetium-99



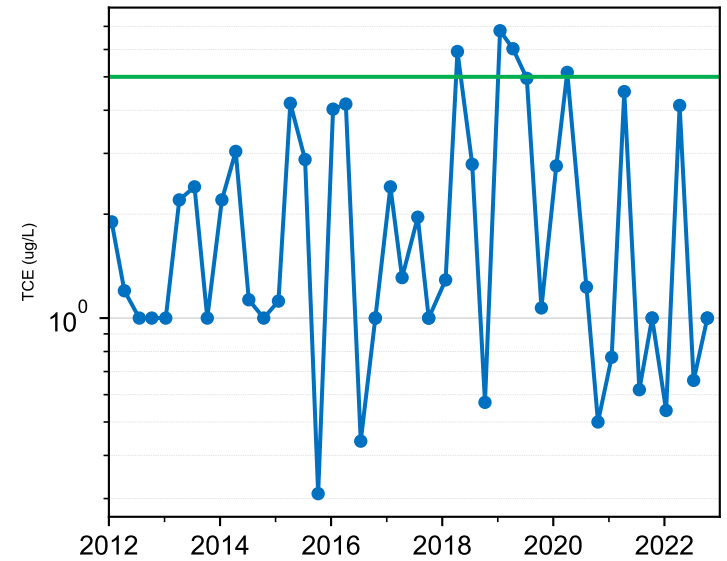
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/19/2012	40.8	1.9
04/12/2012	1.58 U	1.2 J
07/19/2012	3.43 U	1.0 U
10/09/2012	9.81 U	1.0 U
01/09/2013	6.3 U	1.0 U
04/08/2013	29.6	2.2
07/17/2013	42.8	2.4
10/09/2013	-0.345 U	1.0 U
01/13/2014	33.1	2.2
04/14/2014	38.1	3.04
07/09/2014	8.96 U	1.13
10/15/2014	-3.34 U	1.0 U
01/20/2015	23.2	1.12
04/08/2015	60.6	4.19 J
07/14/2015	35.1	2.88
10/08/2015	-6.15 U	0.31 J
01/14/2016	59.1	4.03
04/07/2016	52.8	4.17
07/14/2016	0.349 U	0.44 J
10/18/2016	7.55 U	1.0 U
01/25/2017	24.9	2.4
04/12/2017	6.58 U	1.31
07/24/2017	-5.13 U	1.96
10/04/2017	-1.54 U	1.0 U
01/23/2018	8.3 U	1.29
04/11/2018	60.2	5.92
07/17/2018	1.73 U	2.79
10/09/2018	-3.27 U	0.57 J
01/16/2019	55.7	6.8
04/11/2019	26.4	6.03
07/11/2019	8.13 U	4.95
10/15/2019	-3.87 U	1.07
01/21/2020	36.2	2.76
04/02/2020	63.0	5.15
07/30/2020	-1.99 U	
08/06/2020		1.23
10/21/2020	-9.71 U	0.5 J
01/19/2021	-1.74 U	0.77 J
04/12/2021	63.9	4.53
07/20/2021	0.995 U	0.62 J
10/12/2021	-8.77 U	1.0 U
01/12/2022	-1.91 U	0.54 J
04/11/2022	35.5	4.13
07/12/2022	13.4 U	0.66 J
10/10/2022	-14.3 UJ	1.0 U

Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
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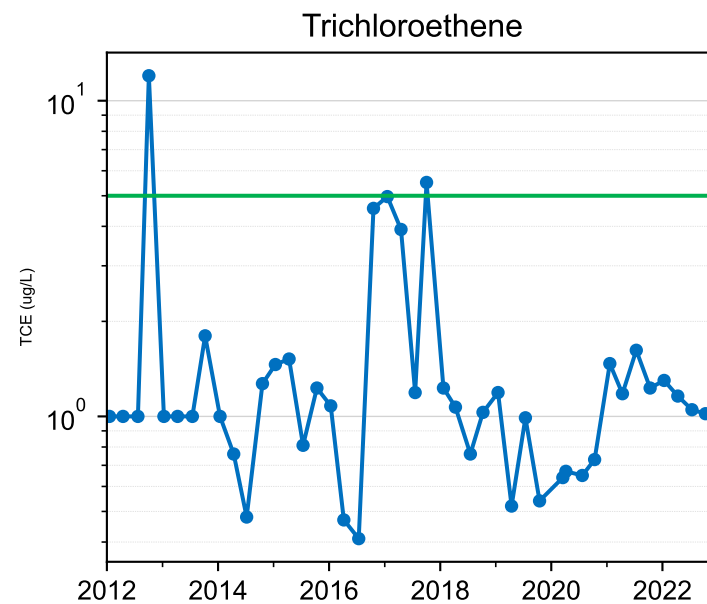
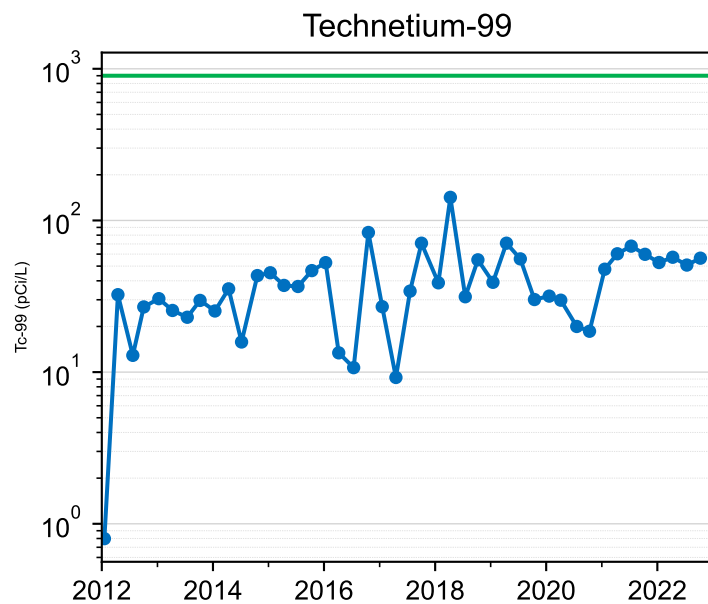
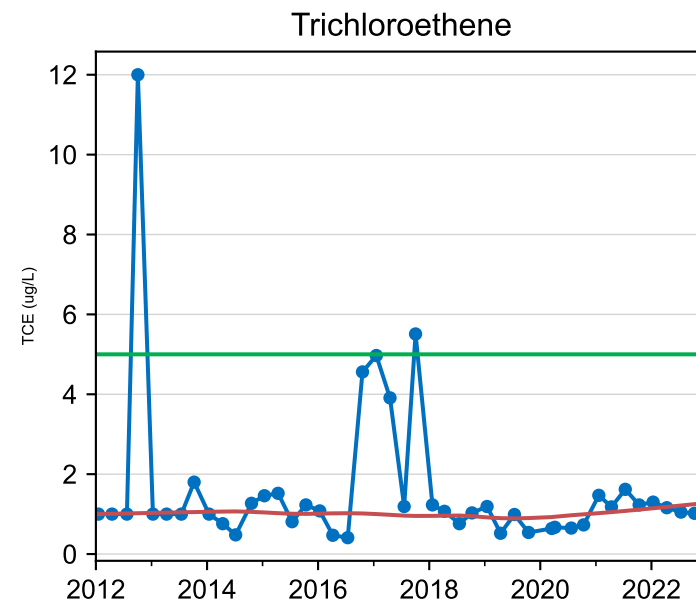
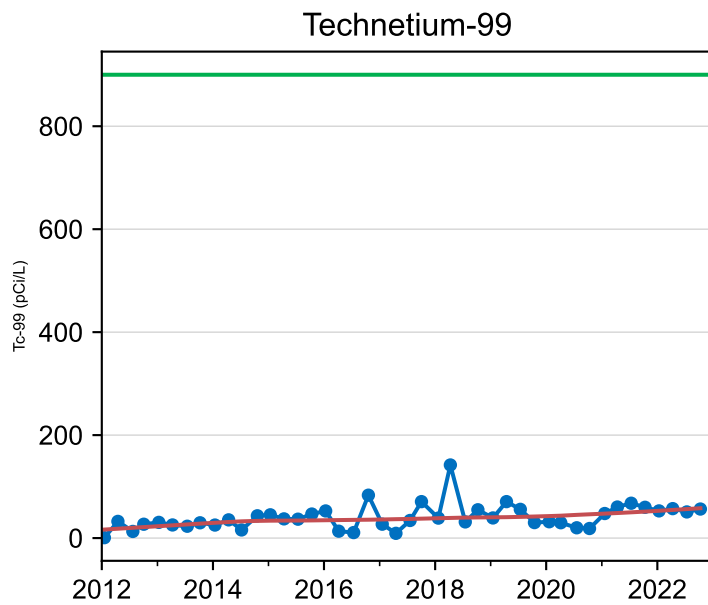
● Data
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Figure 90. Tc-99 and TCE at MW367 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/18/2012	0.798 U	1.0 U
04/16/2012	32.4	1.0 UJ
07/23/2012	12.9 U	1.0 U
10/03/2012	26.9	12.0 J
01/10/2013	30.5	1.0 U
04/10/2013	25.5	1.0 U
07/16/2013	23.0	1.0 U
10/08/2013	29.7	1.8
01/14/2014	25.3	1.0 U
04/14/2014	35.4	0.76 J
07/08/2014	15.8 U	0.48 J
10/20/2014	43.3	1.27
01/13/2015	45.2	1.46 J
04/13/2015	37.3	1.52
07/14/2015	36.7	0.81 J
10/13/2015	46.7	1.23
01/12/2016	52.7	1.08
04/07/2016	13.4 U	0.47 J
07/14/2016	10.7 U	0.41 J
10/19/2016	83.3	4.56
01/18/2017	27.0	4.97
04/18/2017	9.22 U	3.91
07/20/2017	34.2	1.19
10/03/2017	70.8	5.51
01/22/2018	38.8	1.23
04/11/2018	142.0	1.07
07/18/2018	31.4	0.76 U
10/09/2018	55.0	1.03
01/16/2019	39.1	1.19
04/15/2019	70.8	0.52 J
07/15/2019	55.8	0.99 J
10/18/2019	30.1	0.54 J
01/21/2020	31.7	
03/17/2020		0.64 J
04/06/2020	29.8	0.67 J
07/20/2020	20.0	
07/23/2020		0.65 J
10/12/2020	18.6 U	0.73 J
01/20/2021	47.7	1.47
04/13/2021	60.3	1.18
07/13/2021	67.7	1.62
10/12/2021	59.8	1.23
01/12/2022	52.8	1.3
04/12/2022	57.2	1.16
07/14/2022	50.8	1.05
10/11/2022	56.4	1.02



- Notes:
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 2. J = Concentration is estimated.
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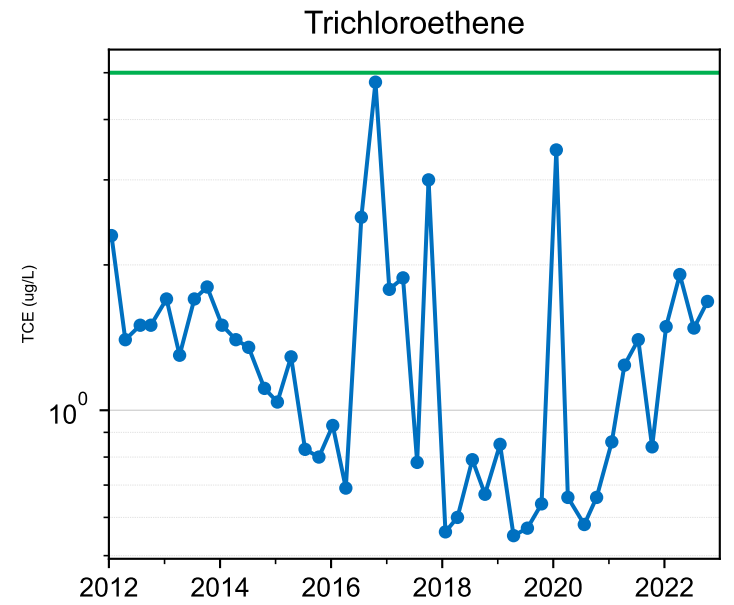
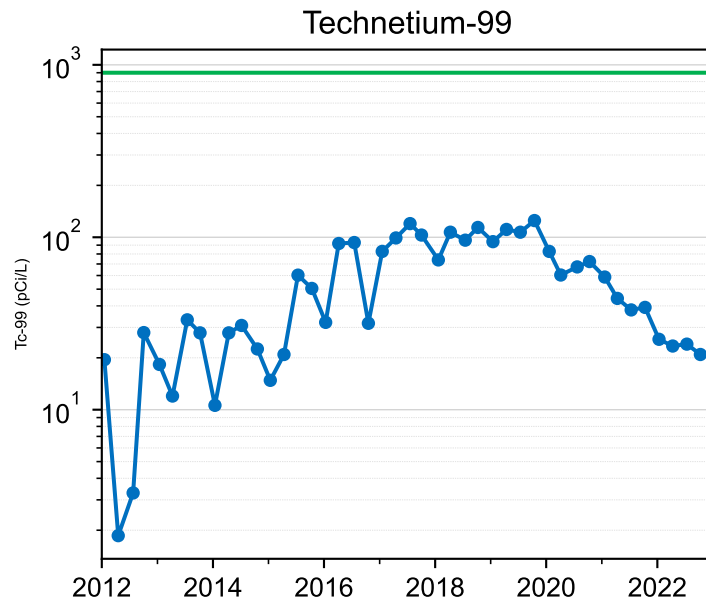
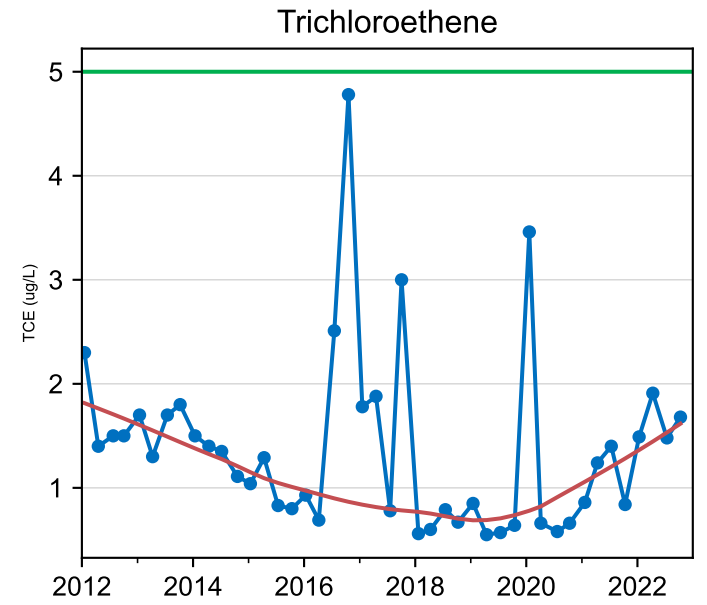
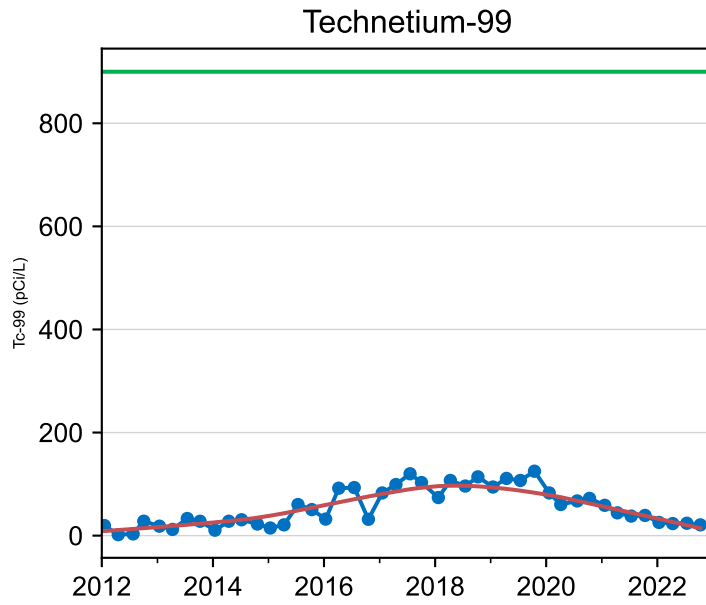
● Data
— LOWESS
— MCLs

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Figure 91. Tc-99 and TCE at MW369 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/18/2012	19.5	2.3
04/18/2012	1.86 U	1.4 J
07/25/2012	3.29 U	1.5
10/03/2012	28.0	1.5 J
01/14/2013	18.3	1.7
04/10/2013	12.0 U	1.3
07/16/2013	33.2	1.7
10/08/2013	27.9	1.8
01/14/2014	10.6 U	1.5
04/15/2014	27.9	1.4
07/08/2014	30.8	1.35
10/20/2014	22.5	1.11
01/13/2015	14.8 U	1.04 J
04/13/2015	20.9	1.29
07/14/2015	60.3	0.83 J
10/13/2015	50.5	0.8 J
01/12/2016	32.1	0.93 J
04/07/2016	92.0	0.69 J
07/18/2016	93.2	2.51
10/19/2016	31.7	4.78
01/18/2017	82.8	1.78
04/18/2017	99.1	1.88
07/20/2017	120.0	0.78 J
10/03/2017	103.0	3.0
01/22/2018	73.9	0.56 J
04/11/2018	107.0	0.6 J
07/18/2018	96.2	0.79 U
10/09/2018	114.0	0.67 J
01/16/2019	94.3	0.85 J
04/15/2019	111.0	0.55 J
07/15/2019	107.0	0.57 J
10/16/2019	125.0	0.64 J
01/21/2020	82.8	3.46
04/06/2020	60.4	0.66 J
07/23/2020	67.3	0.58 J
10/12/2020	72.3	0.66 J
01/20/2021	58.8	0.86 J
04/13/2021	44.2	1.24
07/13/2021	37.9	1.4
10/12/2021	39.2	0.84 J
01/12/2022	25.6	1.49
04/12/2022	23.4	1.91
07/14/2022	24.0	1.48
10/11/2022	20.9	1.68



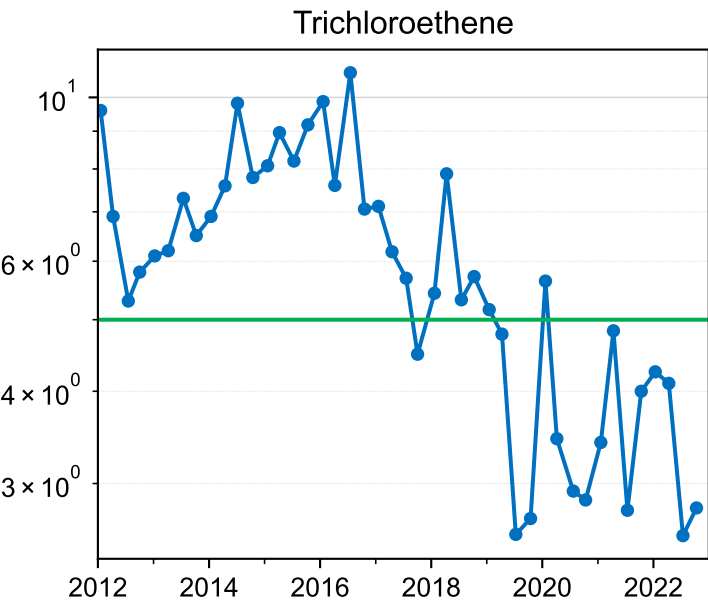
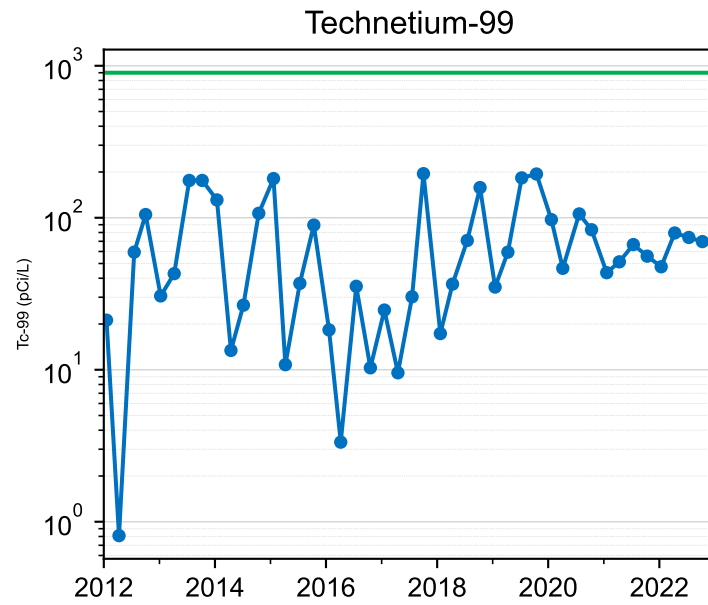
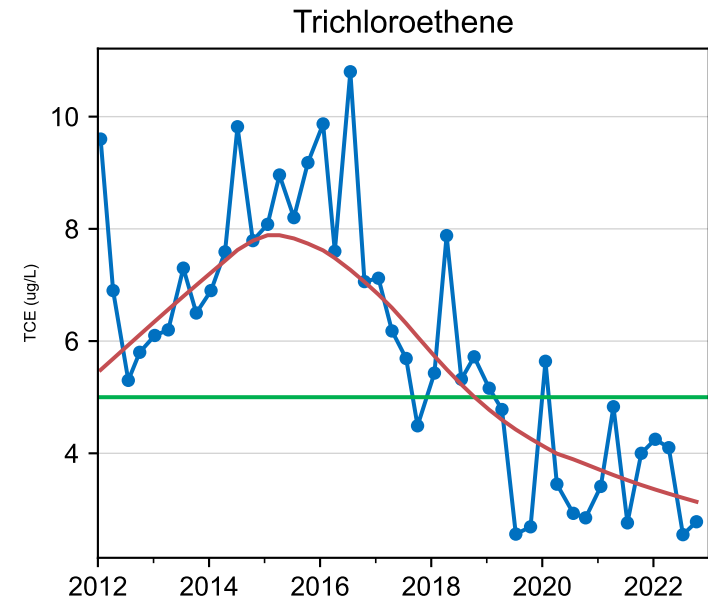
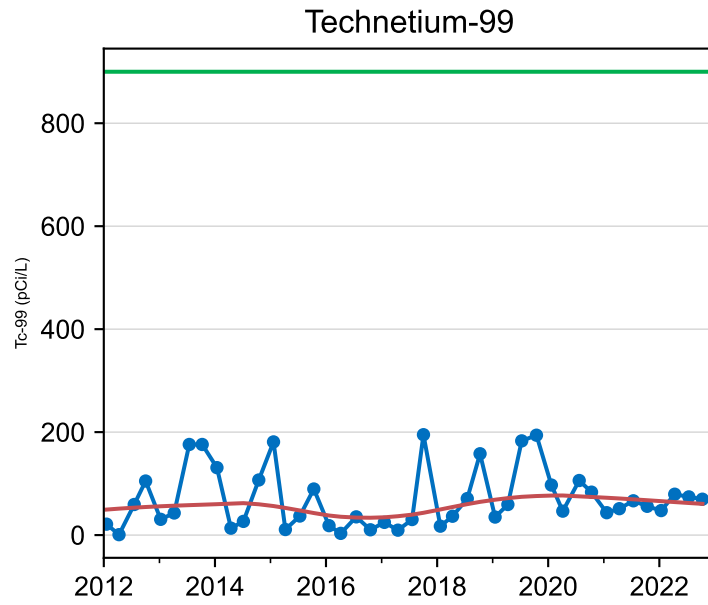
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
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● Data
 — LOWESS
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Figure 92. Tc-99 and TCE at MW370 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/19/2012	21.2	9.6
04/10/2012	0.81 U	6.9 J
07/19/2012	59.4	5.3
10/02/2012	105.0	5.8 J
01/09/2013	30.6	6.1
04/08/2013	42.9	6.2
07/16/2013	176.0	7.3
10/09/2013	176.0	6.5
01/14/2014	131.0	6.9
04/16/2014	13.4 U	7.59
07/07/2014	26.6	9.82
10/16/2014	107.0	7.79
01/21/2015	181.0	8.08
04/09/2015	10.8 U	8.96
07/13/2015	37.0	8.2
10/13/2015	89.5	9.18
01/21/2016	18.3 U	9.87
04/07/2016	3.34 U	7.6
07/18/2016	35.4	10.8
10/19/2016	10.3 U	7.06
01/19/2017	24.7	7.12
04/18/2017	9.55 U	6.18
07/20/2017	30.2	5.69
10/03/2017	195.0	4.49
01/22/2018	17.3	5.43
04/12/2018	36.6	7.88
07/18/2018	70.9	5.32
10/10/2018	158.0	5.72
01/17/2019	35.0	5.16
04/11/2019	59.4	4.78
07/11/2019	183.0	2.56 J
10/16/2019	194.0	2.69
01/22/2020	97.2	5.64
04/06/2020	46.5	3.45
07/23/2020	106.0	2.93
10/12/2020	83.4	2.85
01/20/2021	43.5	3.41
04/13/2021	51.3	4.83
07/14/2021	66.6	2.76 J
10/13/2021	55.9	4.0 J
01/13/2022	47.6	4.25
04/12/2022	79.4	4.1
07/14/2022	74.2	2.55
10/11/2022	69.7	2.78



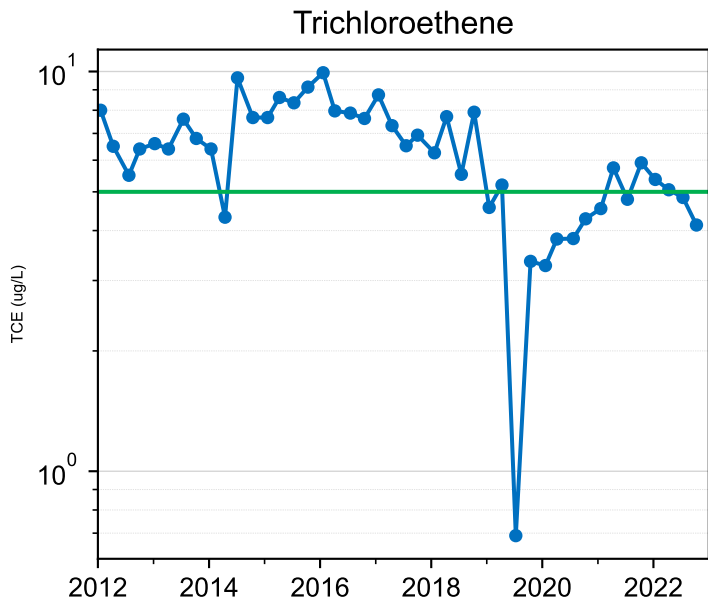
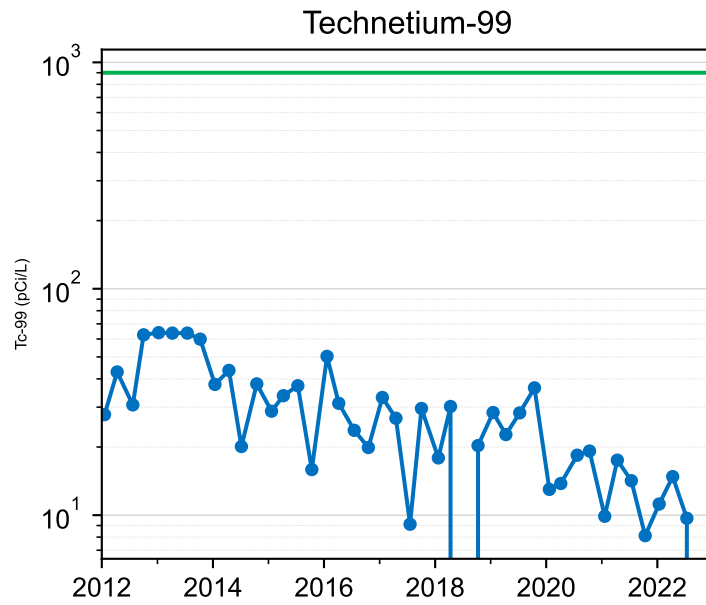
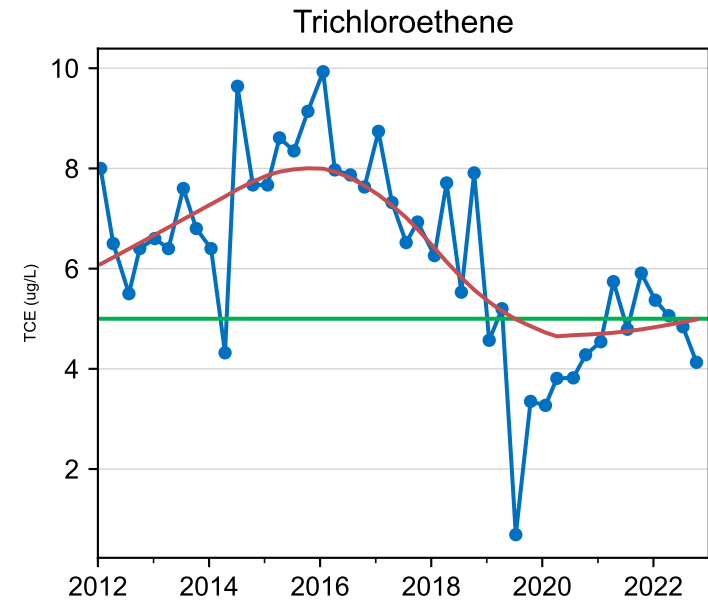
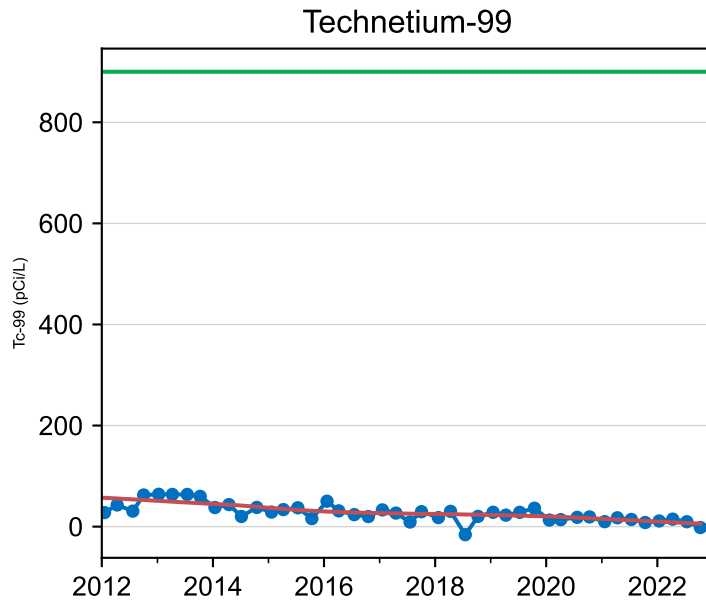
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
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● Data
 — LOWESS
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Figure 93. Tc-99 and TCE at MW372 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/19/2012	27.8	8.0
04/11/2012	42.9	6.5
07/23/2012	30.7	5.5
10/02/2012	62.6	6.4 J
01/09/2013	64.0	6.6
04/09/2013	63.7	6.4
07/16/2013	63.7	7.6
10/09/2013	59.9	6.8
01/14/2014	37.8	6.4
04/16/2014	43.6	4.32
07/07/2014	20.1 U	9.64
10/16/2014	38.0	7.67
01/21/2015	28.8	7.67
04/09/2015	33.7	8.61
07/13/2015	37.3	8.35
10/13/2015	15.9 U	9.14
01/21/2016	50.3	9.93
04/07/2016	31.2	7.97
07/18/2016	23.7	7.87
10/19/2016	19.9	7.63
01/19/2017	33.1	8.74
04/18/2017	26.8	7.32
07/20/2017	9.12 U	6.52
10/03/2017	29.6	6.93
01/22/2018	17.9 U	6.26
04/12/2018	30.2	7.71
07/18/2018	-15.9 U	5.53
10/10/2018	20.3 U	7.91
01/17/2019	28.4	4.57
04/11/2019	22.7	5.2
07/11/2019	28.3	0.69 J
10/16/2019	36.5	3.35
01/22/2020	13.0 U	3.27
04/06/2020	13.8 U	3.81
07/23/2020	18.4 U	3.82
10/12/2020	19.2 U	4.28
01/20/2021	9.89 U	4.54
04/13/2021	17.5 U	5.74
07/14/2021	14.2 U	4.79 J
10/13/2021	8.12 U	5.91
01/13/2022	11.2 U	5.37
04/12/2022	14.8 U	5.06
07/14/2022	9.69 U	4.84
10/11/2022	-1.78 U	4.13



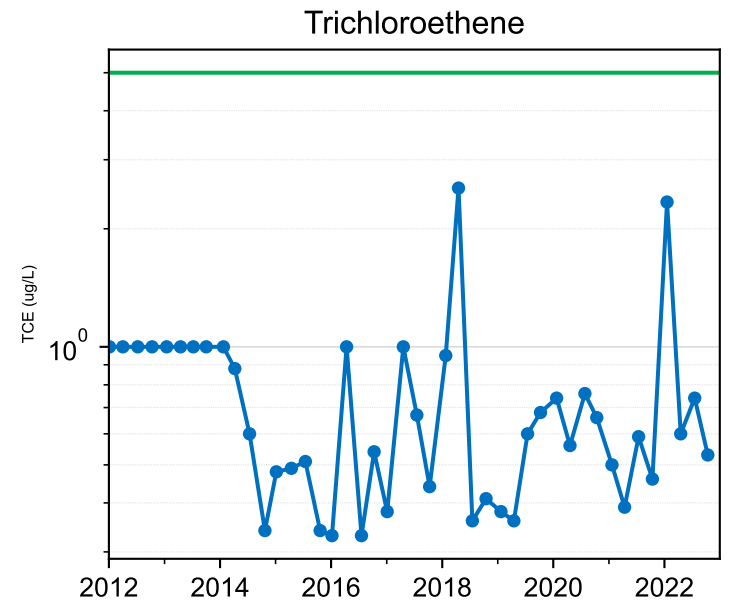
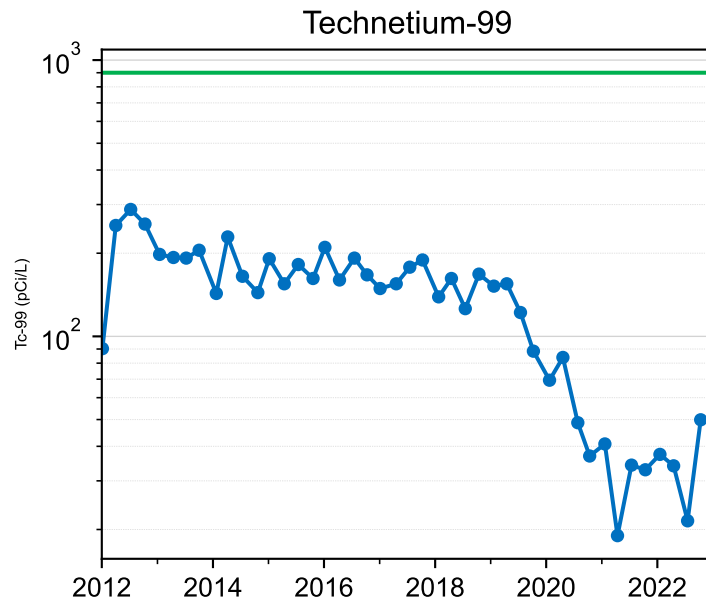
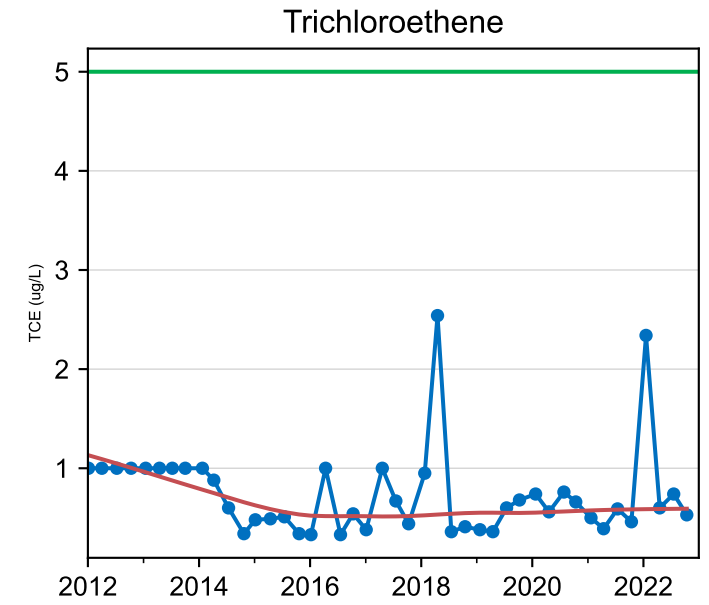
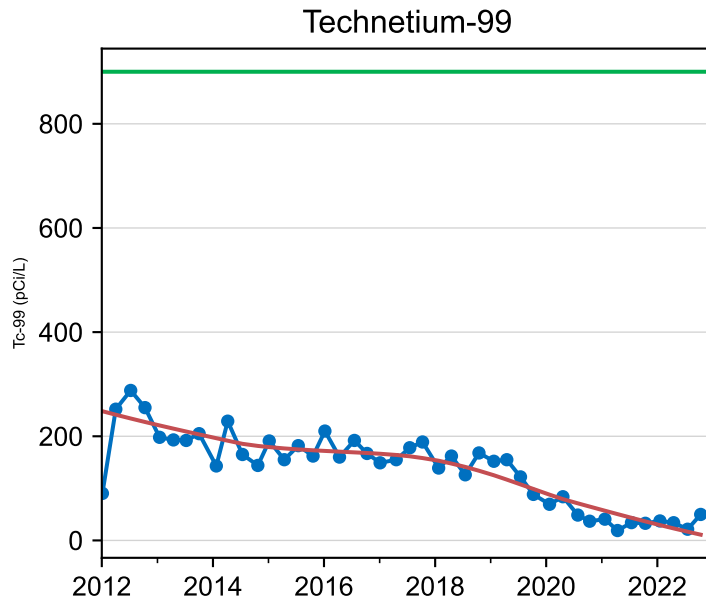
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 94. Tc-99 and TCE at MW373 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/05/2012	90.3	1.0 U
04/02/2012	252.0	1.0 U
07/09/2012	288.0	1.0 U
10/11/2012	255.0	1.0 U
01/15/2013	198.0	1.0 U
04/16/2013	193.0	1.0 U
07/09/2013	192.0	1.0 U
10/02/2013	205.0	1.0 U
01/23/2014	143.0	1.0 U
04/08/2014	229.0	0.88 J
07/14/2014	165.0	0.6 J
10/23/2014	144.0	0.34 J
01/06/2015	191.0	0.48 J
04/15/2015	155.0	0.49 J
07/16/2015	182.0	0.51 J
10/21/2015	162.0	0.34 J
01/07/2016	210.0	0.33 J
04/12/2016	160.0	1.0 U
07/19/2016	192.0	0.33 J
10/10/2016	167.0	0.54 J
01/04/2017	149.0	0.38 J
04/20/2017	155.0	1.0 U
07/18/2017	178.0	0.67 J
10/10/2017	189.0	0.44 J
01/24/2018	139.0	0.95 J
04/18/2018	162.0	2.54
07/18/2018	126.0	0.36 J
10/16/2018	168.0	0.41 J
01/22/2019	152.0	0.38 J
04/17/2019	155.0	0.38 J
07/18/2019	122.0	0.6 J
10/09/2019	88.4	0.68 J
01/23/2020	69.4	0.74 J
04/20/2020	83.9	0.56 J
07/27/2020	48.7	0.76 J
10/13/2020	36.9	0.66 J
01/21/2021	40.8 J	0.5 J
04/14/2021	19.0 U	0.39 J
07/15/2021	34.2	0.59 J
10/14/2021	32.9	0.46 J
01/18/2022	37.4 J	2.34
04/18/2022	34.0	0.6 J
07/19/2022	21.5 U	0.74 J
10/13/2022	49.9	0.53 J



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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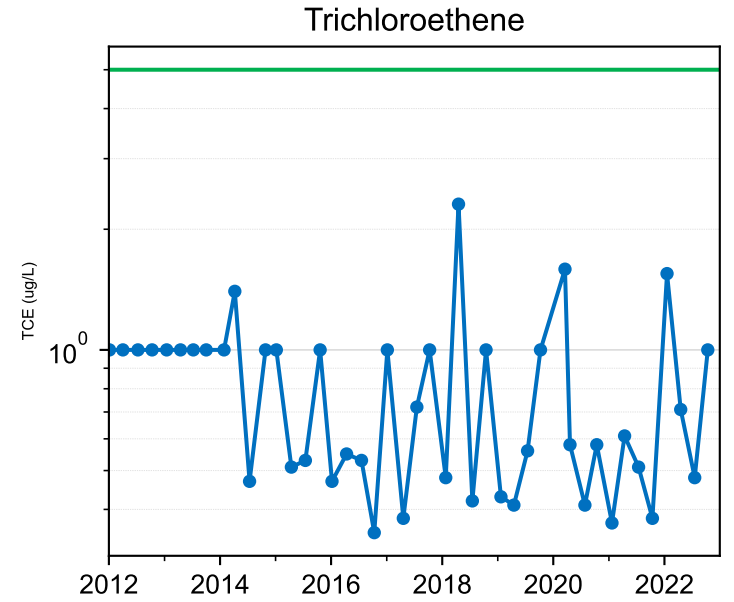
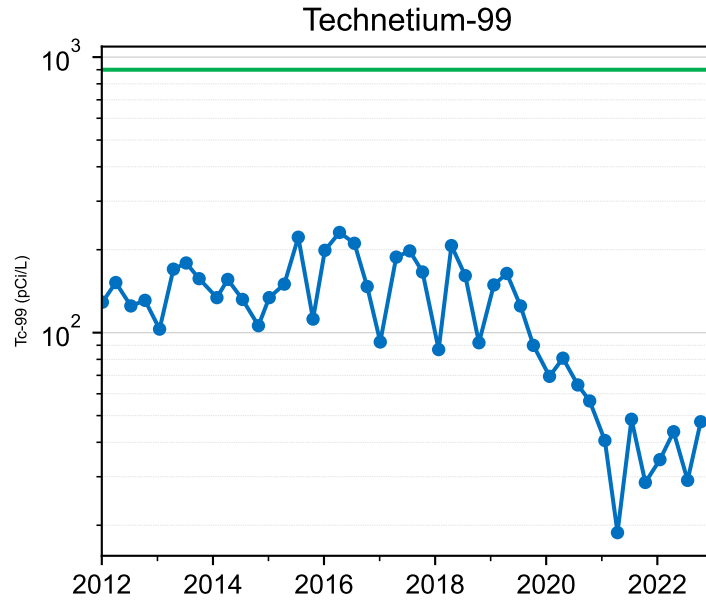
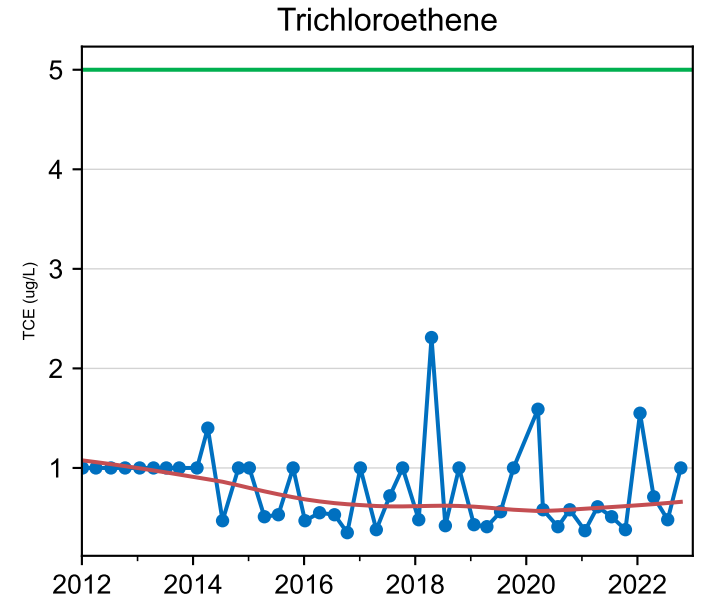
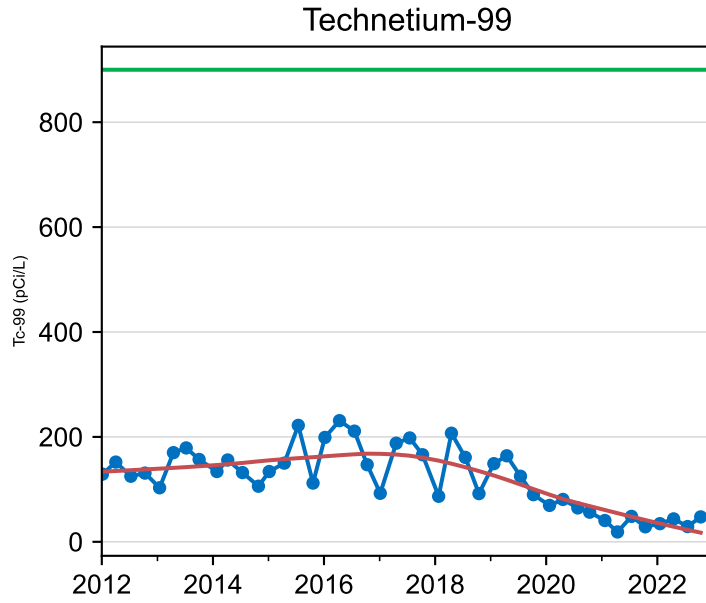


Figure 95. Tc-99 and TCE at MW384 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/05/2012	129.0	1.0 U
04/02/2012	152.0	1.0 UJ
07/10/2012	125.0	1.0 U
10/11/2012	131.0	1.0 UJ
01/15/2013	103.0	1.0 U
04/18/2013	170.0	1.0 U
07/09/2013	179.0	1.0 U
10/02/2013	157.0	1.0 U
01/27/2014	134.0	1.0 U
04/08/2014	156.0	1.4
07/14/2014	132.0	0.47 J
10/27/2014	106.0	1.0 U
01/06/2015	134.0	1.0 U
04/15/2015	150.0	0.51 J
07/16/2015	222.0	0.53 J
10/21/2015	112.0	1.0 U
01/07/2016	199.0	0.47 J
04/12/2016	231.0	0.55 J
07/19/2016	211.0	0.53 J
10/11/2016	147.0	0.35 J
01/05/2017	92.5	1.0 U
04/20/2017	188.0	0.38 J
07/18/2017	198.0	0.72 J
10/10/2017	166.0	1.0 U
01/24/2018	86.8	0.48 J
04/18/2018	207.0	2.31
07/18/2018	161.0	0.42 J
10/16/2018	91.9	1.0 U
01/22/2019	149.0	0.43 J
04/17/2019	164.0	0.41 J
07/16/2019	125.0	0.56 J
10/09/2019	89.9	1.0 U
01/23/2020	69.4	
03/18/2020		1.59
04/20/2020	80.8	0.58 J
07/27/2020	64.6	0.41 J
10/13/2020	56.5	0.58 J
01/21/2021	40.6	0.37 J
04/14/2021	18.8 U	0.61 J
07/15/2021	48.5	0.51 J
10/14/2021	28.6	0.38 J
01/18/2022	34.6	1.55
04/18/2022	43.7	0.71 J
07/19/2022	29.1	0.48 J
10/13/2022	47.5	1.0 U



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs


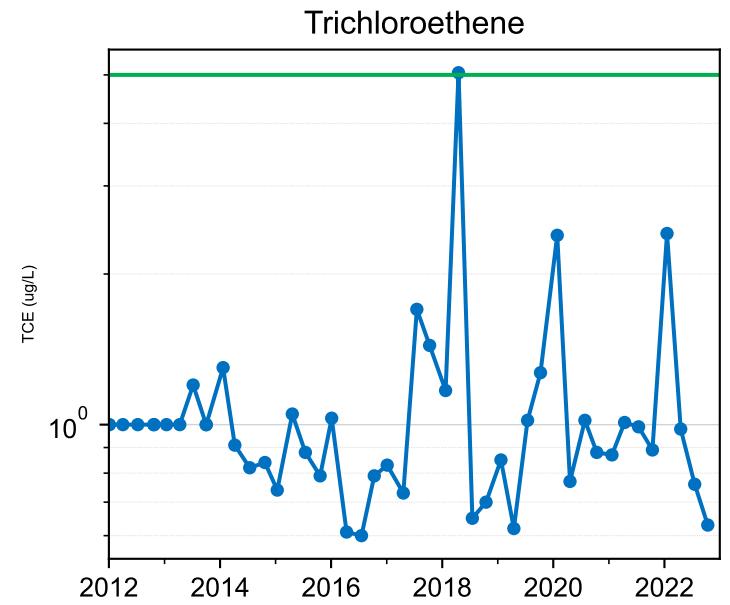
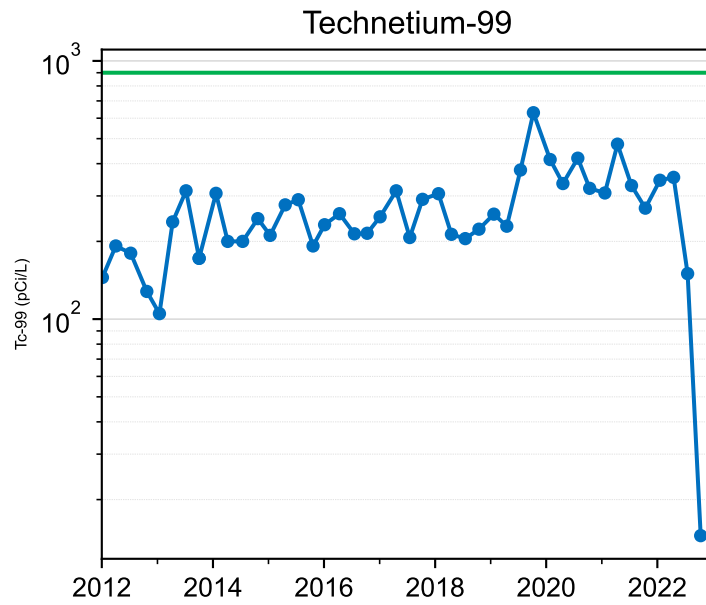
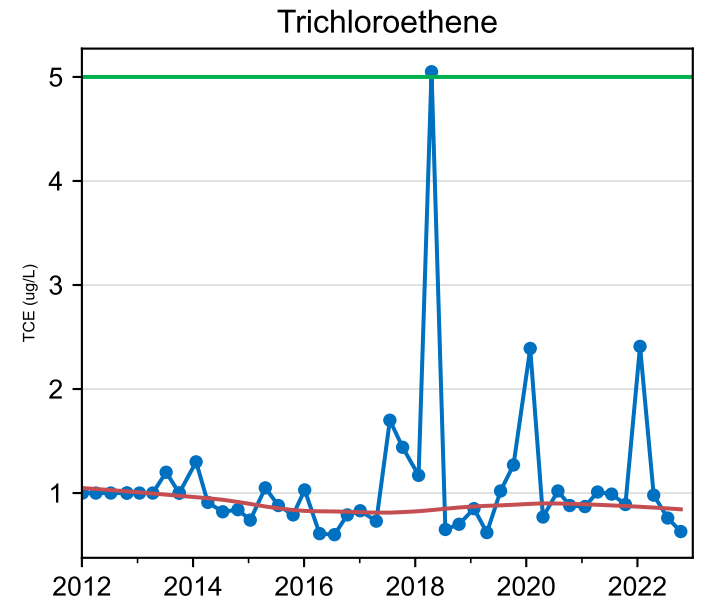
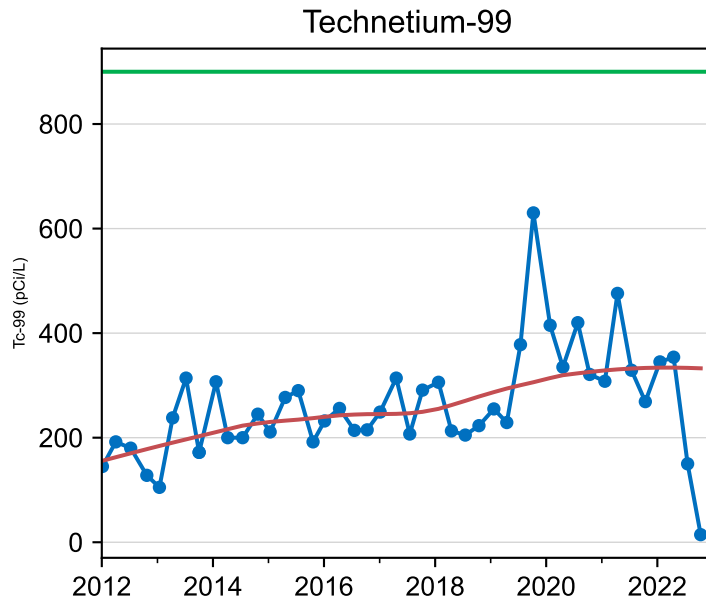
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Figure 96. Tc-99 and TCE at MW385 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/05/2012	145.0	1.0 U
04/02/2012	192.0	1.0 U
07/09/2012	180.0	1.0 U
10/23/2012	128.0	1.0 U
01/14/2013	105.0	1.0 U
04/11/2013	238.0	1.0 U
07/08/2013	314.0	1.2
10/02/2013	172.0	1.0 U
01/21/2014	307.0	1.3
04/08/2014	200.0	0.91 J
07/15/2014	200.0	0.82 J
10/23/2014	245.0	0.84 J
01/12/2015	211.0	0.74 J
04/21/2015	277.0	1.05
07/16/2015	290.0	0.88 J
10/21/2015	192.0	0.79 J
01/05/2016	232.0	1.03
04/12/2016	256.0	0.61 J
07/19/2016	214.0	0.6 J
10/11/2016	215.0	0.79 J
01/04/2017	249.0	0.83 J
04/20/2017	314.0	0.73 J
07/18/2017	207.0	1.7
10/10/2017	291.0	1.44
01/23/2018	306.0	1.17
04/18/2018	213.0	5.05
07/18/2018	205.0	0.65 J
10/16/2018	223.0	0.7 J
01/22/2019	255.0	0.85 J
04/17/2019	229.0	0.62 J
07/16/2019	378.0	1.02
10/09/2019	630.0	1.27
01/27/2020	415.0	2.39
04/20/2020	335.0	0.77 J
07/27/2020	420.0	1.02
10/13/2020	321.0	0.88 J
01/21/2021	308.0	0.87 J
04/14/2021	476.0	1.01
07/15/2021	329.0	0.99 J
10/14/2021	269.0	0.89 J
01/18/2022	345.0	2.41
04/18/2022	354.0	0.98 J
07/19/2022	150.0	0.76 J
10/13/2022	14.5 U	0.63 J



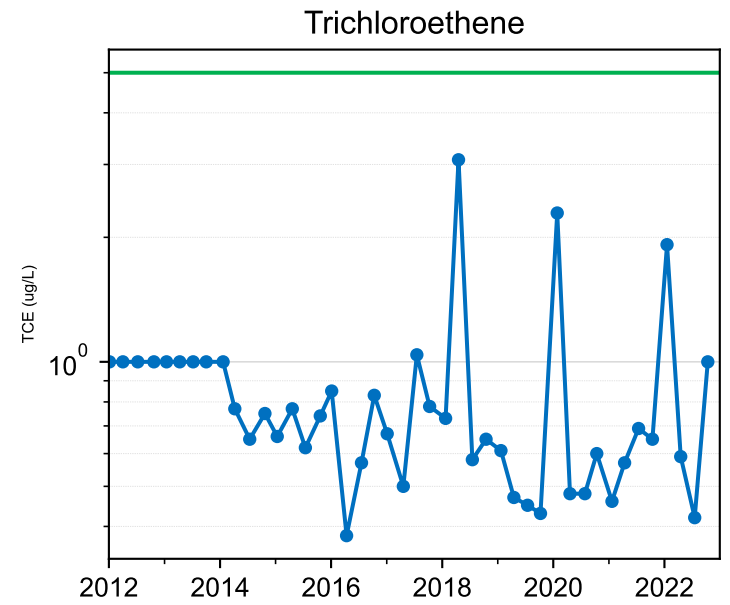
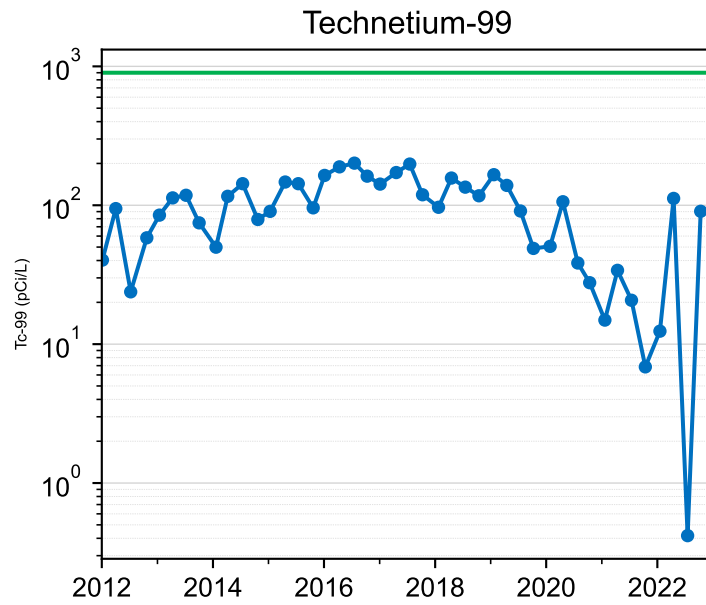
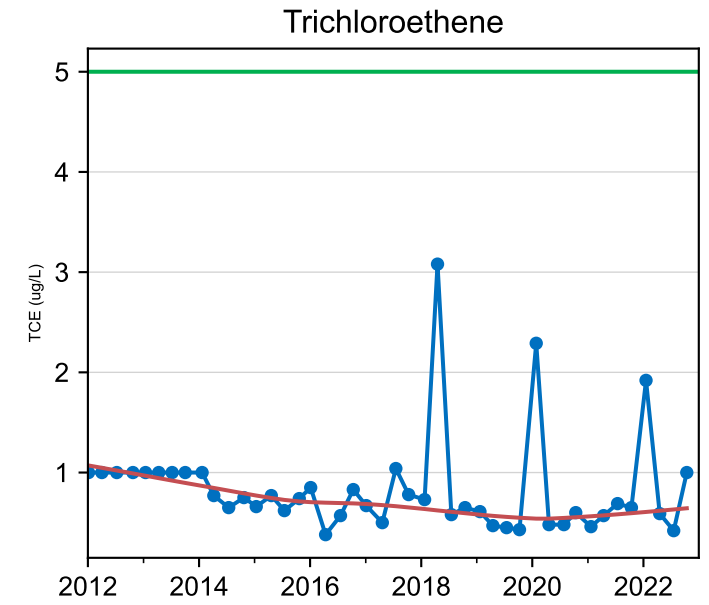
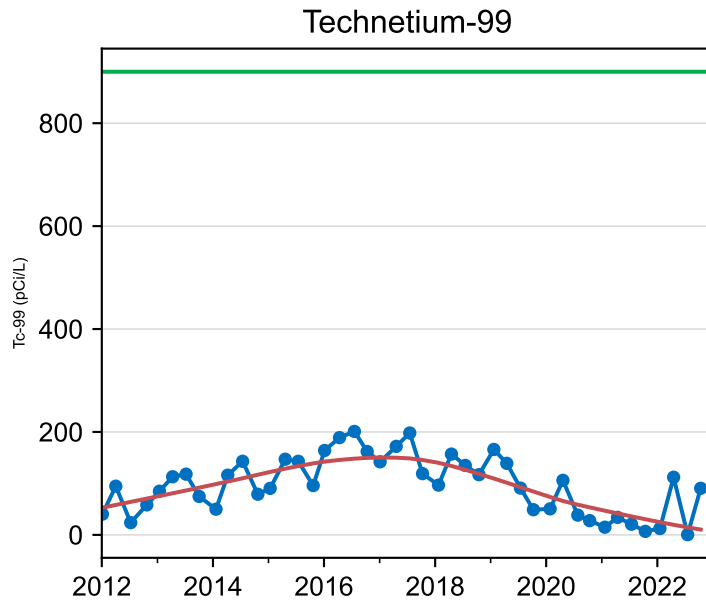
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 97. Tc-99 and TCE at MW387 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/05/2012	40.3	1.0 U
04/02/2012	94.6	1.0 U
07/09/2012	23.8	1.0 U
10/23/2012	58.3	1.0 U
01/14/2013	84.9	1.0 U
04/11/2013	113.0	1.0 U
07/08/2013	118.0	1.0 U
10/02/2013	74.7	1.0 U
01/21/2014	49.9	1.0 U
04/08/2014	116.0	0.77 J
07/15/2014	143.0	0.65 J
10/23/2014	79.0	0.75 J
01/12/2015	90.4	0.66 J
04/21/2015	147.0	0.77 J
07/16/2015	143.0	0.62 J
10/22/2015	95.8	0.74 J
01/05/2016	164.0	0.85 J
04/12/2016	189.0	0.38 J
07/19/2016	201.0	0.57 J
10/11/2016	162.0	0.83 J
01/04/2017	142.0	0.67 J
04/20/2017	172.0	0.5 J
07/18/2017	198.0	1.04
10/10/2017	119.0	0.78 J
01/23/2018	96.7	0.73 J
04/18/2018	157.0	3.08
07/18/2018	135.0	0.58 J
10/16/2018	117.0	0.65 J
01/22/2019	166.0	0.61 J
04/17/2019	139.0	0.47 J
07/16/2019	90.9	0.45 J
10/09/2019	48.9	0.43 J
01/27/2020	50.6	2.29
04/20/2020	106.0	0.48 J
07/27/2020	38.4	0.48 J
10/13/2020	27.7	0.6 J
01/21/2021	14.9 U	0.46 J
04/14/2021	34.0	0.57 J
07/15/2021	20.7	0.69 J
10/14/2021	6.86 U	0.65 J
01/18/2022	12.4 U	1.92
04/18/2022	112.0	0.59 J
07/19/2022	0.418 U	0.42 J
10/13/2022	90.5	1.0 U



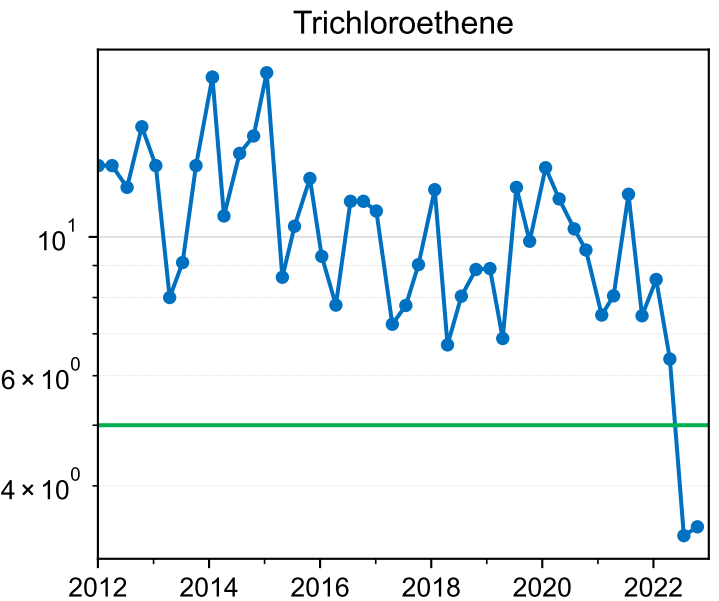
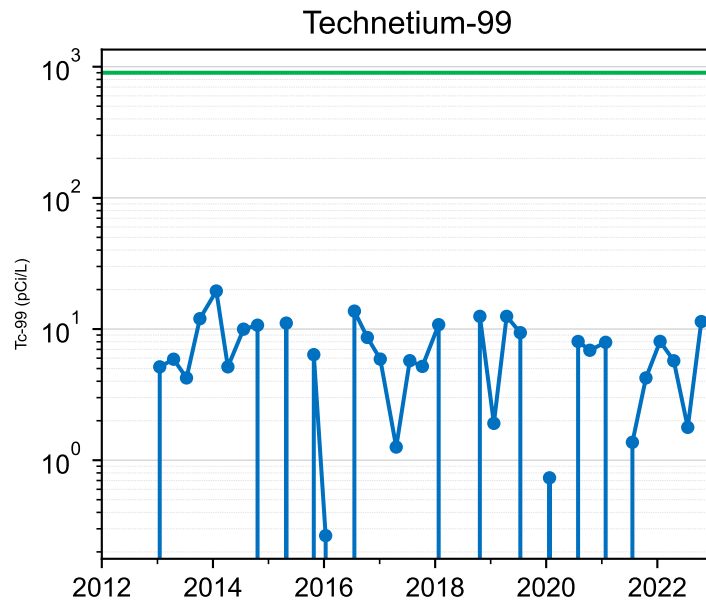
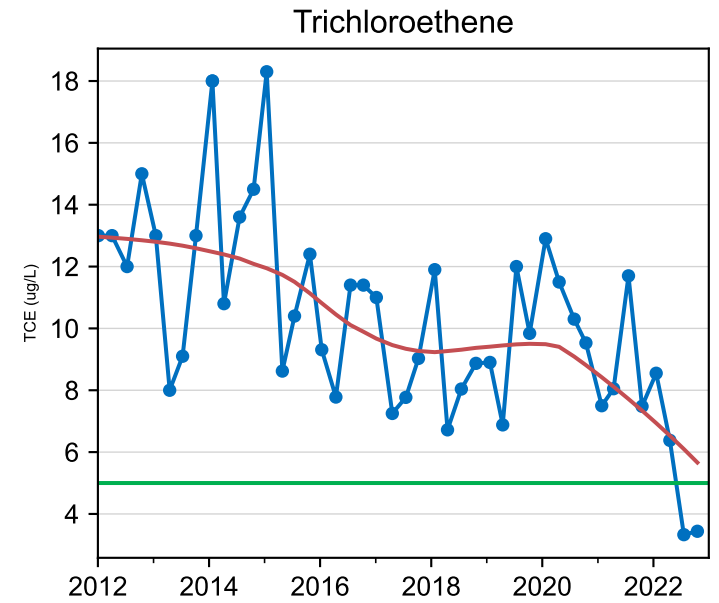
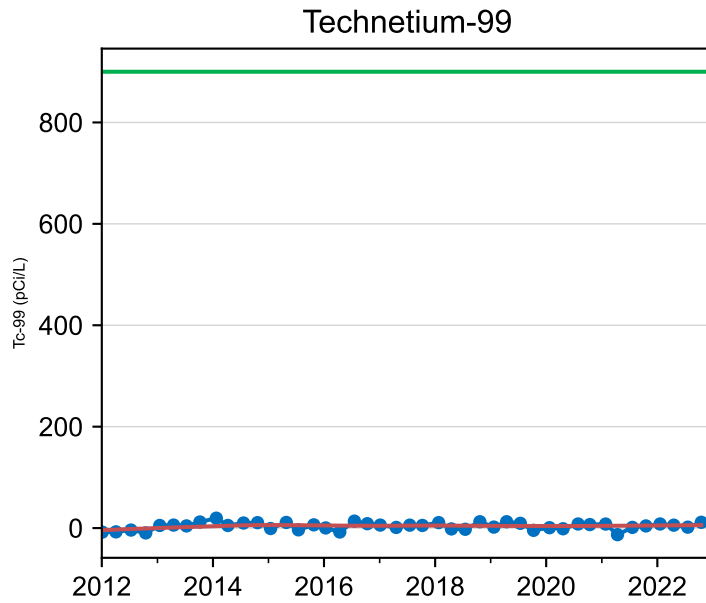
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 98. Tc-99 and TCE at MW388 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/04/2012	-8.03 U	13.0
04/03/2012	-7.46 U	13.0 J
07/11/2012	-3.9 U	12.0
10/16/2012	-9.57 U	15.0
01/16/2013	5.15 U	13.0
04/17/2013	5.89 U	8.0 J
07/11/2013	4.24 U	9.1
10/07/2013	12.0 U	13.0
01/23/2014	19.5	18.0
04/09/2014	5.15 U	10.8
07/21/2014	9.98 U	13.6
10/21/2014	10.7 U	14.5
01/15/2015	-0.905 U	18.3
04/28/2015	11.1 U	8.62
07/17/2015	-3.47 U	10.4
10/26/2015	6.38 U	12.4
01/12/2016	0.266 U	9.31
04/14/2016	-7.72 U	7.78
07/19/2016	13.7 U	11.4
10/12/2016	8.63 U	11.4
01/05/2017	5.9 U	11.0
04/20/2017	1.26 U	7.25
07/18/2017	5.74 U	7.77
10/09/2017	5.19 U	9.03
01/24/2018	10.8 U	11.9
04/18/2018	-1.67 U	6.72
07/18/2018	-2.39 U	8.04
10/22/2018	12.5 U	8.87
01/22/2019	1.91 U	8.9
04/16/2019	12.5 U	6.88
07/15/2019	9.38 U	12.0
10/10/2019	-4.45 U	9.84
01/23/2020	0.734 U	12.9
04/21/2020	-1.36 U	11.5
07/29/2020	8.04 U	10.3
10/14/2020	6.89 U	9.53
01/26/2021	7.92 U	7.5
04/14/2021	-13.0 U	8.05
07/21/2021	1.37 U	11.7
10/18/2021	4.24 U	7.48
01/19/2022	8.05 U	8.55
04/19/2022	5.73 U	6.38
07/20/2022	1.78 U	3.33
10/17/2022	11.4 U	3.44



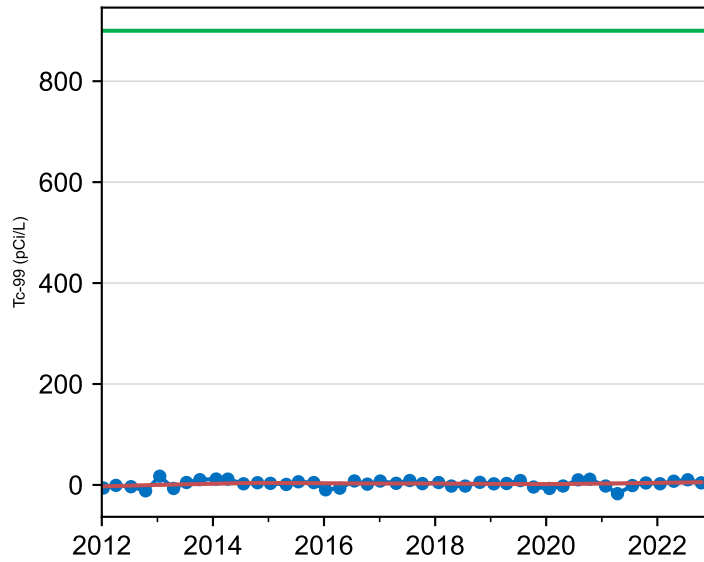
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
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● Data
 — LOWESS
 — MCLs

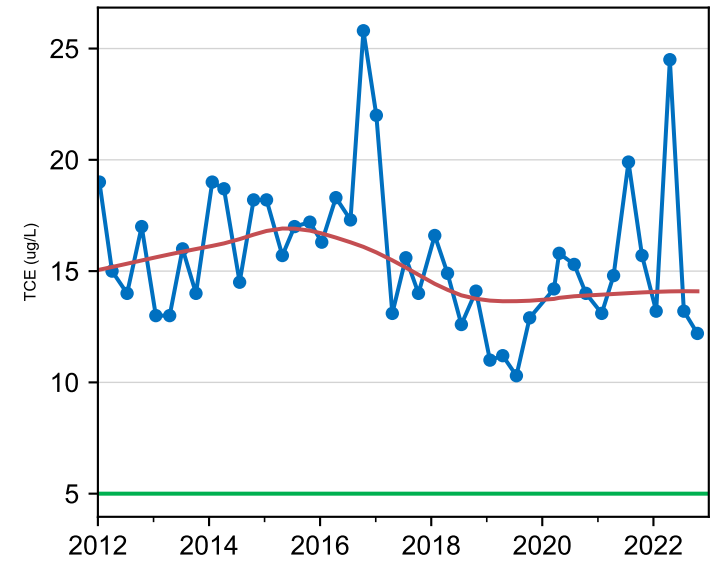
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Figure 99. Tc-99 and TCE at MW391 (MRGA)

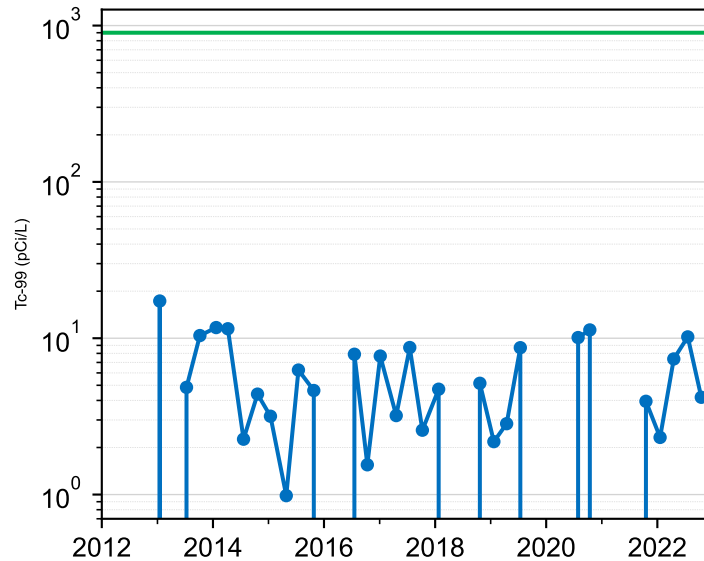
Technetium-99



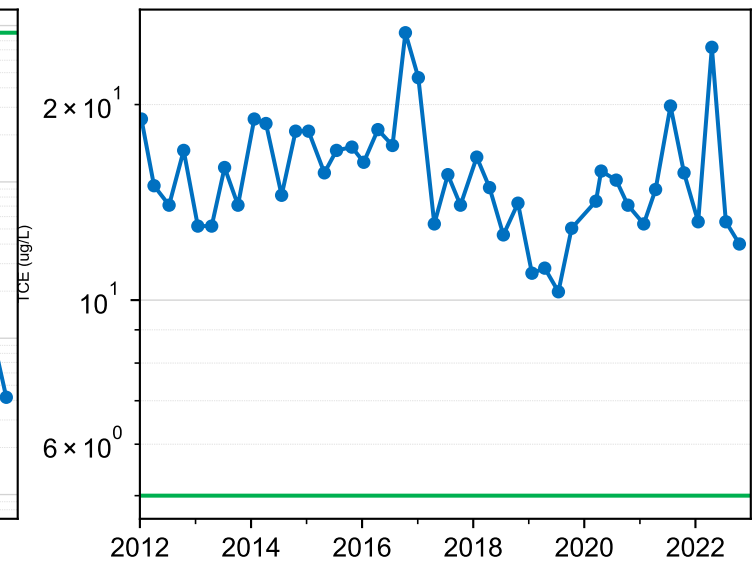
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/11/2012	-6.09 U	19.0
04/03/2012	-0.913 U	15.0 J
07/11/2012	-3.51 U	14.0
10/15/2012	-11.6 U	17.0
01/16/2013	17.3	13.0
04/17/2013	-7.0 U	13.0 J
07/11/2013	4.85 U	16.0
10/07/2013	10.4 U	14.0
01/22/2014	11.7 U	19.0
04/09/2014	11.5 U	18.7
07/21/2014	2.26 U	14.5
10/21/2014	4.39 U	18.2
01/14/2015	3.17 U	18.2
04/28/2015	0.984 U	15.7
07/17/2015	6.26 U	17.0
10/28/2015	4.63 U	17.2
01/12/2016	-9.7 U	16.3
04/14/2016	-6.38 U	18.3
07/19/2016	7.9 U	17.3
10/12/2016	1.55 U	25.8
01/05/2017	7.69 U	22.0
04/20/2017	3.2 U	13.1
07/18/2017	8.72 U	15.6
10/09/2017	2.58 U	14.0
01/24/2018	4.72 U	16.6
04/18/2018	-2.23 U	14.9
07/18/2018	-2.24 U	12.6
10/22/2018	5.15 U	14.1
01/22/2019	2.18 U	11.0
04/16/2019	2.84 U	11.2
07/15/2019	8.7 U	10.3
10/10/2019	-4.15 U	12.9
01/23/2020	-6.96 U	
03/18/2020		14.2
04/21/2020	-2.16 U	15.8
07/29/2020	10.1 U	15.3
10/14/2020	11.3 U	14.0
01/26/2021	-2.19 U	13.1
04/14/2021	-17.3 U	14.8
07/21/2021	-1.23 U	19.9
10/18/2021	3.95 U	15.7
01/19/2022	2.32 U	13.2
04/19/2022	7.37 U	24.5
07/20/2022	10.2 U	13.2
10/17/2022	4.19 U	12.2

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

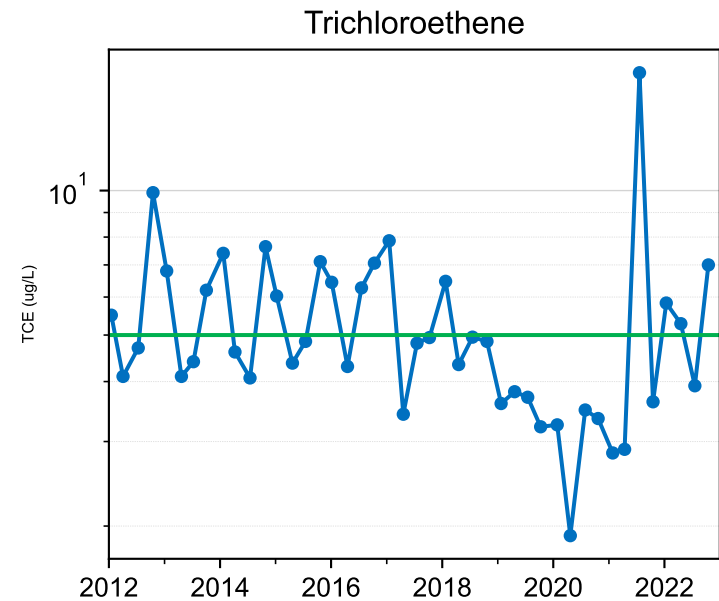
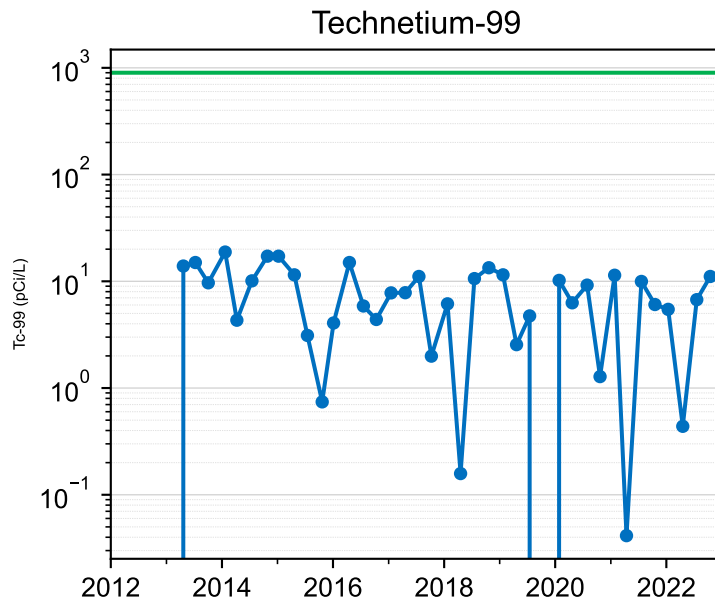
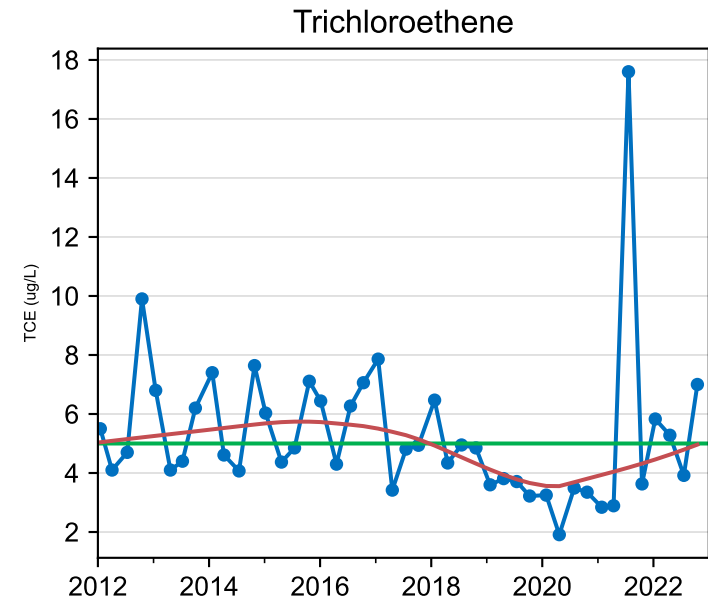
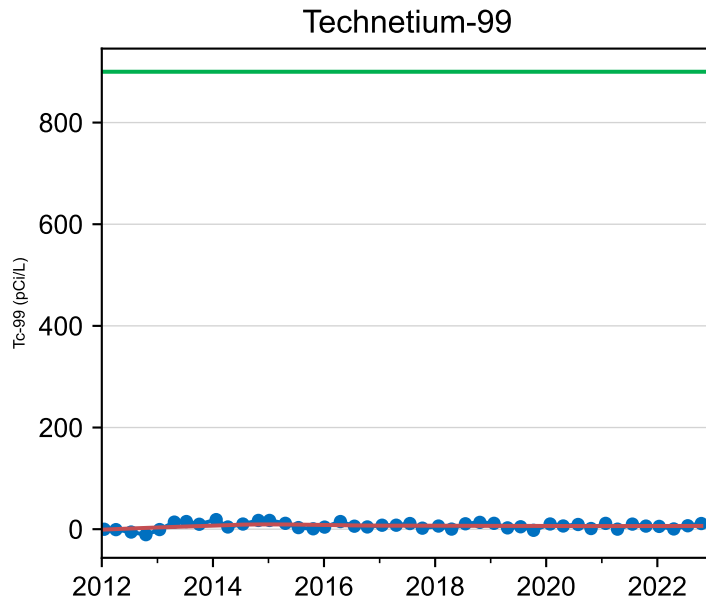
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Figure 100. Tc-99 and TCE at MW392 (LRGA)

Source: Trend_Plots_V1.ipynb

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/17/2012	-0.158 U	5.5 J
04/03/2012	-0.887 U	4.1 J
07/12/2012	-5.65 U	4.7
10/17/2012	-10.8 U	9.9
01/15/2013	-0.751 U	6.8
04/22/2013	13.9 U	4.1 J
07/10/2013	15.0 U	4.4
10/03/2013	9.68 U	6.2
01/22/2014	18.8	7.4
04/09/2014	4.32 U	4.61
07/17/2014	10.1 U	4.07
10/27/2014	17.2 U	7.64
01/08/2015	17.2 U	6.03
04/22/2015	11.5 U	4.37
07/17/2015	3.11 U	4.85
10/22/2015	0.742 U	7.11
01/05/2016	4.07 U	6.44
04/18/2016	15.0 U	4.3
07/19/2016	5.87 U	6.27
10/12/2016	4.39 U	7.06
01/17/2017	7.79 U	7.86
04/20/2017	7.82 U	3.42
07/19/2017	11.1 U	4.81
10/09/2017	1.99 U	4.94
01/23/2018	6.15 U	6.47
04/19/2018	0.158 U	4.34
07/19/2018	10.6 U	4.95
10/22/2018	13.4 U	4.85
01/23/2019	11.5 U	3.6
04/22/2019	2.55 U	3.81
07/17/2019	4.74 U	3.71 J
10/10/2019	-2.22 U	3.22
01/27/2020	10.2 U	3.25
04/22/2020	6.29 U	1.91
07/29/2020	9.21 U	3.49
10/22/2020	1.28 U	3.35
01/26/2021	11.4 U	2.84
04/14/2021	0.0414 U	2.89
07/21/2021	9.97 U	17.6
10/18/2021	6.06 U	3.63
01/13/2022	5.46 U	5.83
04/19/2022	0.438 U	5.28
07/20/2022	6.73 U	3.92
10/17/2022	11.1 U	7.0



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

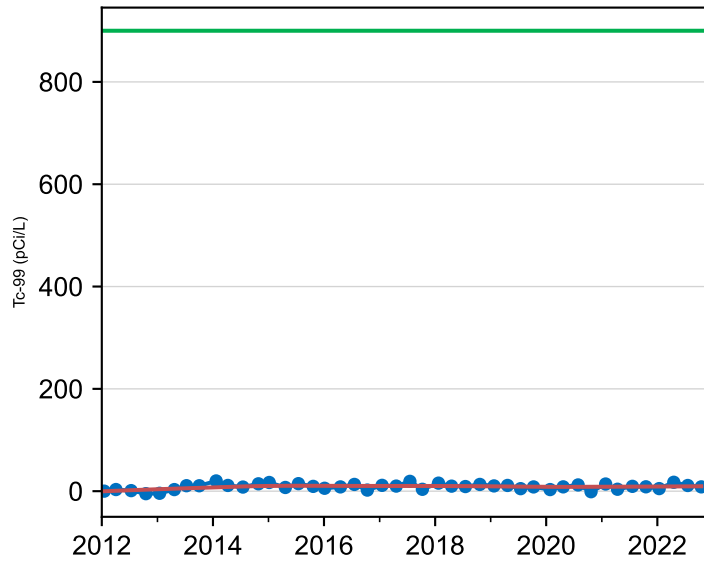
● Data
— LOWESS
— MCLs

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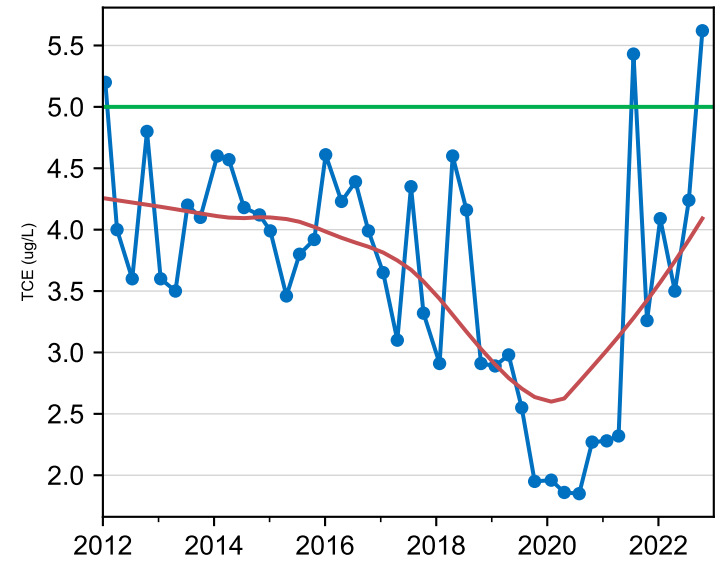
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Figure 101. Tc-99 and TCE at MW394 (URGA)

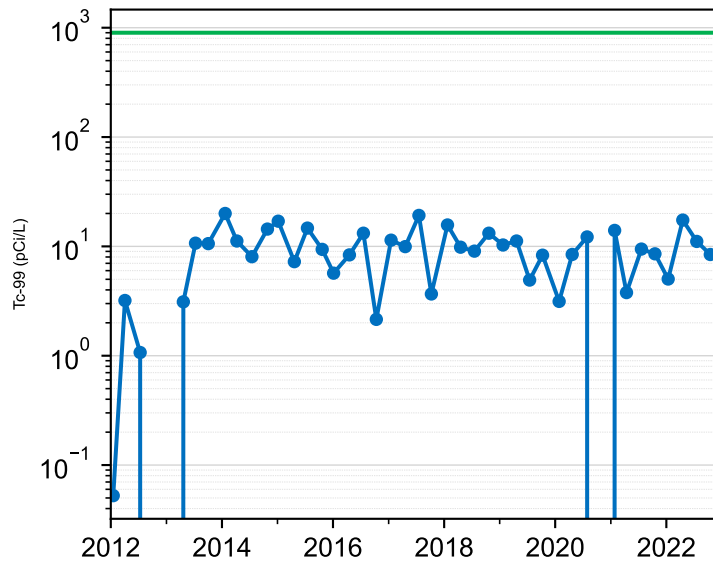
Technetium-99



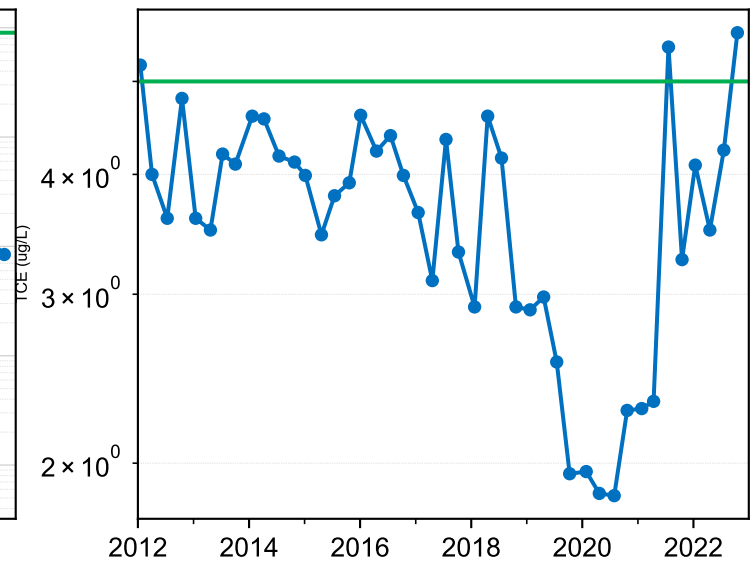
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/17/2012	0.0525 U	5.2 J
04/03/2012	3.2 U	4.0 J
07/12/2012	1.07 U	3.6
10/17/2012	-4.87 U	4.8
01/15/2013	-4.1 U	3.6
04/22/2013	3.11 U	3.5 J
07/11/2013	10.7 U	4.2
10/03/2013	10.6 U	4.1
01/22/2014	20.0	4.6
04/09/2014	11.2 U	4.57
07/17/2014	8.05 U	4.18
10/27/2014	14.4 U	4.12
01/06/2015	17.0 U	3.99
04/22/2015	7.25 U	3.46
07/17/2015	14.7 U	3.8
10/22/2015	9.39 U	3.92
01/05/2016	5.69 U	4.61
04/18/2016	8.36 U	4.23
07/19/2016	13.2 U	4.39
10/12/2016	2.15 U	3.99
01/17/2017	11.4 U	3.65
04/20/2017	9.95 U	3.1
07/19/2017	19.2	4.35
10/09/2017	3.67 U	3.32
01/23/2018	15.7 U	2.91
04/19/2018	9.83 U	4.6
07/19/2018	9.05 U	4.16
10/22/2018	13.2 U	2.91
01/23/2019	10.3 U	2.89
04/22/2019	11.2 U	2.98
07/17/2019	4.92 U	2.55 J
10/10/2019	8.31 U	1.95
01/27/2020	3.14 U	1.96
04/22/2020	8.44 U	1.86
07/29/2020	12.2 U	1.85
10/22/2020	-1.04 U	2.27
01/26/2021	14.0 U	2.28
04/14/2021	3.78 U	2.32
07/21/2021	9.45 U	5.43
10/18/2021	8.55 U	3.26
01/13/2022	5.03 U	4.09
04/19/2022	17.4 U	3.5
07/20/2022	11.1 U	4.24
10/17/2022	8.43 U	5.62

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

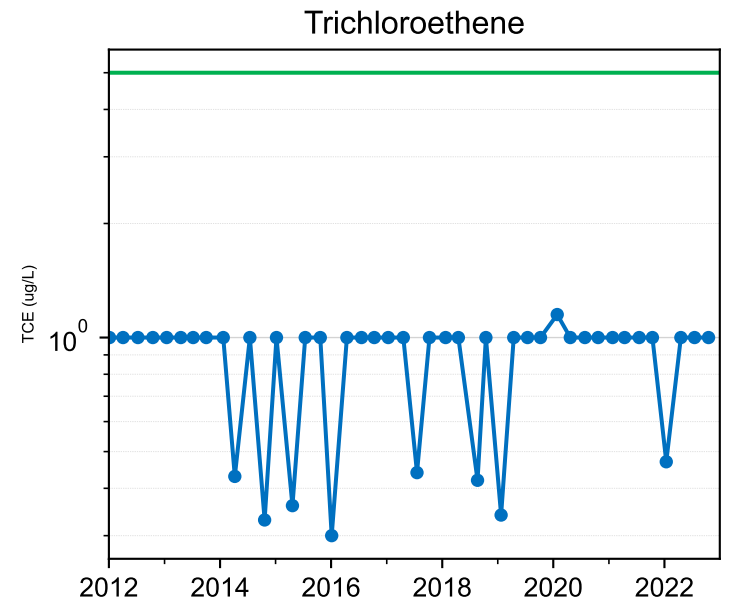
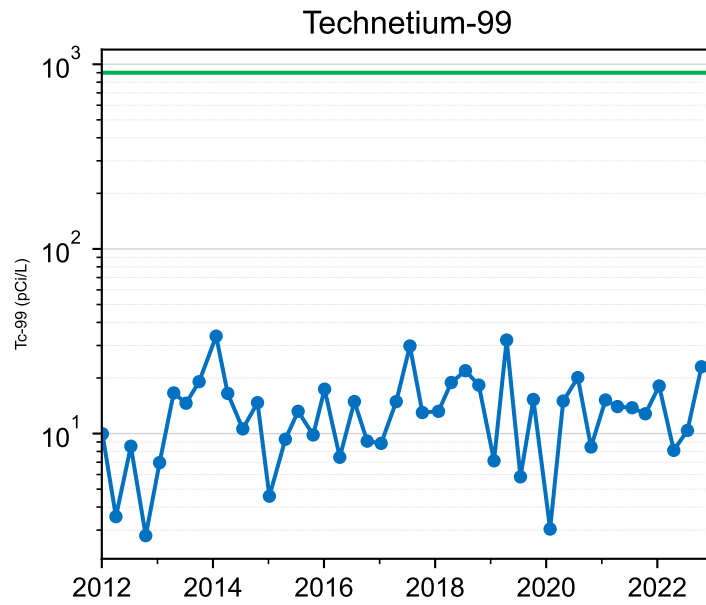
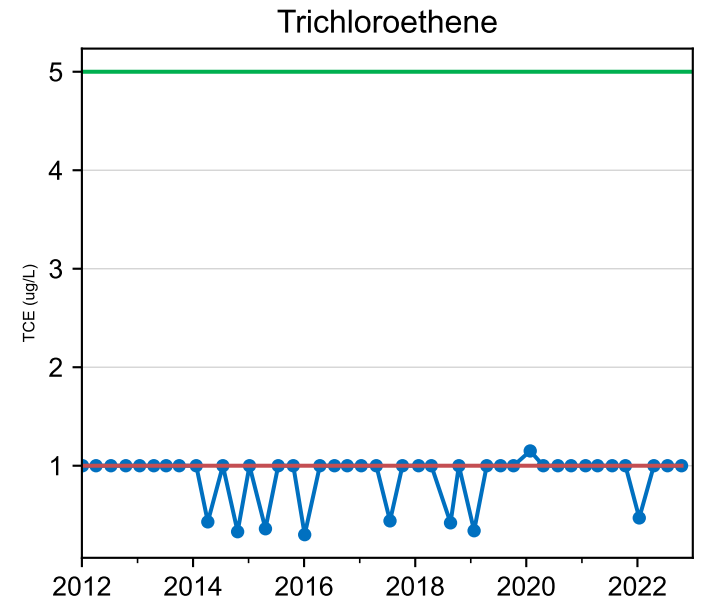
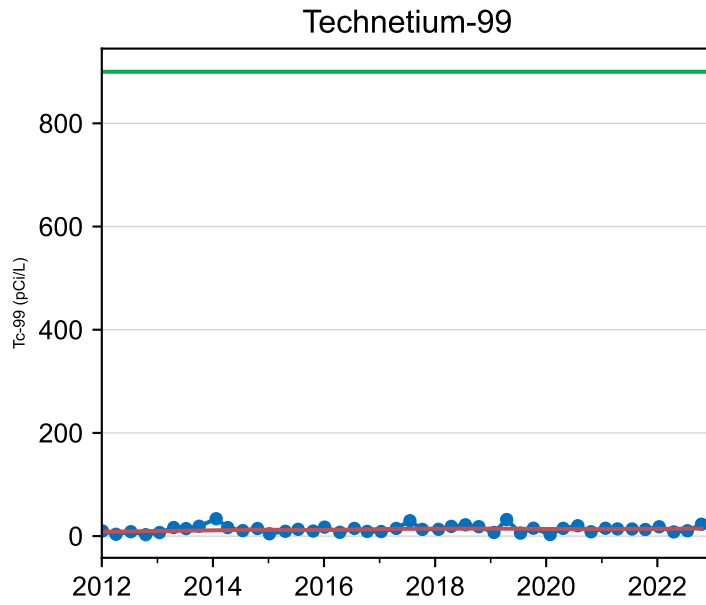
● Data
 — LOWESS
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Figure 102. Tc-99 and TCE at MW395 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/05/2012	9.97 U	1.0 U
04/03/2012	3.55 U	1.0 U
07/10/2012	8.54 U	1.0 U
10/16/2012	2.8 U	1.0 U
01/15/2013	6.96 U	1.0 U
04/18/2013	16.6	1.0 U
07/08/2013	14.6 U	1.0 U
10/02/2013	19.1	1.0 U
01/22/2014	33.7	1.0 U
04/08/2014	16.5 U	0.43 J
07/16/2014	10.6 U	1.0 U
10/21/2014	14.7 U	0.33 J
01/07/2015	4.58 U	1.0 U
04/22/2015	9.32 U	0.36 J
07/15/2015	13.2 U	1.0 U
10/22/2015	9.83 U	1.0 U
01/05/2016	17.4 U	0.3 J
04/14/2016	7.44 U	1.0 U
07/19/2016	14.9 U	1.0 U
10/11/2016	9.1 U	1.0 U
01/11/2017	8.85 U	1.0 U
04/20/2017	14.9 U	1.0 U
07/19/2017	29.8	0.44 J
10/09/2017	13.0 U	1.0 U
01/23/2018	13.2 U	1.0 U
04/17/2018	18.9	1.0 U
07/19/2018	21.9	
08/21/2018		0.42 J
10/15/2018	18.3	1.0 U
01/23/2019	7.12 U	0.34 J
04/16/2019	32.1	1.0 U
07/16/2019	5.83 U	1.0 U
10/09/2019	15.3 U	1.0 U
01/27/2020	3.04 U	1.15
04/22/2020	15.0 U	1.0 U
07/27/2020	20.1 U	1.0 U
10/22/2020	8.46 U	1.0 U
01/25/2021	15.2 U	1.0 U
04/14/2021	14.0 U	1.0 U
07/19/2021	13.8 U	1.0 U
10/14/2021	12.8 U	1.0 U
01/13/2022	18.1 U	0.47 J
04/19/2022	8.11 U	1.0 U
07/18/2022	10.4 U	1.0 U
10/18/2022	23.0	1.0 U



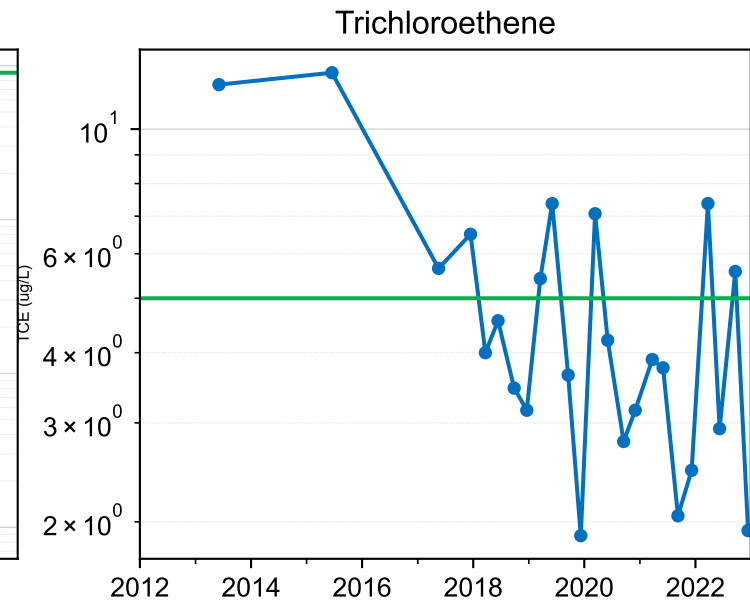
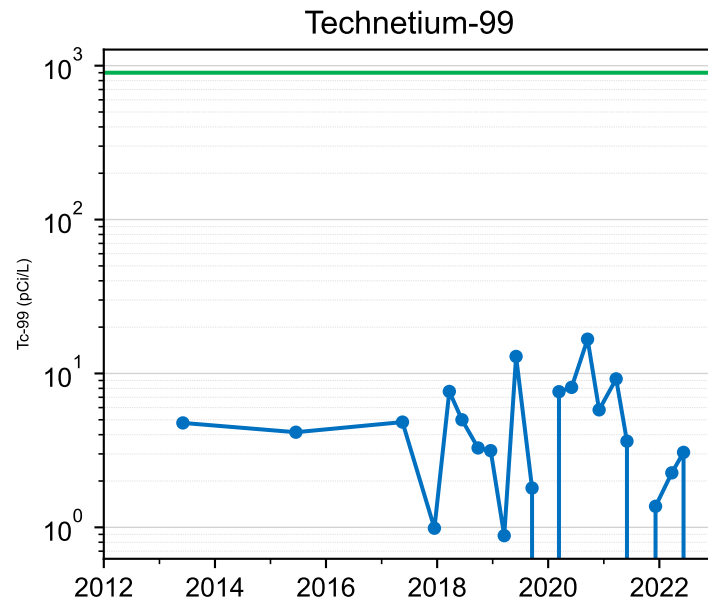
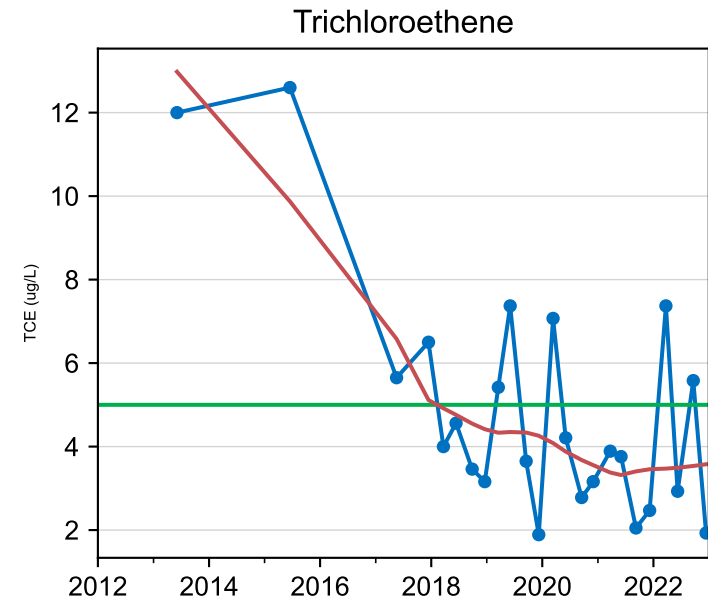
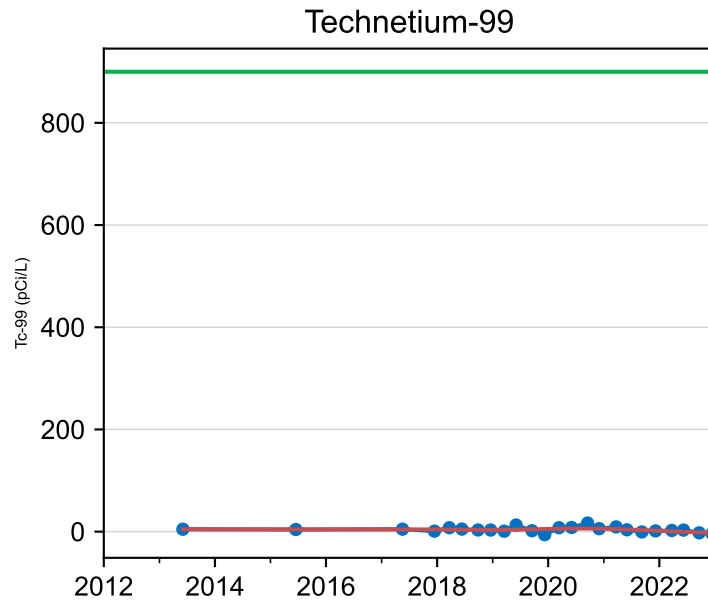
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

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Figure 103. Tc-99 and TCE at MW397 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
06/04/2013	4.77 U	12.0
06/17/2015	4.15 U	12.6
05/18/2017	4.83 U	5.65
12/14/2017	0.987 U	6.5
03/22/2018	7.64 U	4.0
06/13/2018	5.0 U	4.56
09/27/2018	3.28 U	3.46
12/19/2018	3.15 U	3.16
03/18/2019	0.883 U	5.42
06/04/2019	12.9 U	7.37
09/17/2019	1.8 U	3.65
12/09/2019	-5.93 U	1.89
03/12/2020	7.61 U	7.07
06/03/2020	8.12 U	4.21
09/16/2020	16.7 U	2.78
12/01/2020	5.8 U	3.16
03/23/2021	9.22 U	3.89
06/02/2021	3.63 U	3.76
09/08/2021	-0.627 U	2.05
12/07/2021	1.37 U	2.47
03/24/2022	2.26 U	7.37
06/09/2022	3.07 U	2.93
09/20/2022	-2.32 U	5.58
12/13/2022	-3.68 U	1.93



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

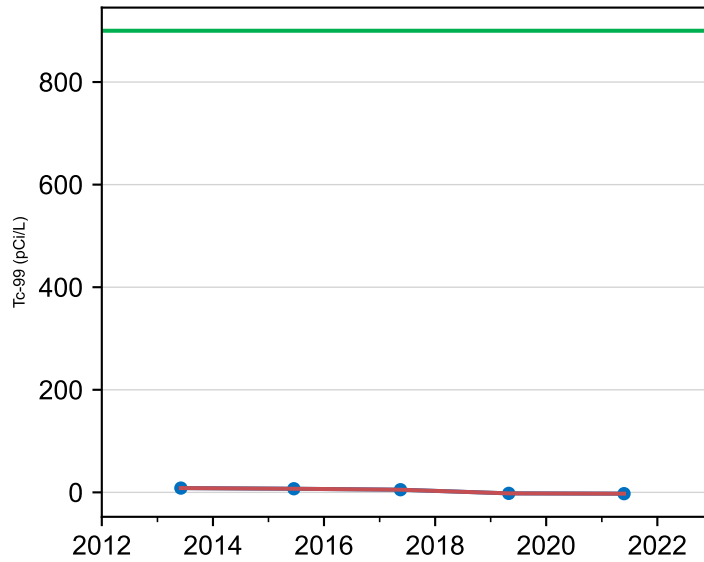
● Data
 — LOWESS
 — MCLs

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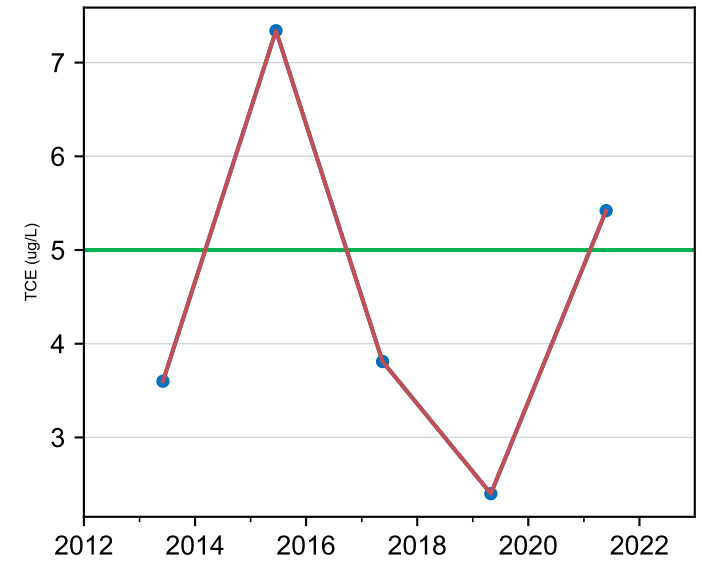
Figure 104. Tc-99 and TCE at MW403-PRT3 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

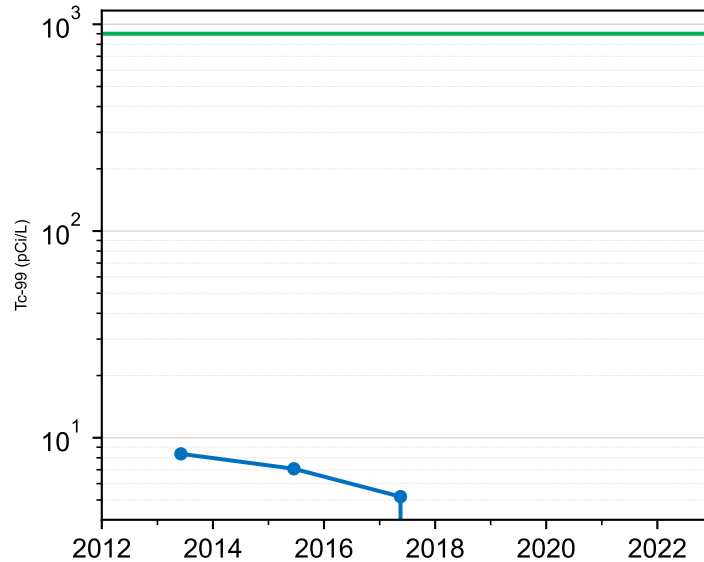
Technetium-99



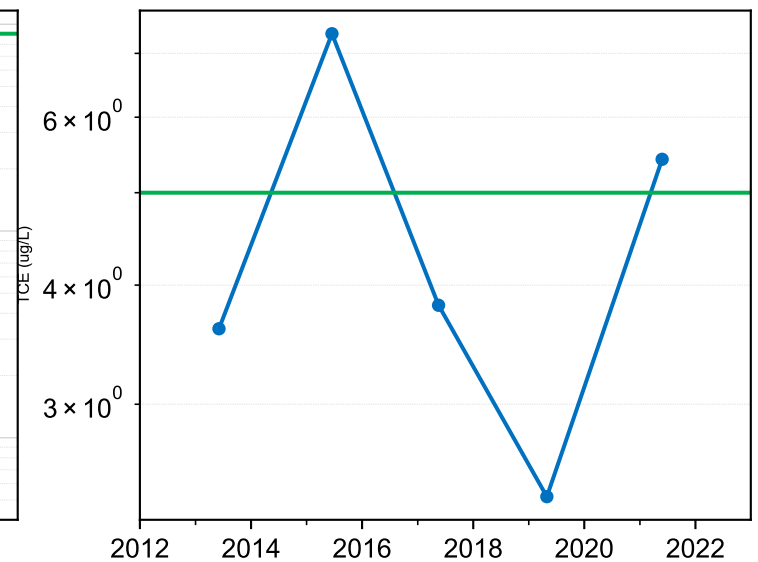
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
06/04/2013	8.36 U	3.6
06/17/2015	7.08 U	7.34
05/18/2017	5.19 U	3.81
04/30/2019	-1.94 U	2.4
05/27/2021	-2.52 U	5.42

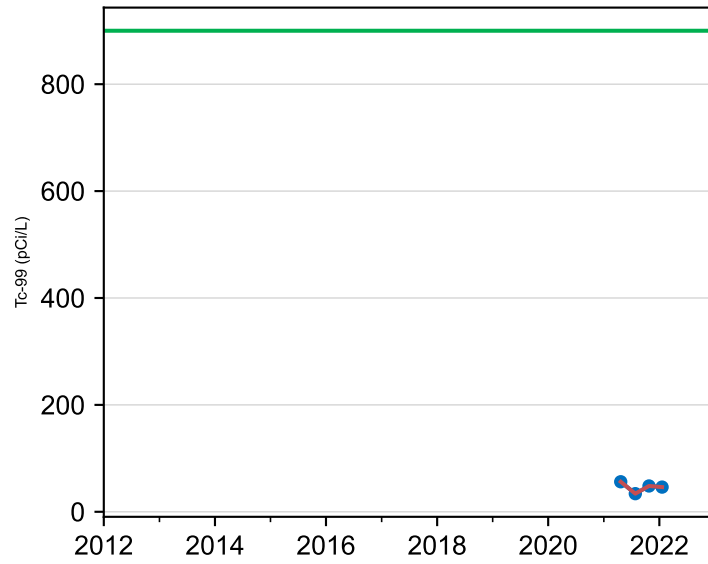
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

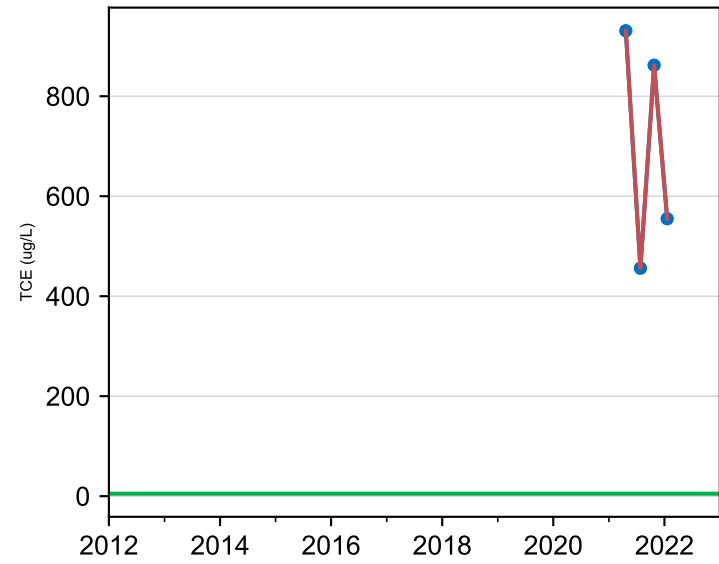
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Figure 105. Tc-99 and TCE at MW404-PRT4 (RGA (Multi-zone))

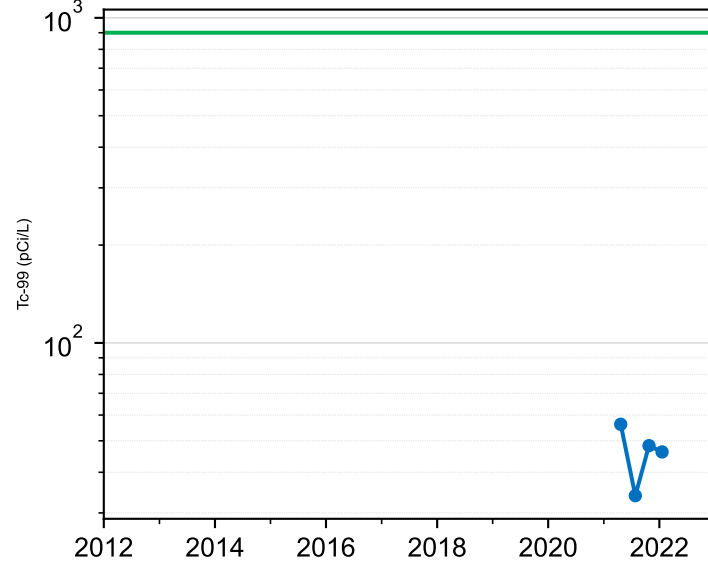
Technetium-99



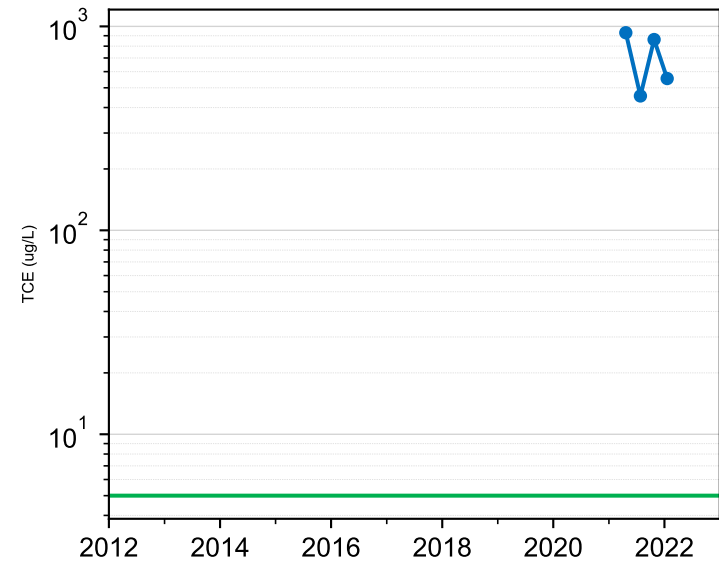
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/22/2021	56.2	931.0
07/27/2021	33.9	456.0
10/25/2021	48.3	862.0
01/19/2022	46.2	555.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

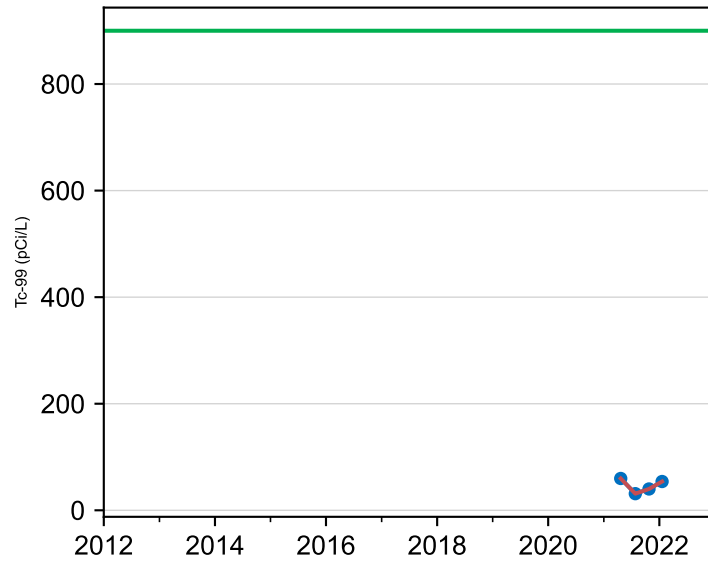
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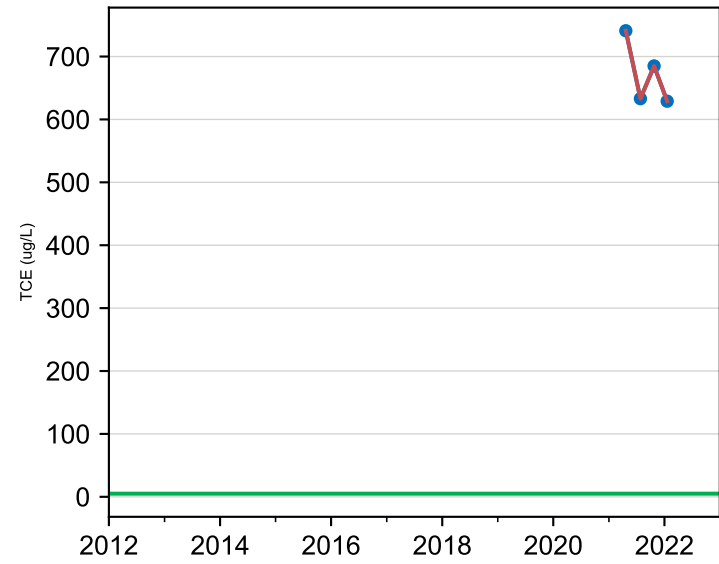
Figure 106. Tc-99 and TCE at MW405-PRT2 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

Technetium-99

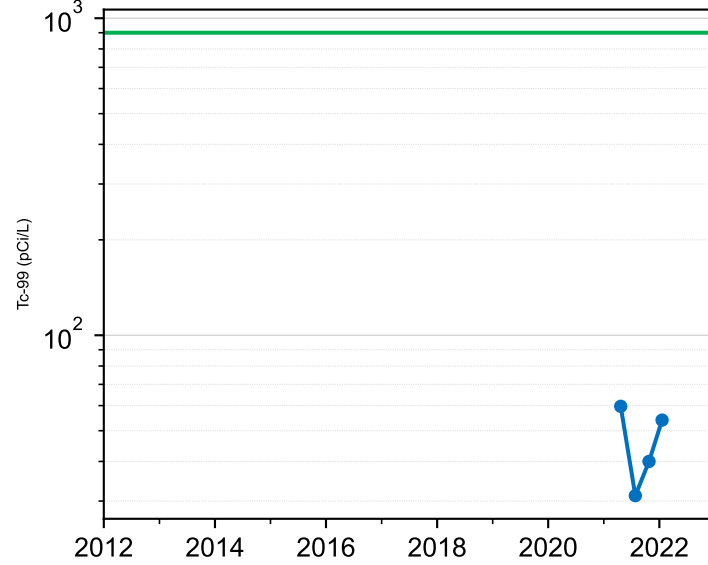


Trichloroethene

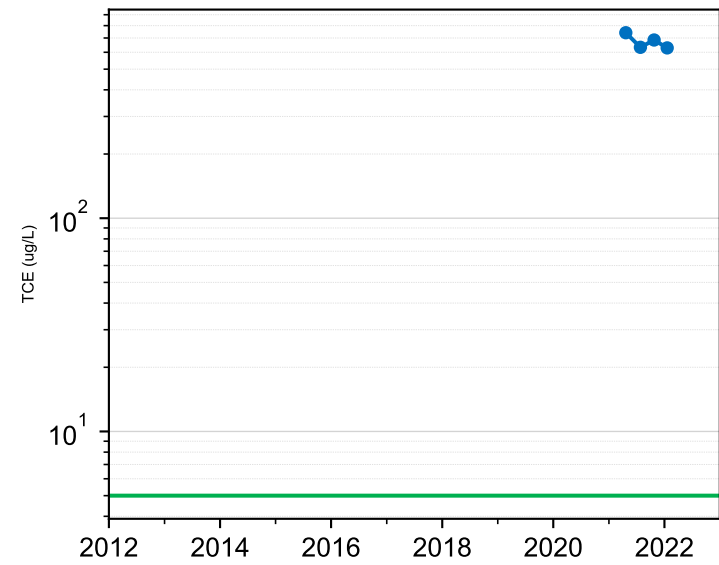


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/22/2021	59.7	741.0
07/27/2021	31.2	633.0
10/25/2021	40.0	685.0
01/19/2022	54.0	629.0

Technetium-99



Trichloroethene



- Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

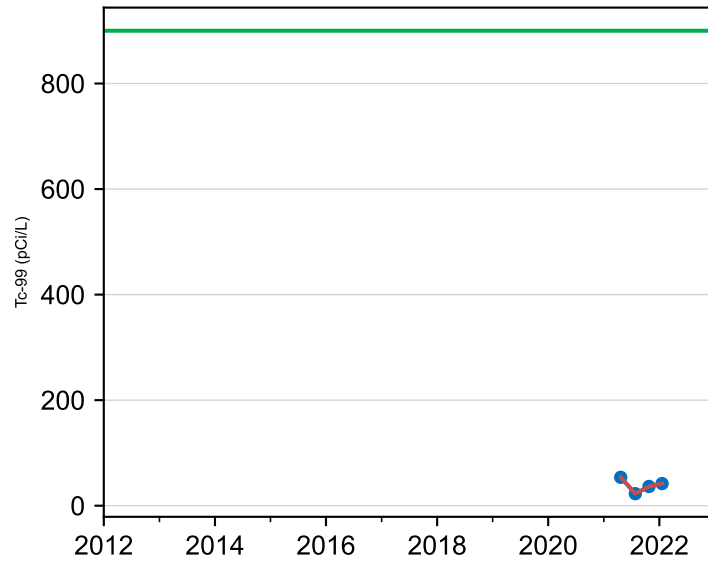
● Data
— LOWESS
— MCLs

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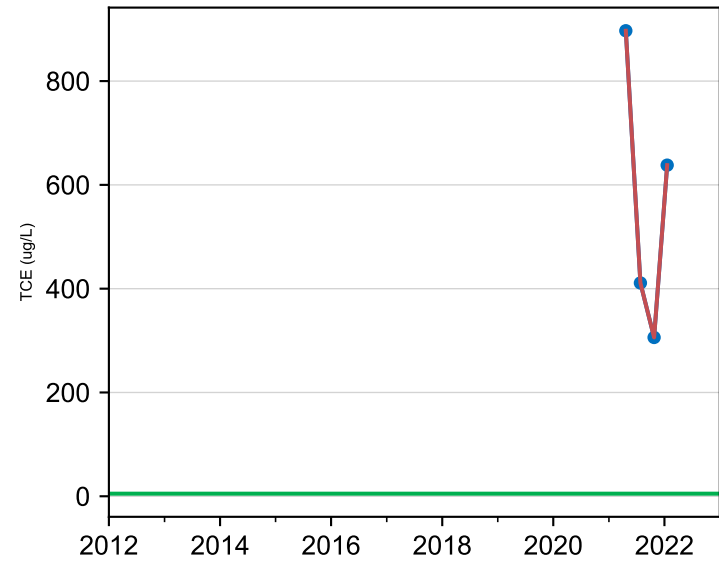
Figure 107. Tc-99 and TCE at MW405-PRT3 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

Technetium-99

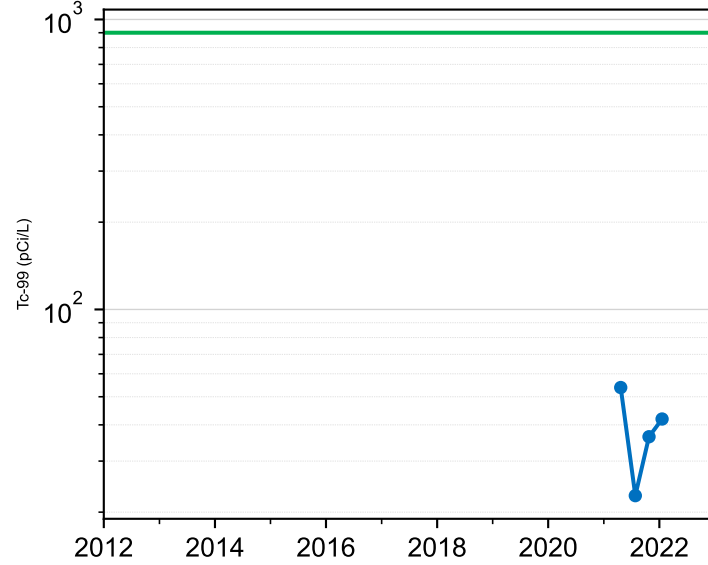


Trichloroethene

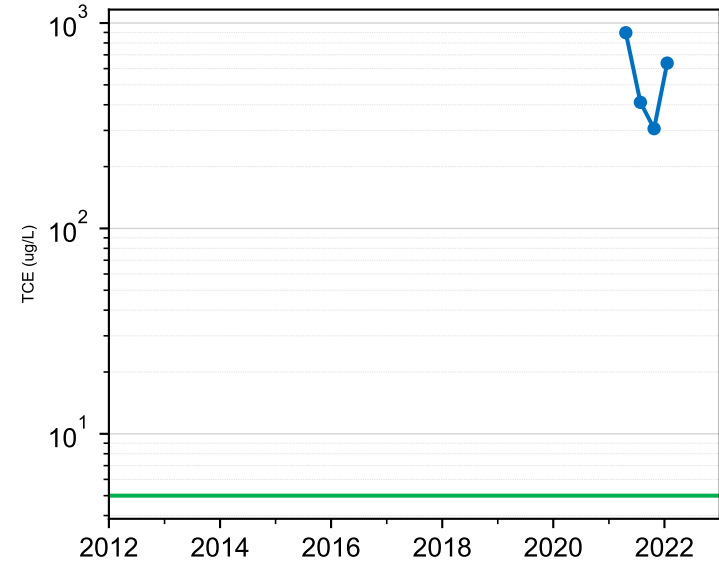


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/22/2021	53.8	897.0
07/27/2021	22.8	411.0
10/25/2021	36.4	306.0
01/19/2022	41.9	638.0

Technetium-99



Trichloroethene



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

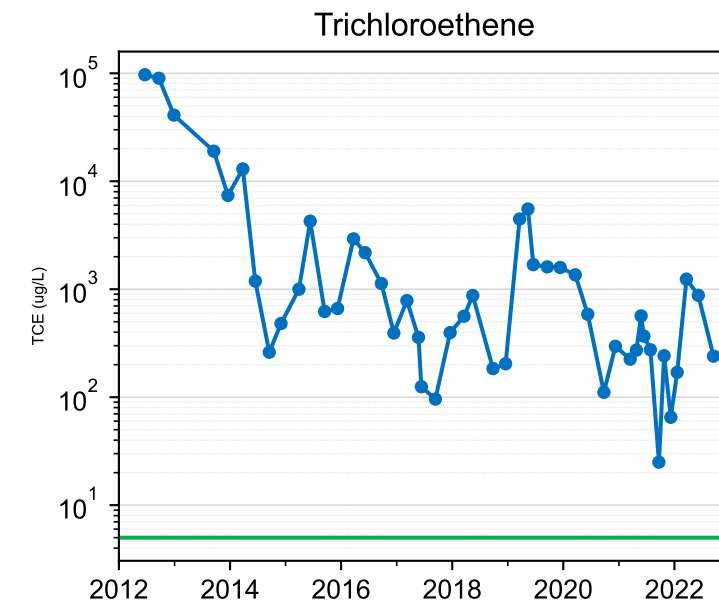
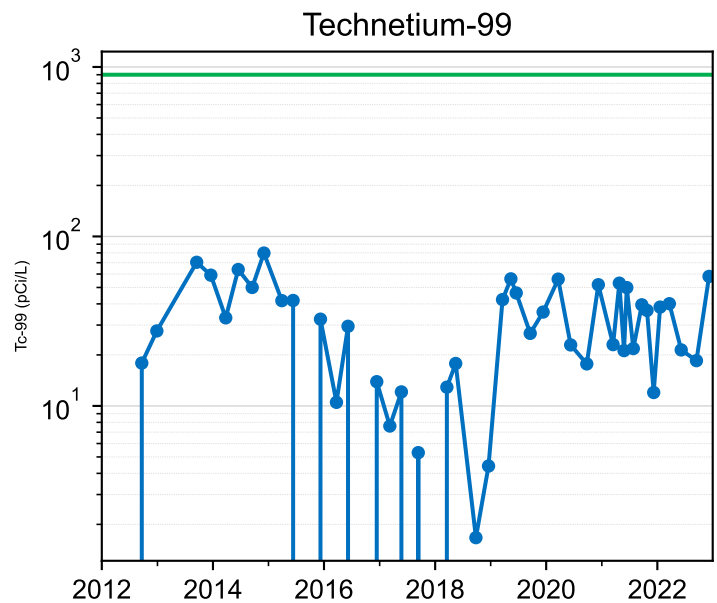
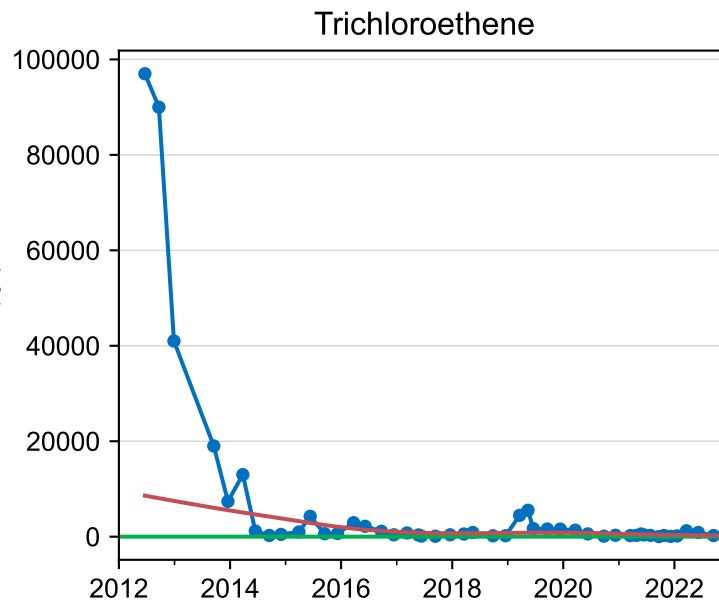
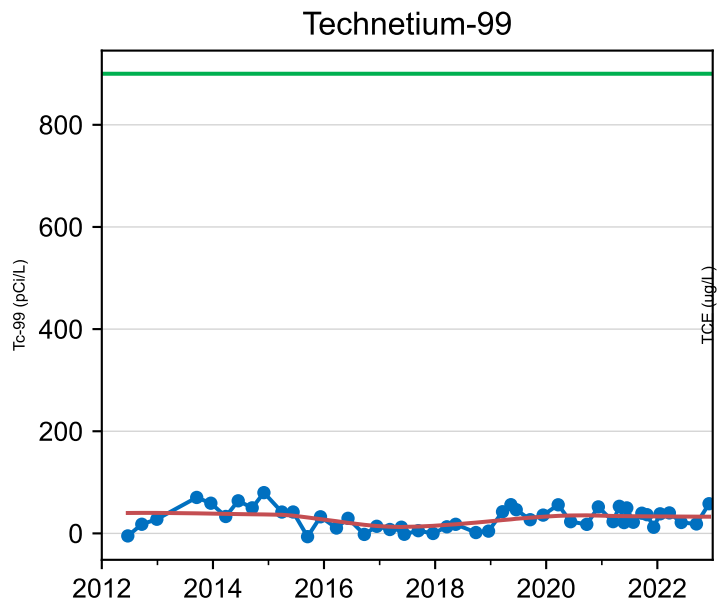
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Figure 108. Tc-99 and TCE at MW405-PRT4 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
06/20/2012	-4.94 U	97000.0
09/20/2012	17.9 U	90000.0
12/28/2012	27.7	41000.0
09/16/2013	70.4	19000.0 J
12/18/2013	59.1	7400.0
03/26/2014	33.1	13000.0
06/16/2014	63.8	1190.0
09/16/2014	50.0	261.0
12/02/2014	79.8	481.0
03/30/2015	41.8	1000.0
06/12/2015	41.9	4270.0
09/15/2015	-6.41 U	622.0
12/09/2015	32.5	663.0
03/23/2016	10.5 U	2930.0
06/07/2016	29.5	2180.0
09/22/2016	-1.98 U	1130.0
12/13/2016	13.9 U	393.0
03/09/2017	7.61 U	784.0
05/24/2017	12.1 U	358.0
06/12/2017	-1.71 U	125.0
09/12/2017	5.3 U	96.0
12/18/2017	-0.144 U	396.0
03/19/2018	12.9 U	562.0
05/16/2018	17.8 U	874.0
09/26/2018	1.67 U	184.0
12/18/2018	4.42 U	204.0
03/20/2019	42.4	4470.0
05/14/2019	56.2	5530.0
06/18/2019	46.4	1690.0
09/18/2019	26.8	1610.0
12/12/2019	35.8	1590.0
03/20/2020	56.0	1360.0
06/10/2020	22.9 U	586.0
09/24/2020	17.7 U	111.0
12/09/2020	51.9	296.0
03/16/2021	23.0	225.0
04/26/2021	53.0	273.0
05/27/2021	21.2 U	566.0 J
06/14/2021	49.9	368.0
07/27/2021	21.8	275.0
09/21/2021	39.5	25.0 J
10/25/2021	36.6	242.0
12/08/2021	12.0 U	65.1
01/19/2022	38.3	170.0
03/21/2022	40.1	1240.0
06/07/2022	21.4	878.0
09/15/2022	18.5	240.0
12/07/2022	58.1	279.0



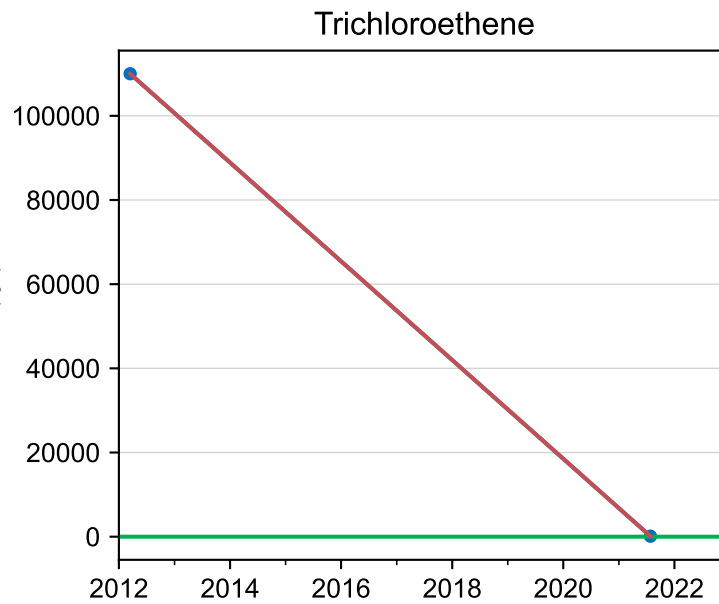
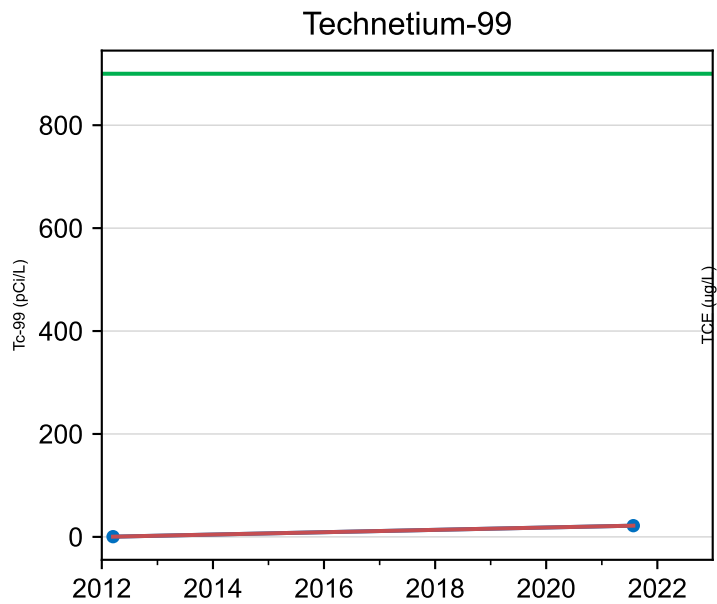
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

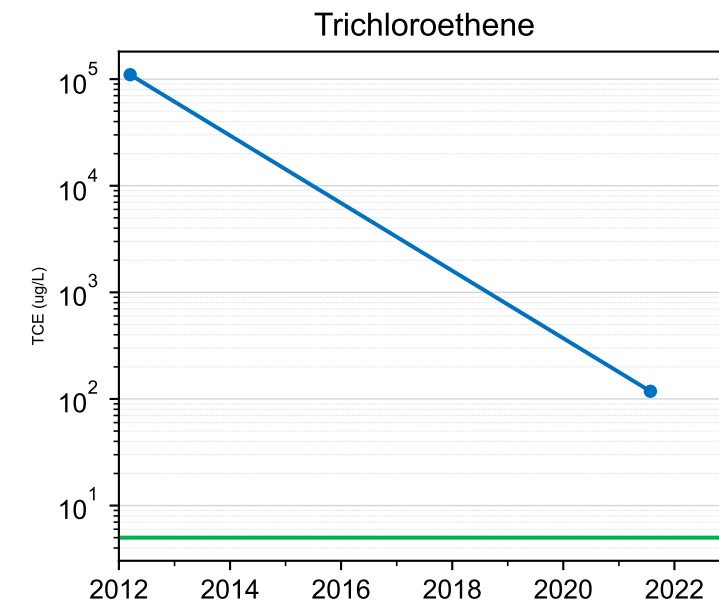
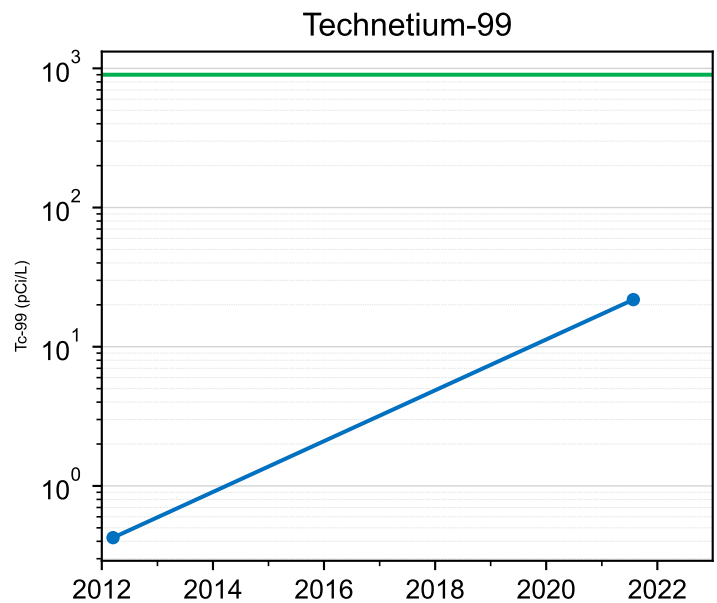
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 PADUCAH GASEOUS DIFFUSION PLANT

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 NUCLEAR PARTNERSHIP, LLC

Figure 109. Tc-99 and TCE at MW405-PRT5 (RGA (Multi-zone))



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/15/2012	0.425 U	110000.0
07/27/2021	21.8	118.0



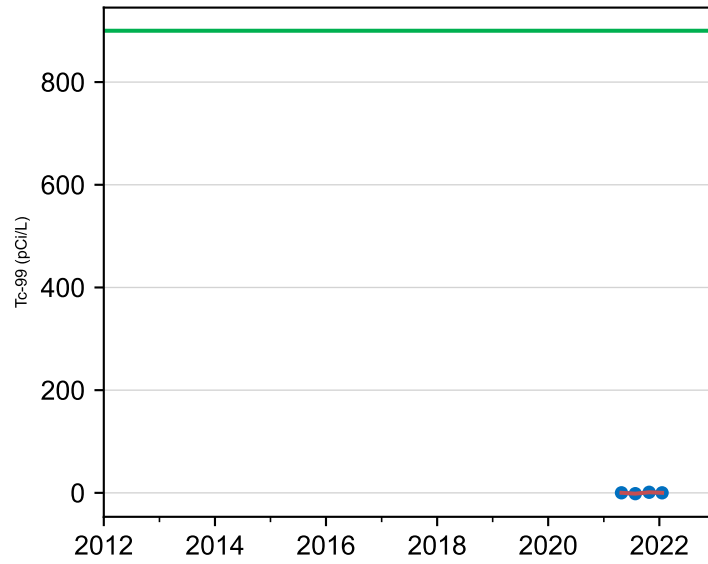
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

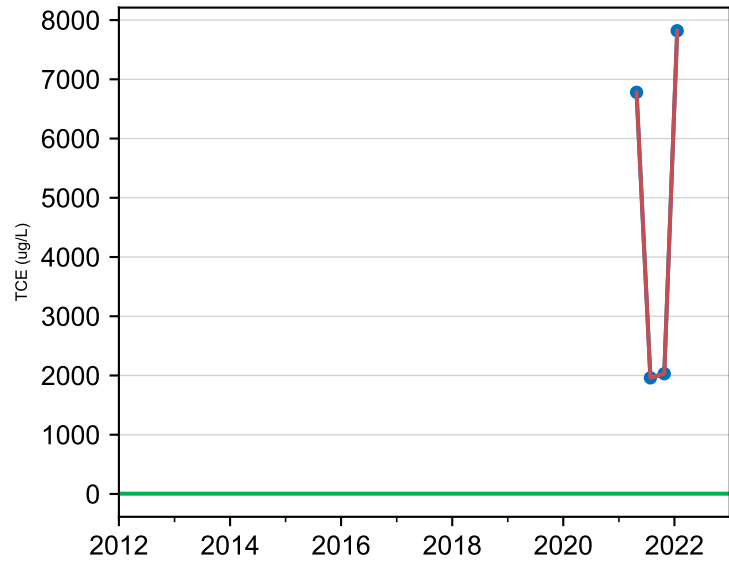
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Figure 110. Tc-99 and TCE at MW405-PRT6 (RGA (Multi-zone))

Technetium-99

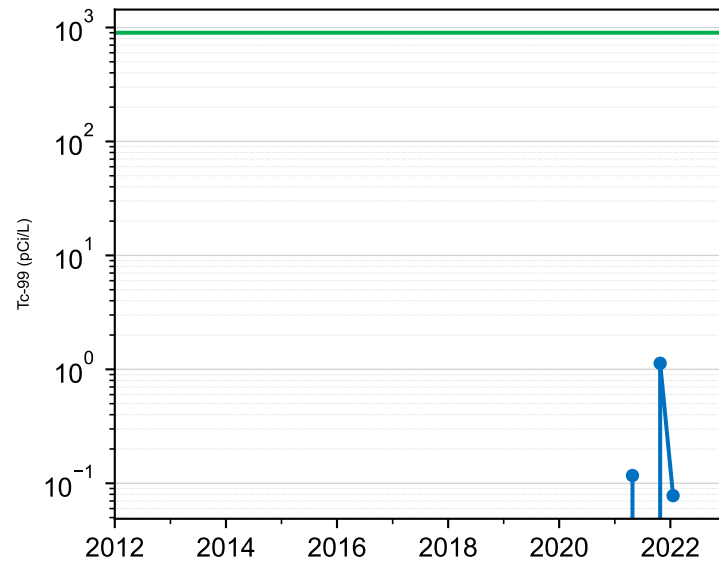


Trichloroethene

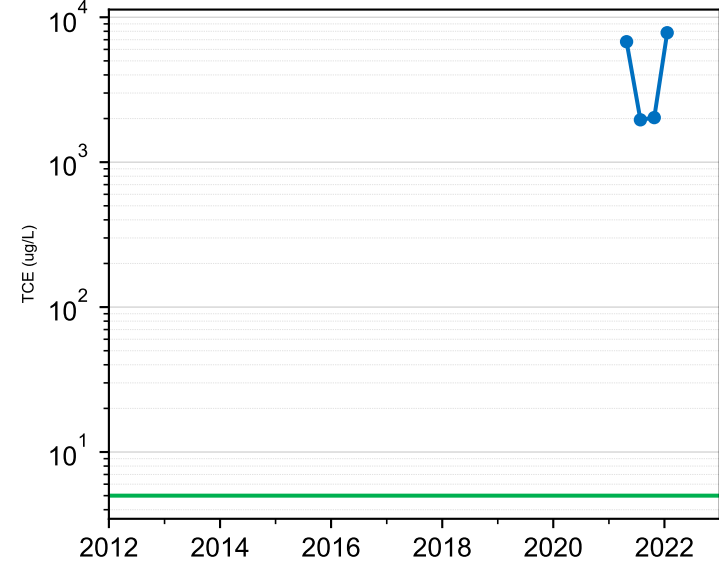


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/27/2021	0.117 U	6780.0
07/27/2021	-1.58 U	1960.0
10/26/2021	1.13 U	2030.0 J
01/19/2022	0.0779 U	7820.0

Technetium-99



Trichloroethene



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

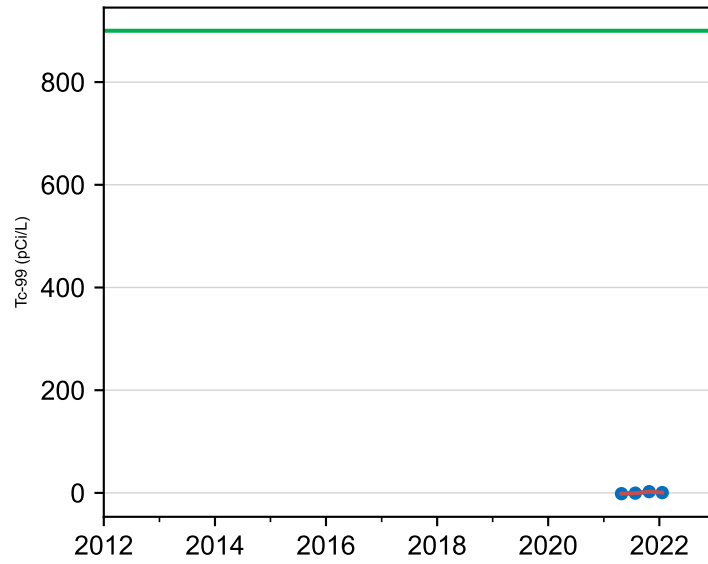
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 PADUCAH GASEOUS DIFFUSION PLANT

FOUR RIVERS
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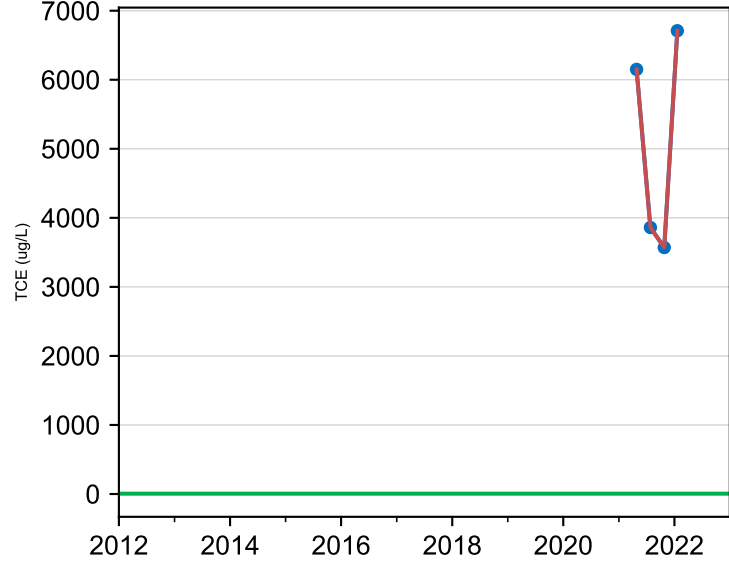
Figure 111. Tc-99 and TCE at MW406-PRT2 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

Technetium-99

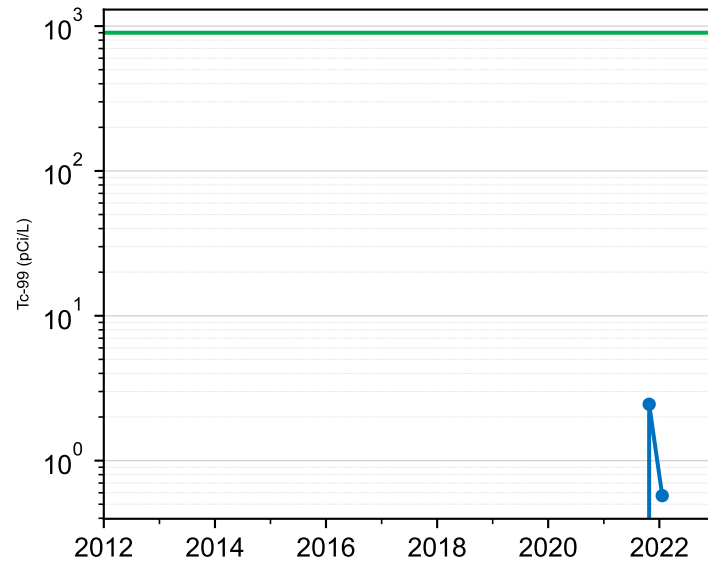


Trichloroethene

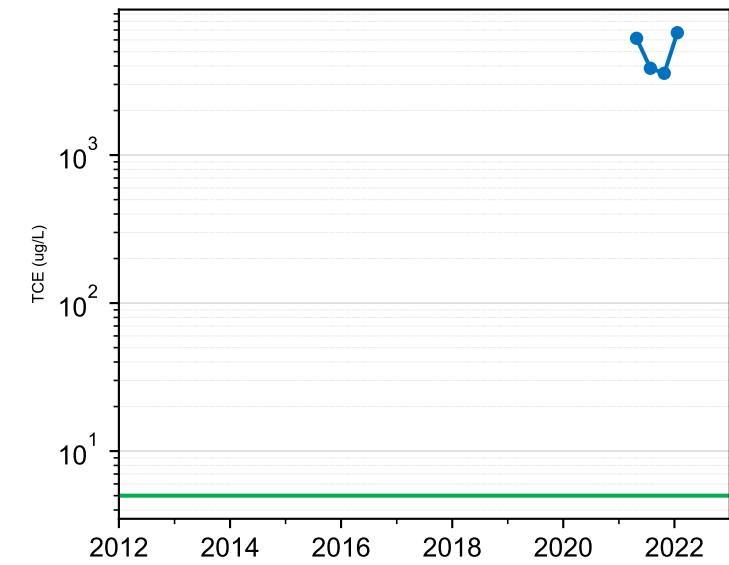


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/27/2021	-1.48 U	6150.0
07/27/2021	-0.453 U	3860.0
10/26/2021	2.45 U	3570.0 J
01/20/2022	0.573 U	6710.0

Technetium-99



Trichloroethene



Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

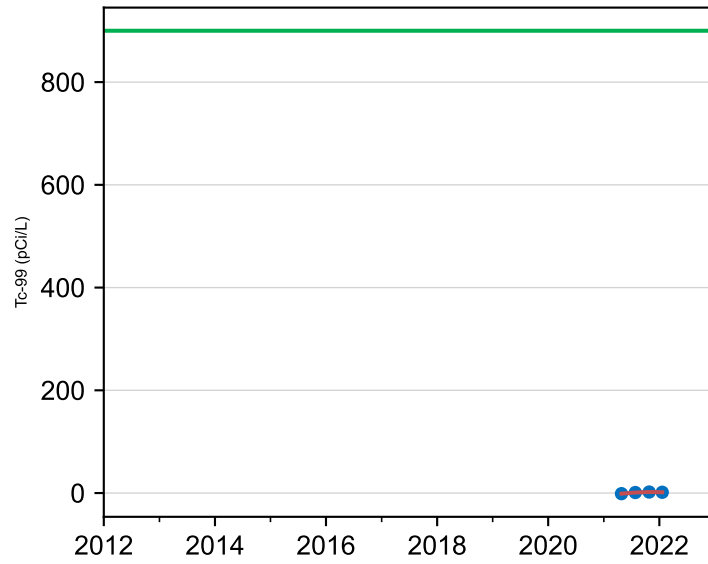
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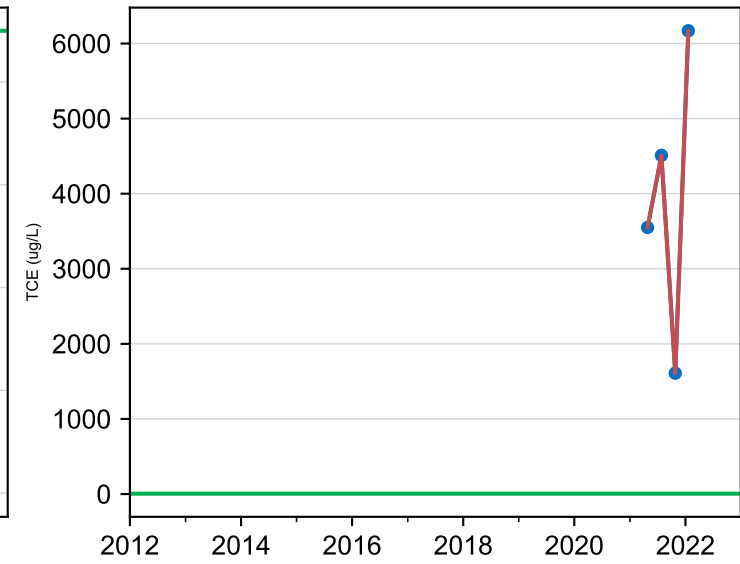
Figure 112. Tc-99 and TCE at MW406-PRT3 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

Technetium-99

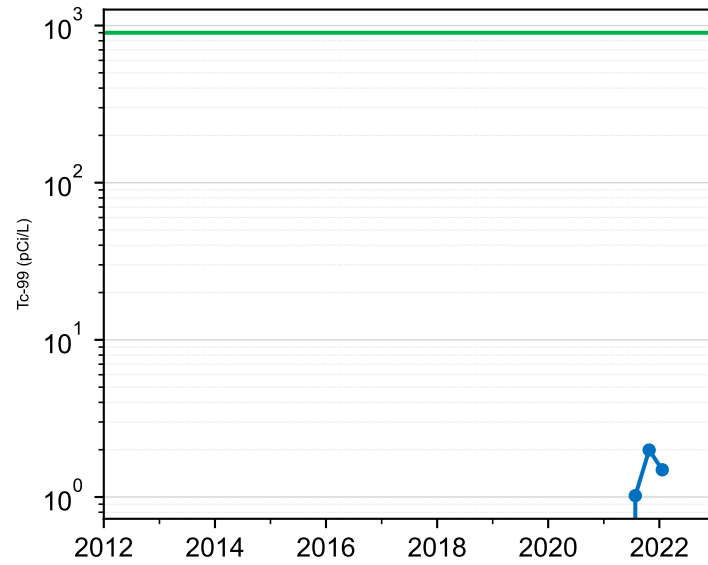


Trichloroethene

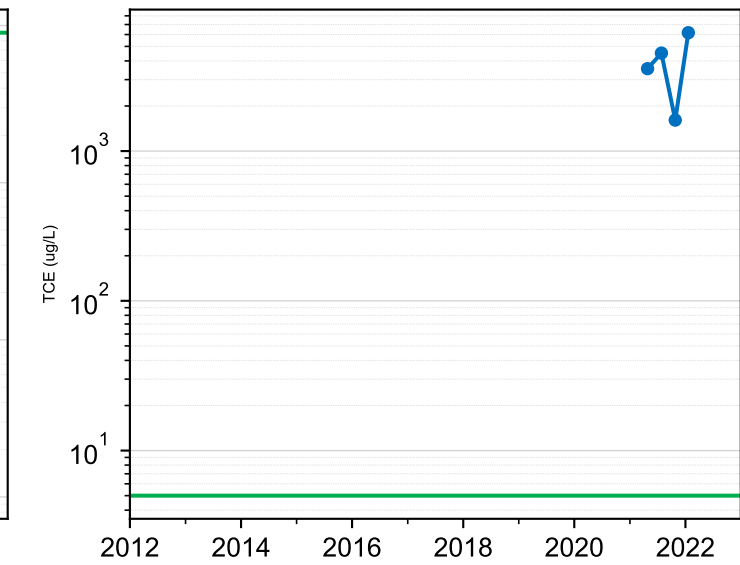


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/27/2021	-1.21 U	3550.0
07/27/2021	1.02 U	4510.0
10/26/2021	1.99 U	1610.0 J
01/20/2022	1.49 U	6170.0

Technetium-99



Trichloroethene



Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

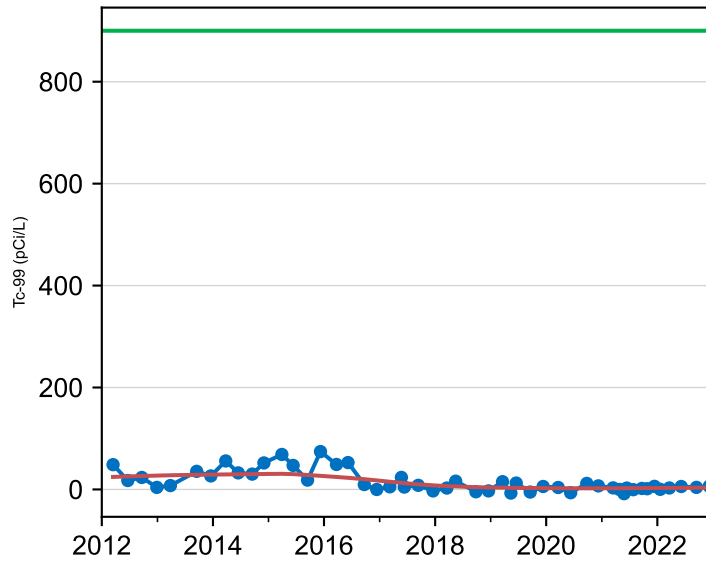
● Data
 — LOWESS
 — MCLs

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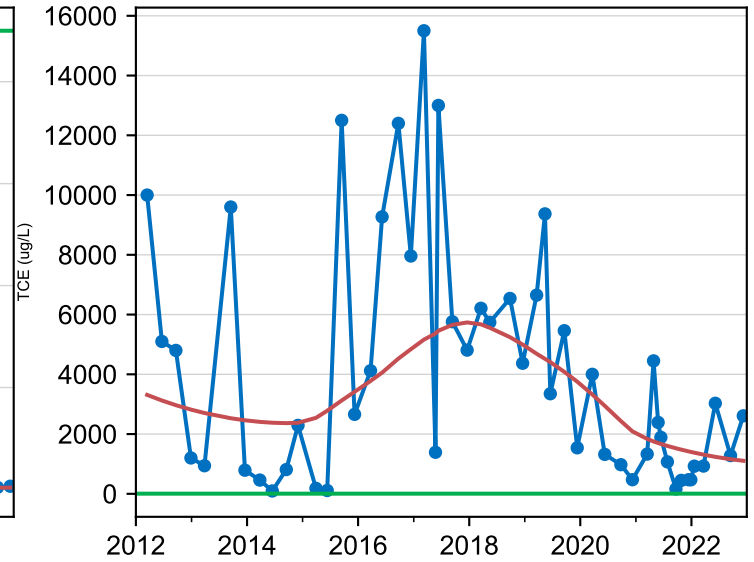
Figure 113. Tc-99 and TCE at MW406-PRT4 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

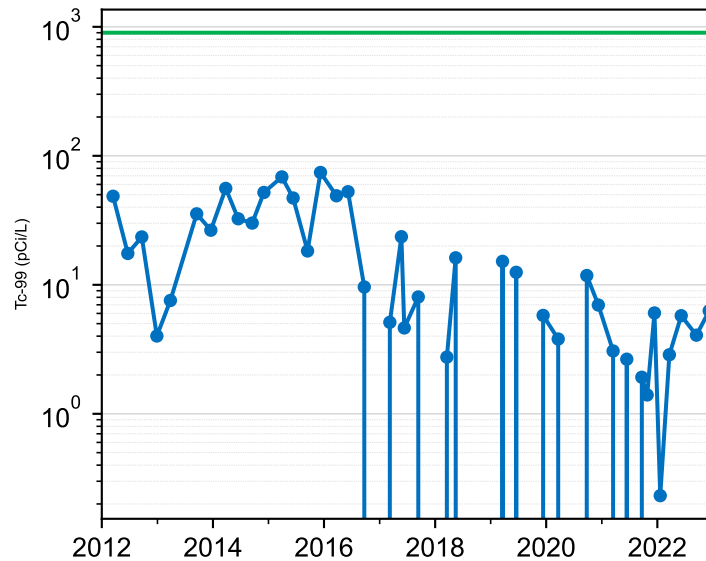
Technetium-99



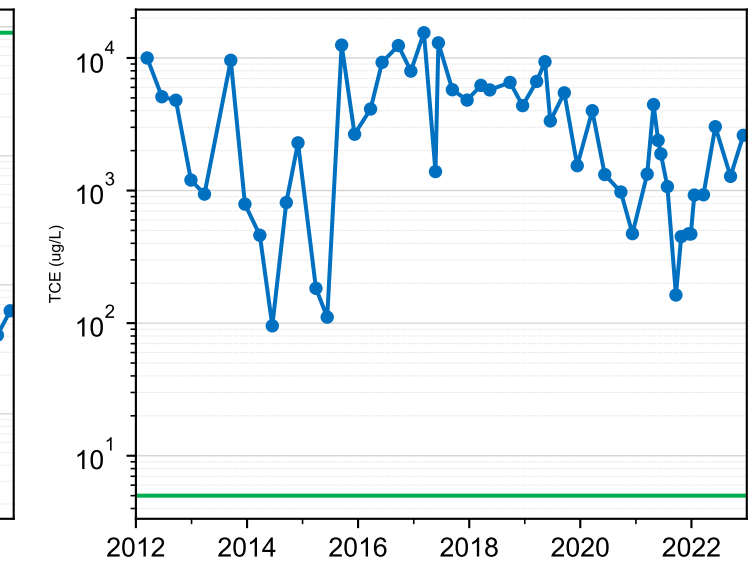
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/15/2012	48.6	10000.0
06/20/2012	17.5 U	5100.0
09/20/2012	23.5	4800.0
12/28/2012	4.01 U	1200.0
03/27/2013	7.56 U	940.0
09/16/2013	35.5	9600.0
12/18/2013	26.5	790.0
03/26/2014	55.9	460.0
06/18/2014	32.5	95.4
09/16/2014	30.1	812.0
12/02/2014	52.0	2290.0
03/30/2015	68.6	183.0
06/12/2015	47.1	111.0
09/15/2015	18.3 U	12500.0
12/09/2015	74.3	2660.0
03/23/2016	49.0	4120.0
06/07/2016	52.7	9270.0
09/22/2016	9.62 U	12400.0
12/13/2016	-0.0598 U	7960.0
03/09/2017	5.12 U	15500.0
05/24/2017	23.6	1390.0
06/12/2017	4.63 U	13000.0
09/12/2017	8.05 U	5760.0
12/18/2017	-2.88 U	4810.0
03/19/2018	2.75 U	6210.0
05/16/2018	16.2 U	5740.0
09/26/2018	-4.57 U	6540.0
12/18/2018	-2.89 U	4370.0
03/20/2019	15.2 U	6650.0
05/14/2019	-7.15 U	9370.0
06/18/2019	12.5 U	3350.0
09/18/2019	-5.14 U	5460.0
12/12/2019	5.79 U	1540.0
03/20/2020	3.8 U	4000.0
06/10/2020	-6.48 U	1320.0
09/24/2020	11.8 U	975.0
12/09/2020	6.97 U	473.0
03/16/2021	3.07 U	1330.0
04/27/2021	-0.0391 U	4450.0
05/27/2021	-8.3 U	2390.0 J
06/14/2021	2.65 U	1890.0
07/27/2021	-0.472 U	1070.0
09/21/2021	1.92 U	163.0 J
10/26/2021	1.4 U	450.0 J
12/13/2021	6.05 U	472.0
12/28/2021		470.0
01/20/2022	0.232 U	925.0
03/21/2022	2.87 U	929.0
06/07/2022	5.76 U	3030.0
09/15/2022	4.07 U	1280.0
12/08/2022	6.29 U	2610.0

Notes:
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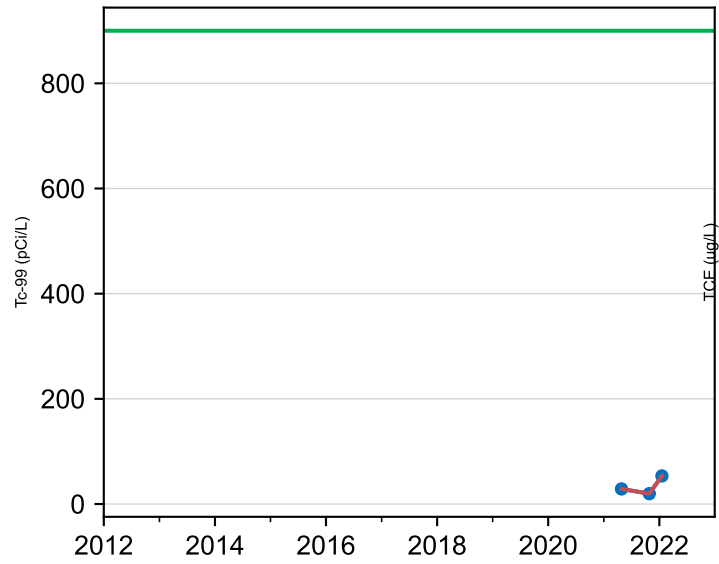
● Data
 — LOWESS
 — MCLs

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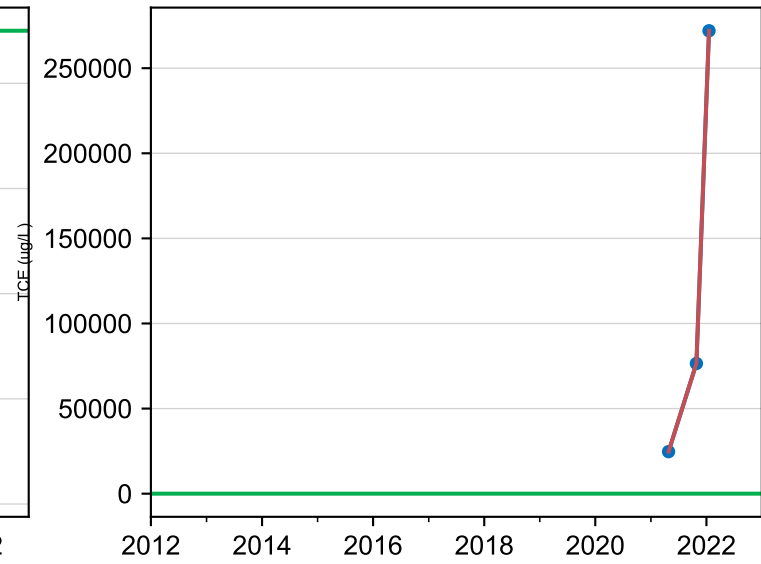
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Figure 114. Tc-99 and TCE at MW406-PRT5 (RGA (Multi-zone))

Technetium-99

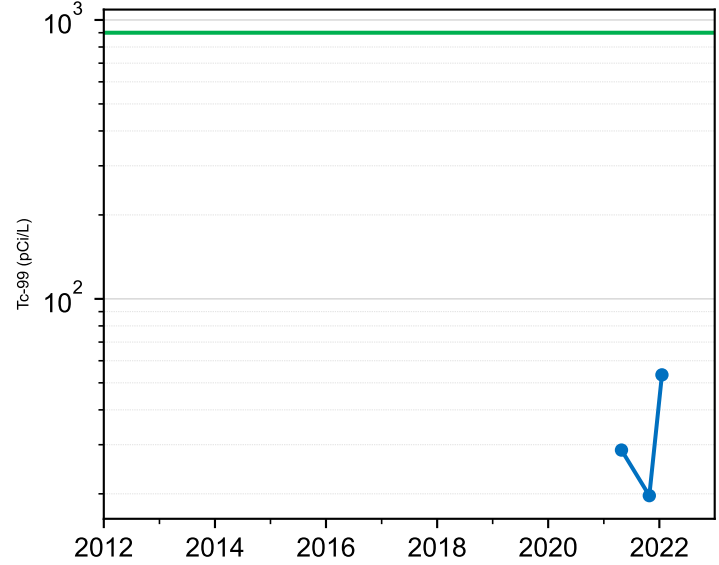


Trichloroethene

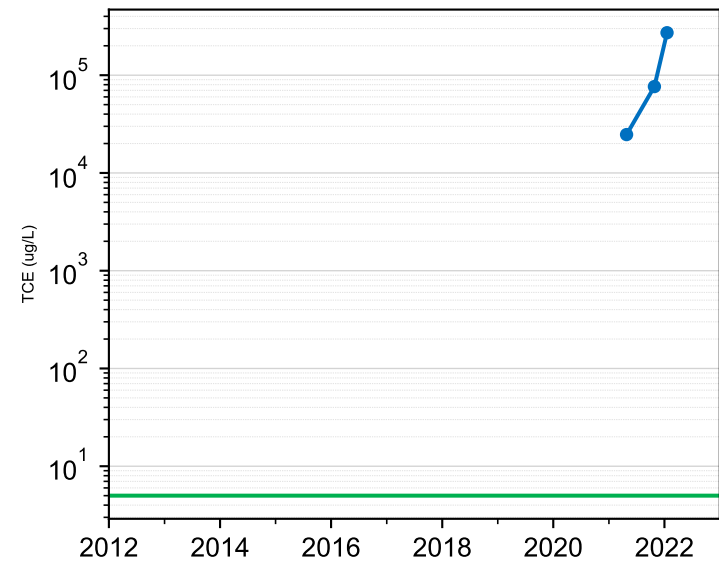


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/27/2021	28.7	24700.0
10/27/2021	19.7	76500.0
01/18/2022	53.4	272000.0

Technetium-99



Trichloroethene



Notes:
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● Data
 — LOWESS
 — MCLs

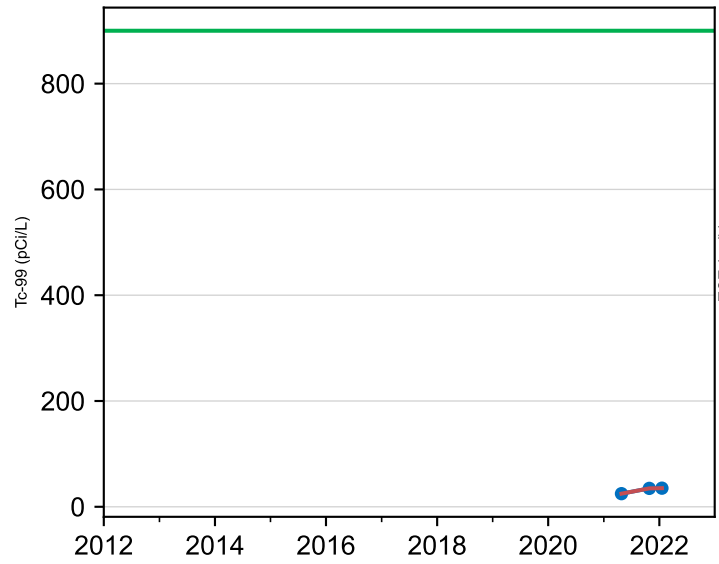
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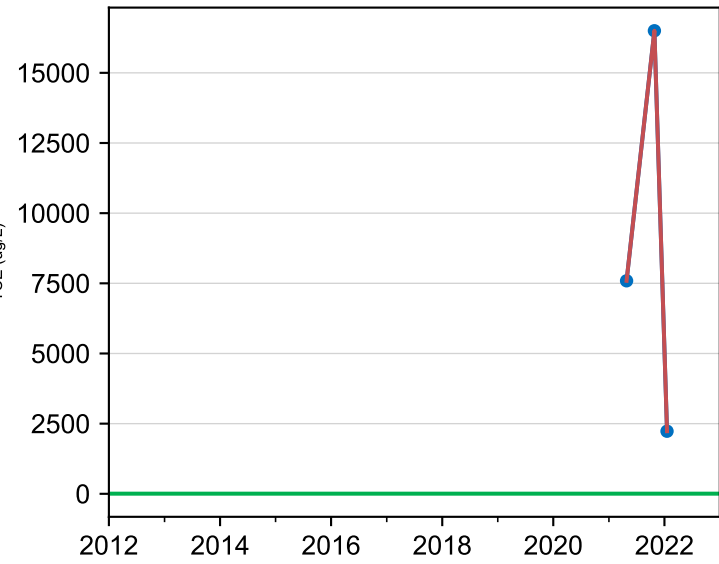
Figure 115. Tc-99 and TCE at MW407-PRT2 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

Technetium-99

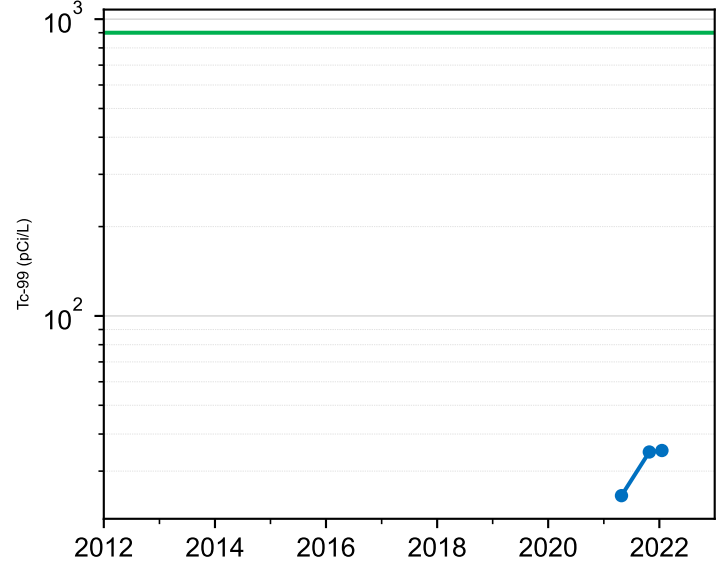


Trichloroethene

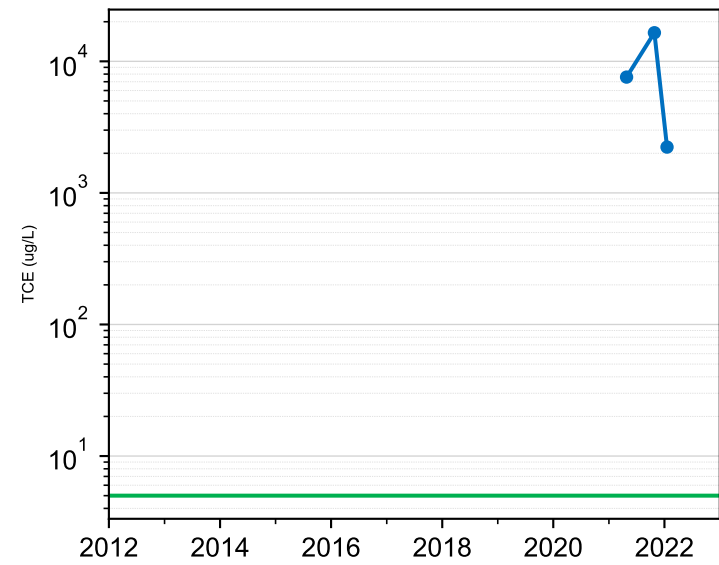


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/27/2021	24.8	7590.0
10/27/2021	34.8	16500.0
01/18/2022	35.2	2230.0

Technetium-99



Trichloroethene



Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
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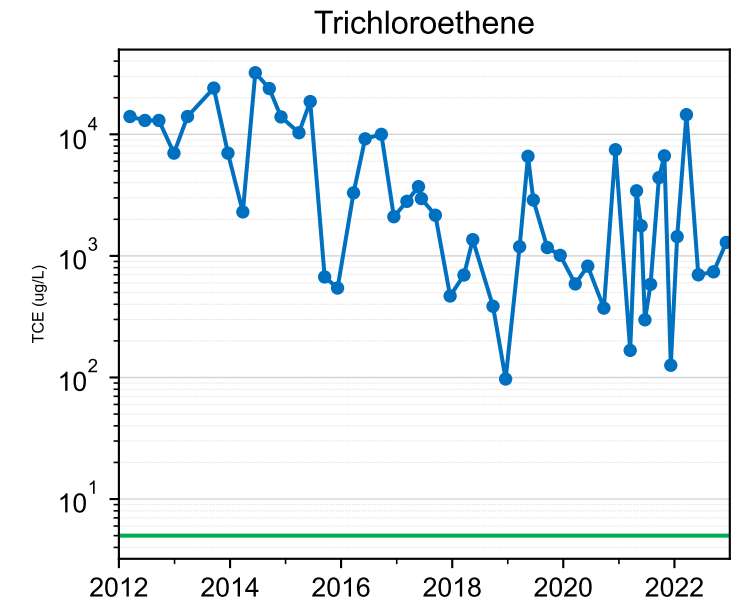
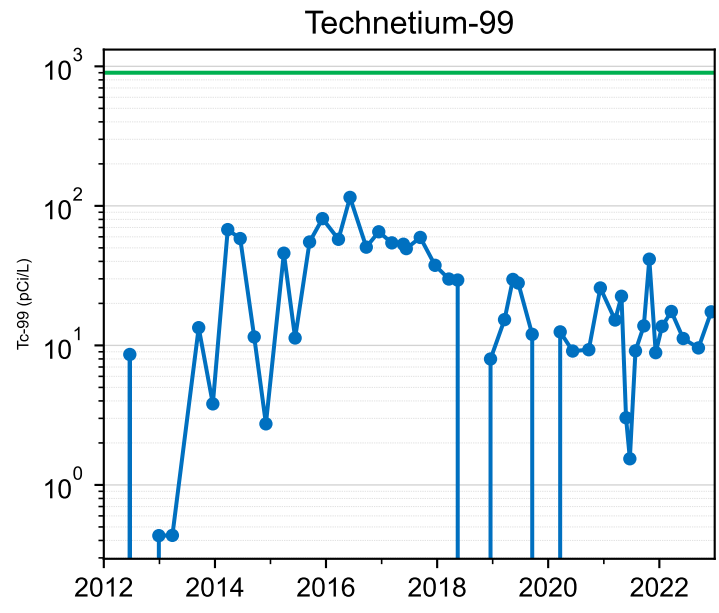
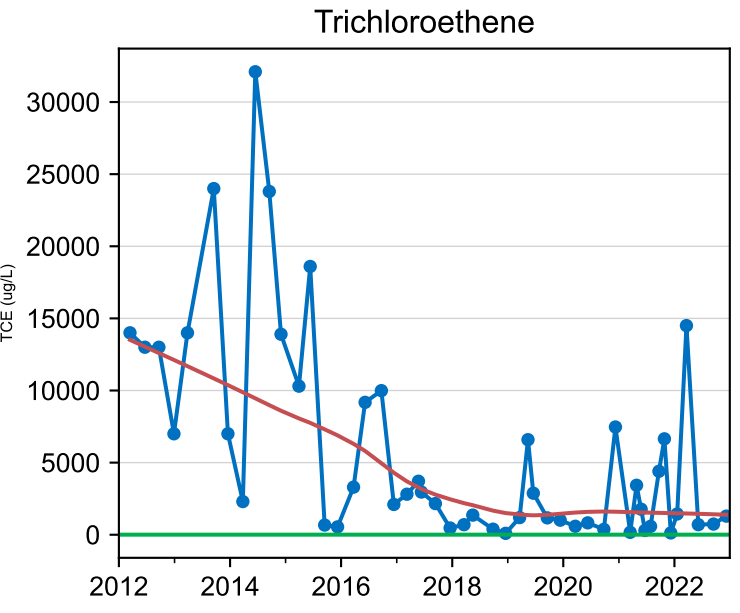
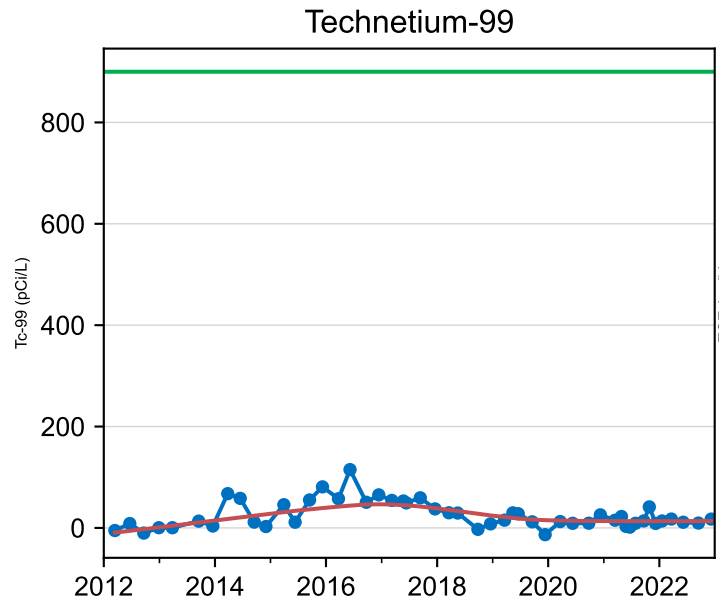
● Data
 — LOWESS
 — MCLs

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Figure 116. Tc-99 and TCE at MW407-PRT3 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/14/2012	-5.15 U	14000.0
06/20/2012	8.61 U	13000.0
09/20/2012	-10.2 U	13000.0
12/28/2012	0.433 U	7000.0
03/27/2013	0.435 U	14000.0
09/16/2013	13.4 U	24000.0 J
12/18/2013	3.81 U	7000.0
03/26/2014	67.6	2300.0
06/16/2014	58.3	32100.0
09/16/2014	11.5 U	23800.0
12/02/2014	2.74 U	13900.0
03/30/2015	45.8	10300.0
06/12/2015	11.3 U	18600.0
09/15/2015	55.1	671.0
12/09/2015	81.0	544.0
03/23/2016	57.6	3300.0
06/07/2016	115.0	9180.0
09/22/2016	50.6	9990.0
12/13/2016	65.2	2100.0
03/09/2017	54.3	2810.0
05/24/2017	53.1	3710.0
06/12/2017	49.4	2960.0
09/12/2017	59.4	2160.0
12/18/2017	37.5	468.0
03/19/2018	29.9	696.0
05/16/2018	29.4	1360.0
09/26/2018	-2.75 U	385.0
12/18/2018	7.99 U	97.1
03/20/2019	15.3 U	1190.0
05/14/2019	29.7	6590.0
06/18/2019	28.0	2880.0
09/18/2019	12.0 U	1170.0
12/12/2019	-13.3 U	1010.0
03/20/2020	12.5 U	588.0
06/10/2020	9.11 U	824.0
09/24/2020	9.31 U	372.0
12/09/2020	25.8	7470.0
03/16/2021	15.2 U	167.0
04/27/2021	22.5	3430.0
05/27/2021	3.03 U	1770.0 J
06/21/2021	1.54 U	298.0
07/28/2021	9.14	584.0
09/21/2021	13.8 U	4400.0
10/27/2021	41.5	6650.0
12/08/2021	8.87 U	126.0
01/19/2022	13.7	1440.0
03/21/2022	17.5	14500.0
06/07/2022	11.2 U	699.0
09/15/2022	9.59 U	739.0
12/08/2022	17.4 U	1290.0



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

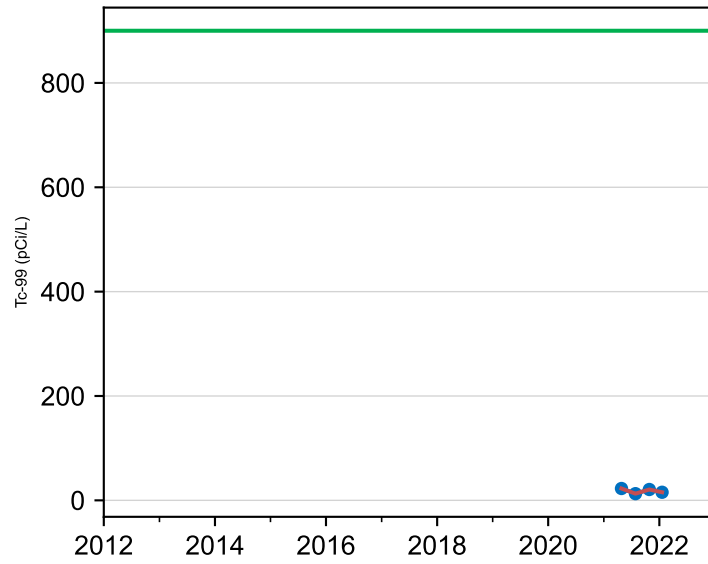
● Data
 — LOWESS
 — MCLs

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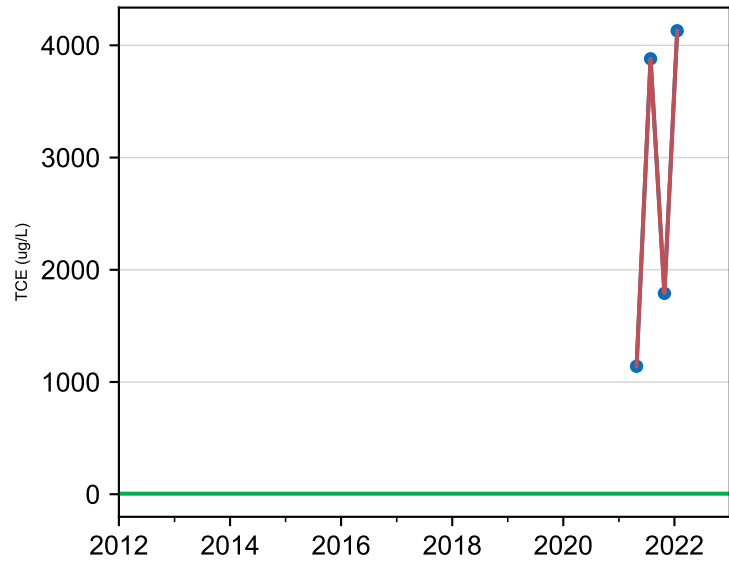
Figure 117. Tc-99 and TCE at MW407-PRT4 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

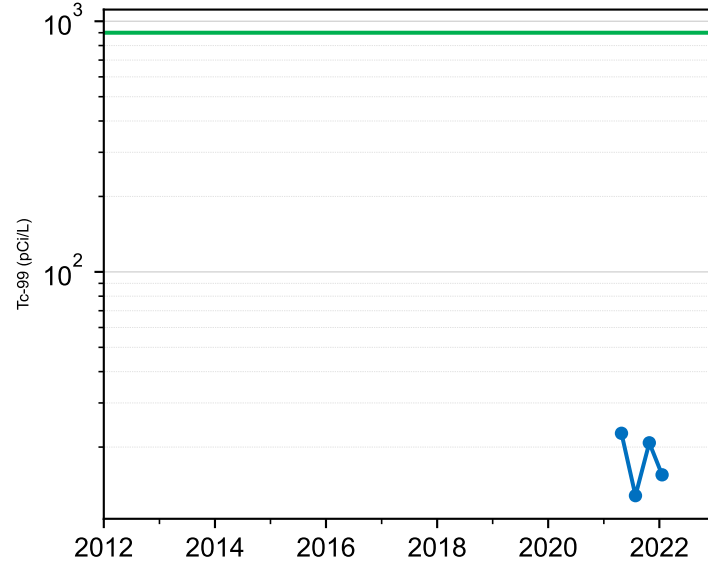
Technetium-99



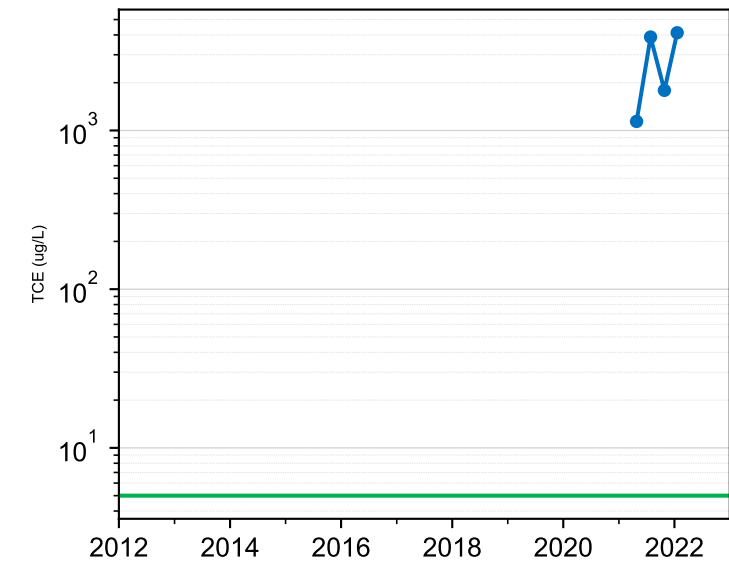
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/27/2021	22.7	1140.0
07/28/2021	12.8	3880.0
10/27/2021	20.8	1790.0 J
01/19/2022	15.5	4130.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

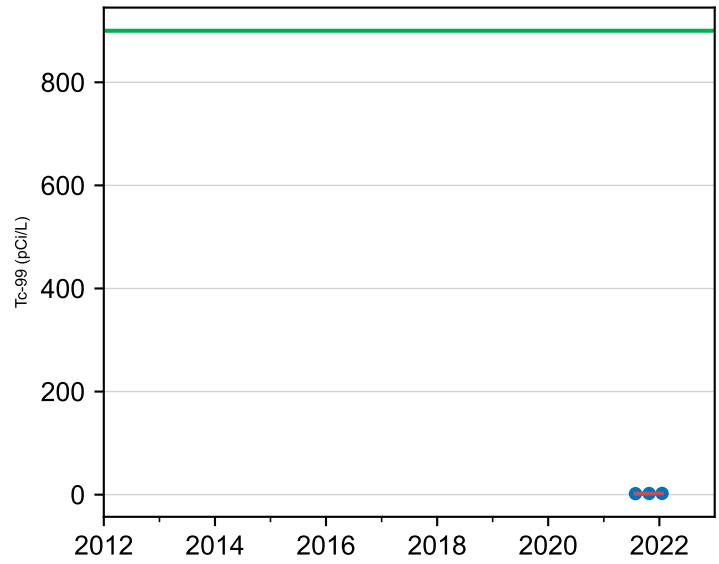
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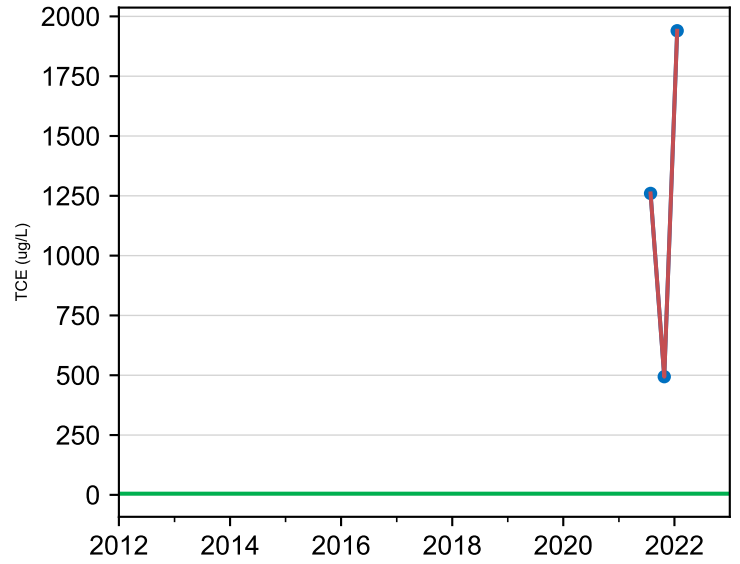
Figure 118. Tc-99 and TCE at MW407-PRT5 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

Technetium-99

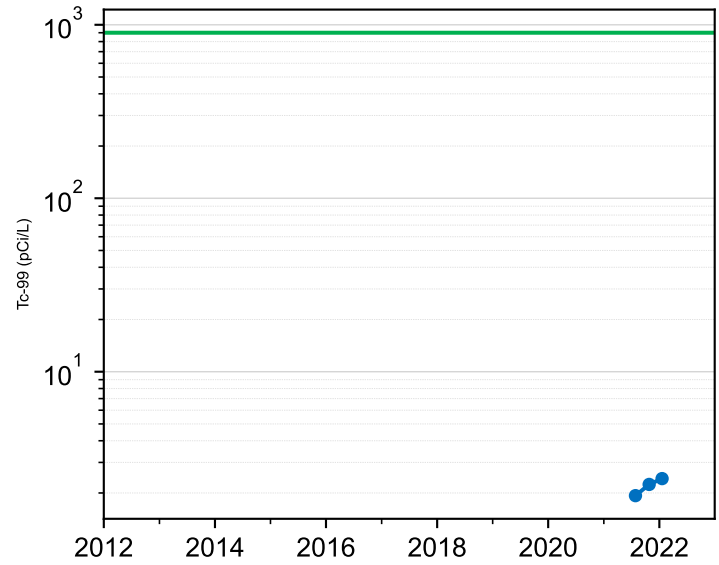


Trichloroethene

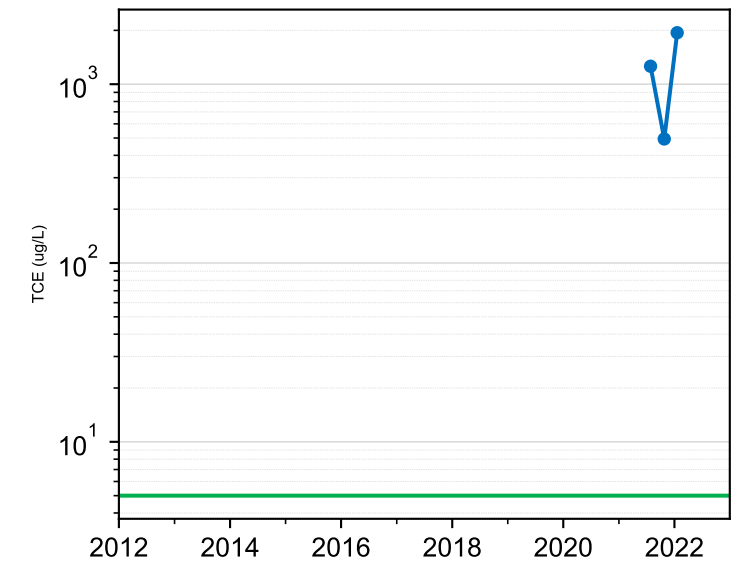


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
07/28/2021	1.93 U	1260.0
10/26/2021	2.24 U	494.0 J
01/19/2022	2.42 U	1940.0

Technetium-99



Trichloroethene



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

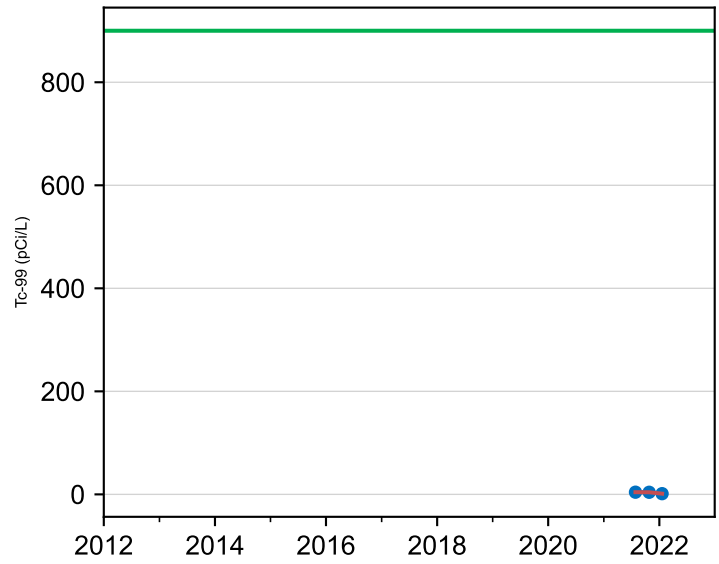
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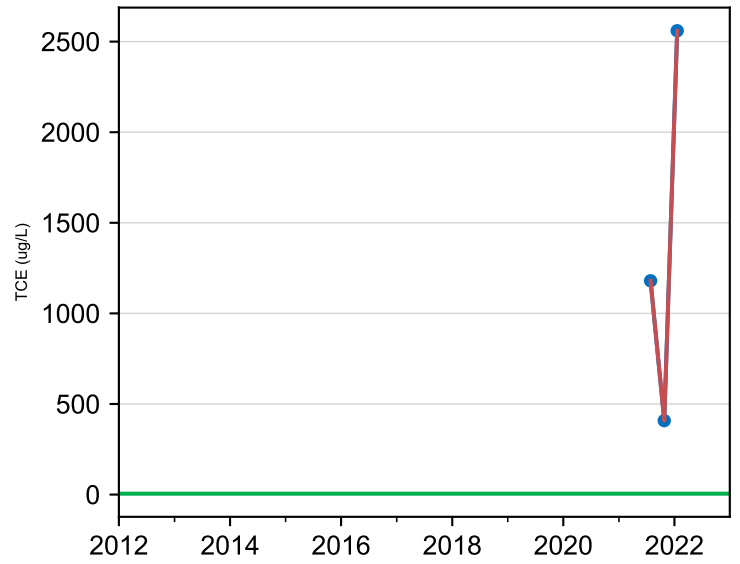
Figure 119. Tc-99 and TCE at MW408-PRT2 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

Technetium-99

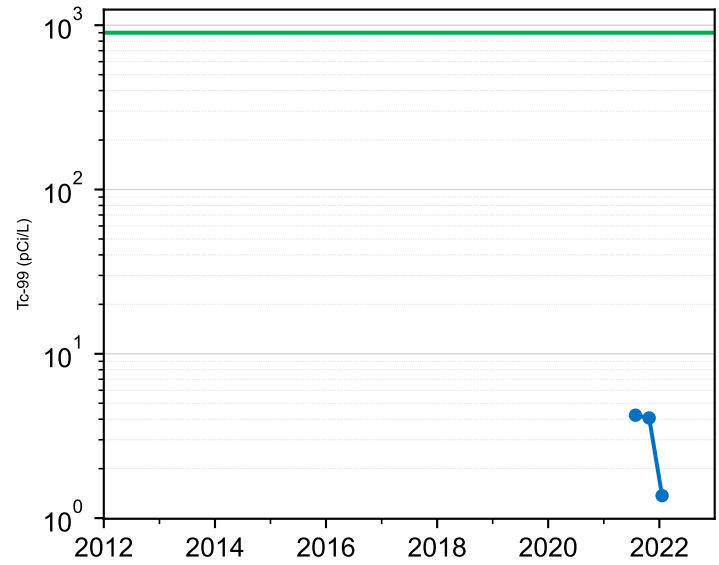


Trichloroethene

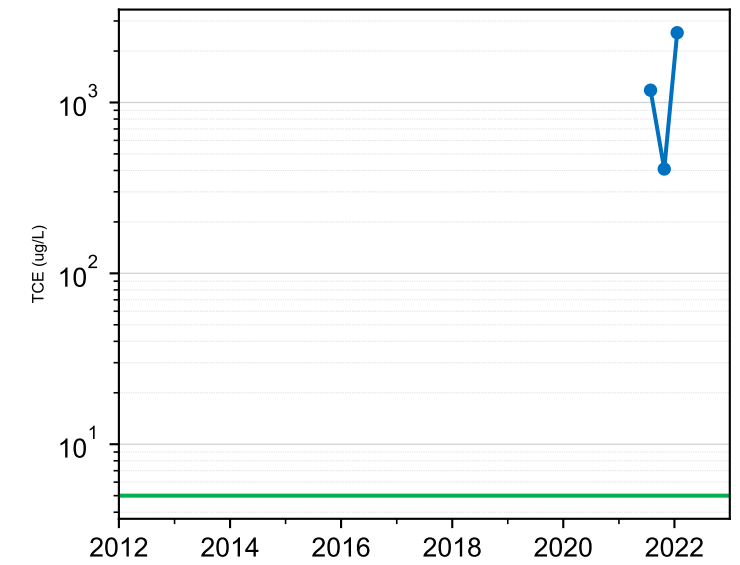


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
07/28/2021	4.23 U	1180.0
10/26/2021	4.07	408.0 J
01/19/2022	1.37 U	2560.0

Technetium-99



Trichloroethene



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

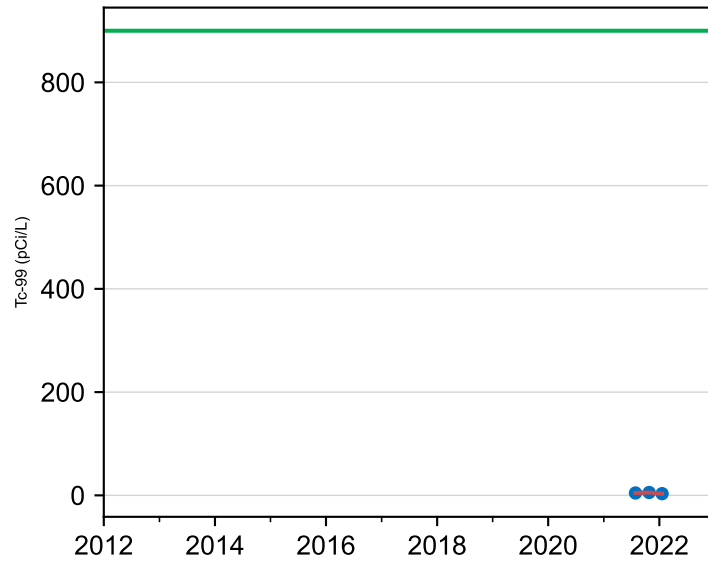
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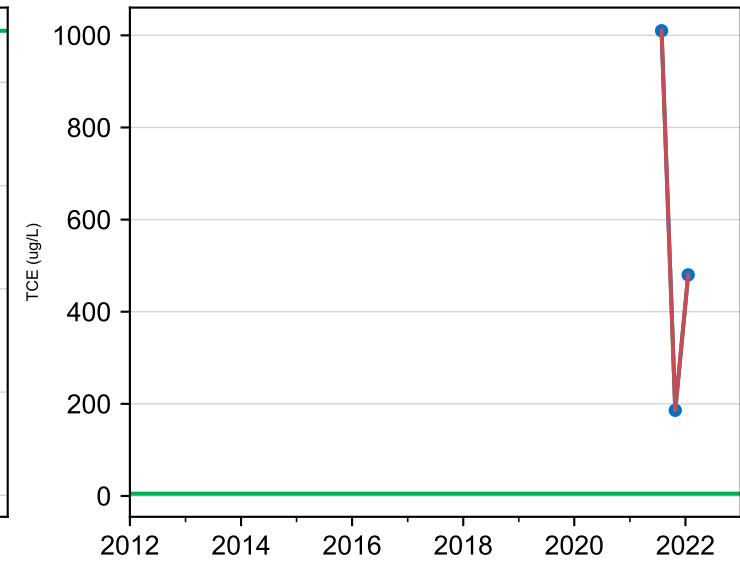
Figure 120. Tc-99 and TCE at MW408-PRT3 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

Technetium-99

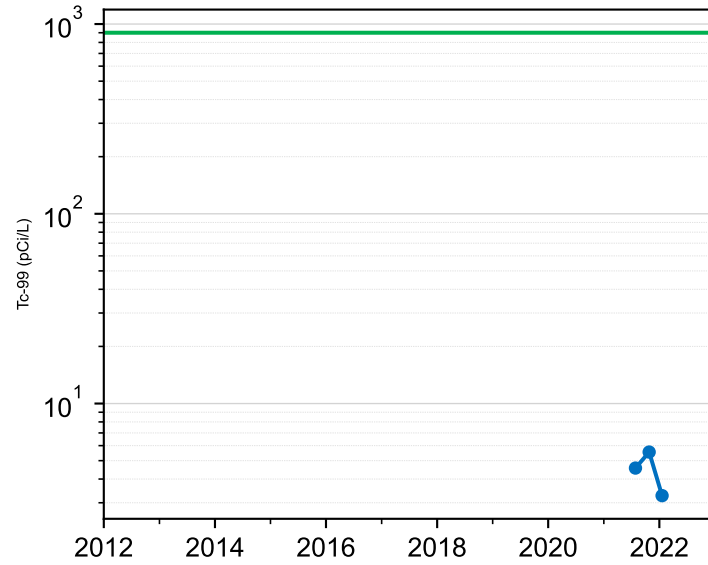


Trichloroethene

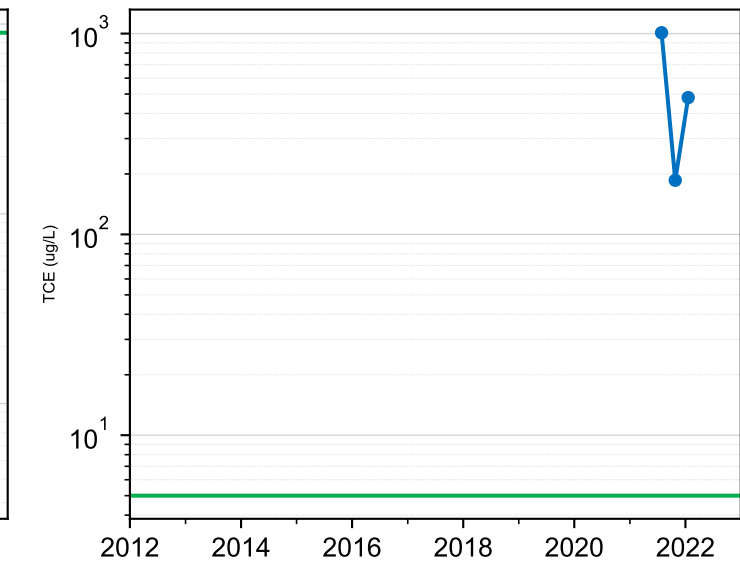


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
07/28/2021	4.57	1010.0
10/26/2021	5.55	186.0 J
01/19/2022	3.27 U	480.0

Technetium-99



Trichloroethene



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

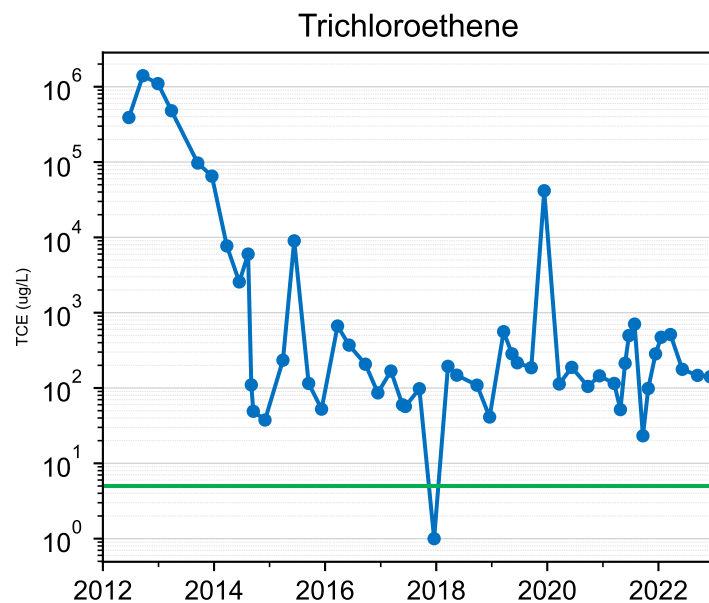
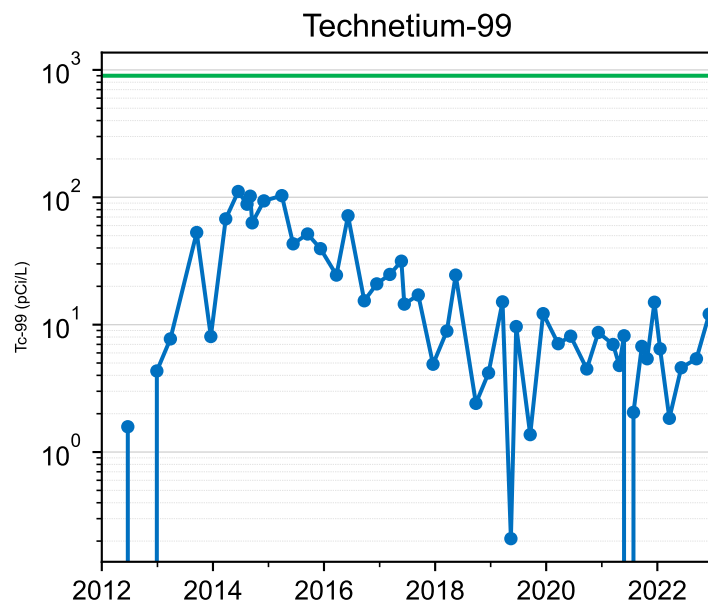
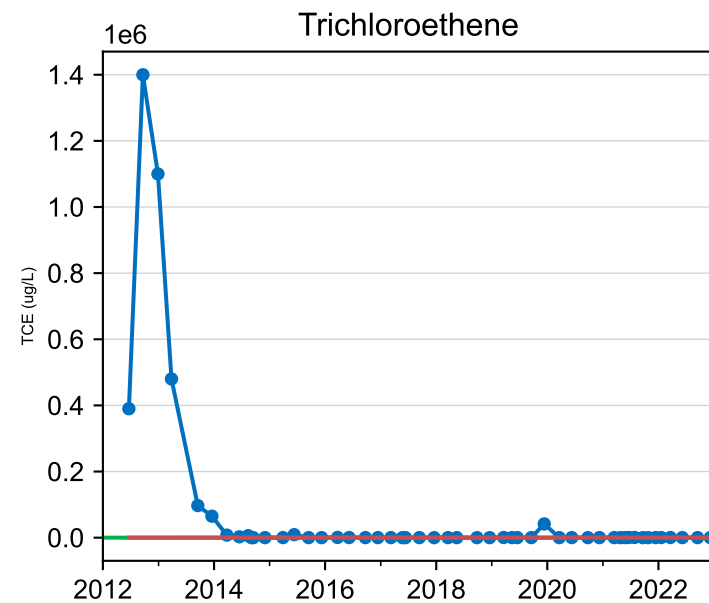
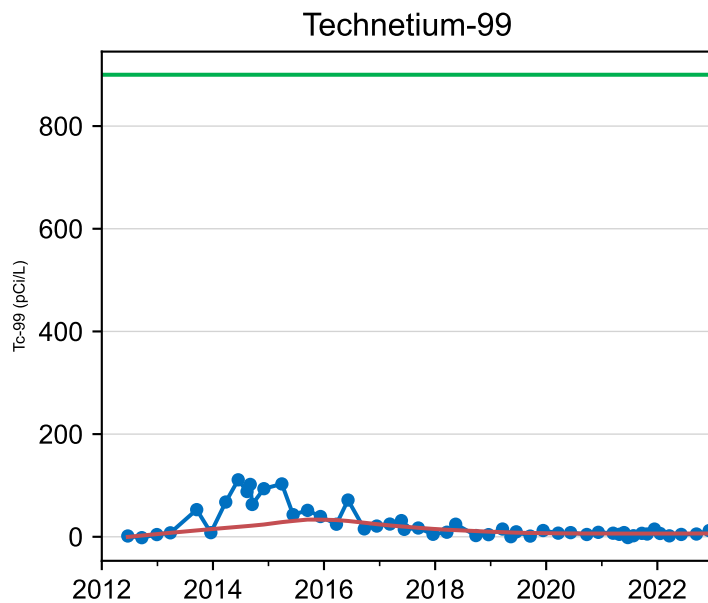
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Figure 121. Tc-99 and TCE at MW408-PRT4 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
06/20/2012	1.58 U	390000.0
09/20/2012	-1.7 U	1400000.0
12/28/2012	4.33 U	1100000.0
03/27/2013	7.73 U	480000.0
09/16/2013	52.9	97000.0 J
12/18/2013	8.07 U	65000.0
03/26/2014	67.7	7700.0
06/16/2014	111.0	2560.0
08/13/2014	88.2	6000.0
09/03/2014	102.0	110.0
09/16/2014	63.0	49.1
12/02/2014	93.7	37.6
03/30/2015	103.0	234.0
06/12/2015	43.1	8990.0
09/15/2015	51.5	115.0
12/09/2015	39.5	52.4
03/23/2016	24.5	665.0
08/07/2016	71.6	371.0
09/22/2016	15.4 U	207.0
12/13/2016	20.9	86.2
03/09/2017	24.8	168.0
05/24/2017	31.5	59.8
06/12/2017	14.5 U	56.9
09/12/2017	17.1	97.9
12/18/2017	4.89 U	1.0 U
03/19/2018	8.91 U	194.0
05/16/2018	24.5	148.0
09/26/2018	2.41 U	109.0
12/18/2018	4.18 U	41.2
03/20/2019	15.1 U	560.0
05/14/2019	0.209 U	284.0
06/18/2019	9.66 U	216.0
09/18/2019	1.37 U	186.0
12/12/2019	12.2 U	41600.0
03/20/2020	7.09 U	113.0
06/10/2020	8.12 U	188.0
09/24/2020	4.49 U	105.0
12/09/2020	8.69 U	145.0
03/18/2021	6.99 U	115.0
04/26/2021	4.78	51.7
05/27/2021	8.18 U	213.0 J
06/21/2021	-1.47 U	497.0 J
07/28/2021	2.05 U	705.0
09/21/2021	6.75 U	23.2 J
10/26/2021	5.4	98.6 J
12/13/2021	15.0 U	284.0
01/19/2022	6.46	472.0
03/21/2022	1.84 U	513.0
06/07/2022	4.59 U	177.0
09/15/2022	5.4 U	147.0
12/08/2022	12.1 U	141.0

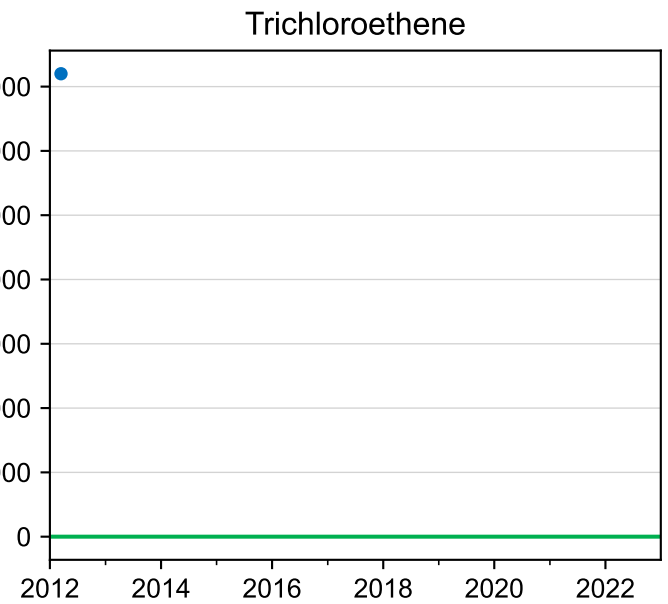
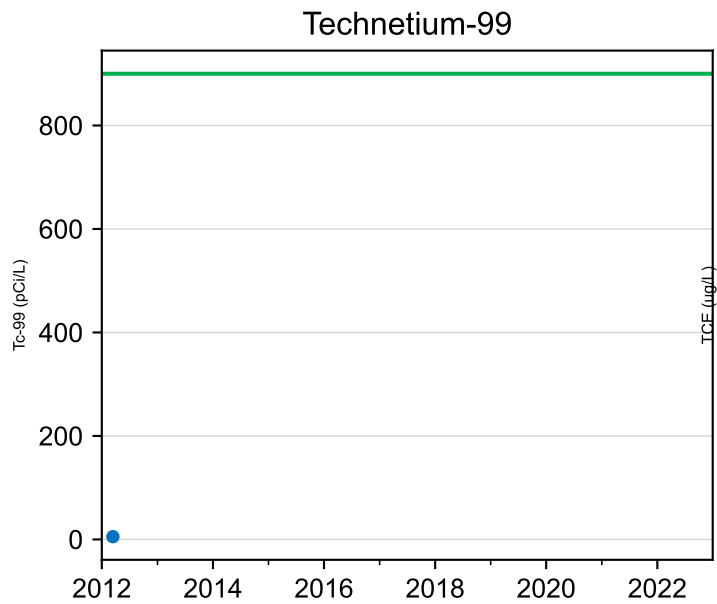


Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

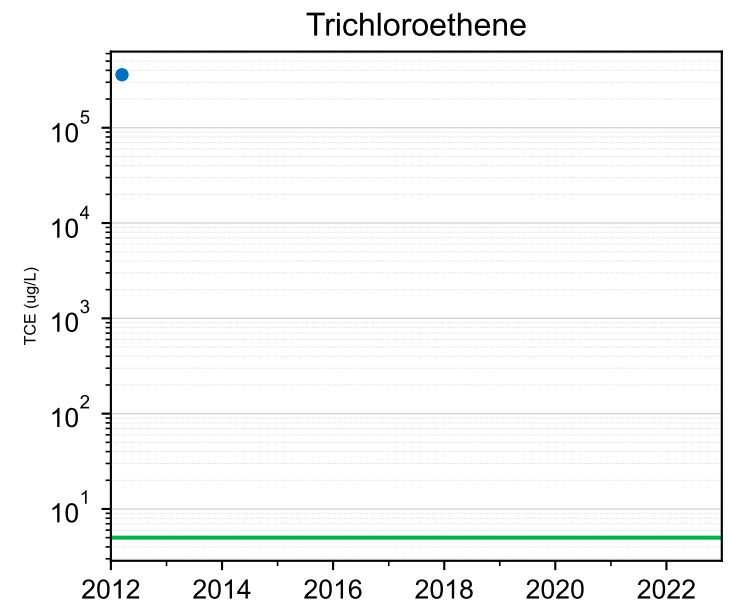
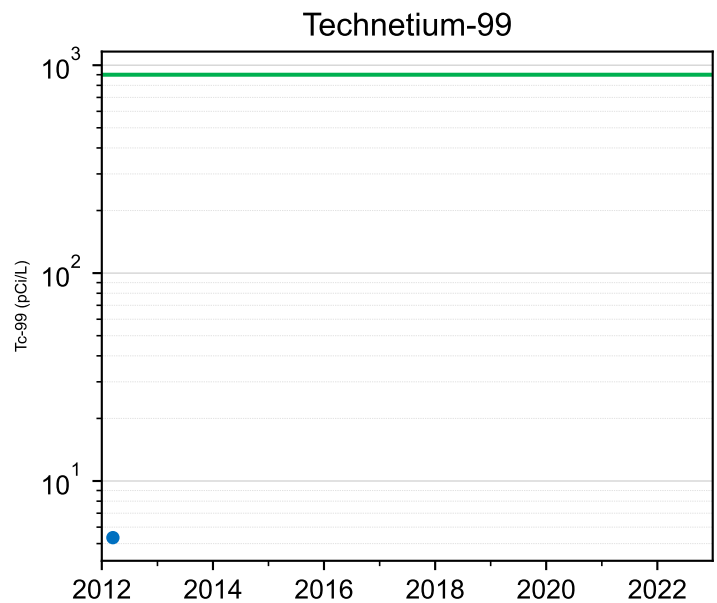
● Data
 — LOWESS
 — MCLs

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Figure 122. Tc-99 and TCE at MW408-PRT5 (RGA (Multi-zone))



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/14/2012	5.34 U	360000.0



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

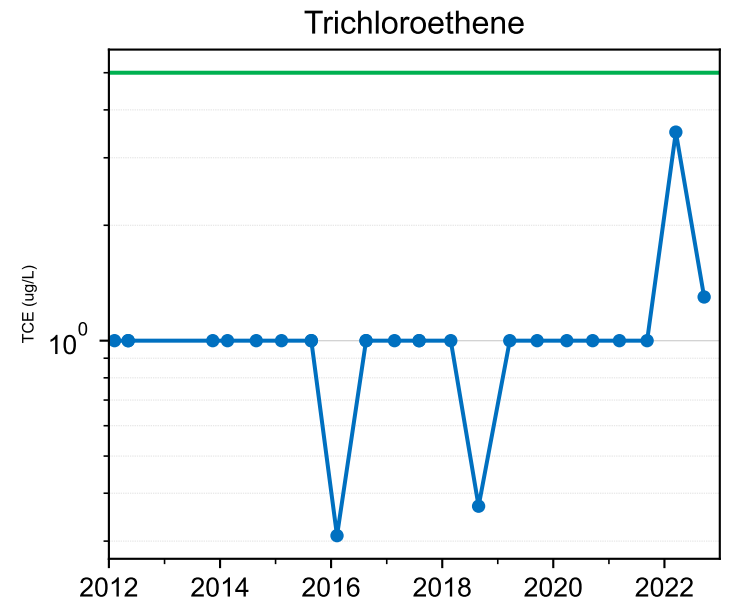
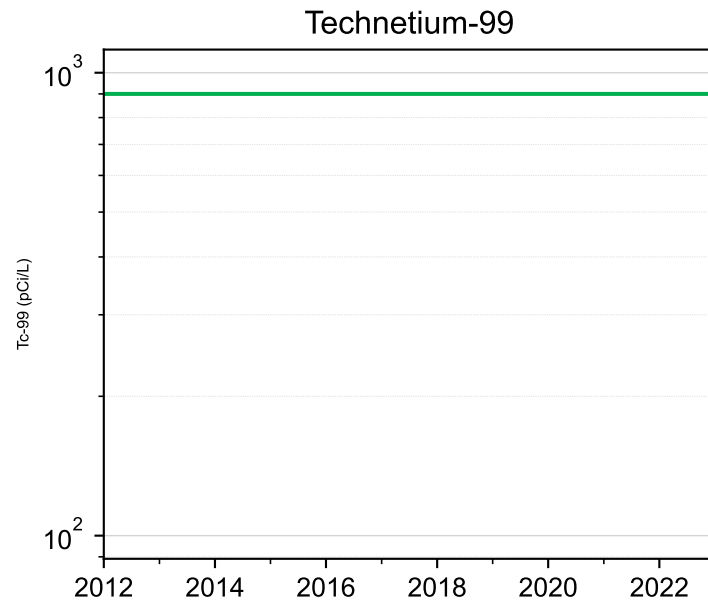
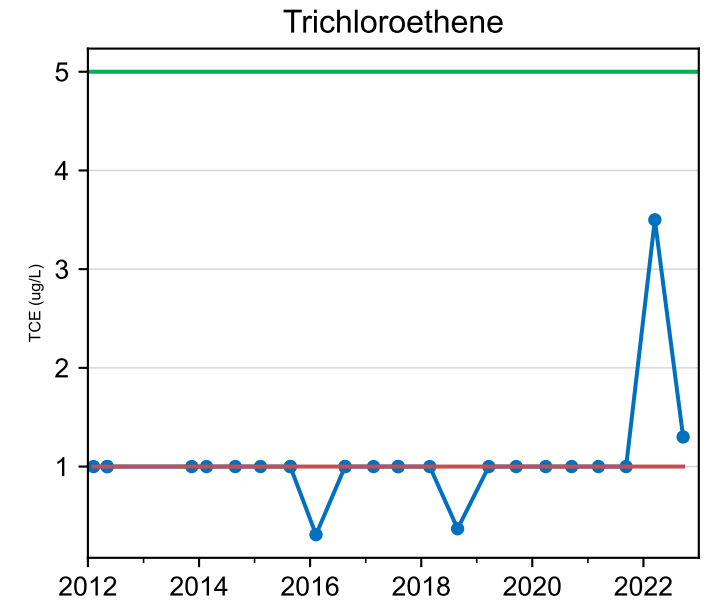
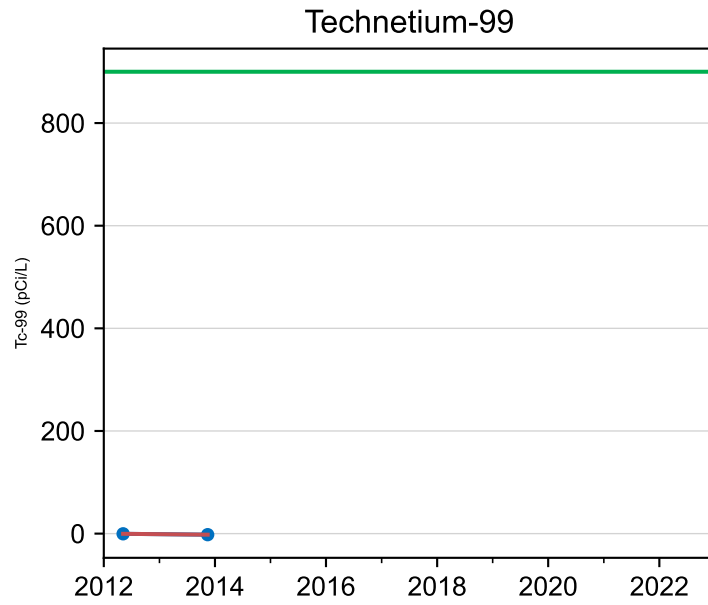
● Data — LOWESS
— MCLs

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Figure 123. Tc-99 and TCE at MW408-PRT6 (RGA (Multi-zone))

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/07/2012		1.0 U
05/07/2012	-0.38 U	1.0 U
11/14/2013	-2.05 U	1.0 U
02/19/2014		1.0 U
08/27/2014		1.0 U
02/09/2015		1.0 U
08/24/2015		1.0 U
02/09/2016		0.31 J
08/18/2016		1.0 U
02/21/2017		1.0 U
08/02/2017		1.0 U
02/26/2018		1.0 U
08/28/2018		0.37 J
03/21/2019		1.0 U
09/17/2019		1.0 U
03/30/2020		1.0 U
09/16/2020		1.0 U
03/11/2021		1.0 U
09/09/2021		1.0 U
03/17/2022		3.5
09/19/2022		1.3



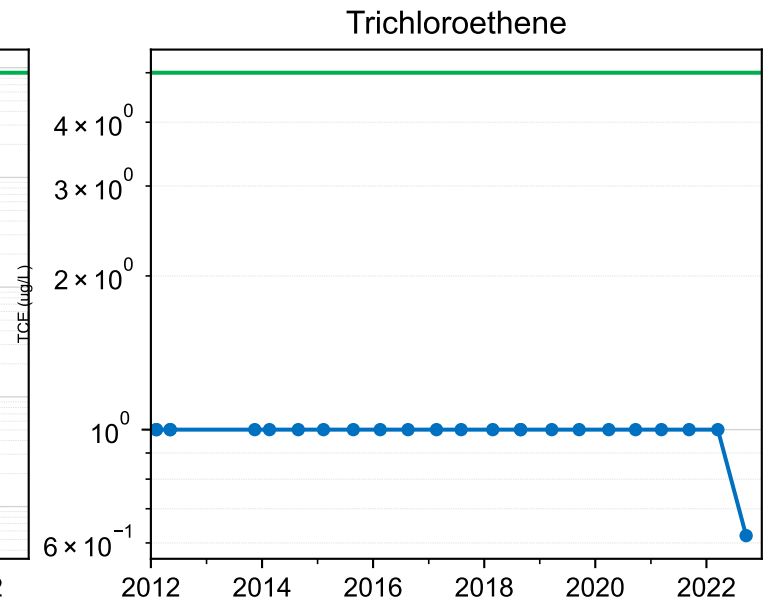
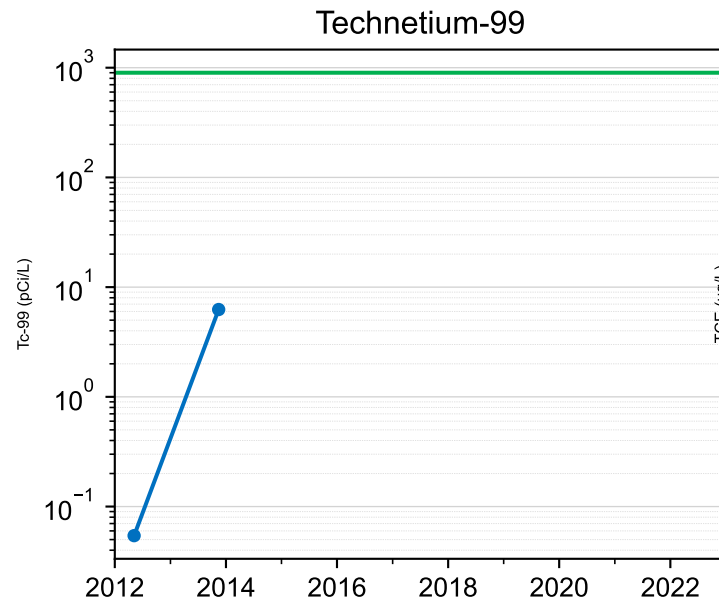
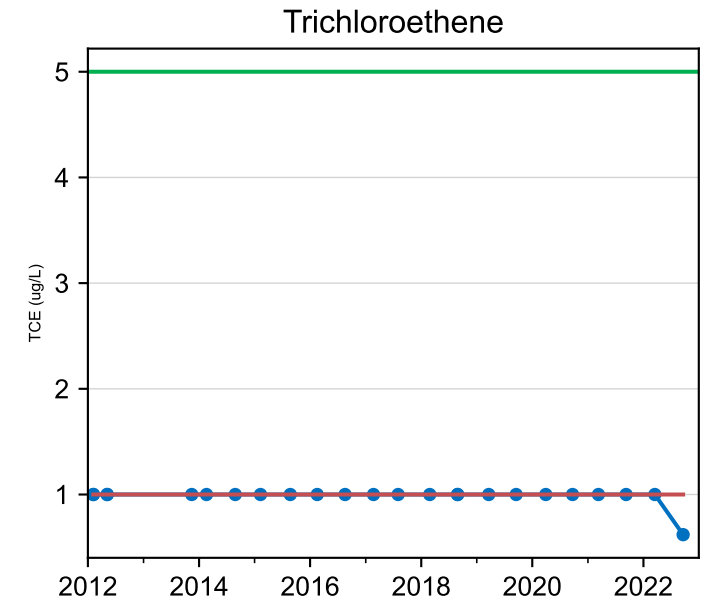
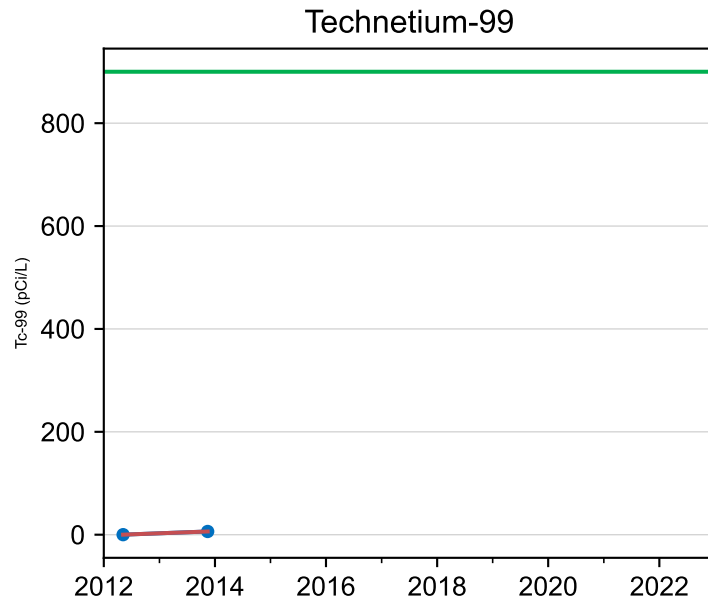
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 124. Tc-99 and TCE at MW409 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/06/2012		1.0 U
05/07/2012	0.0543 U	1.0 U
11/14/2013	6.25 U	1.0 U
02/19/2014		1.0 U
08/27/2014		1.0 U
02/09/2015		1.0 U
08/24/2015		1.0 U
02/17/2016		1.0 U
08/18/2016		1.0 U
02/21/2017		1.0 U
08/02/2017		1.0 U
02/26/2018		1.0 U
08/28/2018		1.0 U
03/21/2019		1.0 U
09/17/2019		1.0 U
03/30/2020		1.0 U
09/22/2020		1.0 U
03/11/2021		1.0 U
09/09/2021		1.0 U
03/17/2022		1.0
09/19/2022		0.62 J



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

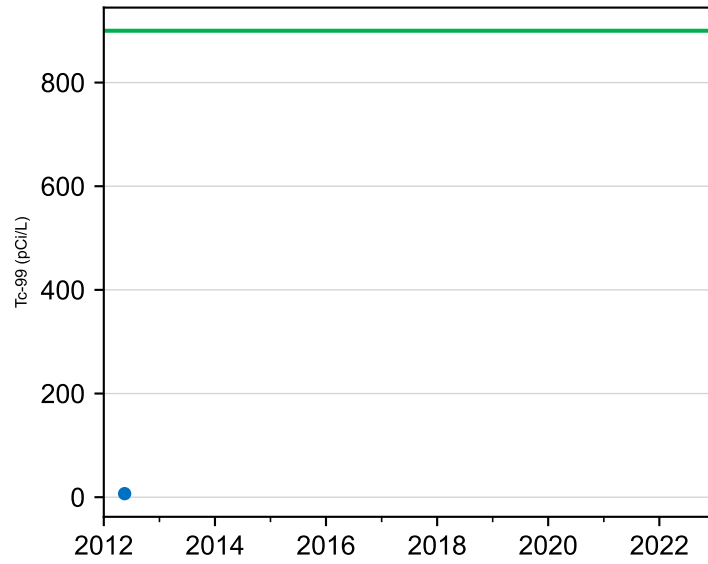
● Data — LOWESS
— MCLs

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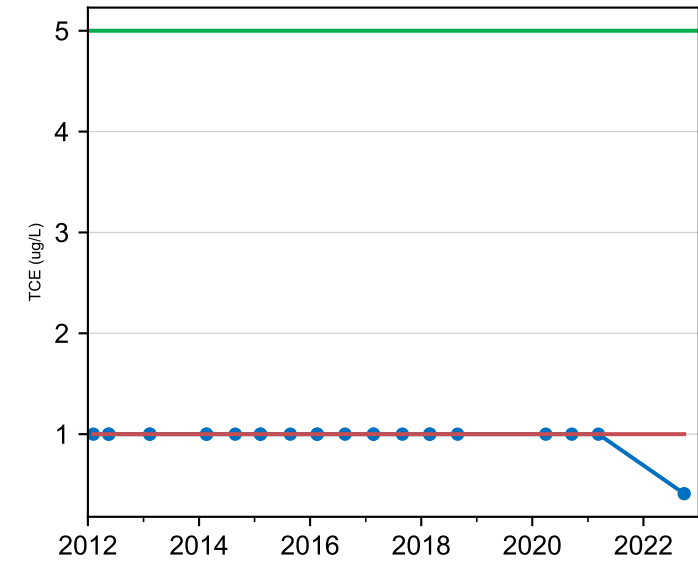
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Figure 125. Tc-99 and TCE at MW410 (LRGA)

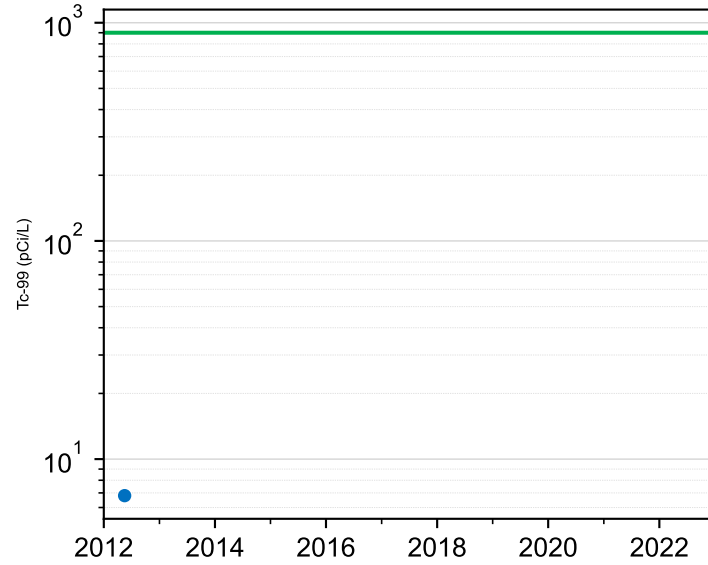
Technetium-99



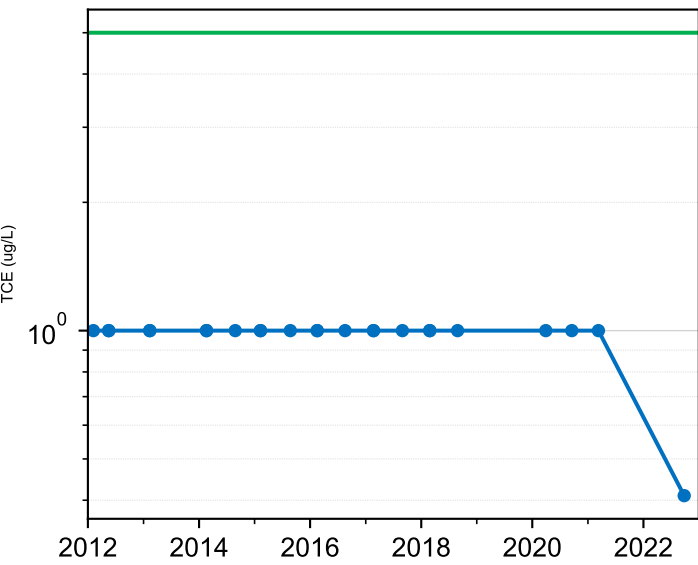
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/06/2012		1.0 U
05/17/2012	6.8 U	1.0 U
02/11/2013		1.0 UJ
02/19/2014		1.0 U
08/27/2014		1.0 U
02/09/2015		1.0 U
08/24/2015		1.0 U
02/17/2016		1.0 U
08/18/2016		1.0 U
02/21/2017		1.0 U
08/30/2017		1.0 U
02/28/2018		1.0 U
08/28/2018		1.0 U
03/30/2020		1.0 U
09/17/2020		1.0 U
03/11/2021		1.0 U
09/26/2022		0.41 J

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

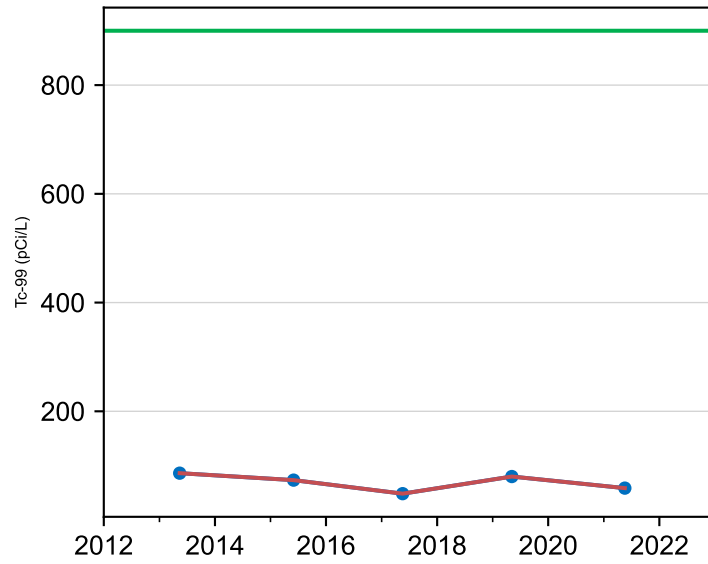
● Data
 — LOWESS
 — MCLs

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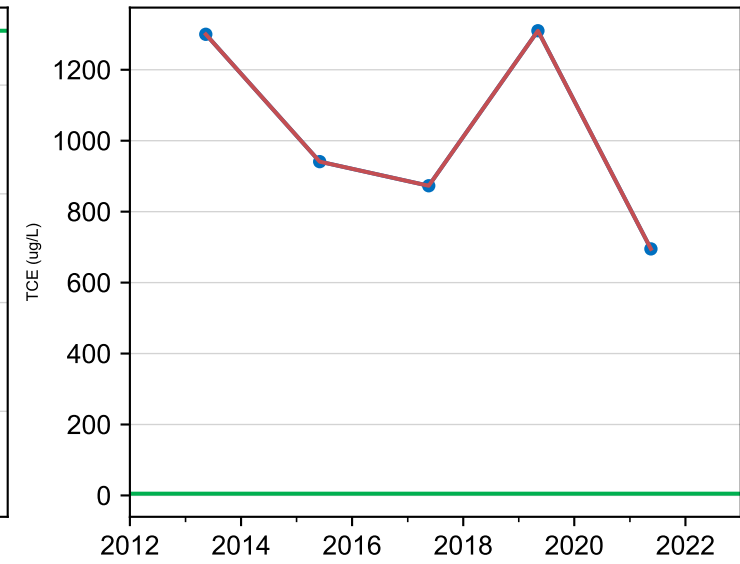
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Figure 126. Tc-99 and TCE at MW411 (MRGA)

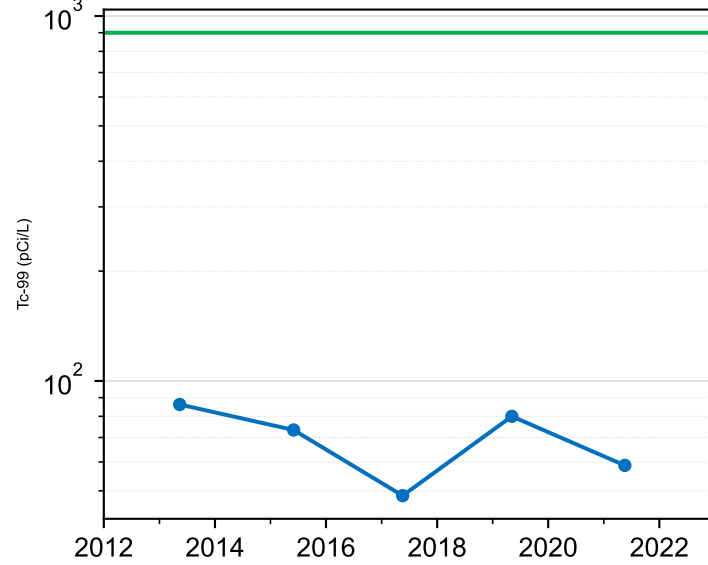
Technetium-99



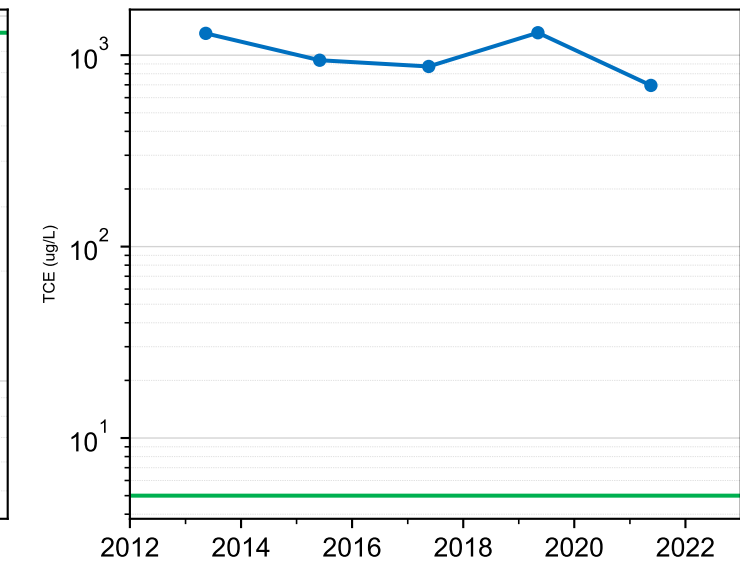
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/14/2013	86.2	1300.0
06/02/2015	73.4	941.0
05/19/2017	48.5	873.0
05/07/2019	80.0	1310.0
05/19/2021	58.7	695.0

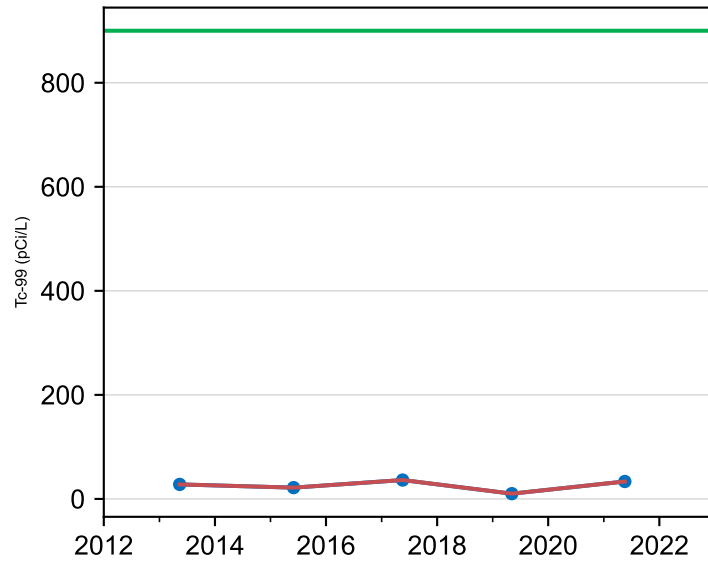
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

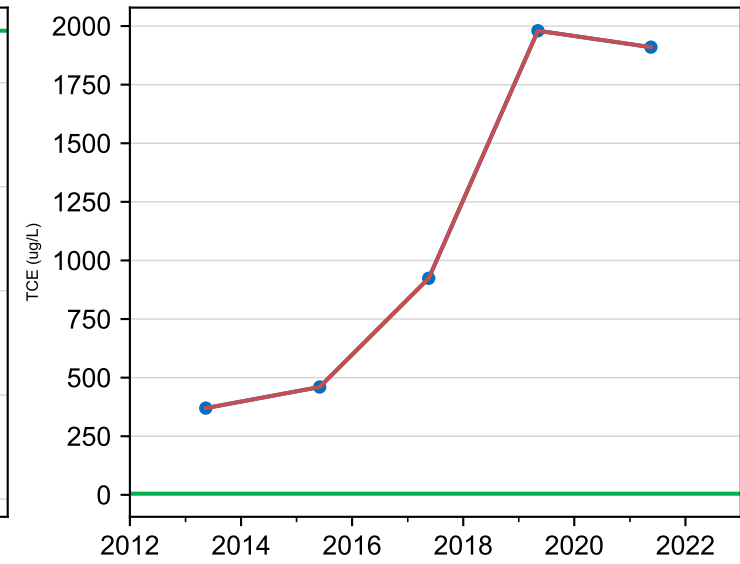
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Figure 127. Tc-99 and TCE at MW414 (MRGA)

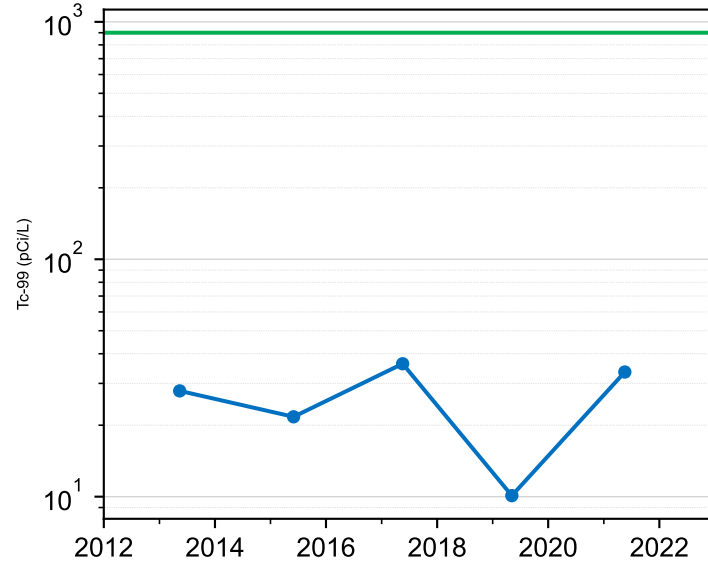
Technetium-99



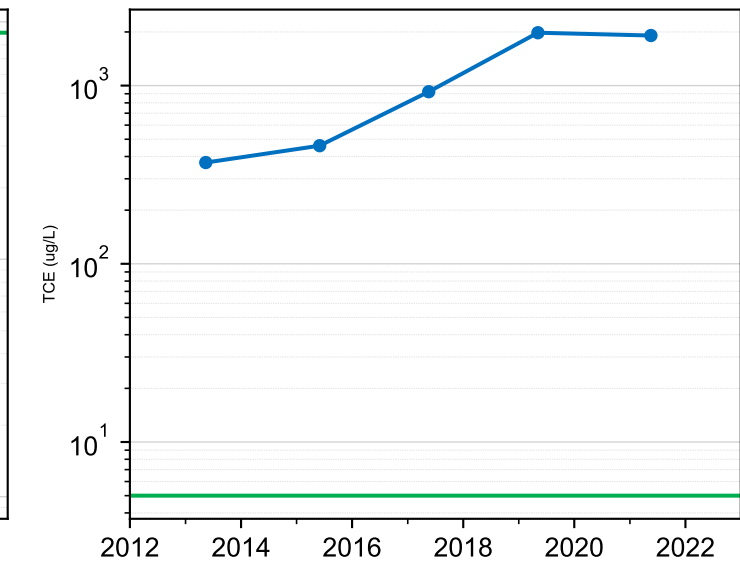
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/14/2013	27.9	370.0
06/02/2015	21.7 U	460.0
05/19/2017	36.3	924.0
05/07/2019	10.1 U	1980.0
05/19/2021	33.5	1910.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

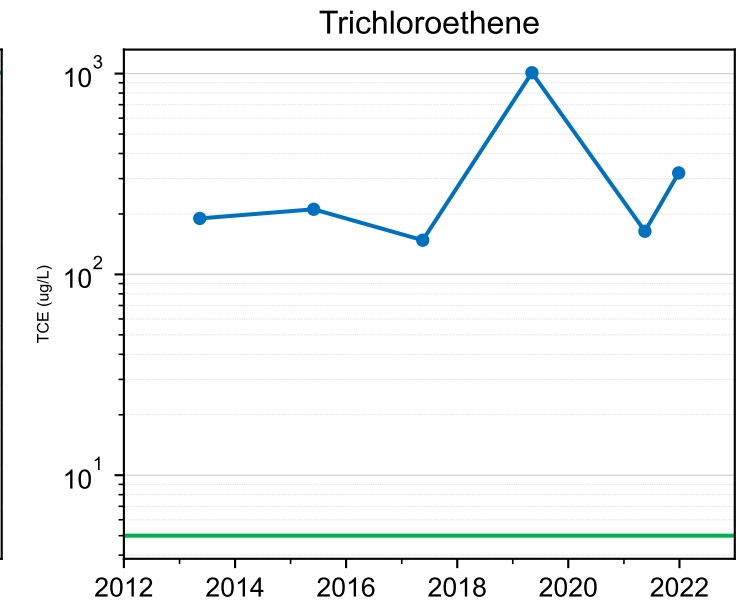
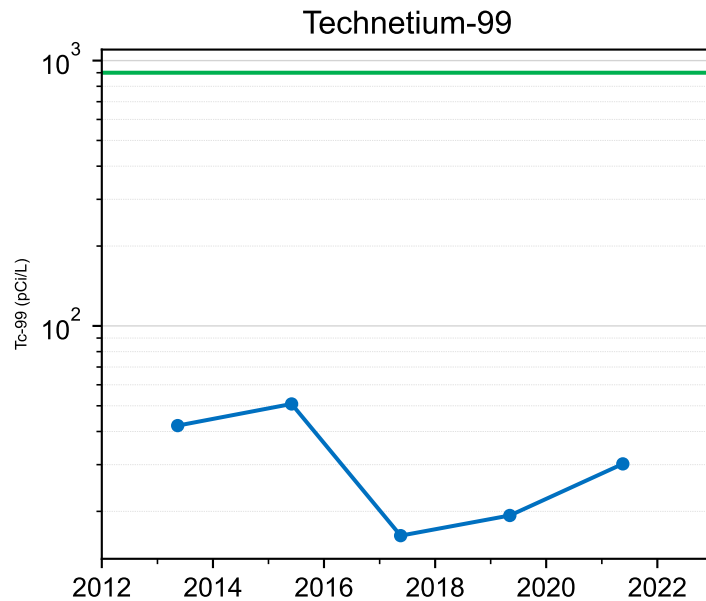
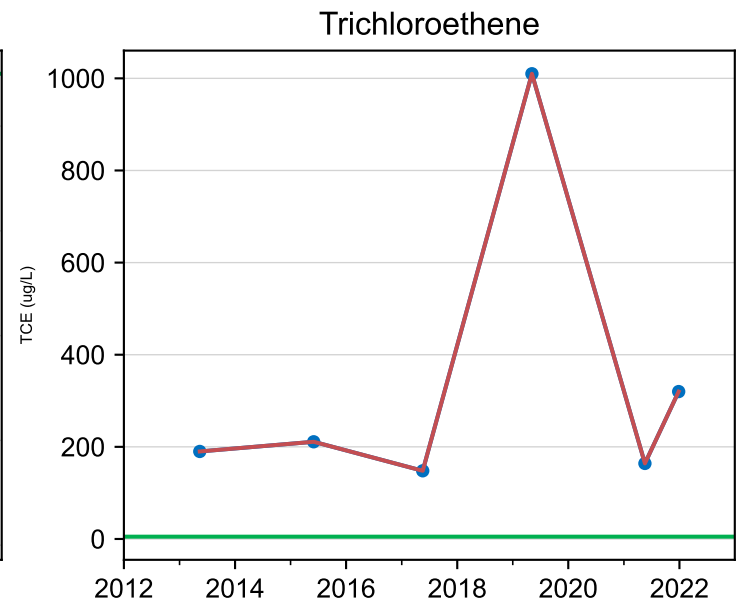
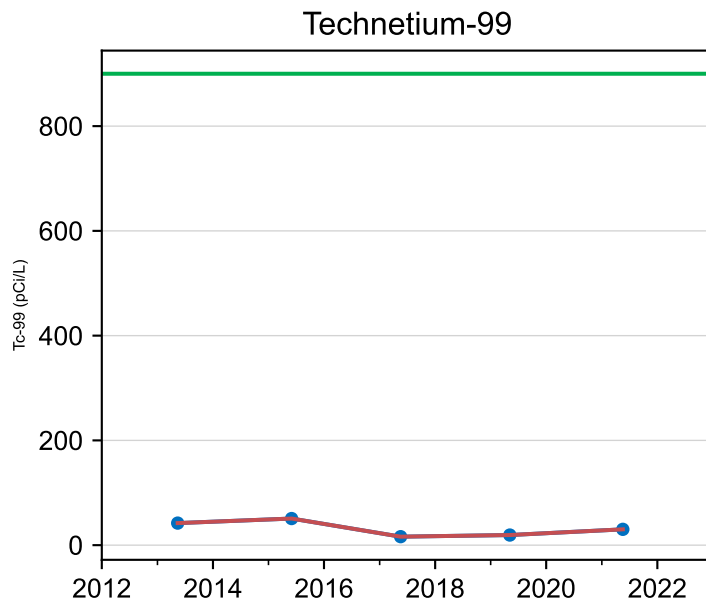
● Data
 — LOWESS
 — MCLs

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Figure 128. Tc-99 and TCE at MW415 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/14/2013	42.1	190.0
06/02/2015	50.8	211.0
05/19/2017	16.2 U	148.0
05/07/2019	19.3	1010.0
05/19/2021	30.2	164.0
12/27/2021		320.0



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

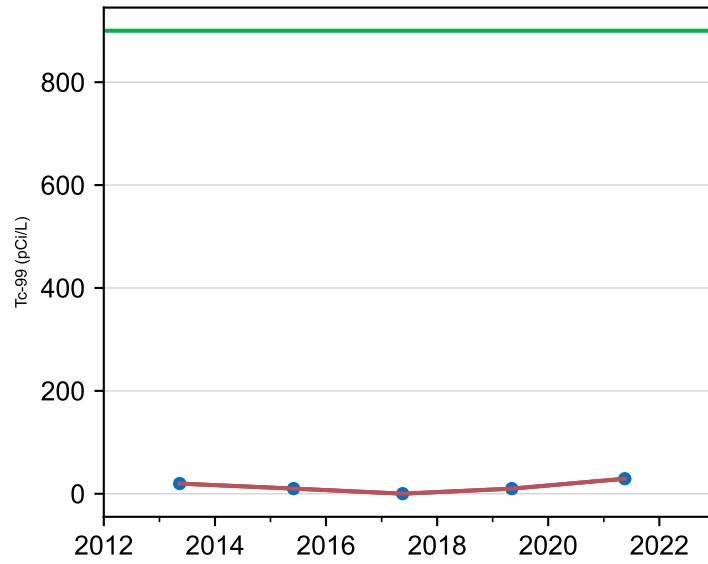
● Data
— LOWESS
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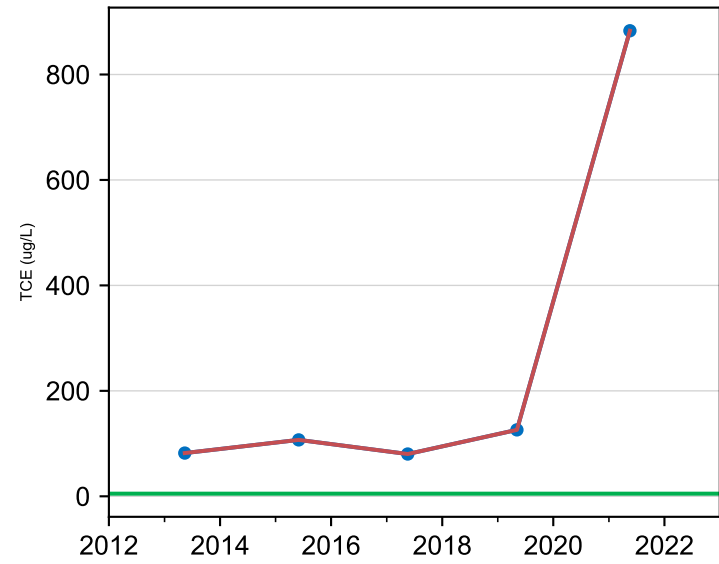
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Figure 129. Tc-99 and TCE at MW416 (MRGA)

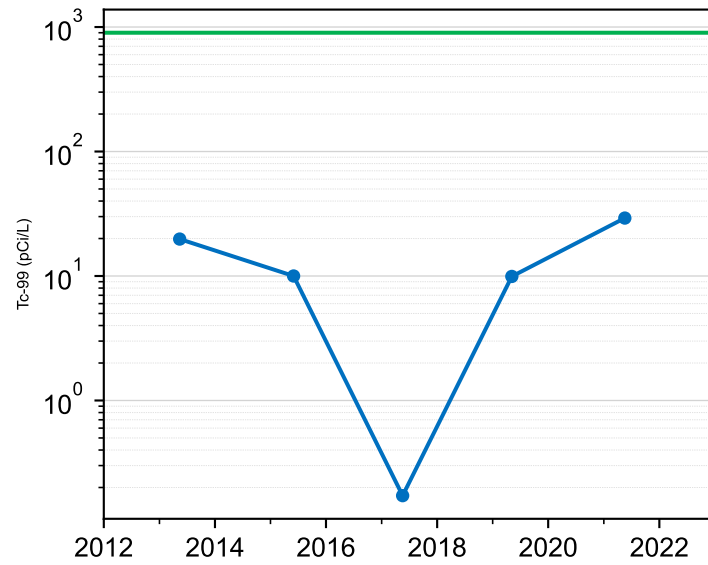
Technetium-99



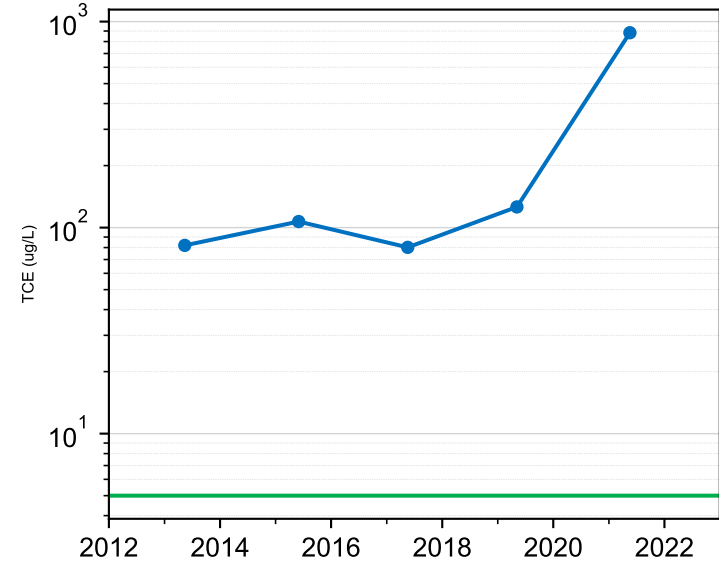
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/14/2013	19.8	82.0
06/02/2015	10.0 U	107.0
05/19/2017	0.172 U	80.2
05/07/2019	9.92 U	126.0
05/19/2021	29.2	883.0

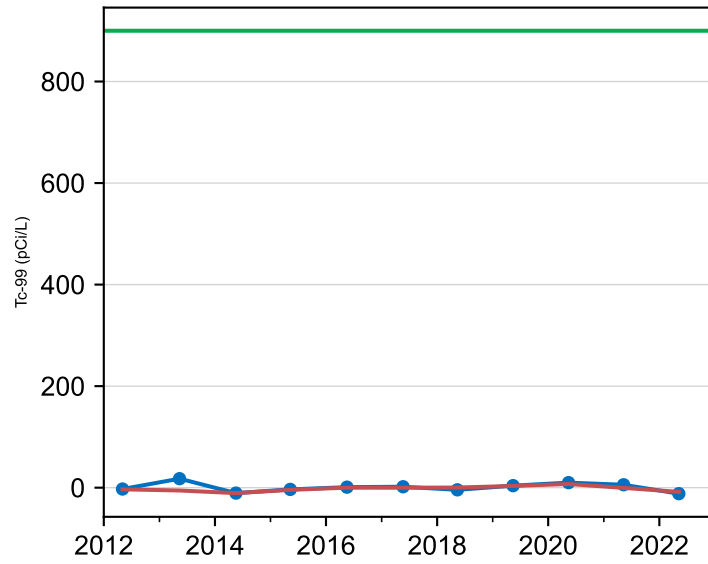
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

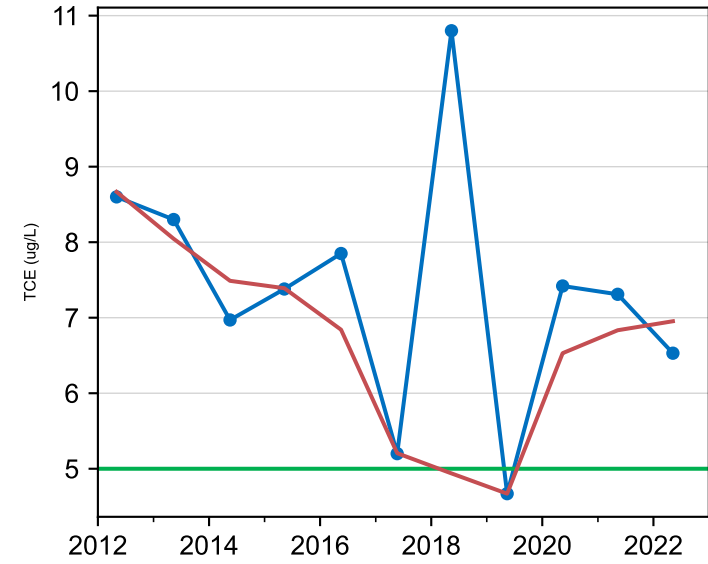
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Figure 130. Tc-99 and TCE at MW417 (LRGA)

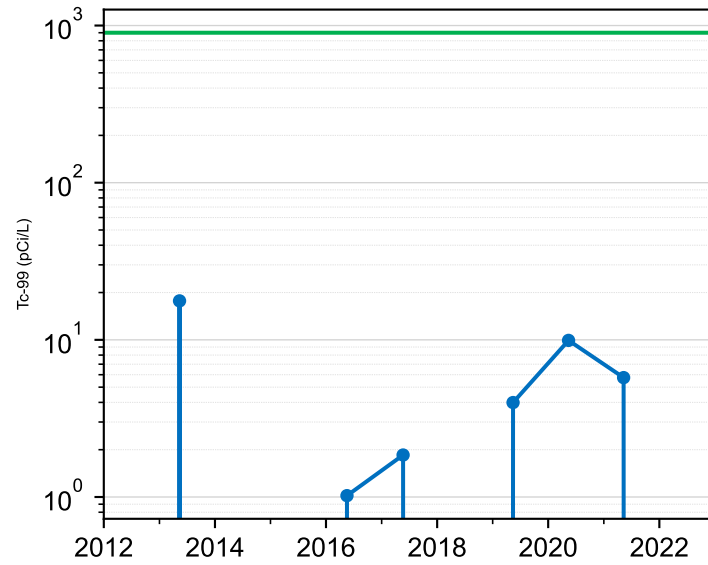
Technetium-99



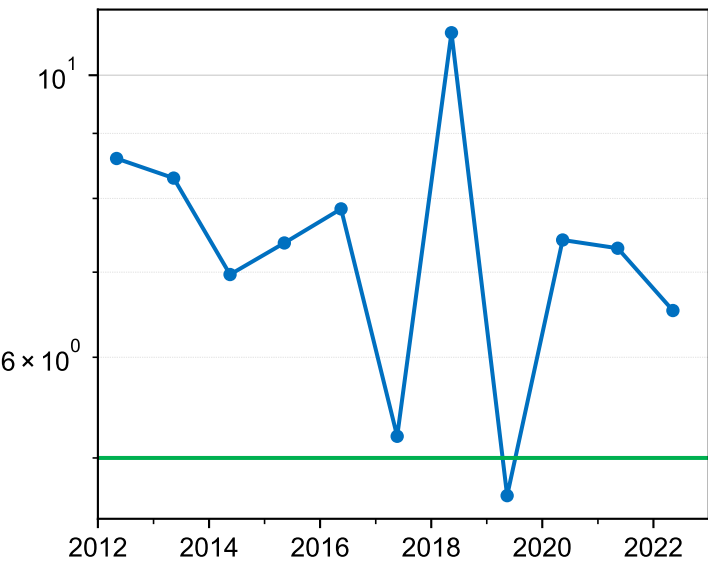
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/03/2012	-2.65 U	8.6
05/13/2013	17.7	8.3
05/19/2014	-10.7 U	6.97
05/11/2015	-3.41 U	7.38
05/18/2016	1.02 U	7.85
05/22/2017	1.85 U	5.2
05/14/2018	-4.23 U	10.8 J
05/15/2019	3.99 U	4.67
05/14/2020	9.92 U	7.42
05/11/2021	5.75 U	7.31
05/09/2022	-11.8 U	6.53

Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

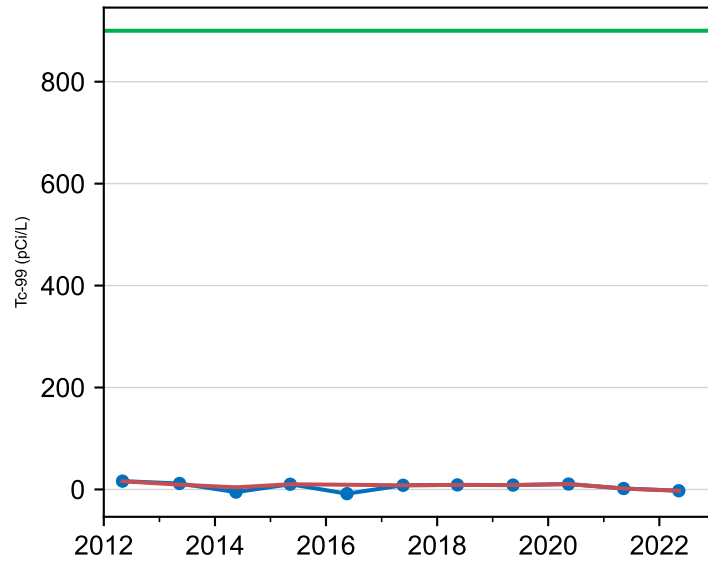
● Data
 — LOWESS
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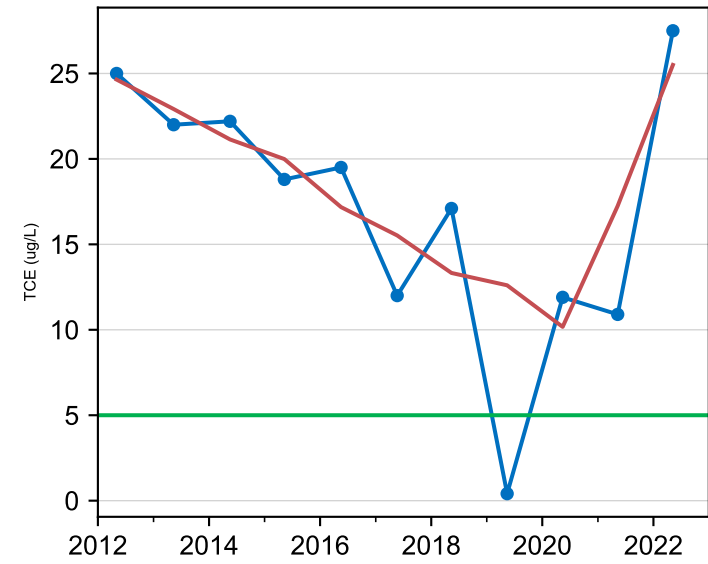
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Figure 131. Tc-99 and TCE at MW418 (MRGA)

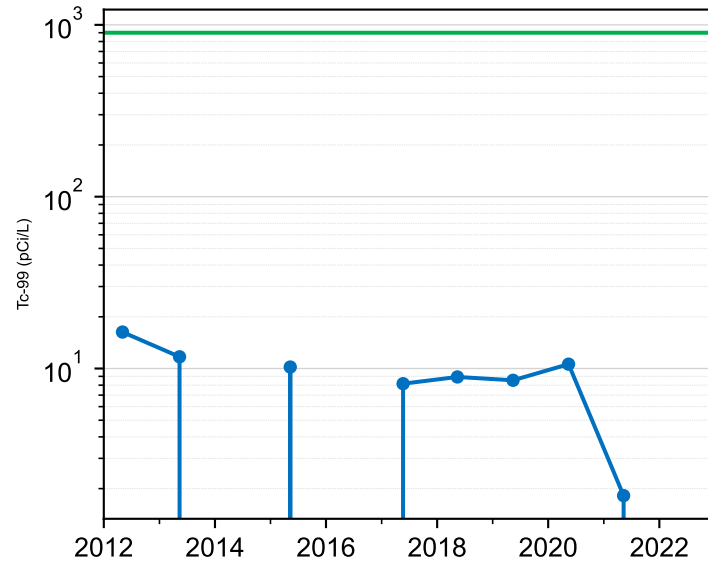
Technetium-99



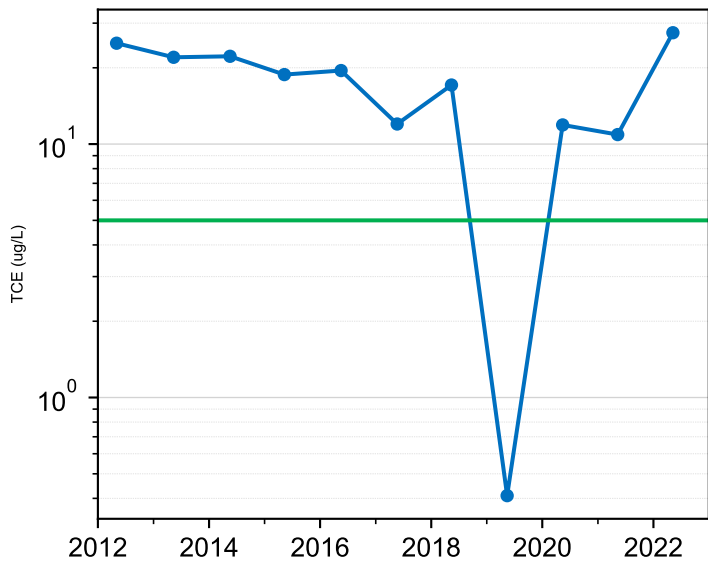
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/03/2012	16.3 U	25.0
05/13/2013	11.7 U	22.0
05/19/2014	-5.25 U	22.2
05/11/2015	10.2 U	18.8
05/18/2016	-8.29 U	19.5
05/22/2017	8.16 U	12.0
05/14/2018	8.93 U	17.1
05/15/2019	8.54 U	0.41 J
05/14/2020	10.6 U	11.9
05/11/2021	1.82 U	10.9
05/09/2022	-2.51 U	27.5

Notes:
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 2. J = Concentration is estimated.
 3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

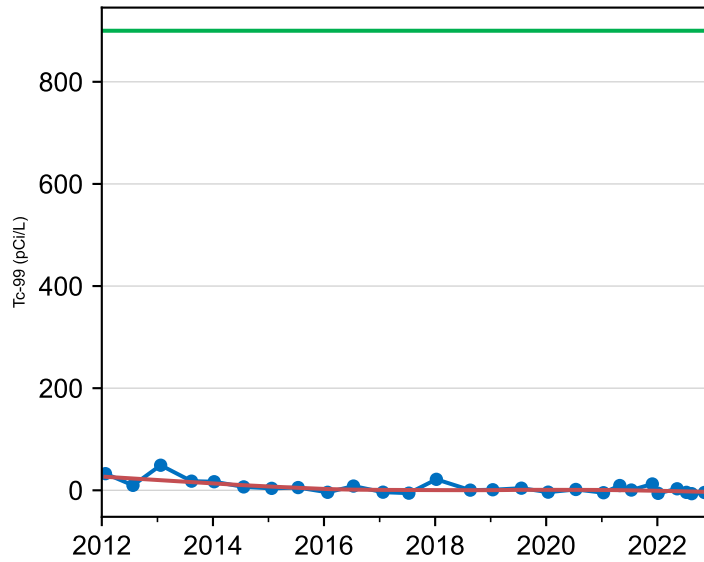
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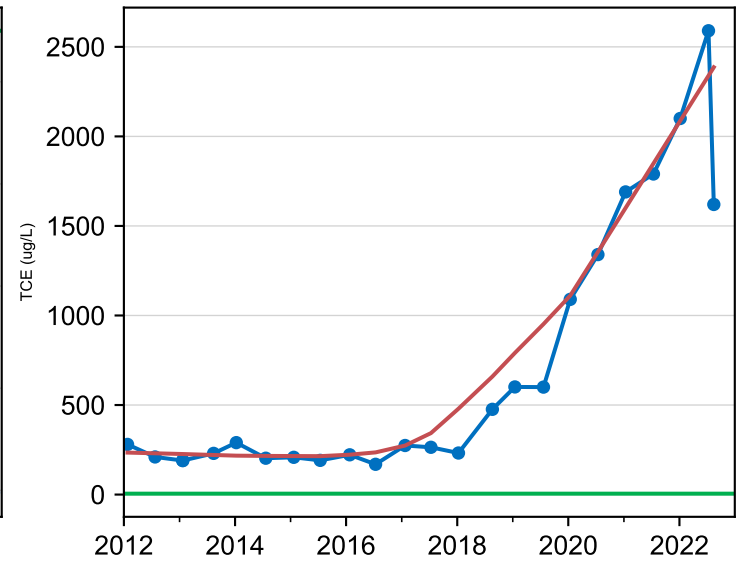
Figure 132. Tc-99 and TCE at MW419 (LRGA)

Source: Trend_Plots_V1.ipynb

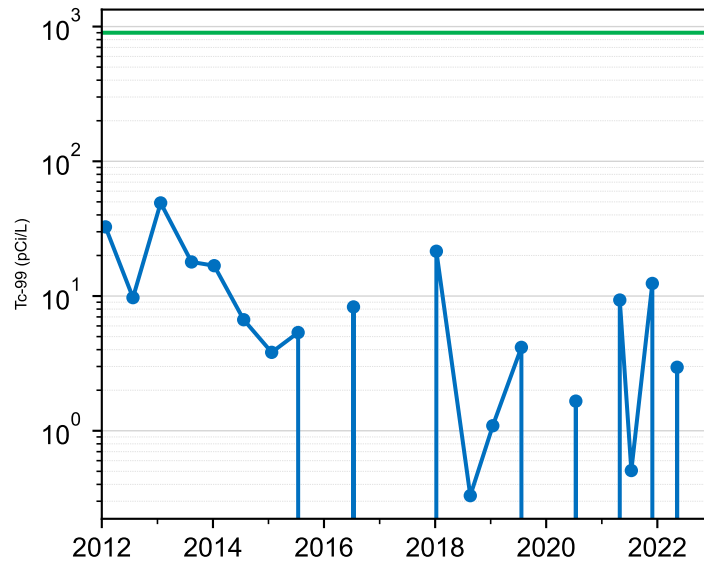
Technetium-99



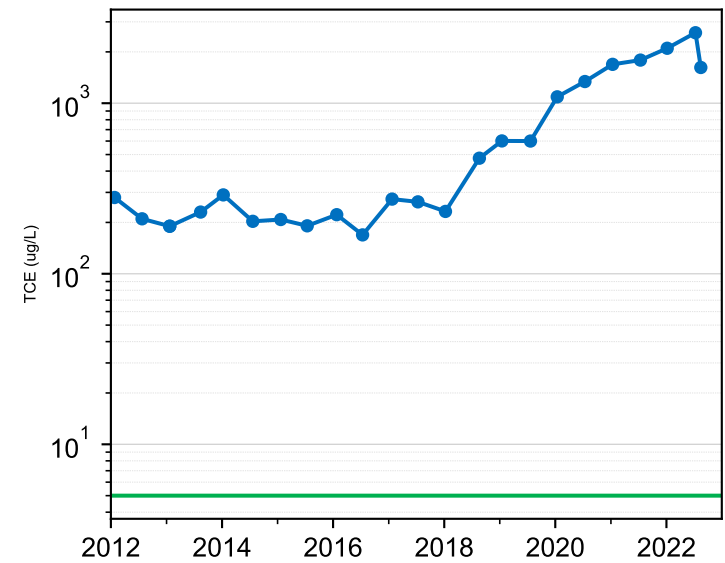
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/25/2012	32.6 J	280.0 J
07/24/2012	9.73 U	210.0
01/22/2013	49.1	190.0
08/13/2013	17.9 J	230.0
01/09/2014	16.8 J	290.0
07/22/2014	6.67 U	203.0
01/22/2015	3.82 U	208.0
07/15/2015	5.36 U	191.0
01/25/2016	-3.91 U	222.0
07/13/2016	8.3 U	169.0
01/23/2017	-3.67 U	274.0
07/12/2017	-5.59 U	264.0
01/09/2018	21.5 J	232.0 J
08/20/2018	0.33 U	476.0
01/15/2019	1.09 U	601.0
07/22/2019	4.16 U	600.0
01/14/2020	-3.61 U	1090.0
07/14/2020	1.66 U	1340.0
01/12/2021	-4.74 U	1690.0
04/29/2021	9.34 U	
07/14/2021	0.507 U	1790.0 J
11/29/2021	12.4 U	
01/06/2022	-5.91 U	2100.0
05/11/2022	2.96 U	
07/11/2022	-4.0 U	2590.0
08/15/2022	-6.58 U	1620.0
11/07/2022	-4.28 U	

- Notes:
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

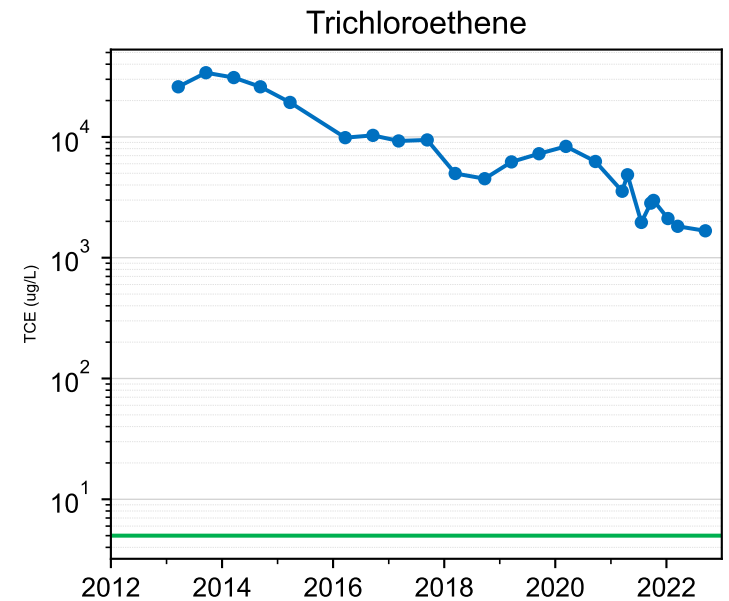
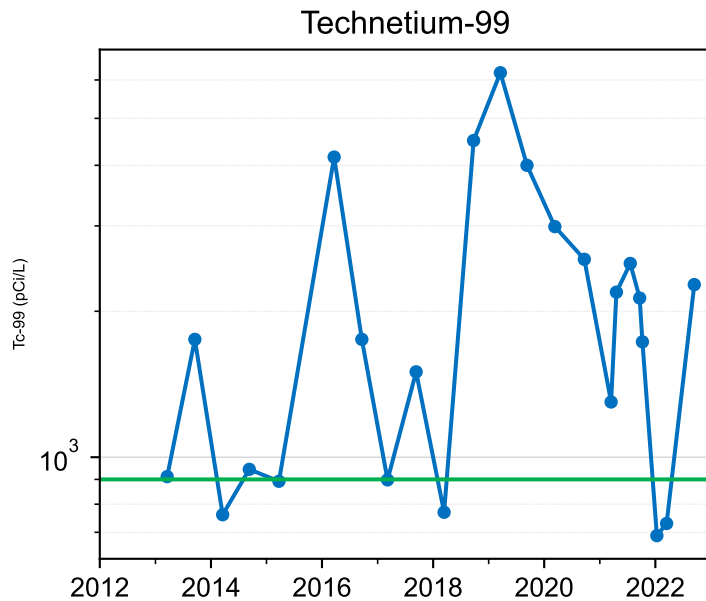
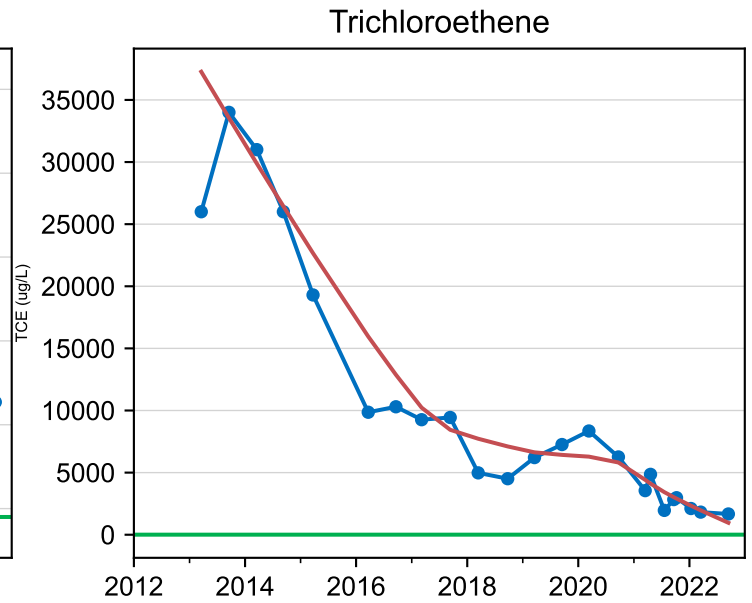
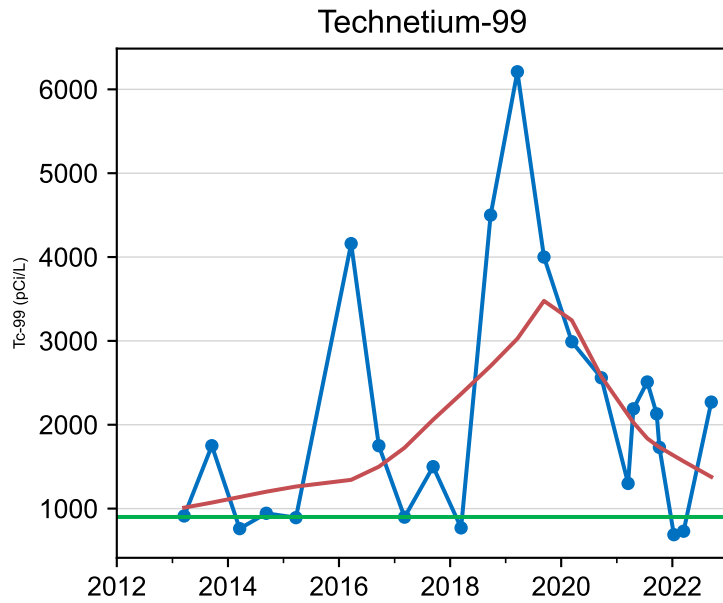
● Data
— LOWESS
— MCLs

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Figure 133. Tc-99 and TCE at MW420 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/19/2013	912.0	26000.0
09/17/2013	1750.0	34000.0
03/19/2014	761.0	31000.0
09/10/2014	944.0	26000.0
03/24/2015	892.0	19300.0
03/21/2016	4160.0	9860.0
09/19/2016	1750.0	10300.0
03/07/2017	898.0	9260.0
09/11/2017	1500.0	9440.0
03/14/2018	770.0	4980.0
09/24/2018	4500.0	4510.0
03/19/2019	6210.0	6210.0
09/10/2019	4000.0	
09/16/2019		7260.0
03/11/2020	2990.0	8350.0
09/21/2020	2560.0	6260.0
03/16/2021	1300.0	3550.0
04/20/2021	2190.0	4860.0
07/20/2021	2510.0	1960.0
09/20/2021	2130.0	2830.0
10/08/2021	1730.0	2980.0
01/11/2022	689.0	2110.0
03/16/2022	730.0	1820.0
09/14/2022	2270.0	1670.0



- Notes:
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 2. J = Concentration is estimated.
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

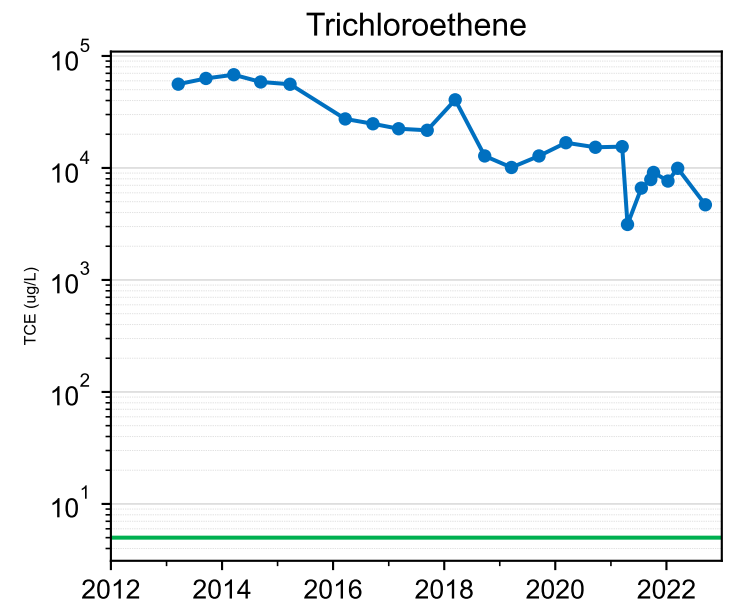
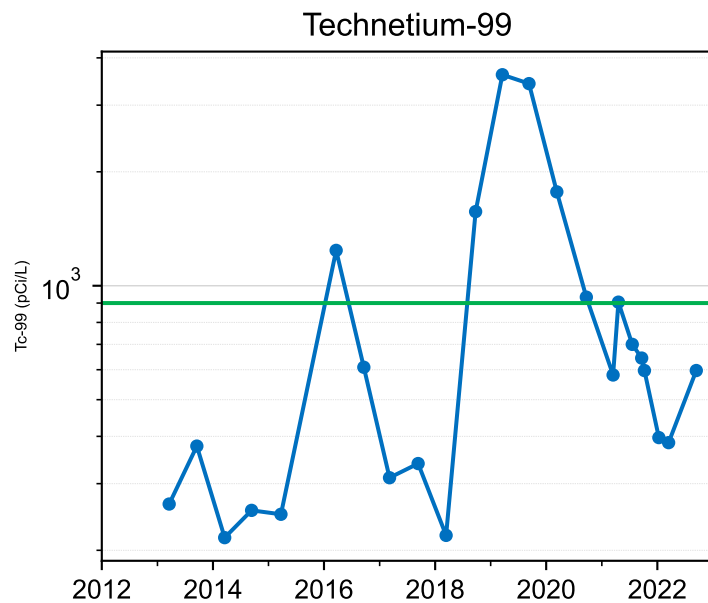
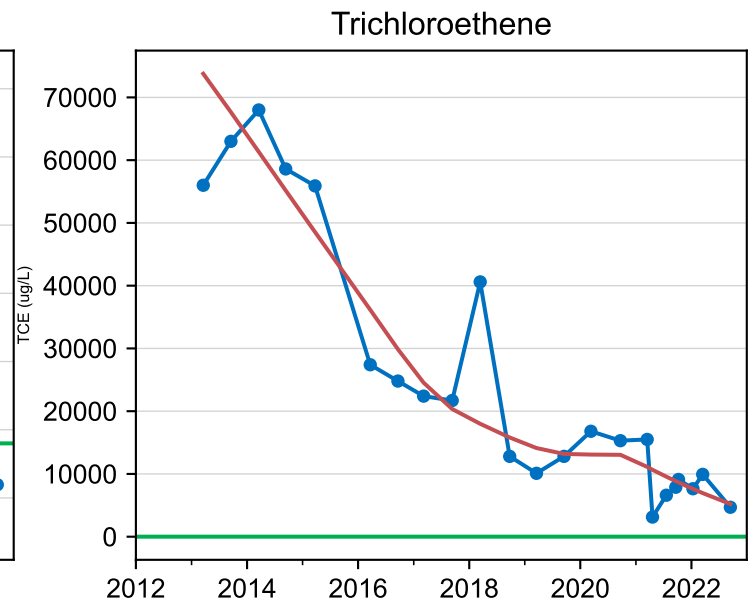
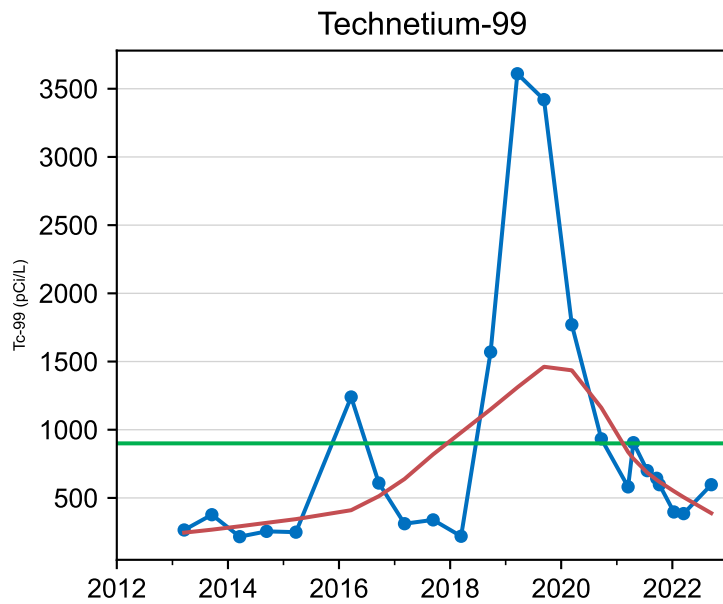
● Data — LOWESS
— MCLs

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Figure 134. Tc-99 and TCE at MW421-PRT1 (RGA (Multi-zone))

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/19/2013	265.0	56000.0
09/17/2013	377.0	63000.0
03/19/2014	216.0	68000.0
09/12/2014	255.0	58600.0
03/24/2015	249.0	55900.0
03/21/2016	1240.0	27400.0
09/19/2016	609.0	24800.0
03/07/2017	311.0	22400.0
09/11/2017	339.0	21700.0
03/14/2018	219.0	40600.0
09/24/2018	1570.0	12800.0
03/19/2019	3610.0	10100.0
09/10/2019	3420.0	
09/16/2019		12800.0
03/11/2020	1770.0	16800.0
09/21/2020	933.0	15300.0
03/16/2021	581.0	15500.0
04/20/2021	905.0	3130.0
07/20/2021	700.0	6610.0
09/20/2021	644.0	7880.0
10/08/2021	597.0	9120.0
01/11/2022	397.0	7640.0
03/16/2022	385.0	9930.0
09/14/2022	597.0	4690.0



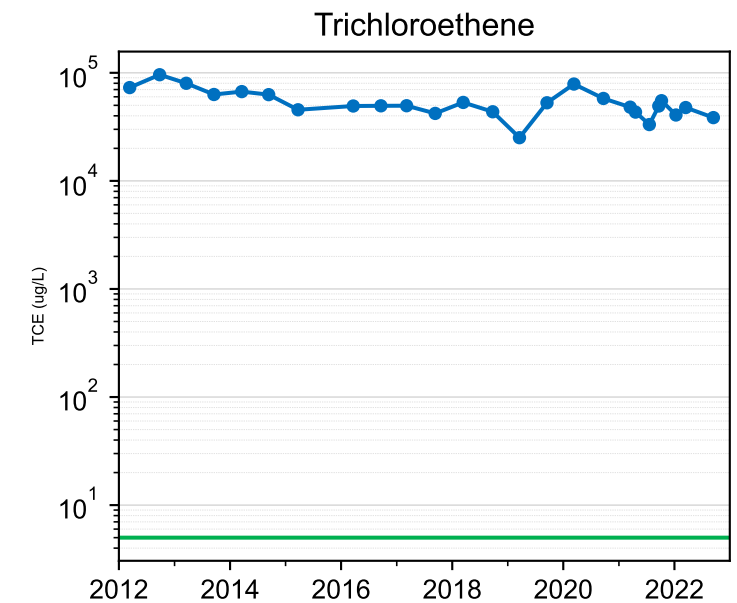
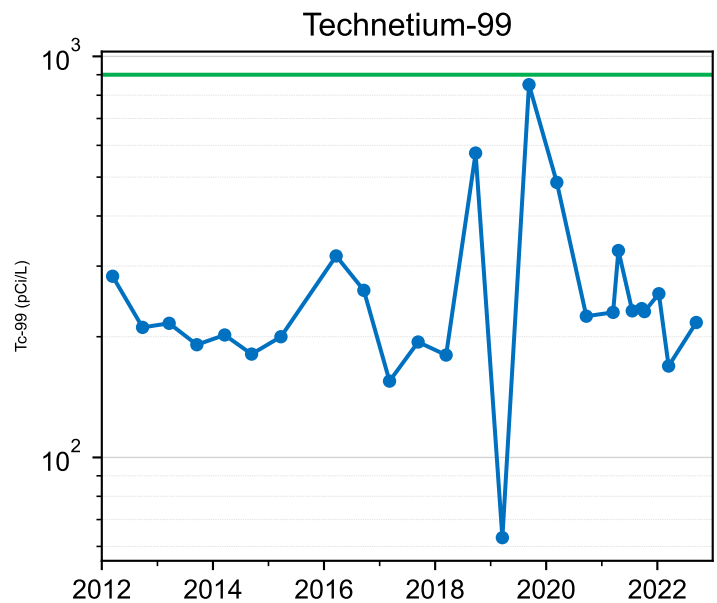
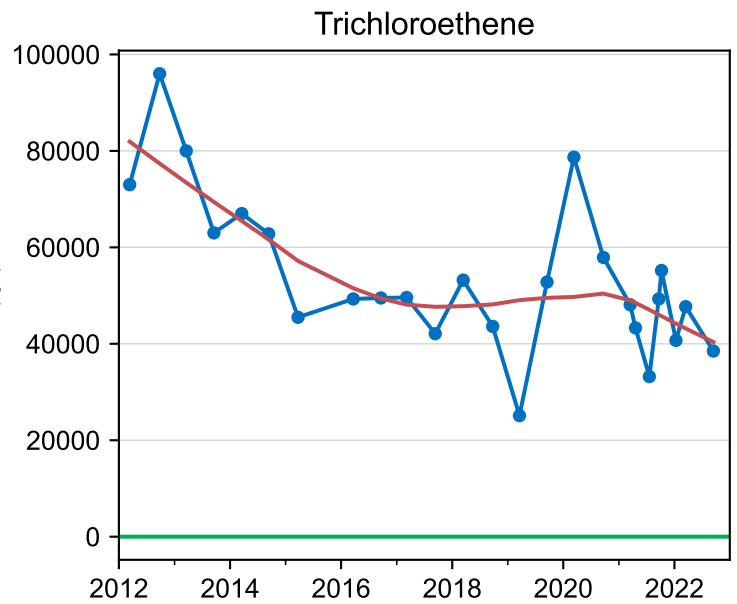
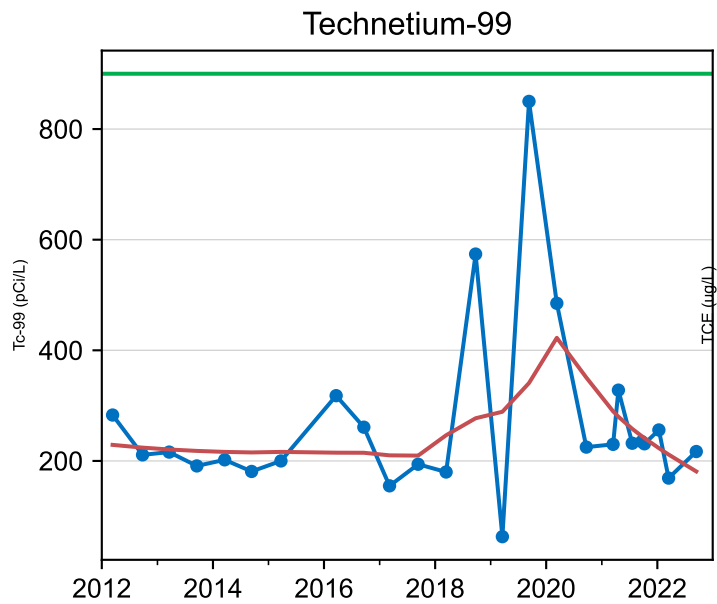
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

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Figure 135. Tc-99 and TCE at MW421-PRT2 (RGA (Multi-zone))

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/12/2012	283.0	73000.0 J
09/25/2012	211.0	96000.0
03/19/2013	216.0	80000.0
09/17/2013	191.0	63000.0 J
03/19/2014	202.0	67000.0
09/12/2014	181.0	62800.0
03/24/2015	200.0	45500.0
03/21/2016	318.0	49300.0
09/19/2016	261.0	49500.0
03/07/2017	155.0	49600.0
09/11/2017	194.0	42100.0
03/14/2018	180.0	53200.0
09/24/2018	574.0	43600.0
03/19/2019	63.1	25100.0
09/10/2019	850.0	
09/16/2019		52800.0
03/11/2020	485.0	78700.0
09/21/2020	225.0	57900.0
03/16/2021	230.0	48100.0
04/20/2021	328.0	43300.0
07/20/2021	232.0	33200.0
09/20/2021	235.0	49300.0
10/08/2021	231.0	55200.0
01/11/2022	256.0	40700.0
03/16/2022	169.0	47700.0
09/14/2022	217.0	38500.0



- Notes:
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 2. J = Concentration is estimated.
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs


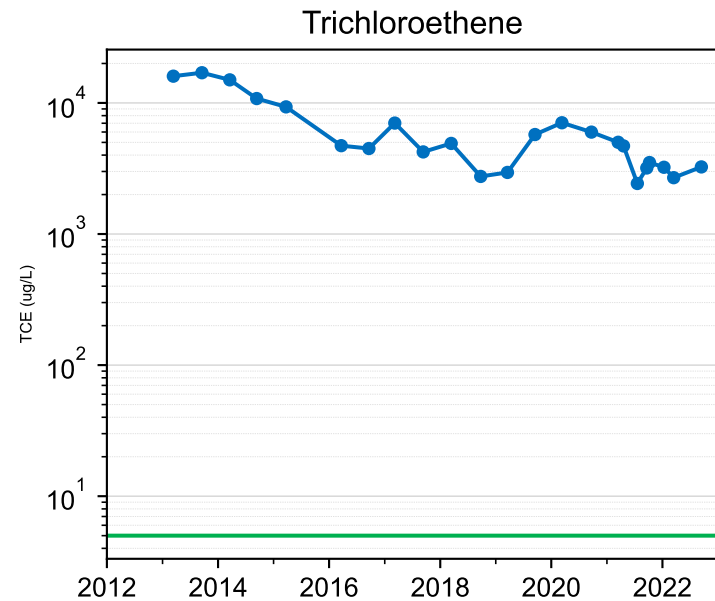
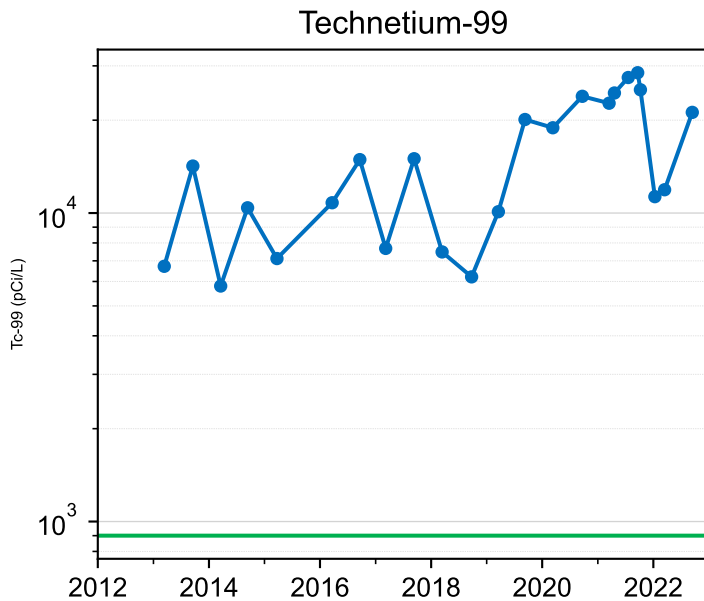
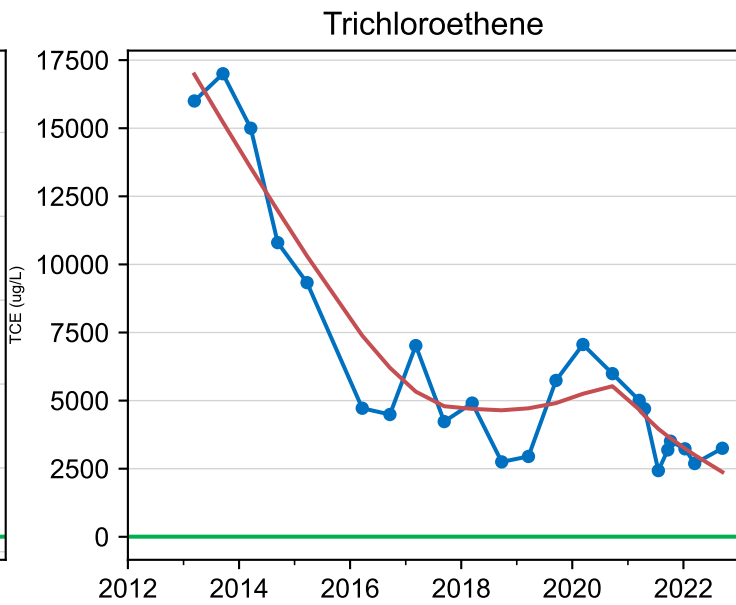
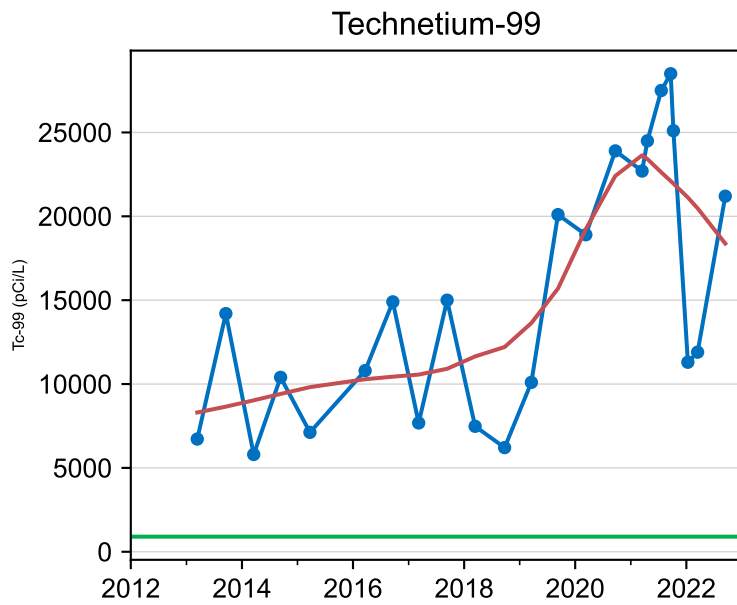
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Figure 136. Tc-99 and TCE at MW421-PRT3 (RGA (Multi-zone))

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2013	6720.0	16000.0
09/17/2013	14200.0	17000.0
03/19/2014	5800.0	15000.0
09/12/2014	10400.0	10800.0
03/24/2015	7120.0	9330.0
03/21/2016	10800.0	4720.0
09/19/2016	14900.0	4490.0
03/08/2017	7680.0	7020.0
09/11/2017	15000.0	4230.0
03/14/2018	7480.0	4910.0
09/24/2018	6210.0	2750.0
03/19/2019	10100.0	2950.0
09/10/2019	20100.0	
09/16/2019		5740.0
03/11/2020	18900.0	7060.0
09/21/2020	23900.0	5990.0
03/16/2021	22700.0	5010.0
04/20/2021	24500.0	4700.0
07/20/2021	27500.0	2430.0
09/20/2021	28500.0	3190.0
10/08/2021	25100.0	3510.0
01/11/2022	11300.0	3230.0
03/16/2022	11900.0	2690.0
09/14/2022	21200.0	3250.0



- Notes:
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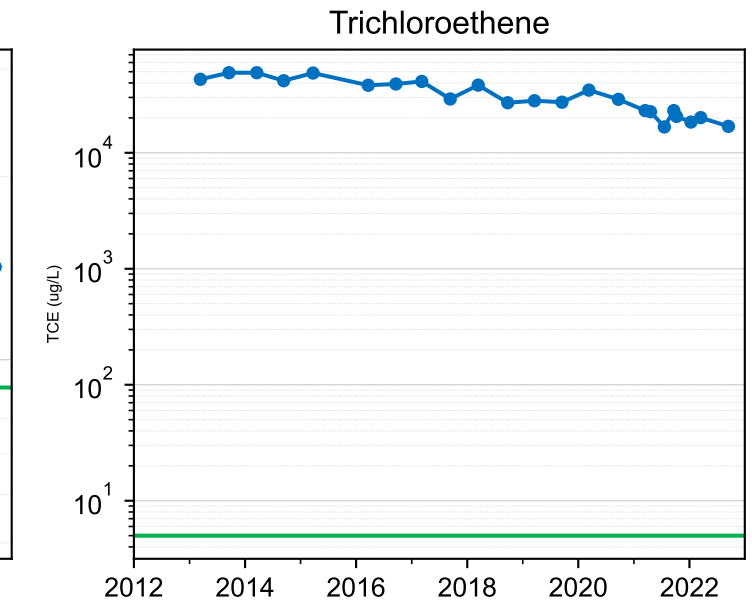
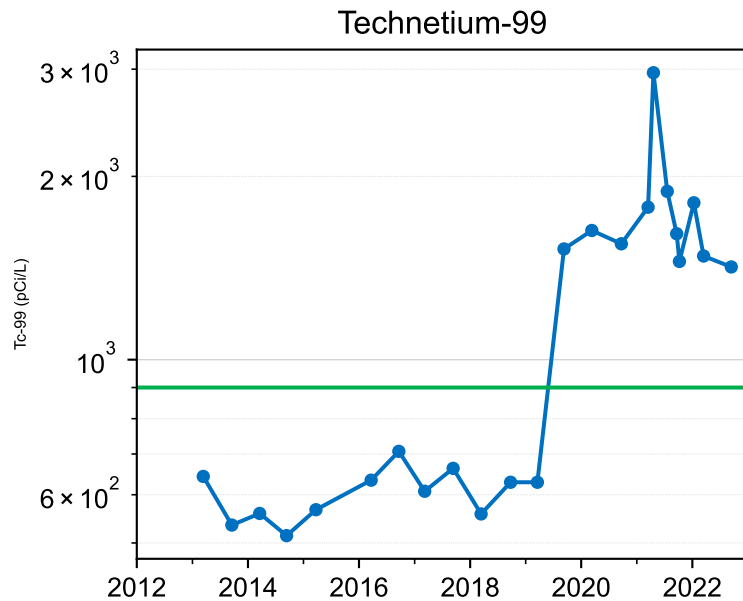
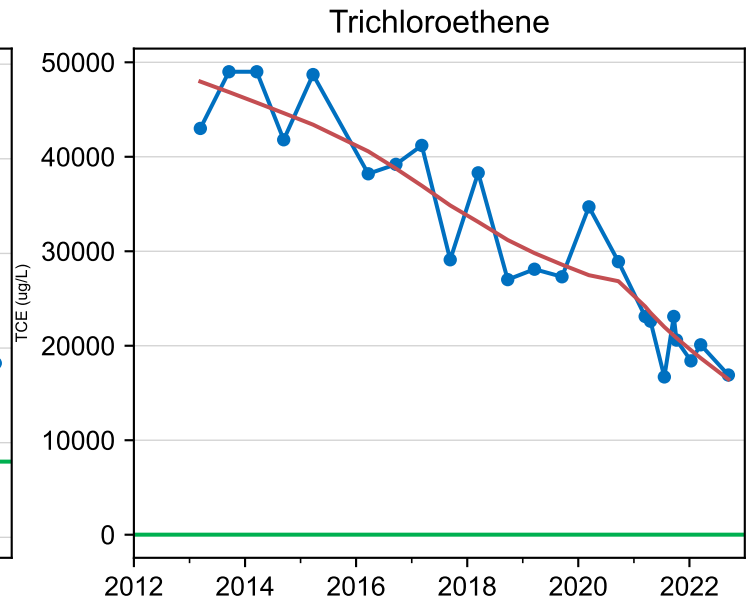
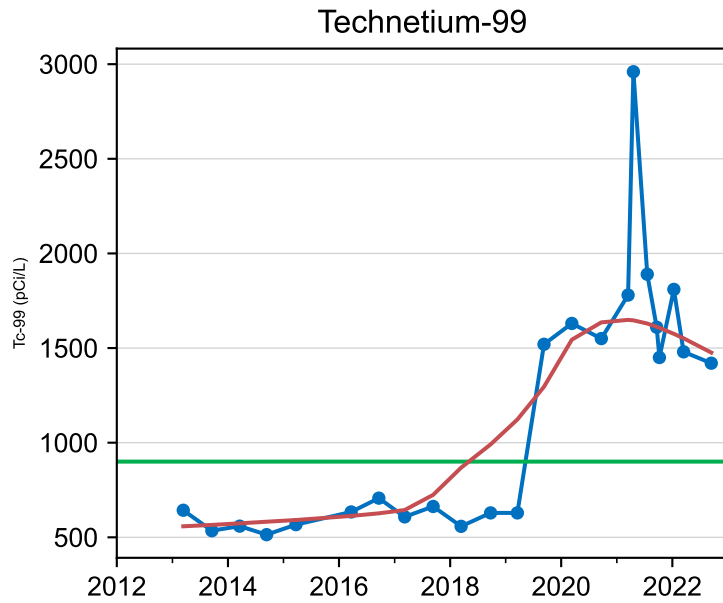
● Data
— LOWESS
— MCLs

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Figure 137. Tc-99 and TCE at MW422-PRT1 (RGA (Multi-zone))

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2013	643.0	43000.0
09/17/2013	535.0	49000.0 J
03/19/2014	559.0	49000.0
09/12/2014	514.0	41800.0
03/24/2015	567.0	48700.0
03/21/2016	634.0	38200.0
09/19/2016	707.0	39200.0
03/08/2017	608.0	41200.0
09/11/2017	663.0	29100.0
03/14/2018	558.0	38300.0
09/24/2018	629.0	27000.0
03/19/2019	629.0	28100.0
09/10/2019	1520.0	
09/16/2019		27300.0
03/11/2020	1630.0	34700.0
09/21/2020	1550.0	28900.0
03/16/2021	1780.0	23100.0
04/20/2021	2960.0	22600.0
07/20/2021	1890.0	16700.0
09/20/2021	1610.0	23100.0
10/08/2021	1450.0	20600.0
01/11/2022	1810.0	18400.0
03/16/2022	1480.0	20100.0
09/14/2022	1420.0	16900.0



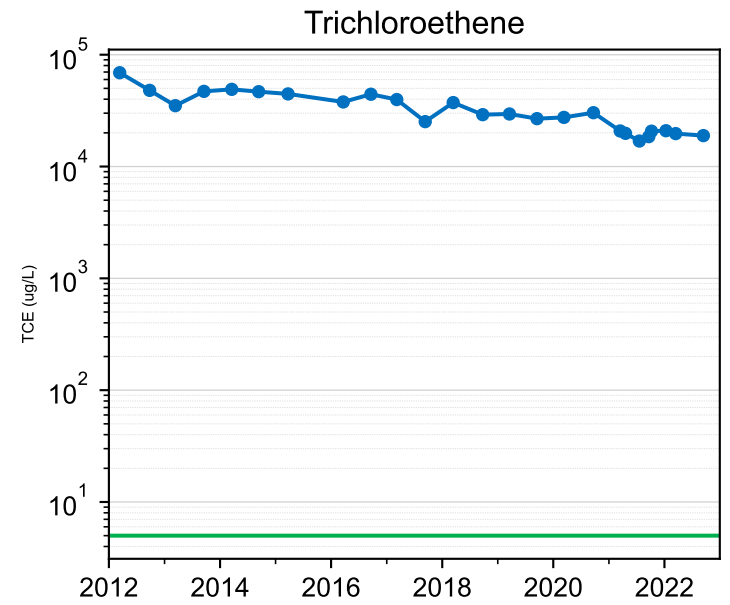
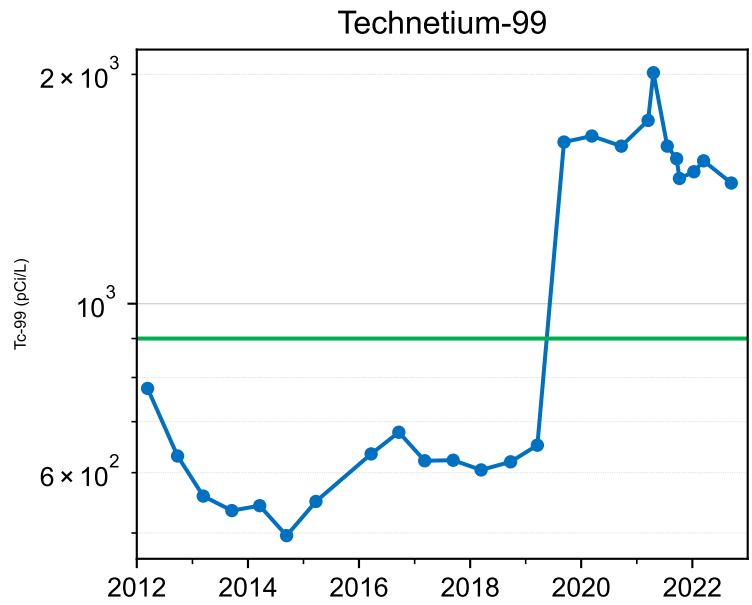
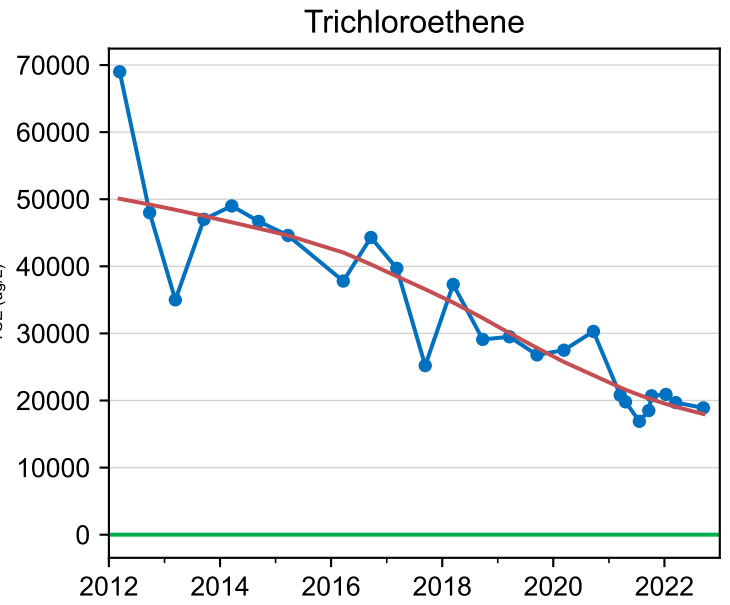
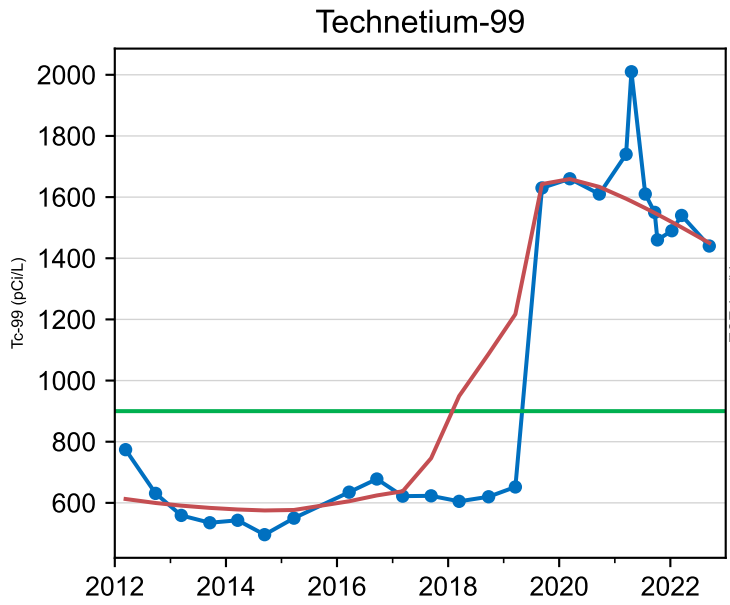
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

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Figure 138. Tc-99 and TCE at MW422-PRT2 (RGA (Multi-zone))

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/12/2012	774.0	69000.0 J
09/25/2012	631.0	48000.0
03/13/2013	559.0	35000.0
09/17/2013	535.0	47000.0
03/19/2014	543.0	49000.0
09/12/2014	496.0	46700.0
03/24/2015	550.0	44600.0
03/21/2016	635.0	37800.0
09/19/2016	678.0	44300.0
03/08/2017	622.0	39700.0
09/11/2017	623.0	25200.0
03/14/2018	605.0	37300.0
09/24/2018	620.0	29100.0
03/19/2019	652.0	29500.0
09/10/2019	1630.0	
09/16/2019		26800.0
03/11/2020	1660.0	27500.0
09/21/2020	1610.0	30300.0
03/16/2021	1740.0	20800.0
04/20/2021	2010.0	19800.0
07/20/2021	1610.0	16900.0
09/20/2021	1550.0	18500.0
10/08/2021	1460.0	20700.0
01/11/2022	1490.0	20900.0
03/16/2022	1540.0	19700.0
09/14/2022	1440.0	18900.0



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

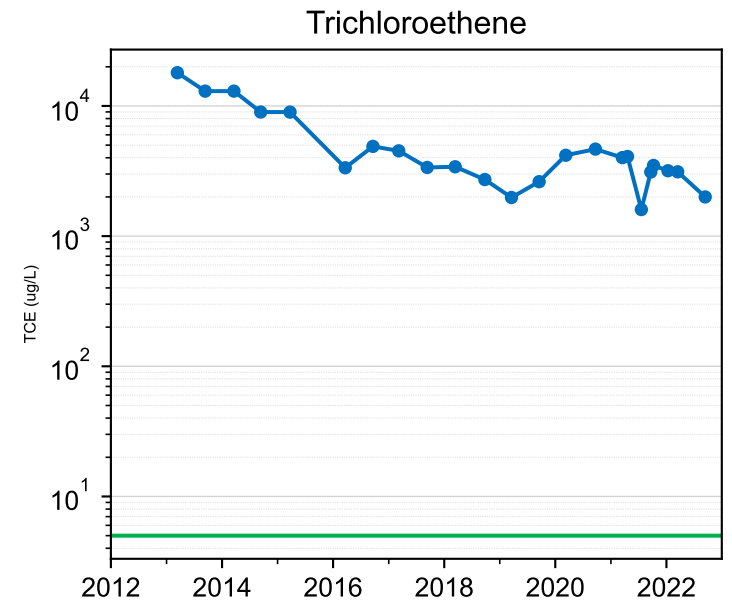
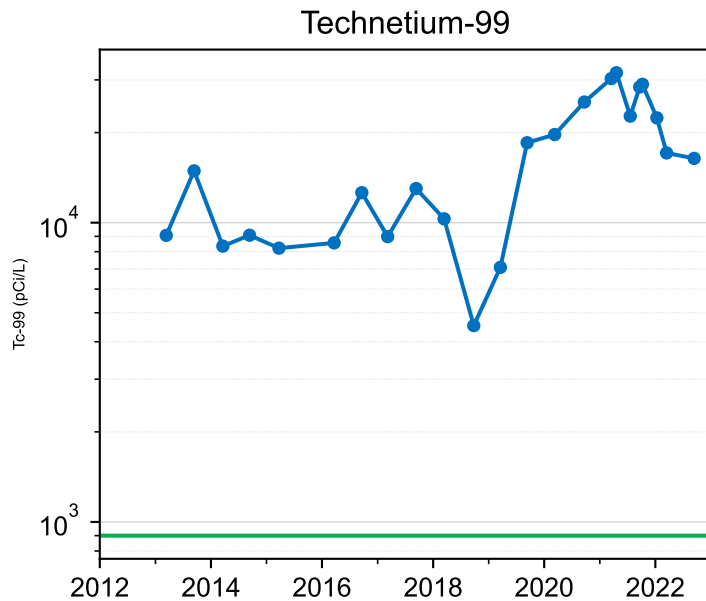
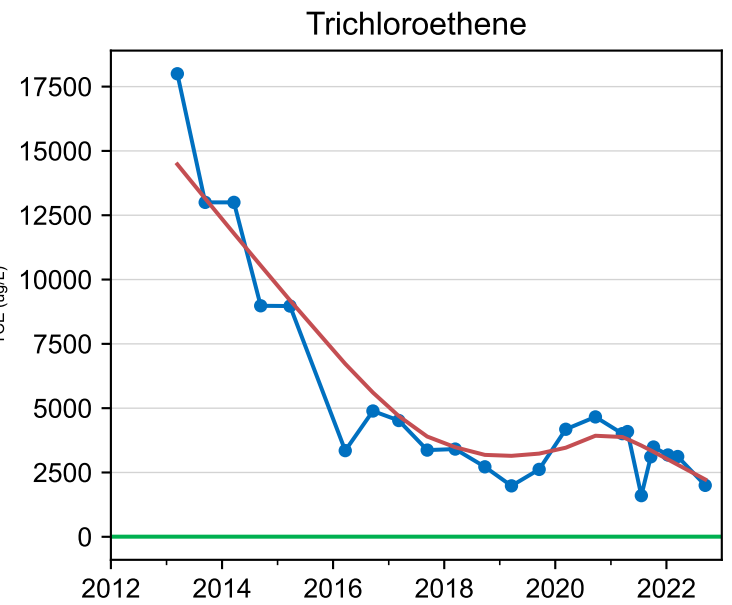
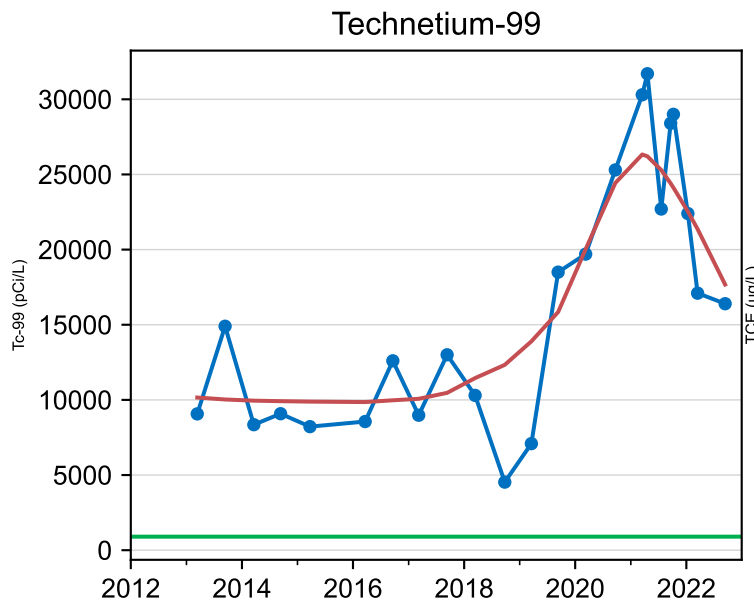
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 PADUCAH GASEOUS DIFFUSION PLANT



Figure 139. Tc-99 and TCE at MW422-PRT3 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2013	9070.0	18000.0
09/12/2013	14900.0	13000.0
03/20/2014	8350.0	13000.0
09/12/2014	9080.0	8980.0
03/24/2015	8220.0	8970.0
03/21/2016	8560.0	3350.0
09/19/2016	12600.0	4890.0
03/08/2017	8980.0	4520.0
09/11/2017	13000.0	3370.0
03/14/2018	10300.0	3410.0
09/25/2018	4530.0	2720.0
03/19/2019	7090.0	1980.0
09/11/2019	18500.0	
09/17/2019		2620.0
03/10/2020	19700.0	4180.0
09/21/2020	25300.0	4660.0
03/17/2021	30300.0	4010.0
04/20/2021	31700.0	4090.0
07/20/2021	22700.0	1600.0
09/20/2021	28400.0	3110.0
10/08/2021	29000.0	3490.0
01/11/2022	22400.0	3180.0
03/16/2022	17100.0	3120.0
09/13/2022	16400.0	2000.0



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

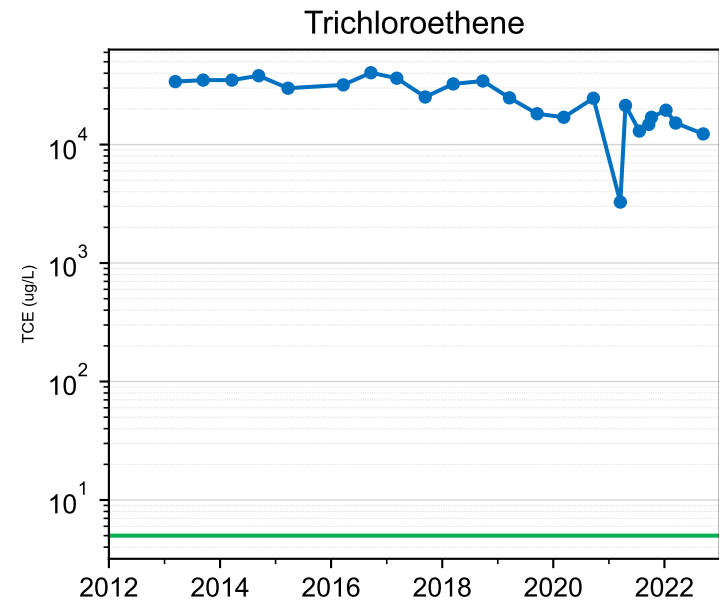
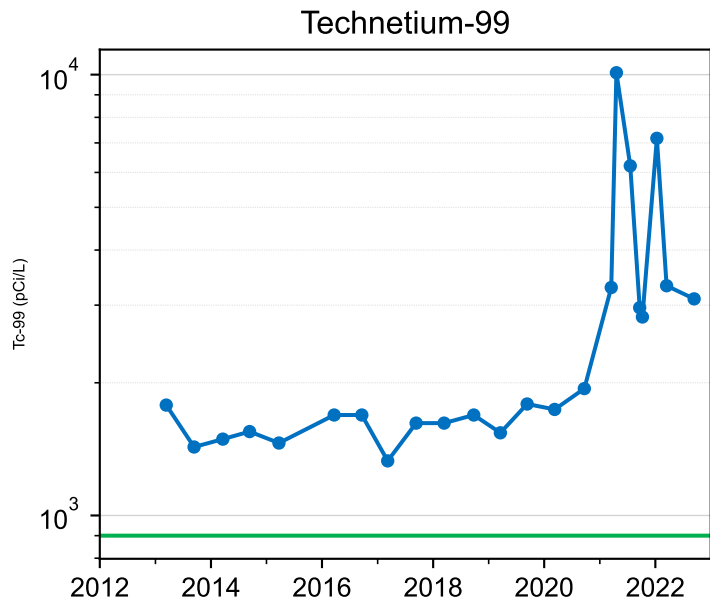
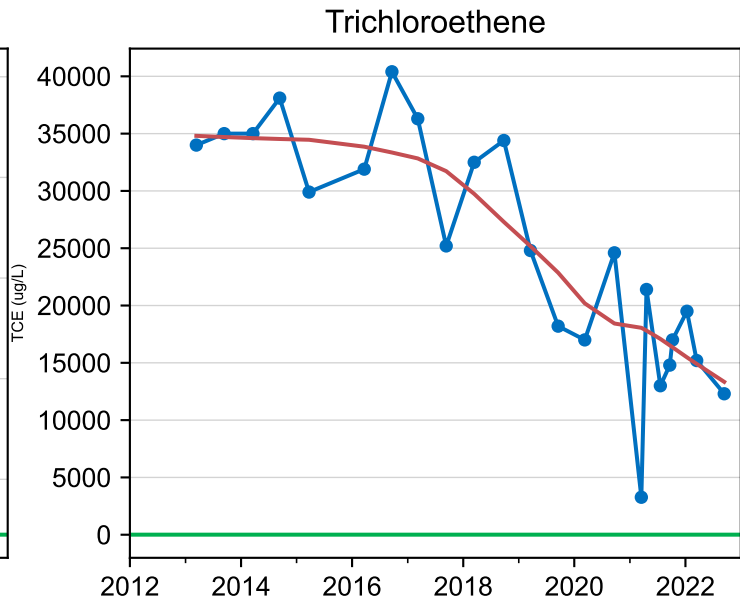
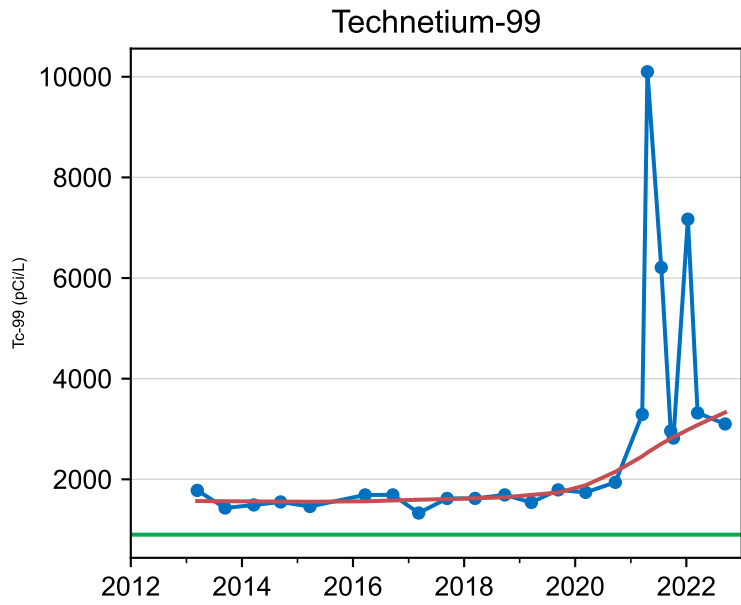
● Data
— LOWESS
— MCLs

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Figure 140. Tc-99 and TCE at MW423-PRT1 (RGA (Multi-zone))

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2013	1780.0	34000.0
09/12/2013	1430.0	35000.0 J
03/20/2014	1490.0	35000.0
09/12/2014	1550.0	38100.0
03/24/2015	1460.0	29900.0
03/21/2016	1690.0	31900.0
09/19/2016	1690.0	40400.0
03/08/2017	1330.0	36300.0
09/11/2017	1620.0	25200.0
03/14/2018	1620.0	32500.0
09/25/2018	1690.0	34400.0
03/19/2019	1540.0	24800.0
09/11/2019	1790.0	
09/17/2019		18200.0
03/10/2020	1740.0	17000.0
09/21/2020	1940.0	24600.0
03/17/2021	3290.0	3270.0
04/20/2021	10100.0	21400.0
07/20/2021	6210.0	13000.0
09/20/2021	2960.0	14800.0 J
10/08/2021	2820.0	17000.0
01/11/2022	7170.0	19500.0
03/16/2022	3320.0	15200.0
09/13/2022	3100.0	12300.0



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

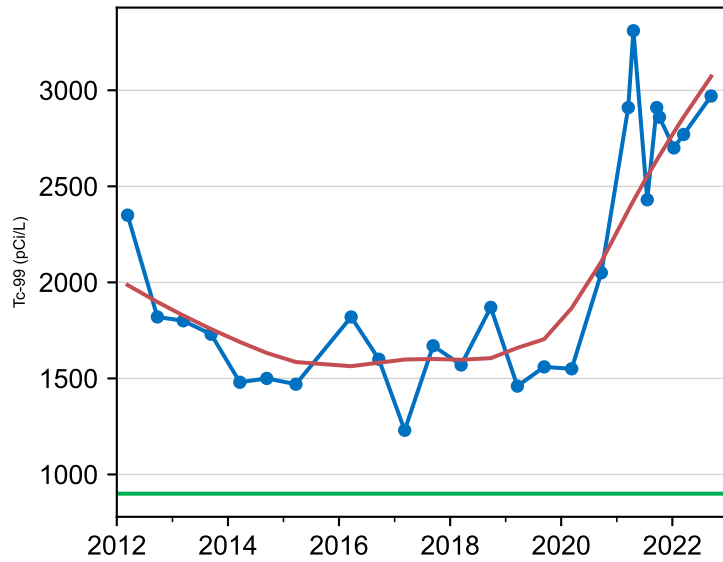
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 PADUCAH GASEOUS DIFFUSION PLANT

FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

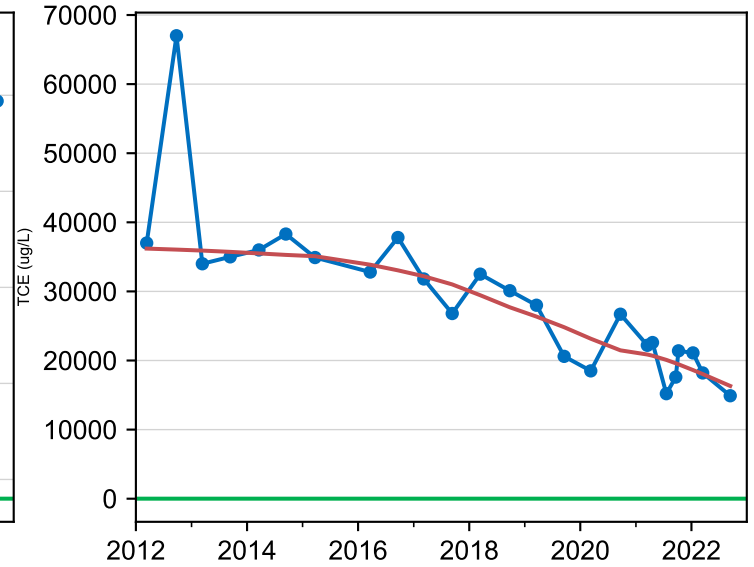
Figure 141. Tc-99 and TCE at MW423-PRT2 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

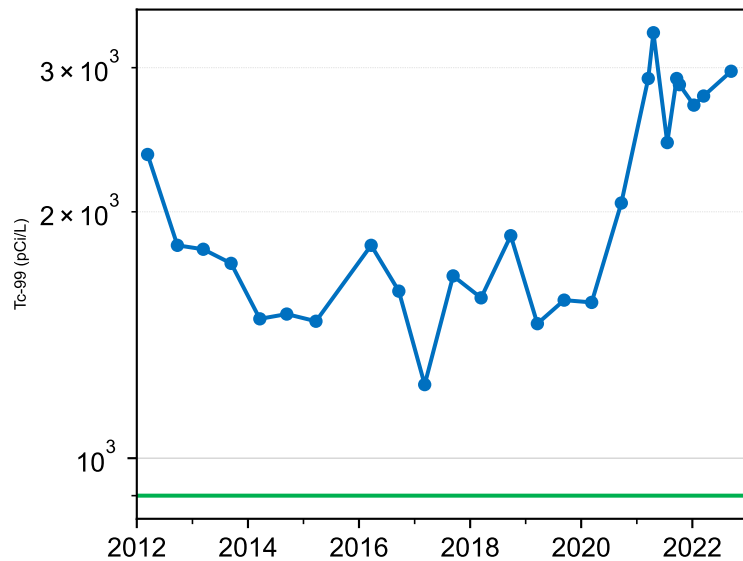
Technetium-99



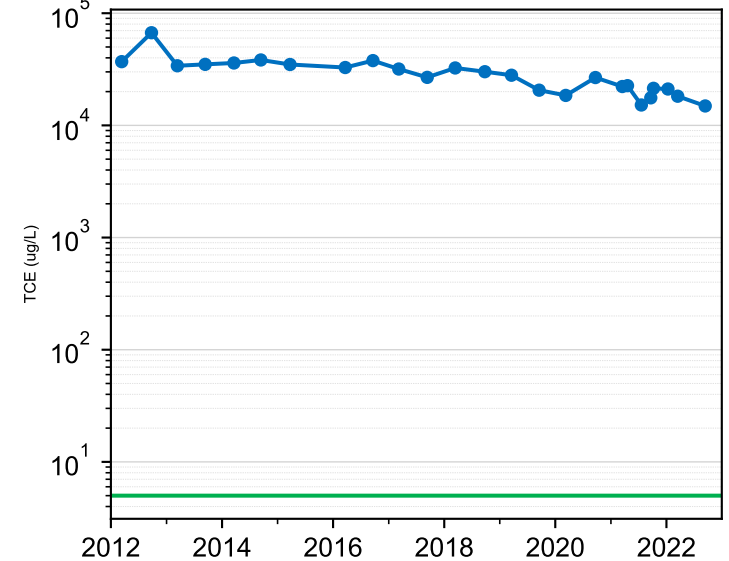
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/12/2012	2350.0	37000.0 J
09/24/2012	1820.0	67000.0
03/13/2013	1800.0	34000.0
09/12/2013	1730.0	35000.0
03/20/2014	1480.0	36000.0
09/13/2014	1500.0	38300.0
03/24/2015	1470.0	34900.0
03/21/2016	1820.0	32800.0
09/19/2016	1600.0	37800.0
03/08/2017	1230.0	31800.0
09/11/2017	1670.0	26800.0
03/14/2018	1570.0	32500.0
09/25/2018	1870.0	30100.0
03/19/2019	1460.0	28000.0
09/11/2019	1560.0	
09/17/2019		20600.0
03/10/2020	1550.0	18500.0
09/21/2020	2050.0	26700.0
03/17/2021	2910.0	22200.0
04/20/2021	3310.0	22600.0
07/20/2021	2430.0	15200.0
09/20/2021	2910.0	17600.0
10/08/2021	2860.0	21400.0
01/11/2022	2700.0	21100.0
03/16/2022	2770.0	18200.0
09/13/2022	2970.0	14900.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

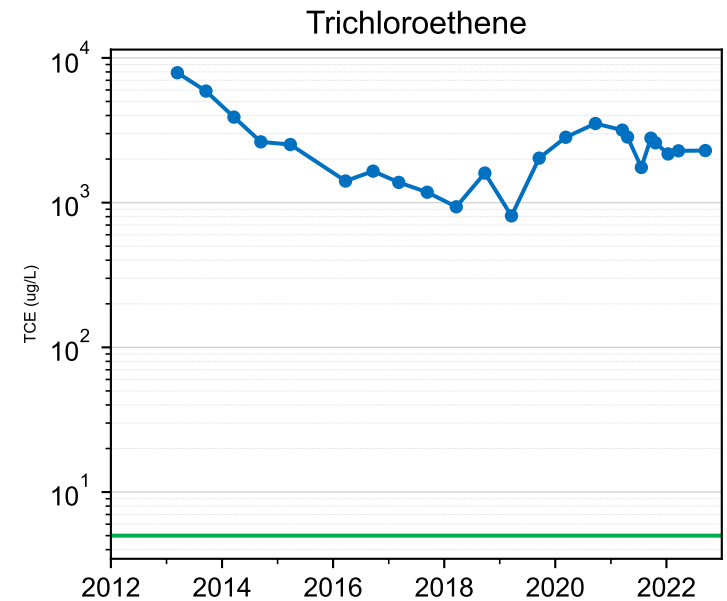
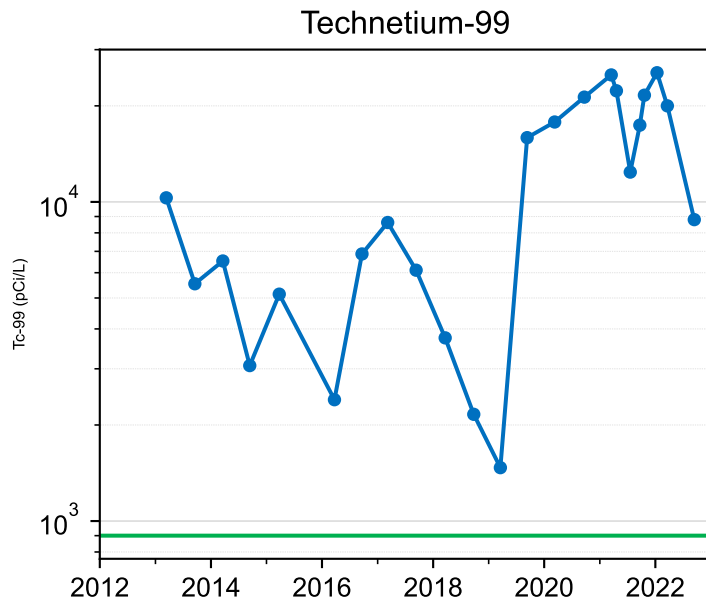
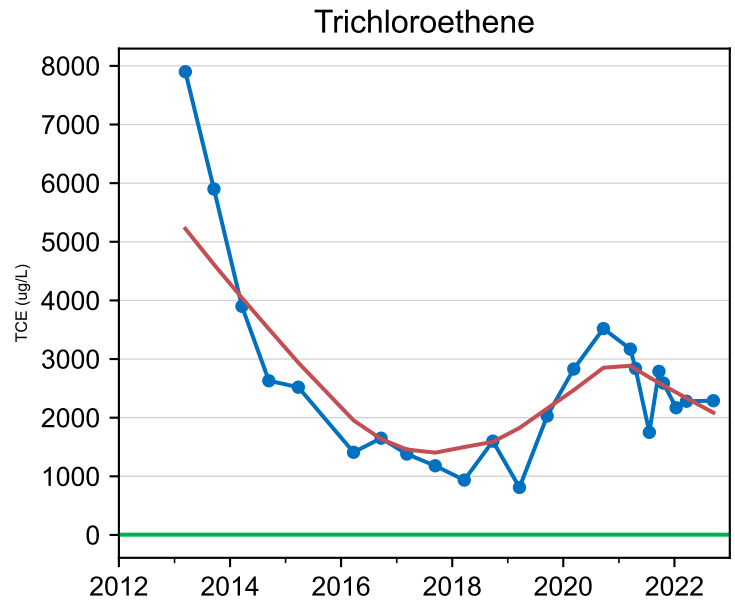
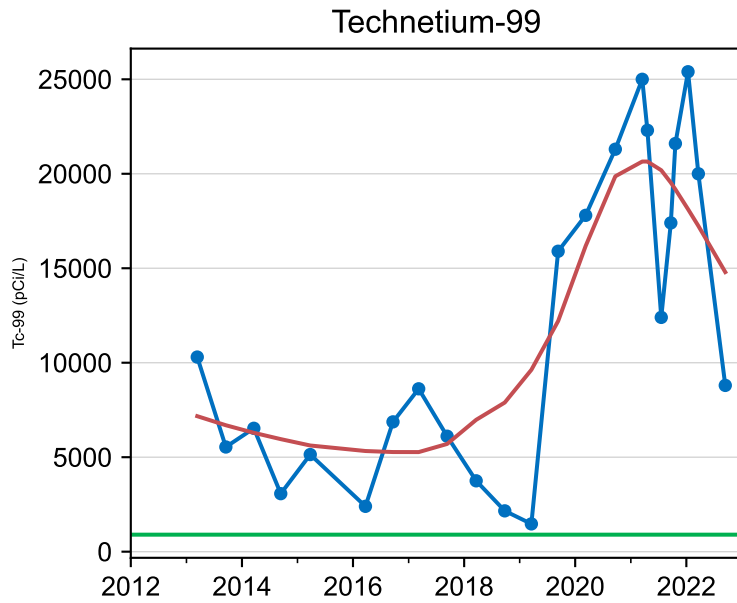
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 PADUCAH GASEOUS DIFFUSION PLANT

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 NUCLEAR PARTNERSHIP, LLC

Figure 142. Tc-99 and TCE at MW423-PRT3 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2013	10300.0	7900.0
09/17/2013	5540.0	5900.0
03/20/2014	6530.0	3900.0
09/13/2014	3070.0	2630.0
03/26/2015	5140.0	2520.0
03/23/2016	2400.0	1410.0
09/20/2016	6870.0	1650.0
03/08/2017	8620.0	1380.0
09/11/2017	6110.0	1180.0
03/21/2018	3750.0	936.0
09/25/2018	2160.0	1600.0
03/19/2019	1470.0	810.0
09/11/2019	15900.0	2030.0
03/10/2020	17800.0	2830.0
09/21/2020	21300.0	3520.0
03/17/2021	25000.0	3170.0
04/20/2021	22300.0	2840.0
07/20/2021	12400.0	1750.0
09/21/2021	17400.0	2790.0
10/21/2021	21600.0	2590.0
01/12/2022	25400.0	2170.0
03/21/2022	20000.0	2280.0
09/14/2022	8800.0	2290.0



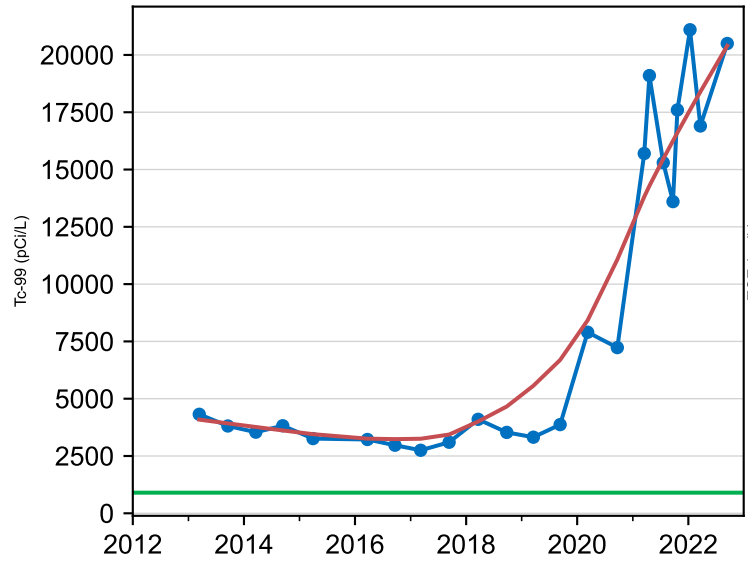
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

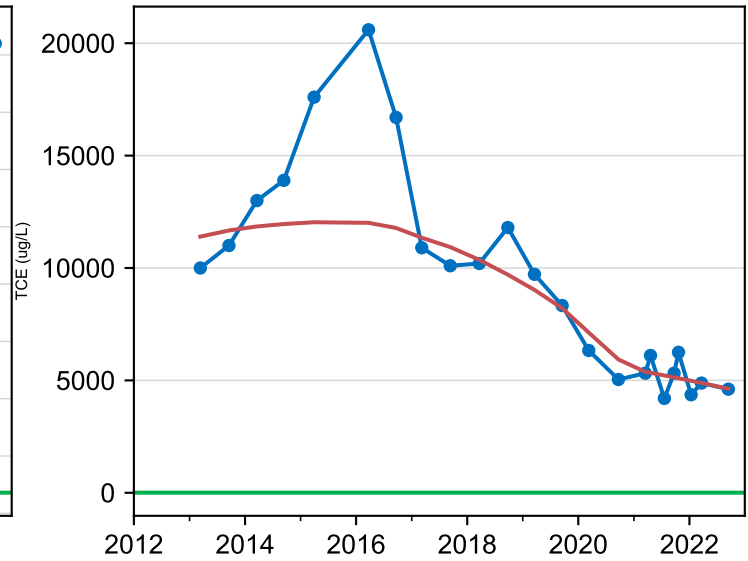
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 PADUCAH GASEOUS DIFFUSION PLANT


Figure 143. Tc-99 and TCE at MW424-PRT1 (RGA (Multi-zone))

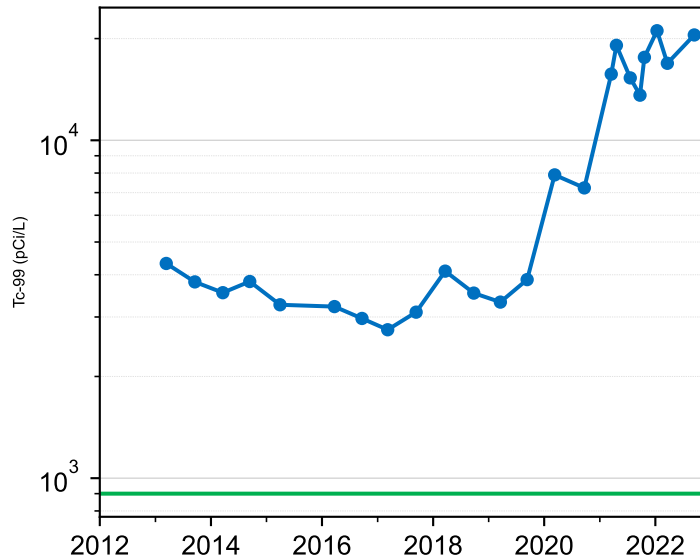
Technetium-99



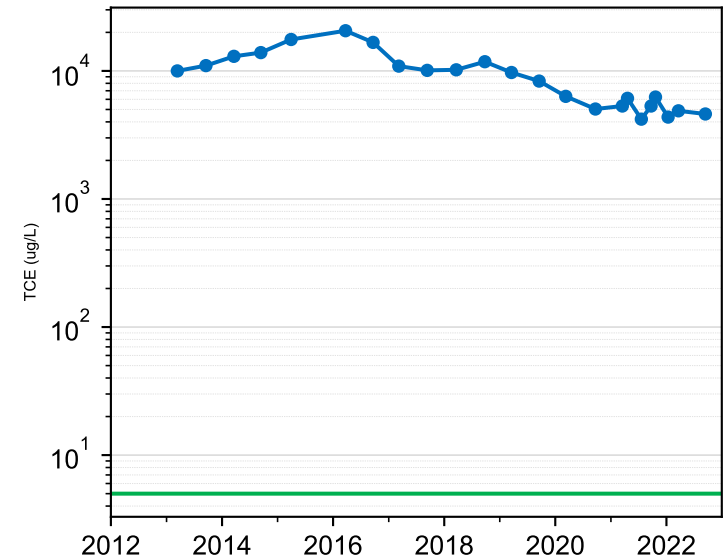
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2013	4320.0	10000.0
09/17/2013	3810.0	11000.0
03/20/2014	3540.0	13000.0
09/13/2014	3820.0	13900.0
03/31/2015	3260.0	17600.0
03/23/2016	3220.0	20600.0
09/20/2016	2970.0	16700.0
03/08/2017	2750.0	10900.0
09/11/2017	3100.0	10100.0
03/21/2018	4100.0	10200.0
09/25/2018	3530.0	11800.0
03/19/2019	3320.0	9720.0
09/11/2019	3870.0	8330.0
03/10/2020	7900.0	6330.0
09/21/2020	7230.0	5040.0
03/17/2021	15700.0	5320.0
04/20/2021	19100.0	6110.0
07/20/2021	15300.0	4200.0
09/22/2021	13600.0	5320.0
10/21/2021	17600.0	6250.0 J
01/12/2022	21100.0	4360.0
03/21/2022	16900.0	4880.0
09/14/2022	20500.0	4610.0

Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

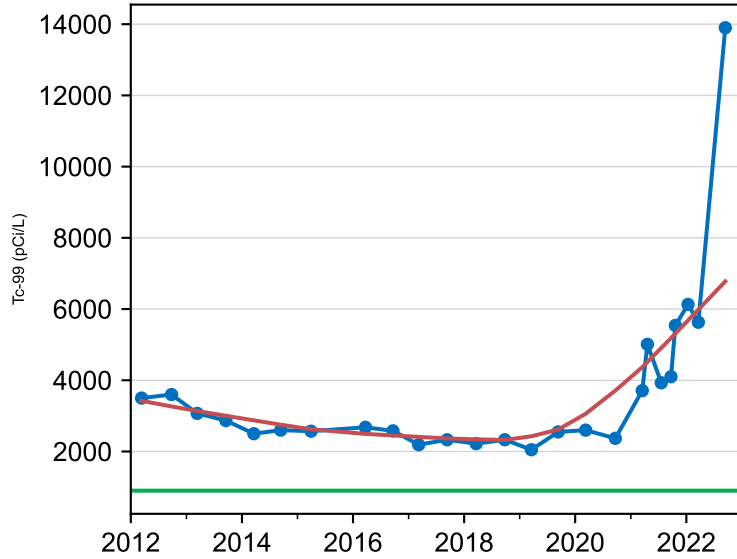
● Data
— LOWESS
— MCLs

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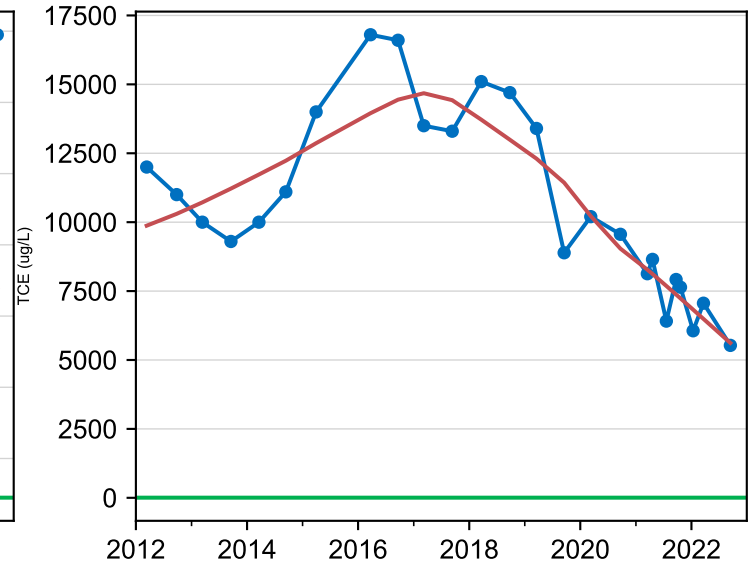
FOUR RIVERS
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Figure 144. Tc-99 and TCE at MW424-PRT2 (RGA (Multi-zone))

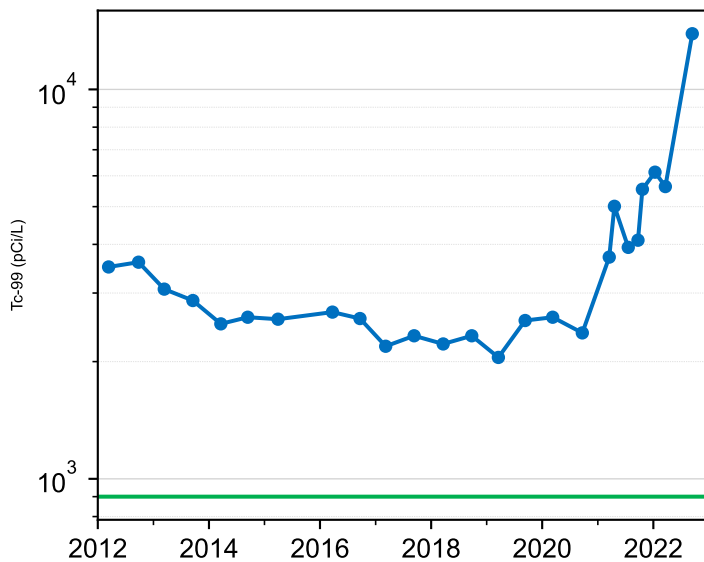
Technetium-99



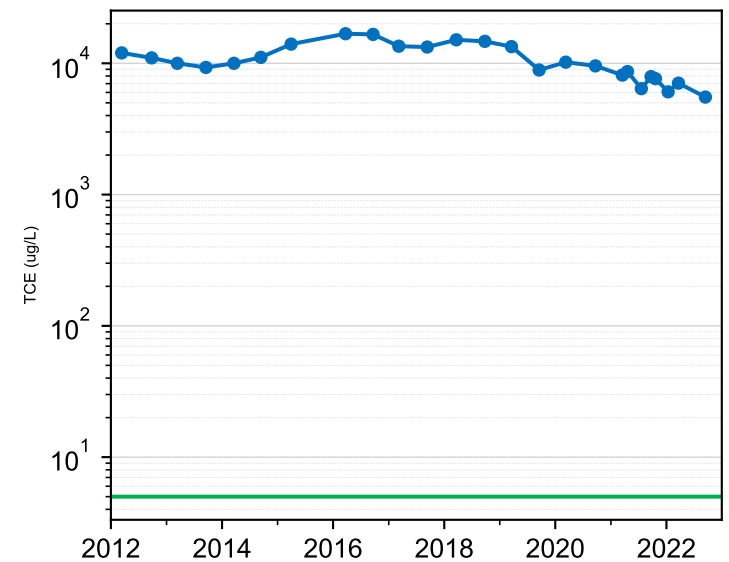
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/12/2012	3500.0	12000.0 J
09/25/2012	3600.0	11000.0
03/13/2013	3070.0	10000.0
09/17/2013	2870.0	9300.0
03/20/2014	2500.0	10000.0
09/13/2014	2600.0	11100.0
03/31/2015	2570.0	14000.0
03/23/2016	2680.0	16800.0
09/20/2016	2580.0	16600.0
03/08/2017	2190.0	13500.0
09/11/2017	2330.0	13300.0
03/21/2018	2220.0	15100.0
09/25/2018	2330.0	14700.0
03/19/2019	2050.0	13400.0
09/11/2019	2550.0	
09/17/2019		8890.0
03/10/2020	2600.0	10200.0
09/21/2020	2370.0	9560.0
03/17/2021	3710.0	8130.0
04/20/2021	5010.0	8650.0
07/20/2021	3930.0	6410.0
09/22/2021	4100.0	7920.0
10/21/2021	5540.0	7640.0
01/12/2022	6130.0	6060.0
03/21/2022	5630.0	7060.0
09/14/2022	13900.0	5530.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

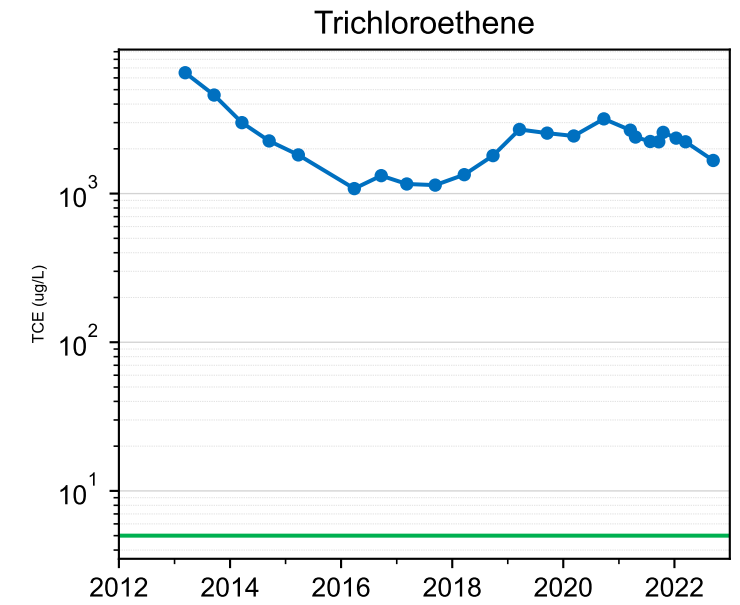
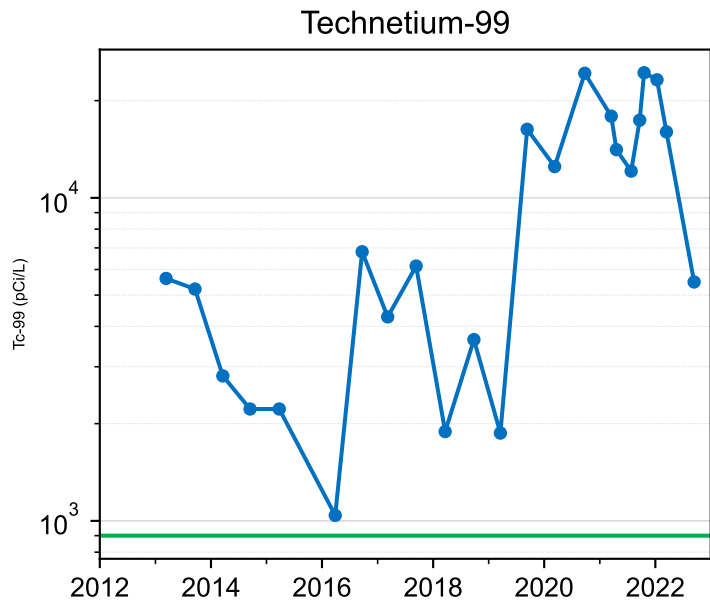
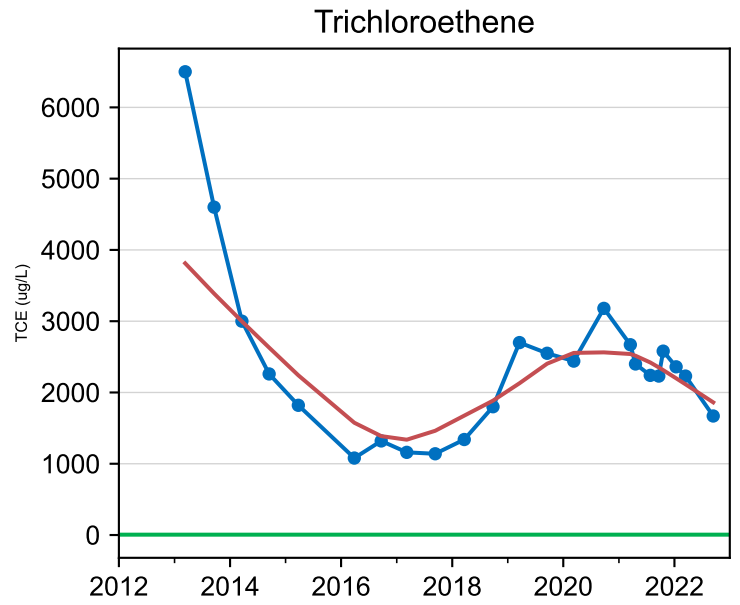
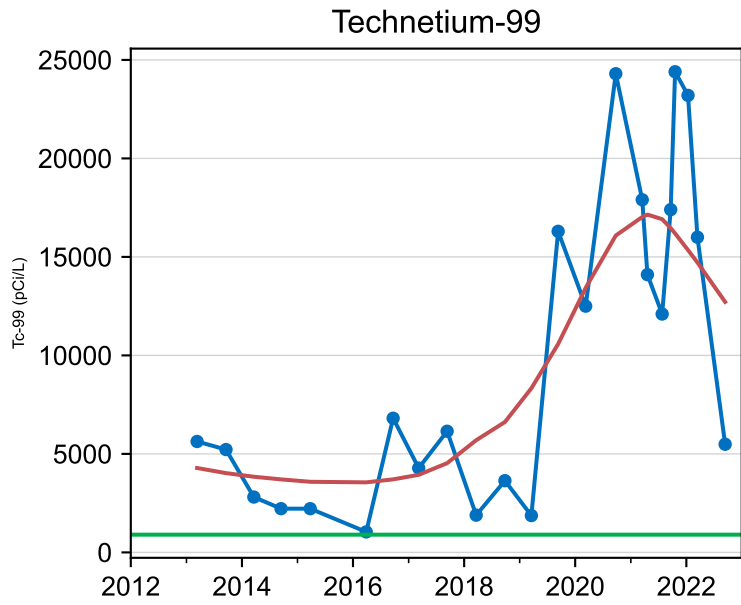
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 PADUCAH GASEOUS DIFFUSION PLANT

FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 145. Tc-99 and TCE at MW424-PRT3 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/12/2013	5630.0	6500.0
09/18/2013	5220.0	4600.0
03/20/2014	2810.0	3000.0
09/15/2014	2220.0	2260.0
03/26/2015	2220.0	1820.0
03/28/2016	1040.0	1080.0
09/21/2016	6810.0	1320.0
03/08/2017	4280.0	1160.0
09/11/2017	6150.0	1140.0
03/21/2018	1890.0	1340.0
09/26/2018	3640.0	1800.0
03/19/2019	1870.0	2700.0
09/11/2019	16300.0	
09/17/2019		2550.0
03/10/2020	12500.0	2440.0
09/24/2020	24300.0	3180.0
03/17/2021	17900.0	2670.0
04/20/2021	14100.0	2400.0
07/26/2021	12100.0	2240.0
09/20/2021	17400.0	2230.0
10/19/2021	24400.0	2580.0
01/12/2022	23200.0	2360.0
03/15/2022	16000.0	2230.0
09/13/2022	5490.0	1670.0



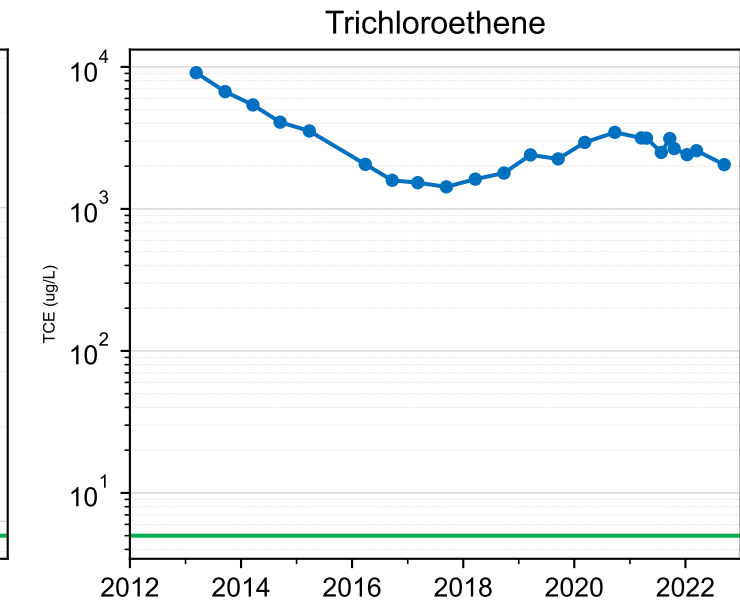
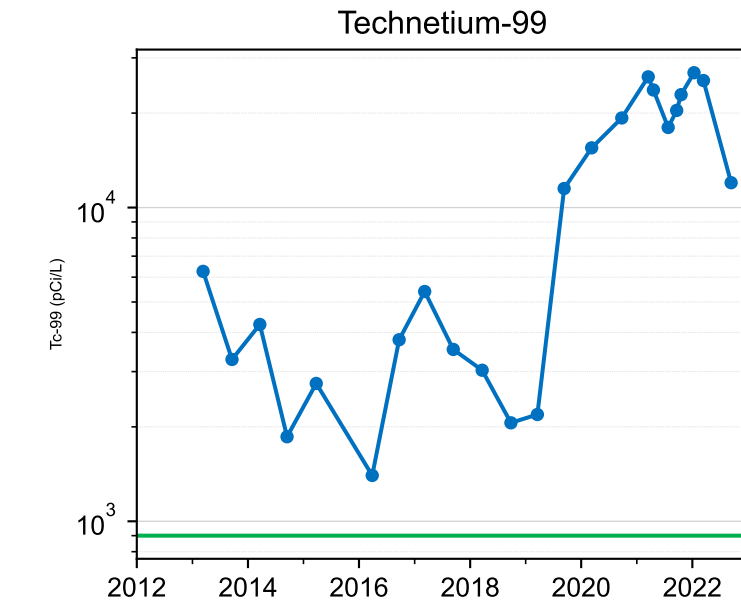
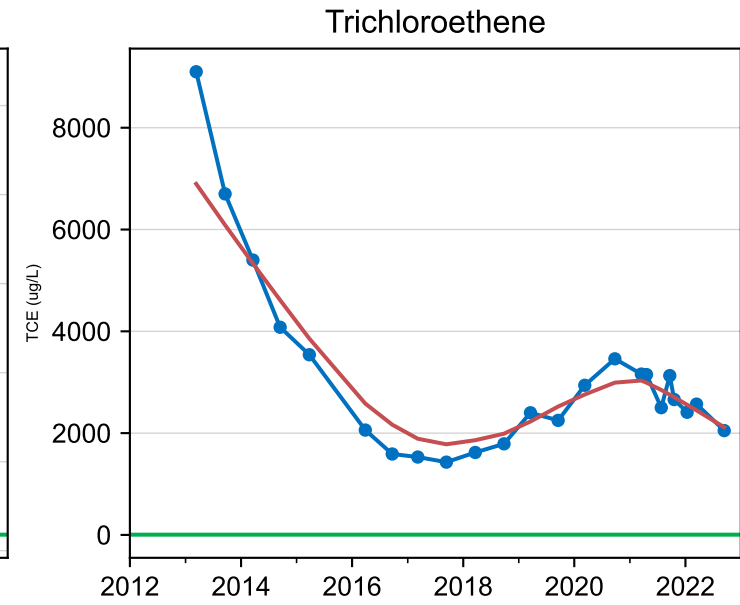
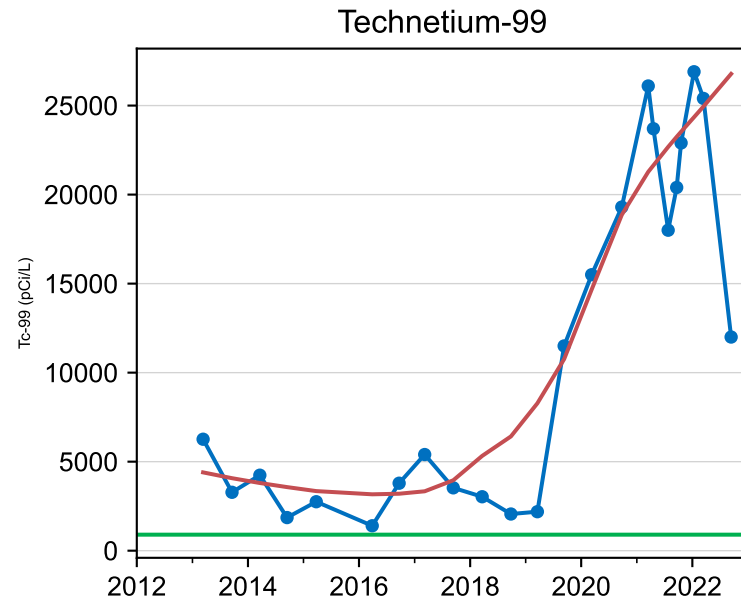
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

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Figure 146. Tc-99 and TCE at MW425-PRT1 (RGA (Multi-zone))

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/12/2013	6260.0	9100.0
09/18/2013	3280.0	6700.0
03/20/2014	4240.0	5400.0
09/15/2014	1860.0	4080.0
03/26/2015	2750.0	3540.0
03/28/2016	1400.0	2060.0
09/21/2016	3790.0	1590.0
03/08/2017	5400.0	1530.0
09/12/2017	3530.0	1430.0
03/21/2018	3030.0	1620.0
09/26/2018	2060.0	1790.0
03/19/2019	2190.0	2400.0 J
09/11/2019	11500.0	
09/17/2019		2250.0
03/10/2020	15500.0	2940.0
09/24/2020	19300.0	3460.0
03/17/2021	26100.0	3160.0
04/20/2021	23700.0	3150.0
07/26/2021	18000.0	2500.0
09/20/2021	20400.0	3130.0
10/19/2021	22900.0	2660.0
01/12/2022	26900.0	2410.0
03/15/2022	25400.0	2570.0
09/13/2022	12000.0	2050.0



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

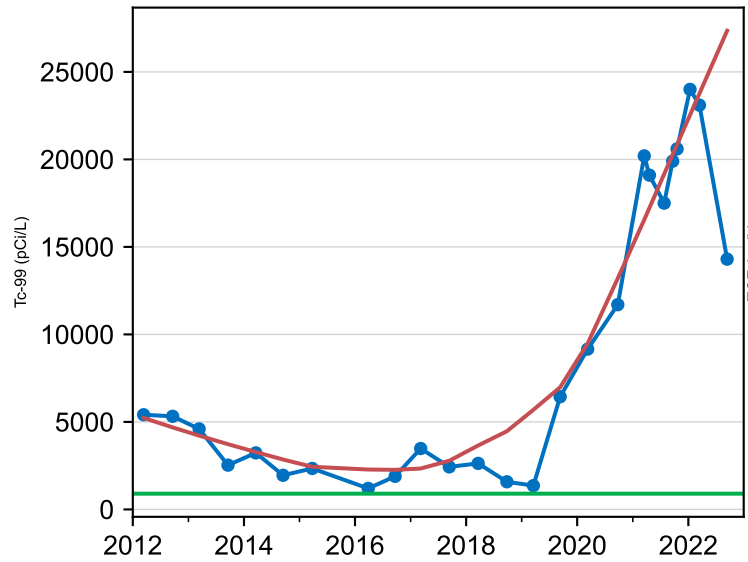
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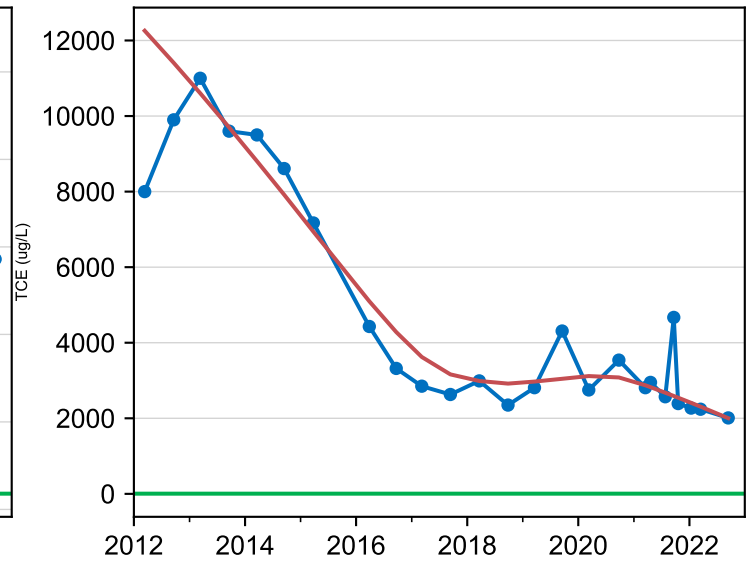
Figure 147. Tc-99 and TCE at MW425-PRT2 (RGA (Multi-zone))

Source: Trend_Plots_V1.ipynb

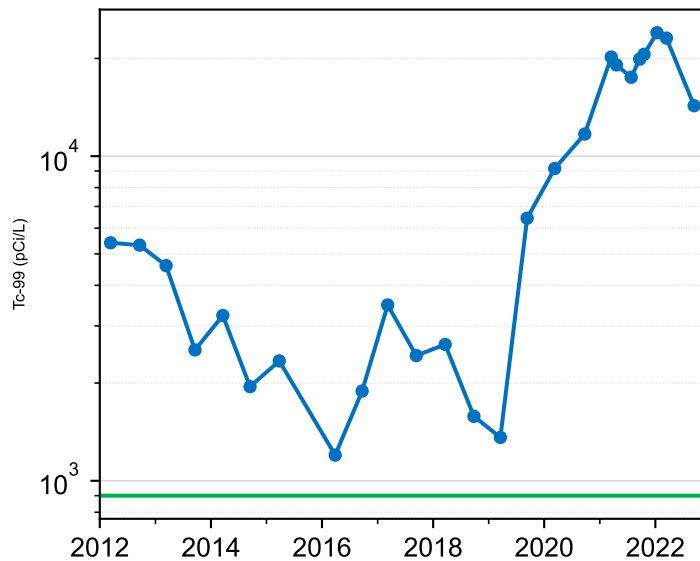
Technetium-99



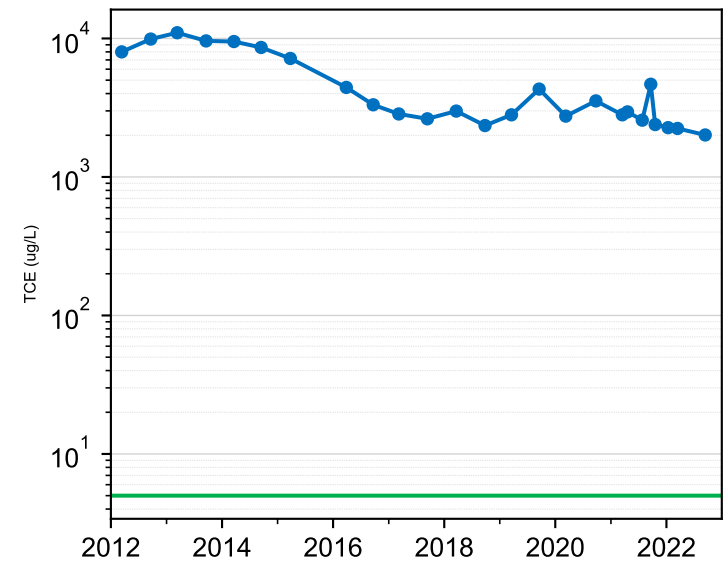
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/12/2012	5410.0	8000.0 J
09/19/2012	5320.0	9900.0
03/12/2013	4600.0	11000.0
09/18/2013	2530.0	9600.0
03/20/2014	3230.0	9500.0
09/15/2014	1950.0	8610.0
03/26/2015	2340.0	7170.0
03/28/2016	1200.0	4430.0
09/21/2016	1890.0	3320.0
03/08/2017	3480.0	2850.0
09/12/2017	2430.0	2630.0
03/21/2018	2630.0	2990.0
09/26/2018	1580.0	2350.0
03/19/2019	1360.0	2810.0
09/11/2019	6440.0	
09/17/2019		4310.0
03/10/2020	9160.0	2750.0
09/24/2020	11700.0	3540.0
03/17/2021	20200.0	2810.0
04/20/2021	19100.0	2950.0
07/26/2021	17500.0	2570.0
09/20/2021	19900.0	4670.0
10/19/2021	20600.0	2390.0
01/12/2022	24000.0	2270.0
03/15/2022	23100.0	2240.0
09/13/2022	14300.0	2010.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

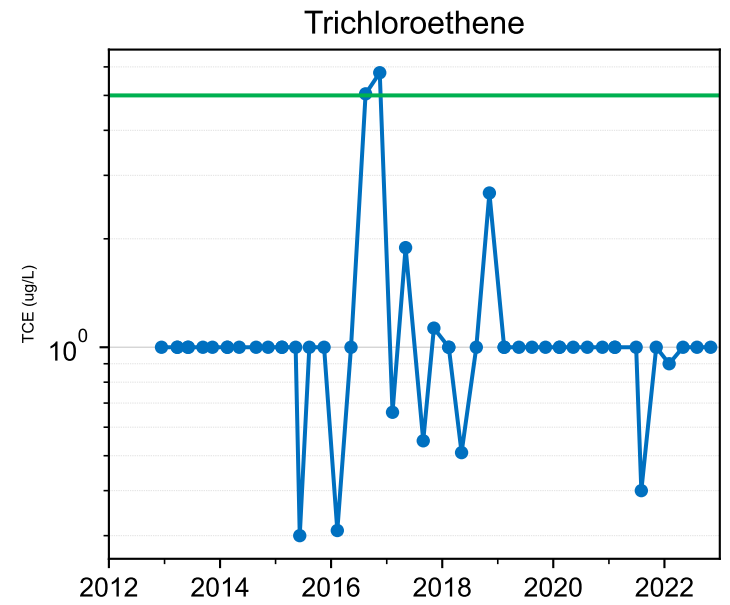
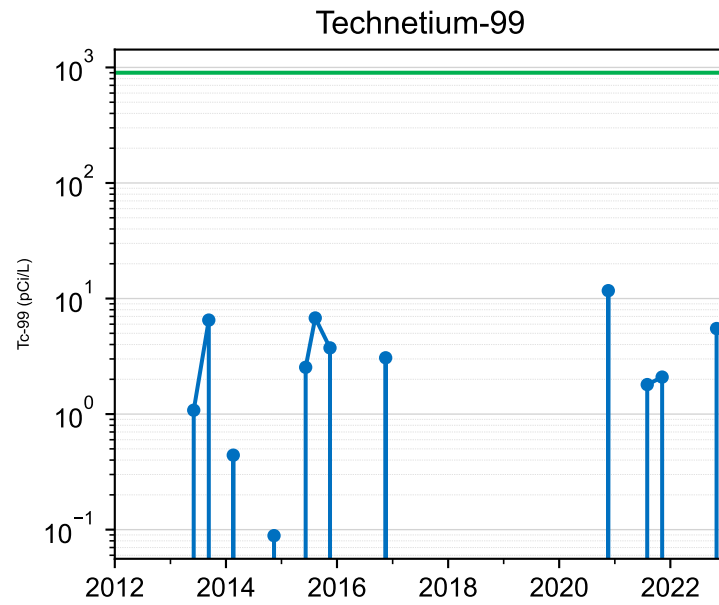
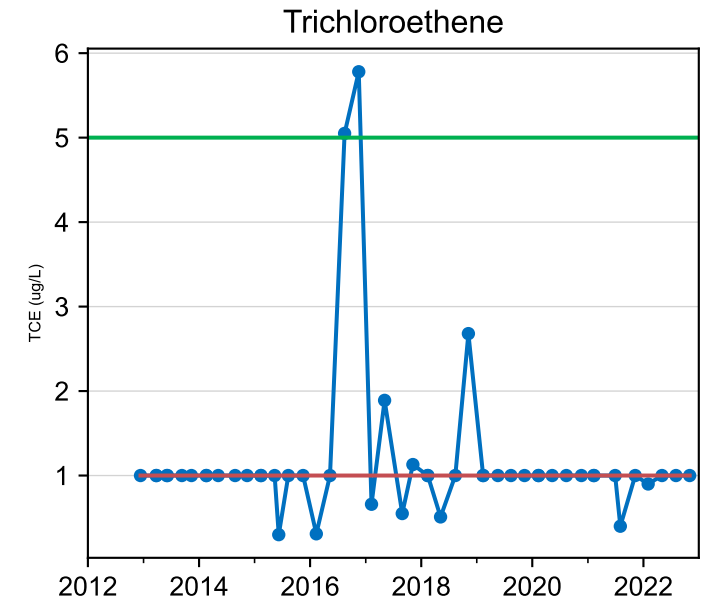
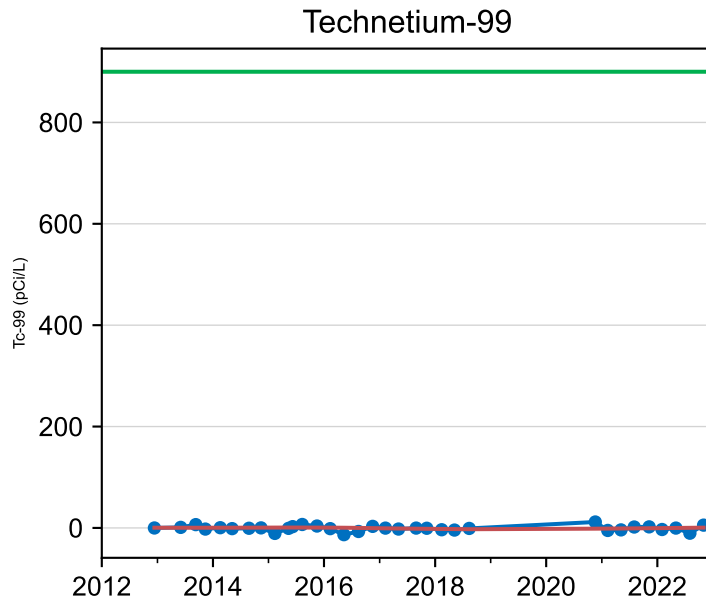
● Data
 — LOWESS
 — MCLs

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Figure 148. Tc-99 and TCE at MW425-PRT3 (RGA (Multi-zone))

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/12/2012	-0.104 U	1.0 U
03/26/2013		1.0 U
06/03/2013	1.08 U	1.0 U
06/07/2013		1.0 U
09/10/2013	6.51 U	1.0 UJ
11/12/2013	-2.27 U	1.0 U
02/18/2014	0.441 U	1.0 U
05/07/2014	-1.4 U	1.0 U
08/26/2014	-0.658 U	1.0 U
11/13/2014	0.0887 U	1.0 U
02/12/2015	-10.8 U	1.0 U
05/13/2015	-0.848 U	1.0 U
06/09/2015	2.54 U	0.3 J
08/11/2015	6.79 U	1.0 U
11/16/2015	3.74 U	1.0 U
02/11/2016	-1.43 U	0.31 J
05/11/2016	-13.3 U	1.0 U
08/15/2016	-7.0 U	5.05
11/16/2016	3.07 U	5.78
02/08/2017	-0.373 U	0.66 J
05/05/2017	-2.21 U	1.89
08/29/2017	-0.322 U	0.55 J
11/07/2017	-0.661 U	1.13
02/13/2018	-3.57 U	1.0 U
05/08/2018	-4.22 U	0.51 J
08/13/2018	-0.989 U	1.0 U
11/07/2018		2.68
02/12/2019		1.0 U
05/20/2019		1.0 U
08/14/2019		1.0 U
11/11/2019		1.0 U
02/11/2020		1.0 U
05/11/2020		1.0 U
08/12/2020		1.0 U
11/19/2020	11.7 U	1.0 U
02/09/2021	-4.96 UJ	1.0 U
05/07/2021	-3.87 U	
06/29/2021		1.0 U
08/02/2021	1.8 U	0.4 J
11/08/2021	2.09 U	1.0 U
02/01/2022	-3.11 U	0.9 J
05/03/2022	-0.3 U	1.0 U
08/03/2022	-10.4 U	1.0 U
11/01/2022	5.5 U	1.0 U



Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

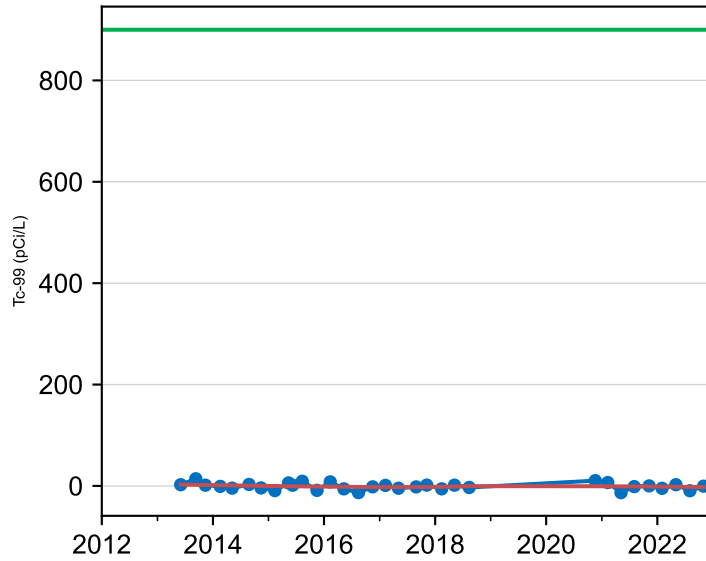
● Data
 — LOWESS
 — MCLs

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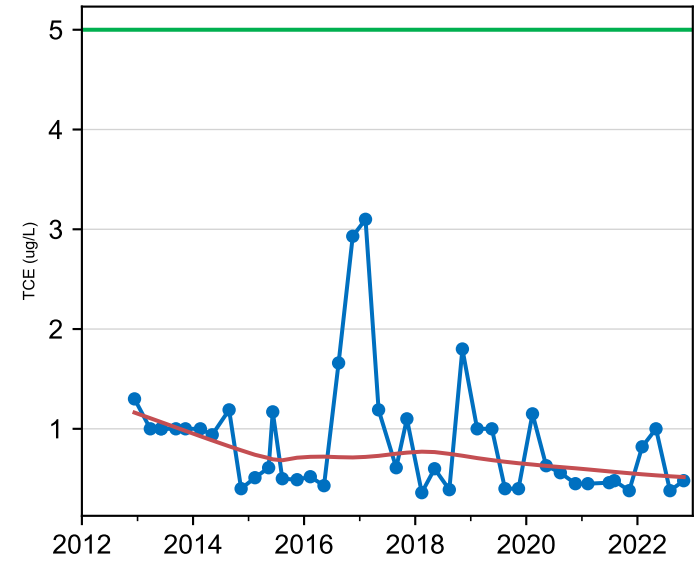
Figure 149. Tc-99 and TCE at MW426 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/12/2012		1.3
03/26/2013		1.0 U
06/03/2013	2.38 U	1.0 U
06/07/2013		1.0 U
09/10/2013	14.1 U	1.0 UJ
11/12/2013	1.45 U	1.0 U
02/18/2014	-0.883 U	1.0 U
05/07/2014	-4.34 U	0.94 J
08/26/2014	2.87 U	1.19
11/13/2014	-3.95 U	0.4 J
02/12/2015	-9.24 U	0.51 J
05/13/2015	5.95 U	0.61 J
06/09/2015	1.39 U	1.17
08/11/2015	9.18 U	0.5 J
11/16/2015	-8.75 U	0.49 J
02/11/2016	7.98 U	0.52 J
05/11/2016	-5.8 U	0.43 J
08/15/2016	-13.2 U	1.66
11/16/2016	-1.8 U	2.93
02/08/2017	1.05 U	3.1
05/05/2017	-4.52 U	1.19
08/29/2017	-1.95 U	0.61 J
11/07/2017	1.6 U	1.1
02/13/2018	-5.75 U	0.36 J
05/08/2018	1.47 U	0.6 J
08/13/2018	-3.04 U	0.39 J
11/07/2018		1.8
02/12/2019		1.0 U
05/20/2019		1.0 U
08/14/2019		0.4 J
11/11/2019		0.4 J
02/11/2020		1.15
05/11/2020		0.63 J
08/12/2020		0.56 J
11/19/2020	10.4 U	0.45 J
02/09/2021	6.69 UJ	0.45 J
05/07/2021	-13.3 U	
06/29/2021		0.46 J
08/02/2021	-1.4 U	0.48 J
11/08/2021	0.0275 U	0.38 J
02/01/2022	-4.69 U	0.82 J
05/03/2022	2.4 U	1.0 U
08/03/2022	-9.49 U	0.38 J
11/01/2022	-0.519 U	0.48 J

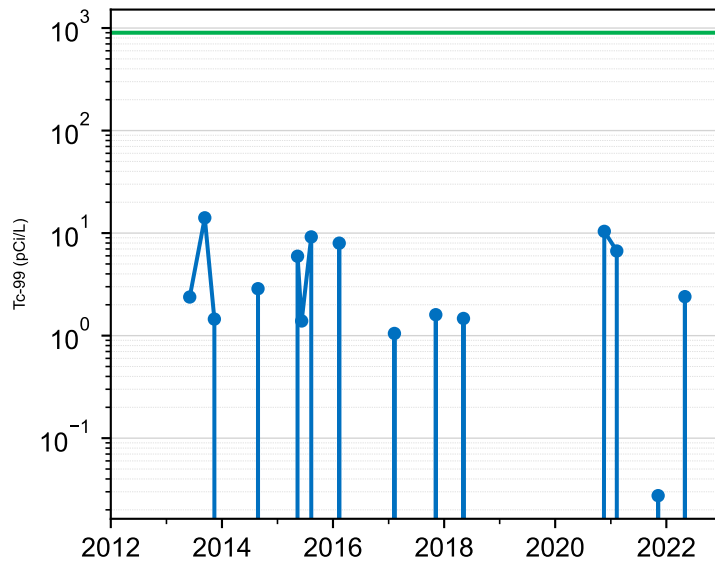
Technetium-99



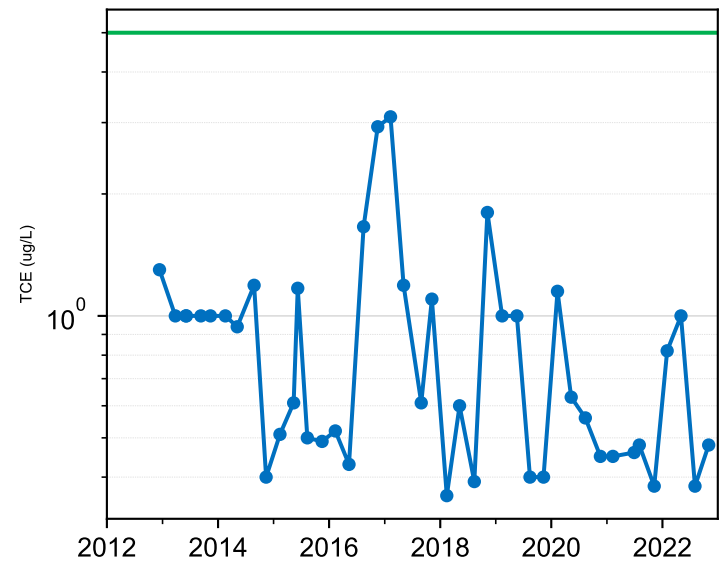
Trichloroethene



Technetium-99



Trichloroethene



Notes:

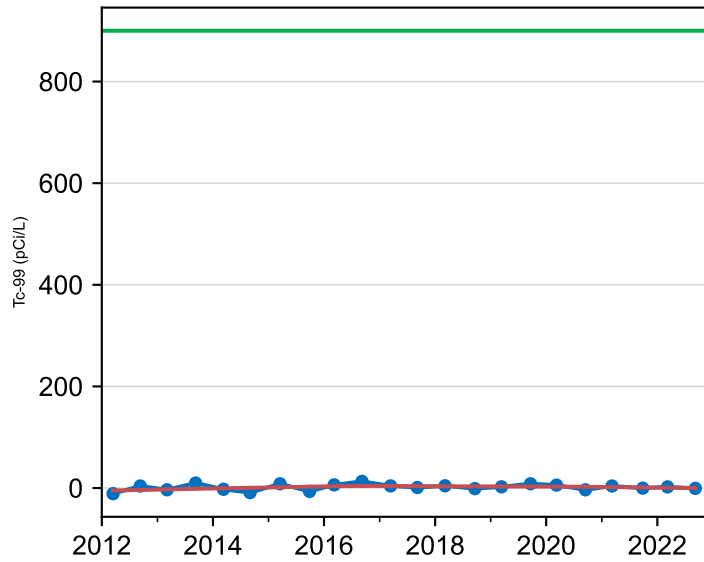
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

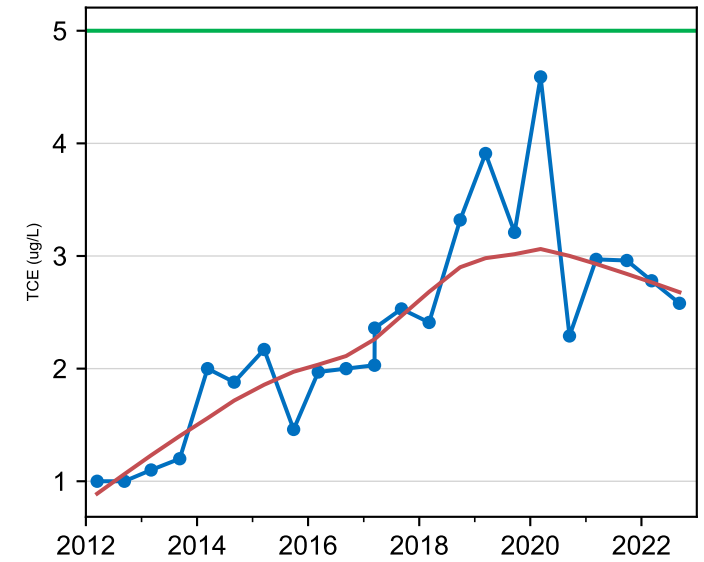
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Figure 150. Tc-99 and TCE at MW427 (LRGA)

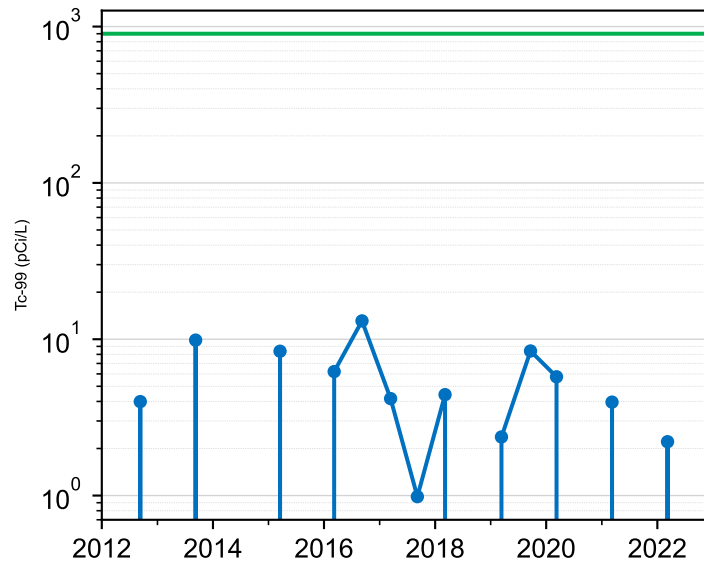
Technetium-99



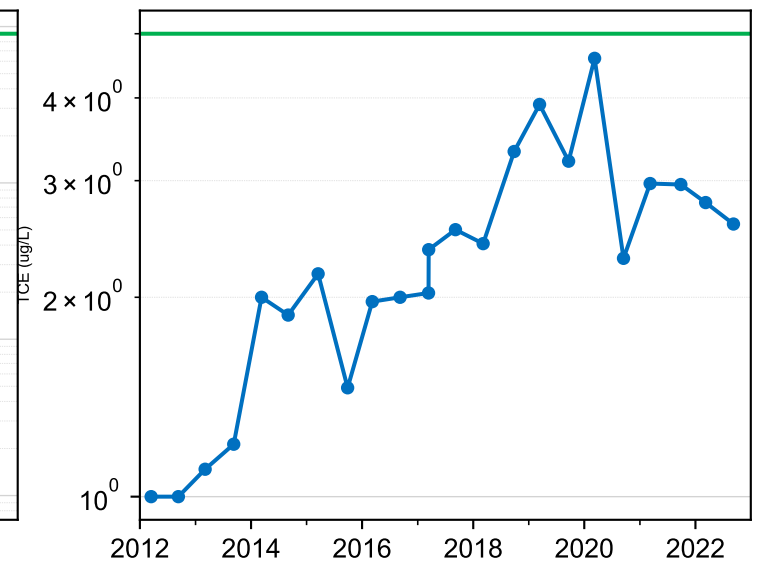
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/15/2012	-11.1 U	1.0 U
09/10/2012	3.99 U	1.0 UJ
03/05/2013	-3.44 U	1.1
09/09/2013	9.87 U	1.2 J
03/11/2014	-2.47 U	2.0
09/02/2014	-9.07 U	1.88
03/18/2015	8.38 U	2.17
09/28/2015	-6.61 U	1.46
03/08/2016	6.21 U	1.97
09/07/2016	13.1 U	2.0
03/13/2017	4.17 U	2.03
03/14/2017	4.17 U	2.36
09/06/2017	0.984 U	2.53
03/07/2018	4.42 U	2.41
09/19/2018	-1.2 U	
09/27/2018		3.32
03/13/2019	2.37 U	3.91
09/20/2019	8.41 U	3.21
03/09/2020	5.75 U	4.59
09/15/2020	-3.51 U	2.29
03/09/2021	3.96 U	2.97
09/27/2021	-0.262 U	2.96
03/09/2022	2.21 U	2.78
09/08/2022	-0.651 U	2.58

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

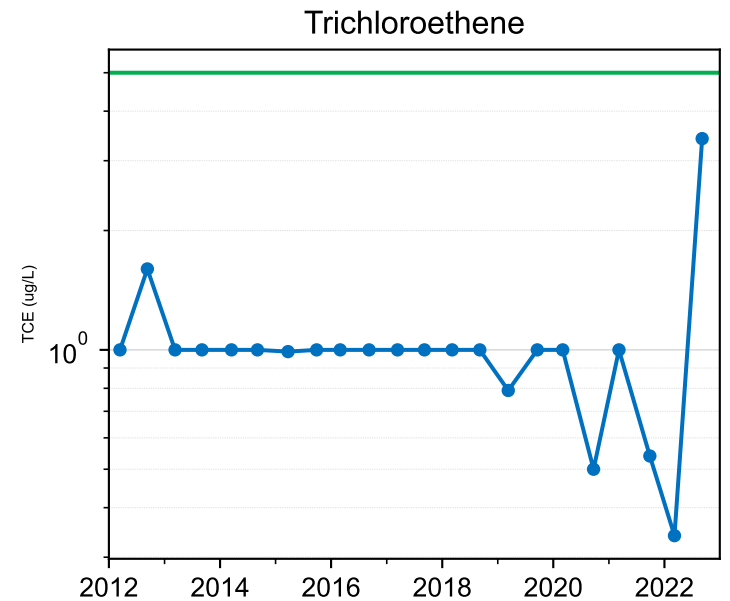
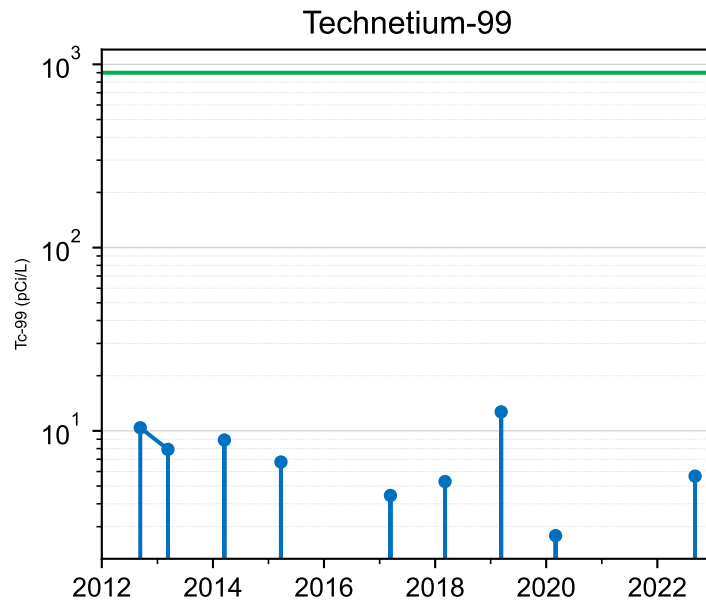
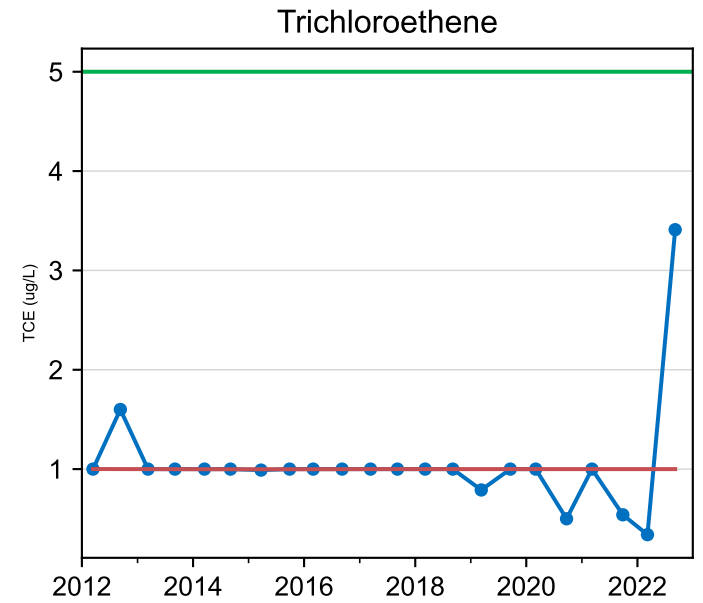
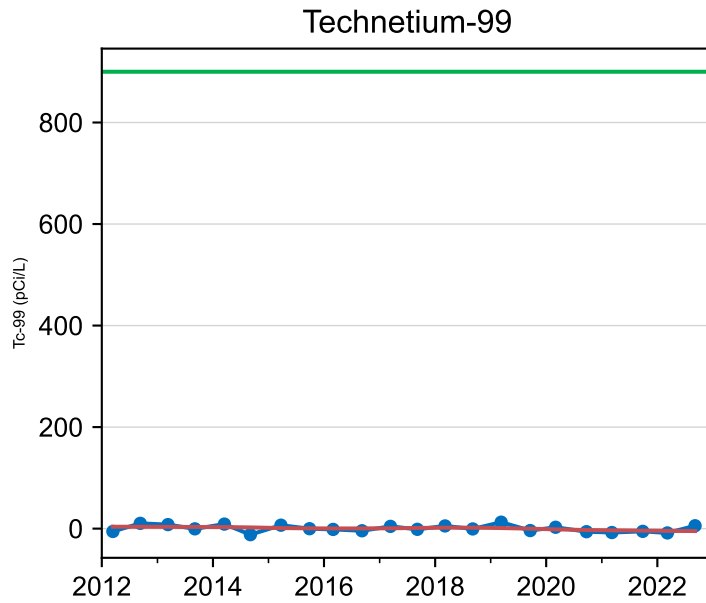
● Data
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Figure 151. Tc-99 and TCE at MW428 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/14/2012	-5.57 U	1.0 UJ
09/10/2012	10.4 U	1.6 J
03/11/2013	7.92 U	1.0 U
09/04/2013	-0.436 U	1.0 U
03/17/2014	8.91 U	1.0 U
09/04/2014	-11.9 U	1.0 U
03/24/2015	6.76 U	0.99 J
09/28/2015	-0.166 U	1.0 U
03/01/2016	-1.56 U	1.0 U
09/07/2016	-4.21 U	1.0 U
03/13/2017	4.44 U	1.0 U
09/06/2017	-1.36 U	1.0 U
03/07/2018	5.29 U	1.0 U
09/05/2018	-0.622 U	1.0 U
03/11/2019	12.7	0.79 J
09/18/2019	-3.83 U	1.0 U
03/03/2020	2.68 U	1.0 U
09/22/2020	-6.05 U	0.5 J
03/08/2021	-7.7 U	1.0 U
09/27/2021	-5.37 U	0.54 J
03/08/2022	-8.5 U	0.34 J
09/06/2022	5.66 U	3.41



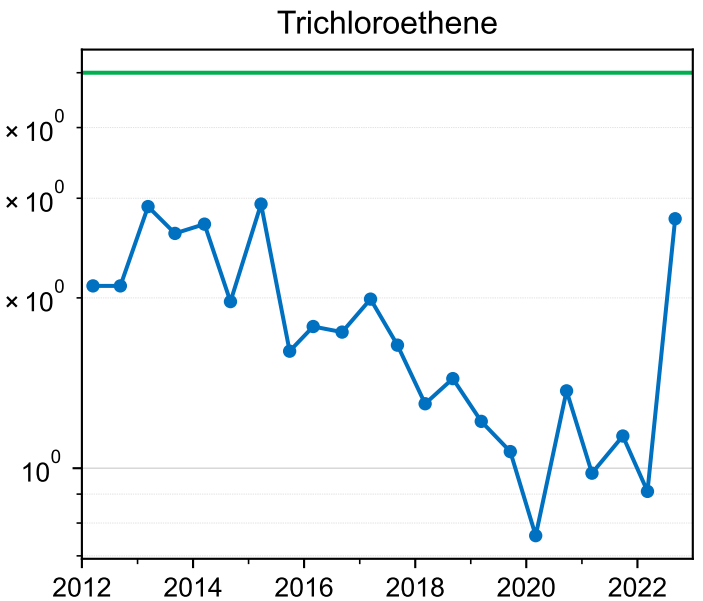
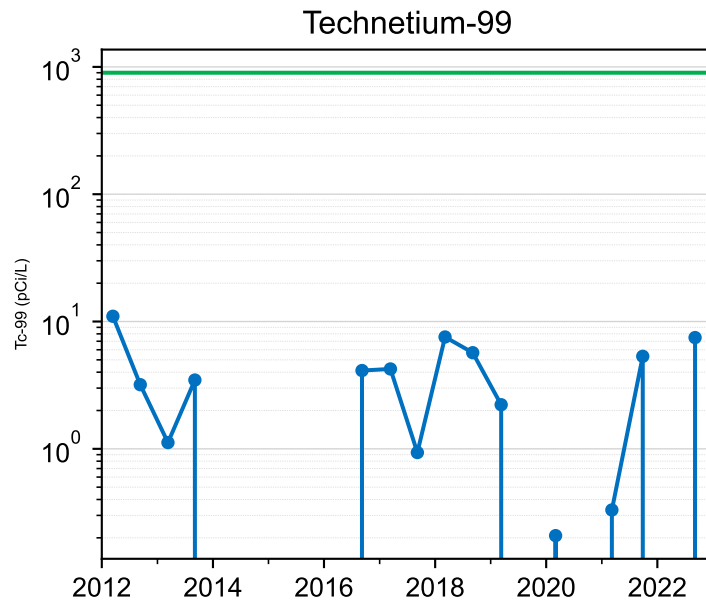
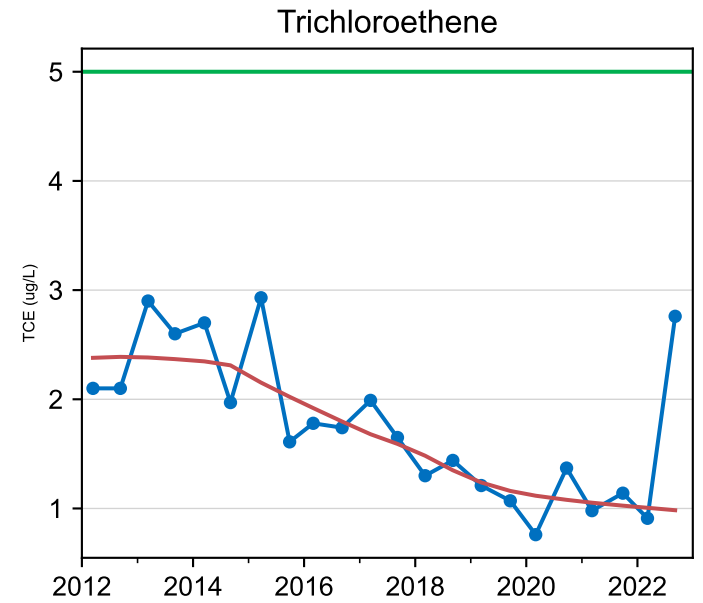
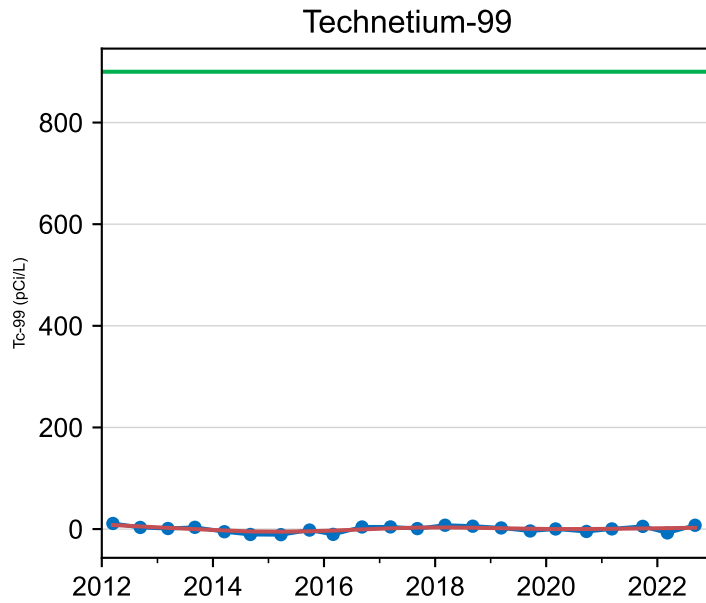
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 152. Tc-99 and TCE at MW429/MW429A (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/14/2012	11.0 U	2.1 J
09/10/2012	3.19 U	2.1 J
03/11/2013	1.12 U	2.9
09/04/2013	3.47 U	2.6
03/17/2014	-5.2 U	2.7
09/04/2014	-10.6 U	1.97
03/24/2015	-11.0 U	2.93
09/28/2015	-1.97 U	1.61
03/01/2016	-10.4 U	1.78
09/07/2016	4.12 U	1.74
03/13/2017	4.24 U	1.99
09/06/2017	0.935 U	1.65
03/07/2018	7.56 U	1.3
09/05/2018	5.69 U	1.44
03/11/2019	2.22 U	1.21
09/18/2019	-3.71 U	1.07
03/03/2020	0.208 U	0.76 J
09/22/2020	-4.7 U	1.37
03/08/2021	0.331 U	0.98 J
09/27/2021	5.33 U	1.14
03/08/2022	-7.56 U	0.91 J
09/06/2022	7.48 U	2.76



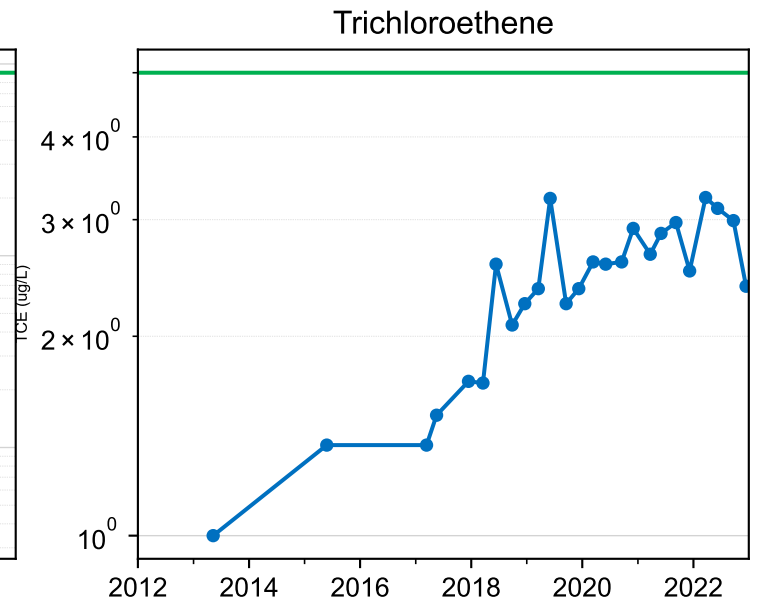
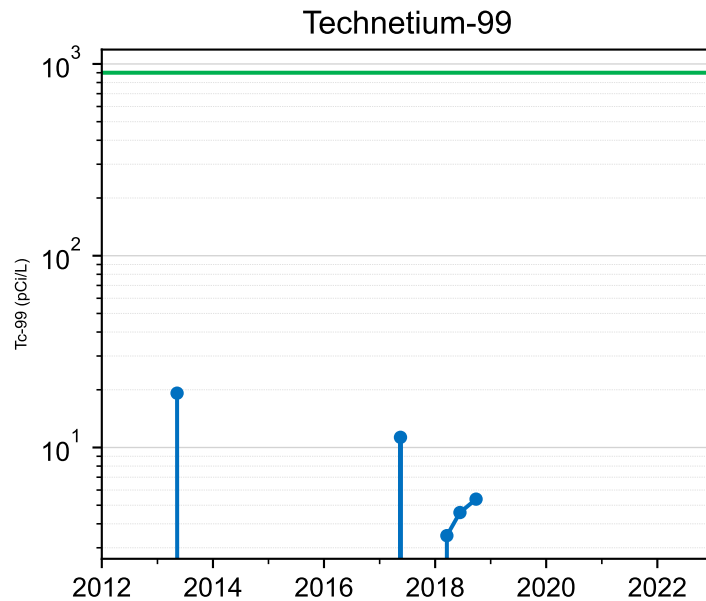
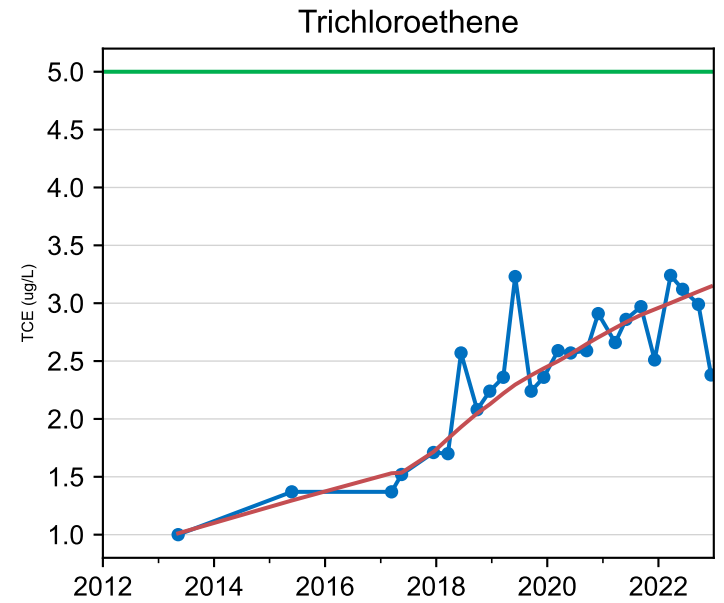
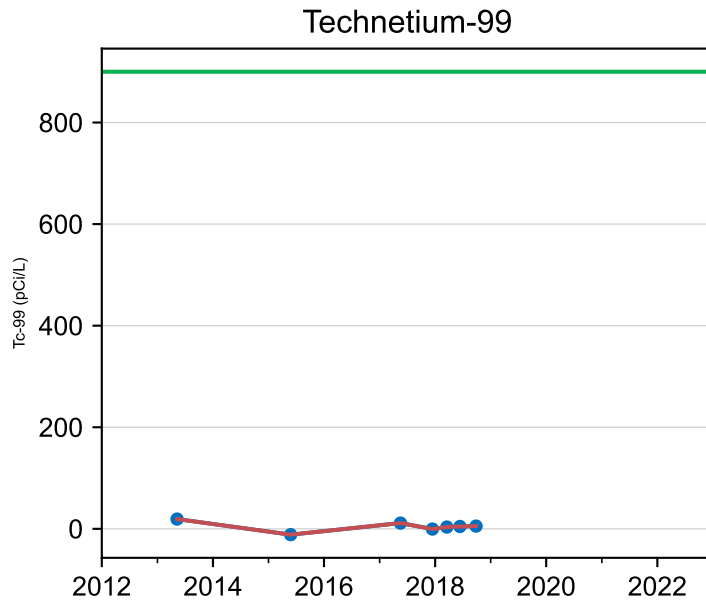
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 153. Tc-99 and TCE at MW430 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/10/2013	19.2	1.0 U
05/27/2015	-11.5 U	1.37
03/13/2017		1.37
05/18/2017	11.3 U	1.52
12/14/2017	-0.413 U	1.71
03/19/2018	3.47 U	1.7
06/13/2018	4.58 U	2.57
09/27/2018	5.38 U	2.08
12/19/2018		2.24
03/18/2019		2.36
06/04/2019		3.23
09/17/2019		2.24
12/09/2019		2.36
03/12/2020		2.59
06/03/2020		2.57
09/18/2020		2.59
12/01/2020		2.91
03/23/2021		2.66
06/02/2021		2.86
09/08/2021		2.97
12/07/2021		2.51
03/22/2022		3.24
06/09/2022		3.12
09/21/2022		2.99
12/13/2022		2.38



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

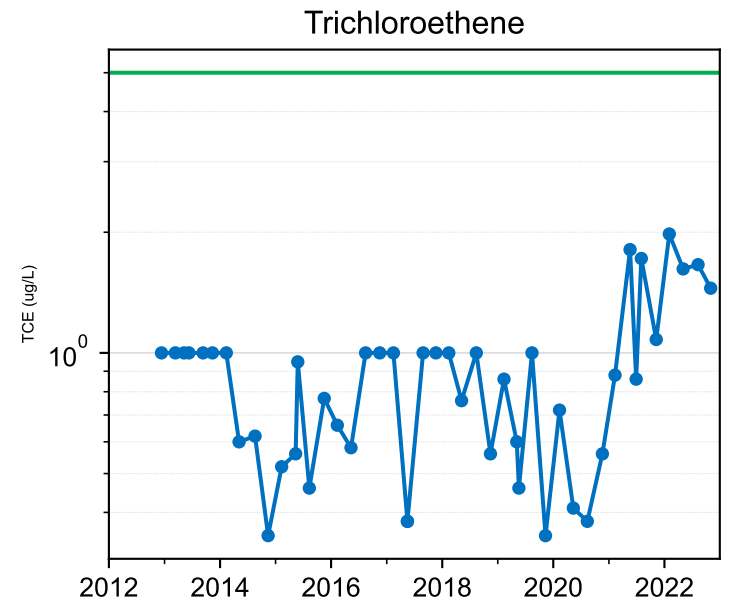
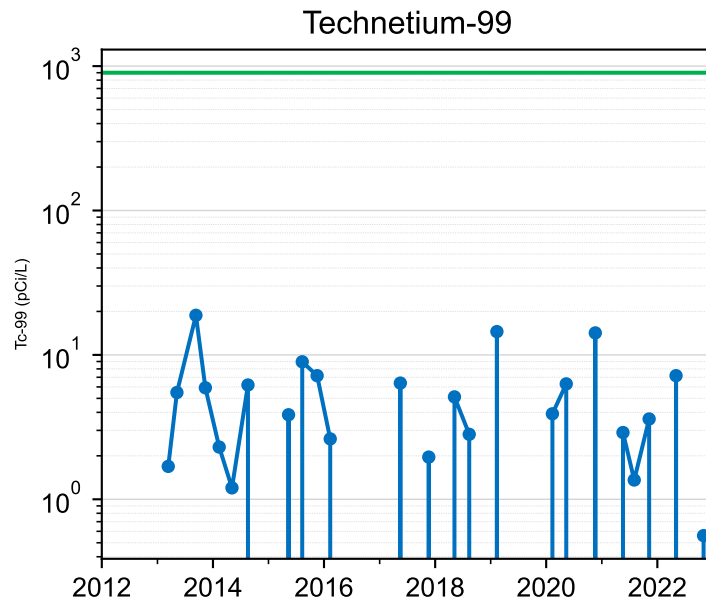
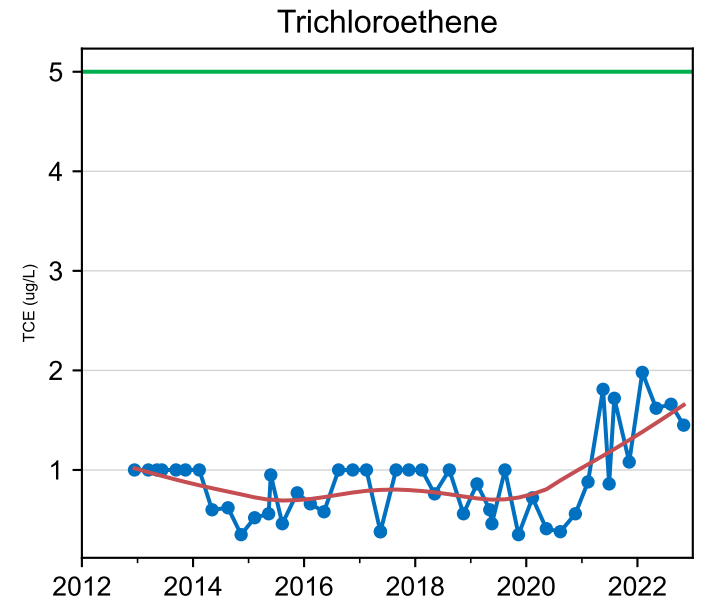
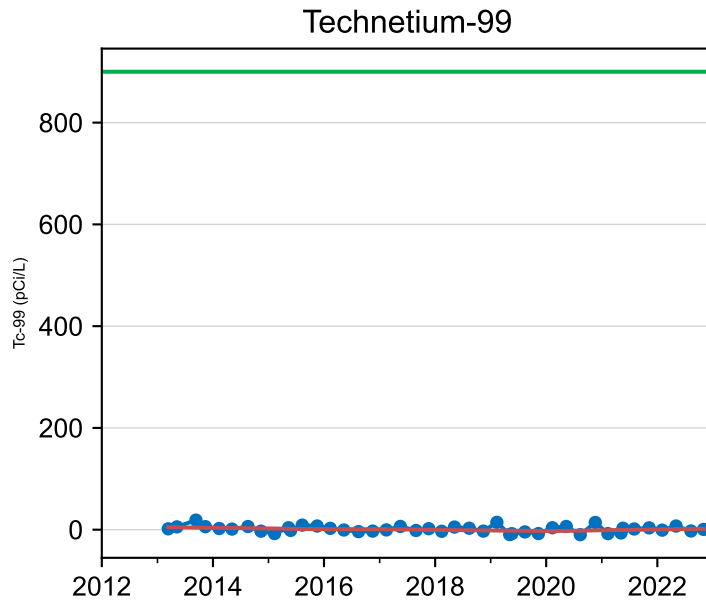
● Data
— LOWESS
— MCLs

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Figure 154. Tc-99 and TCE at MW431 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/12/2012		1.0 U
03/13/2013	1.69 U	1.0 U
05/09/2013	5.49 U	1.0 U
06/10/2013		1.0 U
09/11/2013	18.8	1.0 U
11/12/2013	5.92 U	1.0 U
02/11/2014	2.3 U	1.0 U
05/06/2014	1.2 U	0.6 J
08/19/2014	6.19 U	0.62 J
11/13/2014	-2.89 U	0.35 J
02/10/2015	-7.61 U	0.52 J
05/13/2015	3.85 U	0.56 J
05/27/2015	-1.45 U	0.95 J
08/11/2015	8.96 U	0.46 J
11/17/2015	7.18 U	0.77 J
02/11/2016	2.62 U	0.66 J
05/11/2016	-0.625 U	0.58 J
08/15/2016	-3.81 U	1.0 U
11/16/2016	-2.79 U	1.0 U
02/14/2017	-0.434 U	1.0 U
05/17/2017	6.38 U	0.38 J
08/28/2017	-1.57 U	1.0 U
11/20/2017	1.96 U	1.0 U
02/13/2018	-3.11 U	1.0 U
05/08/2018	5.12 U	0.76 J
08/13/2018	2.82 U	1.0 U
11/14/2018	-2.84 U	0.56 J
02/11/2019	14.5 U	0.86 J
05/06/2019	-9.55 U	0.6 J
05/20/2019	-7.82 U	0.46 J
08/14/2019	-4.4 U	1.0 U
11/11/2019	-7.67 U	0.35 J
02/11/2020	3.91 U	0.72 J
05/12/2020	6.3 U	0.41 J
08/12/2020	-9.8 U	0.38 J
11/19/2020	14.2 U	0.56 J
02/10/2021	-7.7 U	0.88 J
05/07/2021	-6.42 U	
05/20/2021	2.9 U	1.81
06/29/2021		0.86 J
08/02/2021	1.36 U	1.72
11/08/2021	3.6 U	1.08
02/02/2022	-0.919 U	1.98
05/04/2022	7.18 U	1.62
08/10/2022	-2.51 U	1.66
11/01/2022	0.56 U	1.45



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

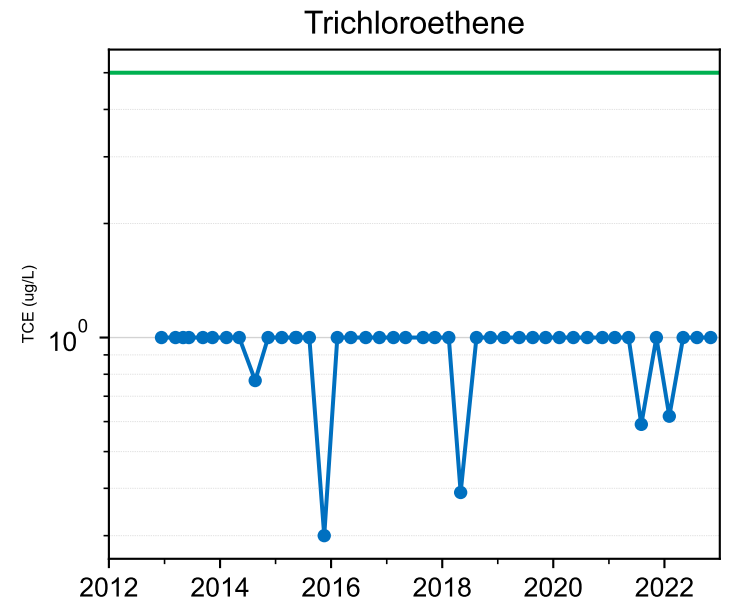
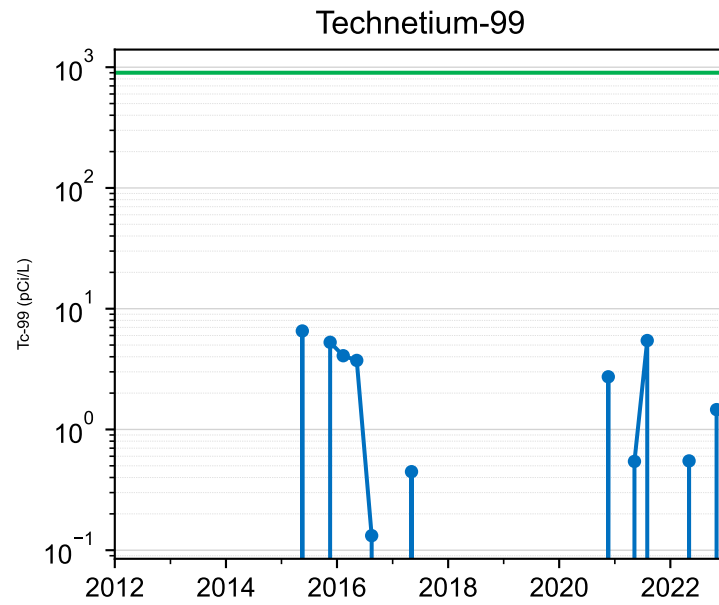
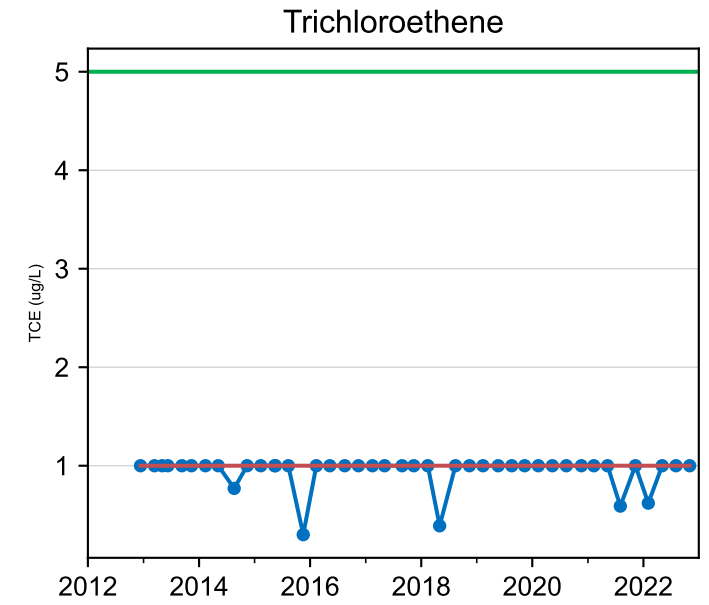
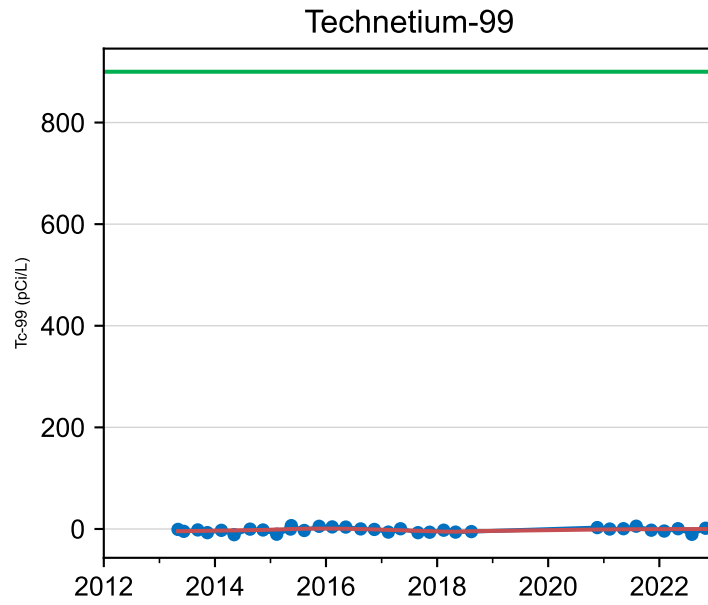
● Data — LOWESS
— MCLs

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Figure 155. Tc-99 and TCE at MW432 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/12/2012		1.0 U
03/14/2013		1.0 U
05/03/2013	-0.881 U	1.0 U
08/10/2013	-4.62 U	1.0 U
09/10/2013	-1.86 U	1.0 UJ
11/12/2013	-7.2 U	1.0 U
02/12/2014	-2.67 U	1.0 U
05/07/2014	-11.2 U	1.0 U
08/20/2014	-0.309 U	0.77 J
11/13/2014	-1.97 U	1.0 U
02/11/2015	-10.3 U	1.0 U
05/13/2015	-0.189 U	1.0 U
05/18/2015	6.54 U	1.0 U
08/11/2015	-2.95 U	1.0 U
11/17/2015	5.27 U	0.3 J
02/11/2016	4.08 U	1.0 U
05/10/2016	3.73 U	1.0 U
08/16/2016	0.132 U	1.0 U
11/14/2016	-0.909 U	1.0 U
02/14/2017	-6.11 U	1.0 U
05/05/2017	0.447 U	1.0 U
08/28/2017	-7.24 U	1.0 U
11/13/2017	-6.41 U	1.0 U
02/13/2018	-2.42 U	1.0 U
05/02/2018	-6.18 U	0.39 J
08/14/2018	-5.16 U	1.0 U
11/14/2018		1.0 U
02/11/2019		1.0 U
05/22/2019		1.0 U
08/19/2019		1.0 U
11/12/2019		1.0 U
02/10/2020		1.0 U
05/12/2020		1.0 U
08/12/2020		1.0 U
11/19/2020	2.73 U	1.0 U
02/09/2021	-0.11 UJ	1.0 U
05/10/2021	0.544 U	1.0 U
08/02/2021	5.45 U	0.59 J
11/09/2021	-2.39 U	1.0 U
02/02/2022	-4.07 U	0.62 J
05/04/2022	0.549 U	1.0 U
08/03/2022	-10.5 U	1.0 U
11/01/2022	1.46 U	1.0 U



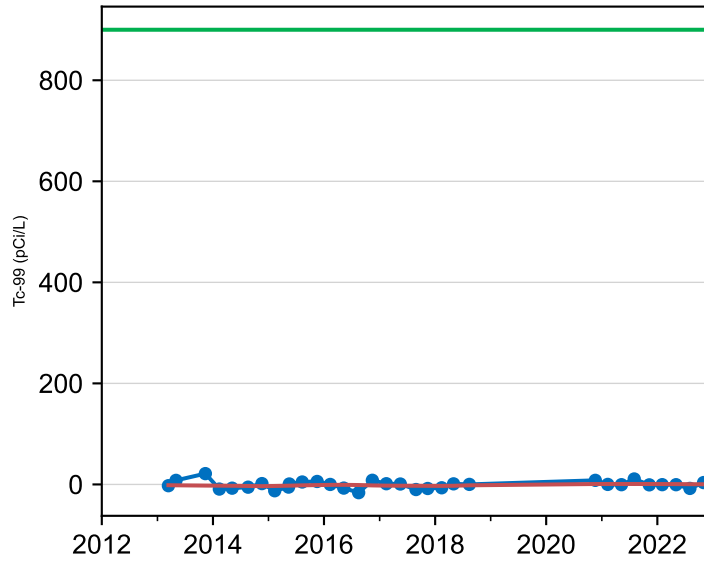
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

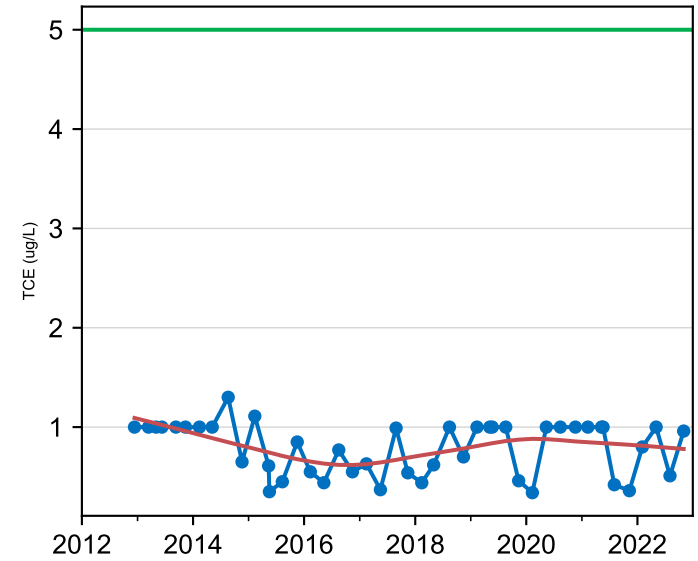
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Figure 156. Tc-99 and TCE at MW433 (MRGA)

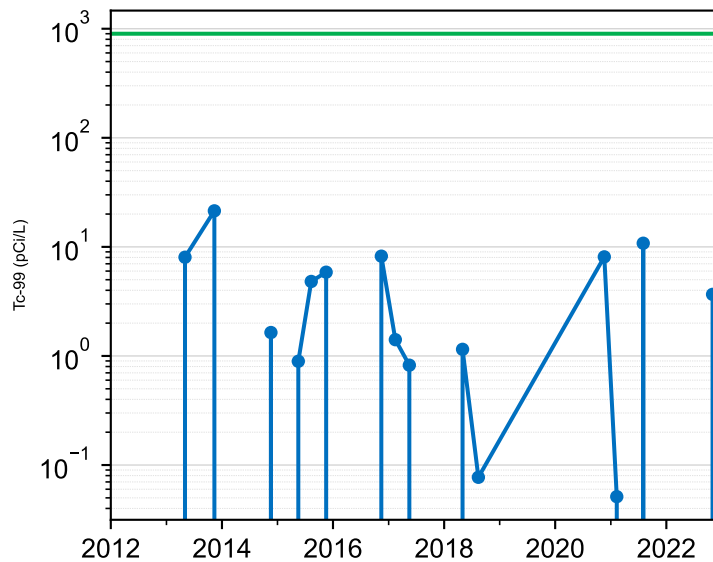
Technetium-99



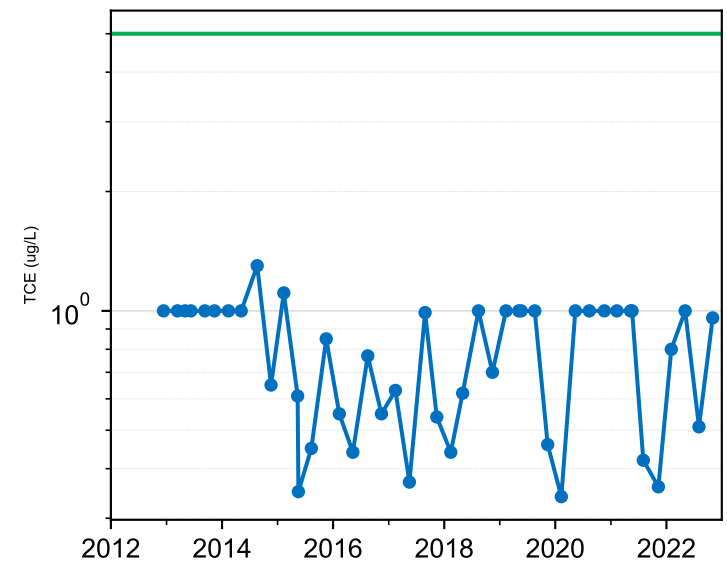
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/12/2012		1.0 U
03/14/2013	-2.5 U	1.0 U
05/03/2013	8.04 U	1.0 U
06/10/2013		1.0 U
09/10/2013		1.0 UJ
11/12/2013	21.4	1.0 U
02/12/2014	-9.19 U	1.0 U
05/07/2014	-7.4 U	1.0 U
08/20/2014	-5.43 U	1.3
11/19/2014	1.64 U	0.65 J
02/11/2015	-12.5 U	1.11
05/13/2015	-5.27 U	0.61 J
05/18/2015	0.894 U	0.35 J
08/11/2015	4.82 U	0.45 J
11/17/2015	5.86 U	0.85 J
02/11/2016	-0.0215 U	0.55 J
05/10/2016	-7.24 U	0.44 J
08/16/2016	-16.3 U	0.77 J
11/14/2016	8.22 U	0.55 J
02/14/2017	1.41 U	0.63 J
05/17/2017	0.823 U	0.37 J
08/28/2017	-10.1 U	0.99 J
11/13/2017	-8.04 U	0.54 J
02/13/2018	-6.62 U	0.44 J
05/02/2018	1.15 U	0.62 J
08/14/2018	0.0772 U	1.0 U
11/14/2018		0.7 J
02/11/2019		1.0 U
05/06/2019		1.0 U
05/22/2019		1.0 U
08/19/2019		1.0 U
11/12/2019		0.46 J
02/10/2020		0.34 J
05/12/2020		1.0 U
08/12/2020		1.0 U
11/19/2020	8.1 U	1.0 U
02/09/2021	0.0513 UJ	1.0 U
05/10/2021	-0.502 U	1.0 U
05/20/2021		1.0 U
08/02/2021	10.8 U	0.42 J
11/09/2021	-0.824 U	0.36 J
02/02/2022	-0.452 U	0.8 J
05/04/2022	-0.518 U	1.0 U
08/03/2022	-7.87 U	0.51 J
11/01/2022	3.67 U	0.96 J

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

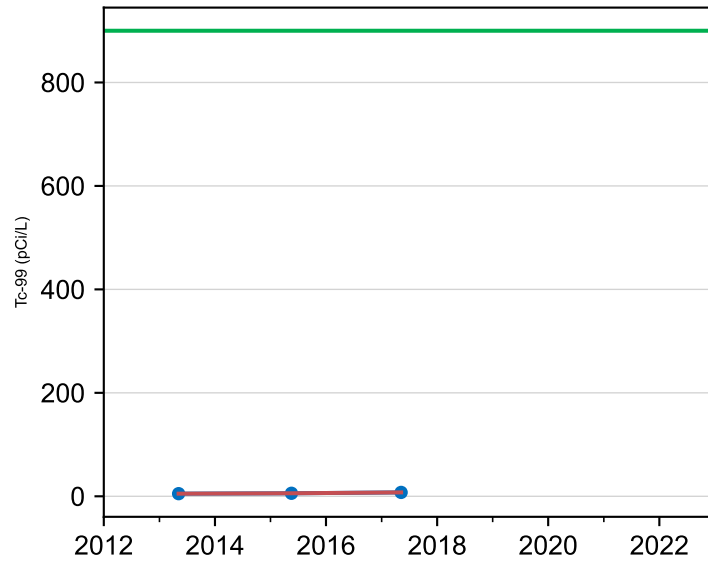
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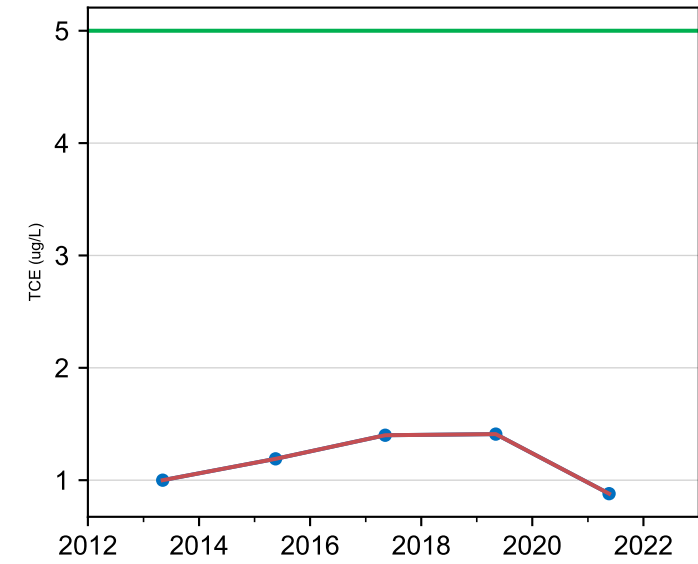
Figure 157. Tc-99 and TCE at MW435 (LRGA)

Source: Trend_Plots_V1.ipynb

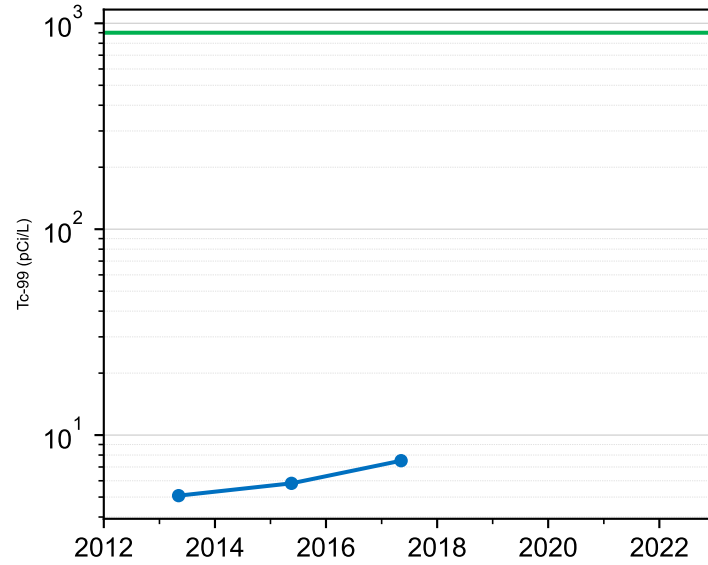
Technetium-99



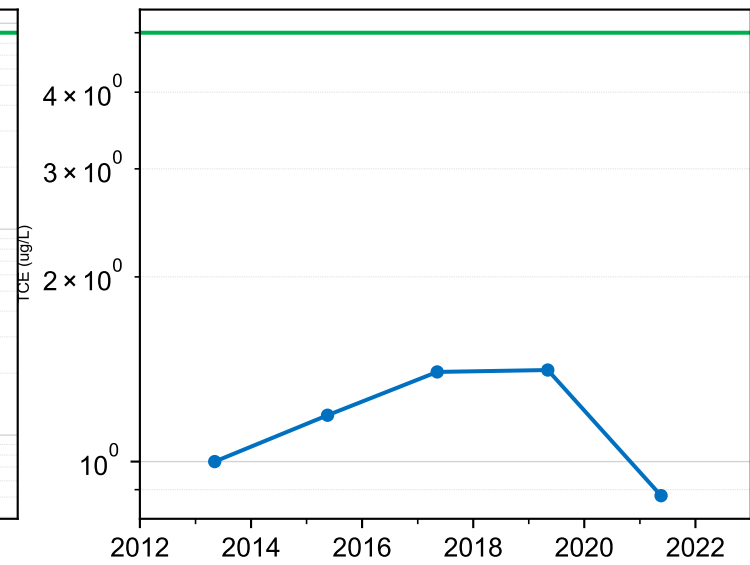
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/07/2013	5.08 U	1.0 U
05/19/2015	5.83 U	1.19
05/09/2017	7.51 U	1.4
05/06/2019		1.41
05/20/2021		0.88 J

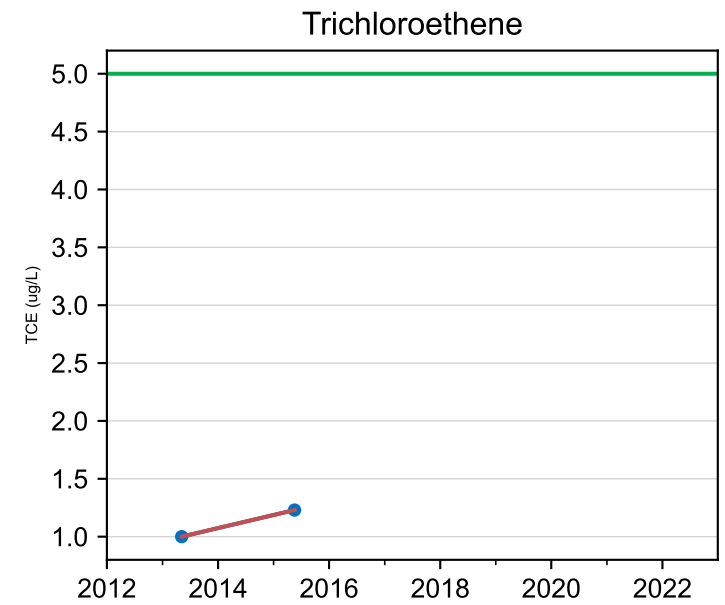
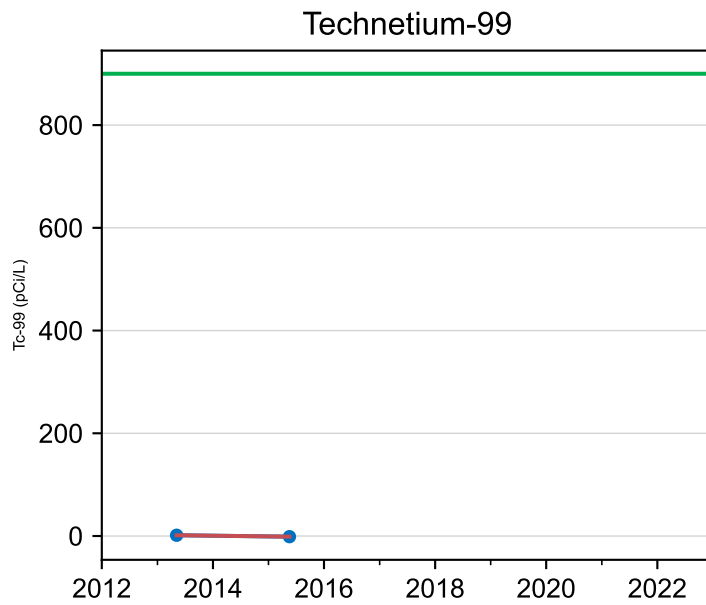
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

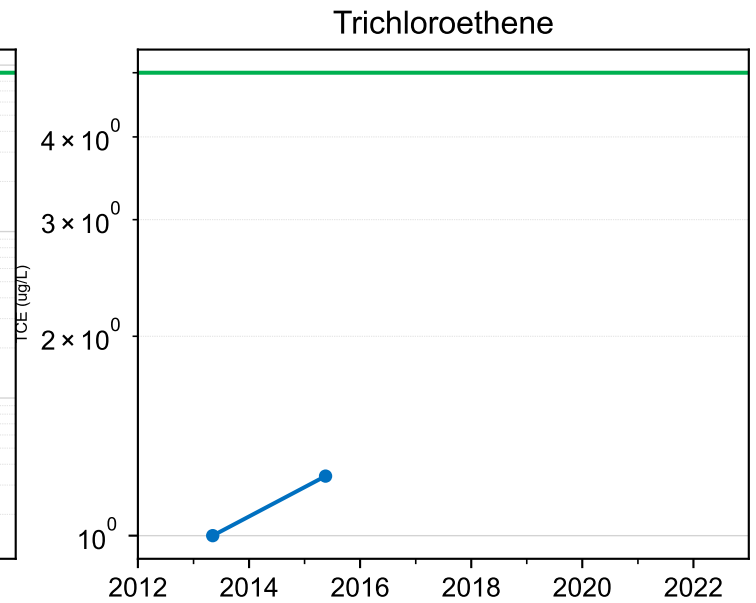
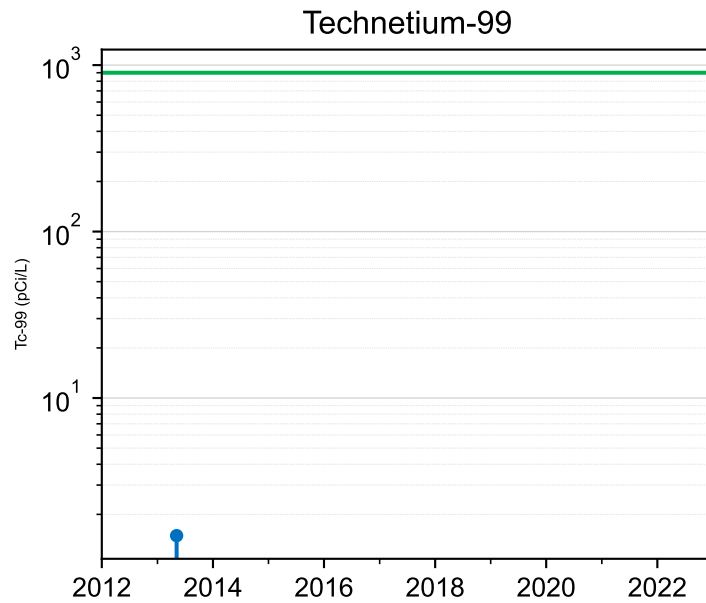
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Figure 158. Tc-99 and TCE at MW439 (MRGA)



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/07/2013	1.49 U	1.0 U
05/19/2015	-1.28 U	1.23



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

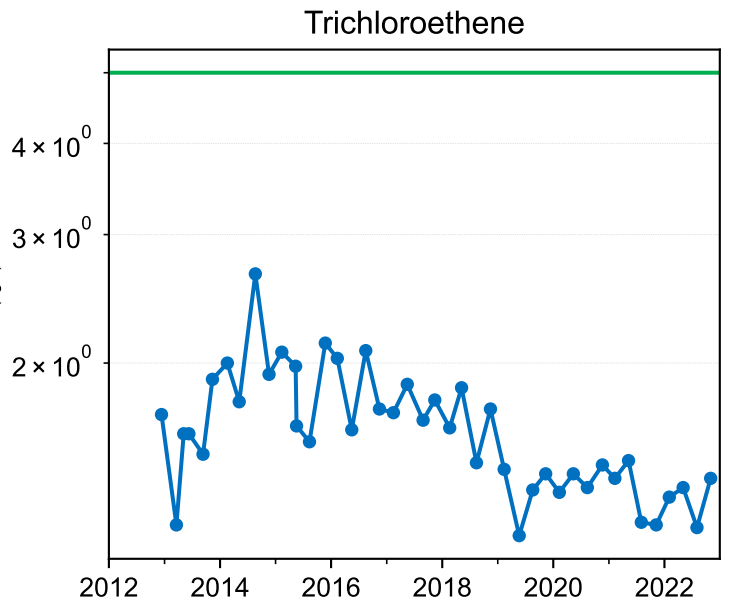
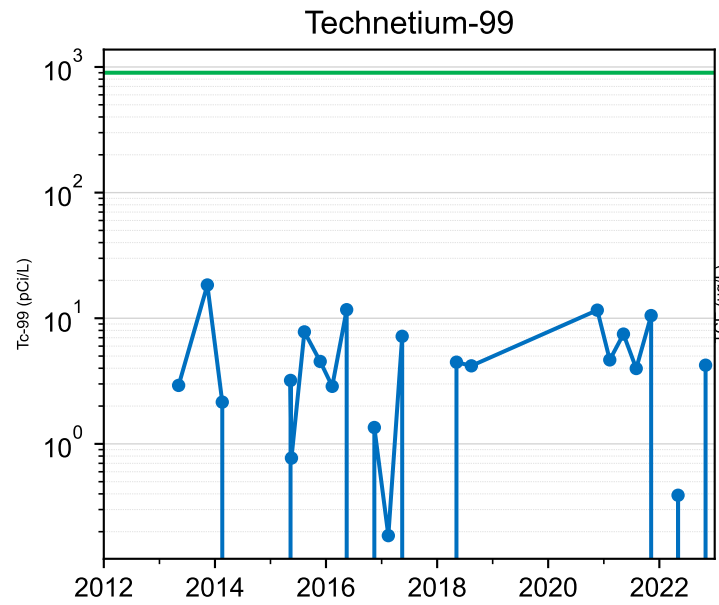
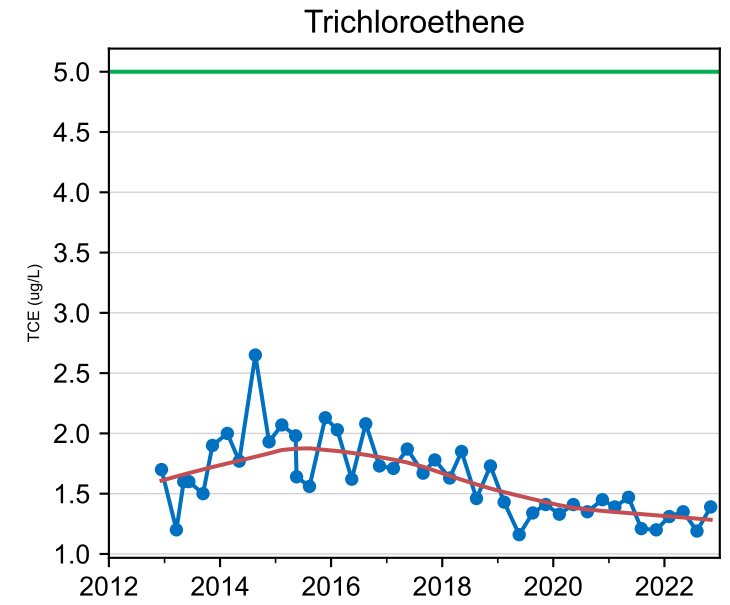
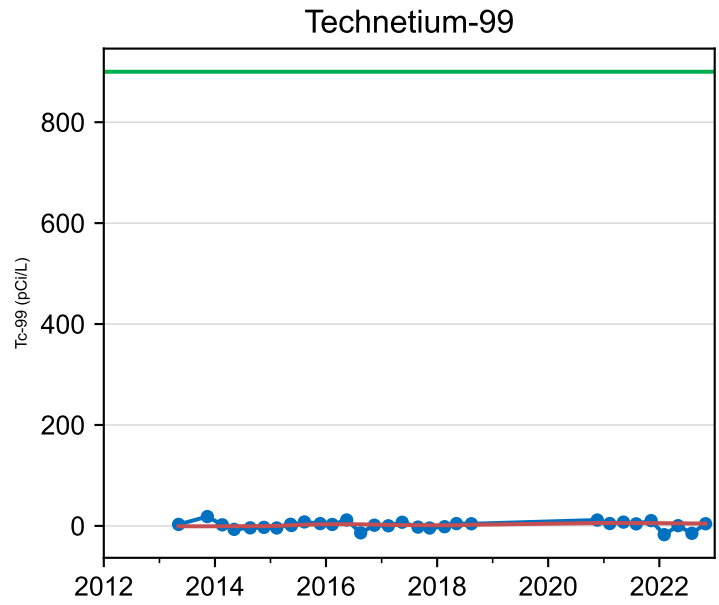
● Data — LOWESS
— MCLs

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Figure 159. Tc-99 and TCE at MW440 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/12/2012		1.7
03/20/2013		1.2
05/07/2013	2.92 U	1.6 J
08/10/2013		1.6
09/11/2013		1.5
11/12/2013	18.4	1.9
02/18/2014	2.15 U	2.0
05/07/2014	-6.88 U	1.77
08/21/2014	-3.88 U	2.65
11/19/2014	-2.98 U	1.93
02/11/2015	-4.15 U	2.07
05/13/2015	3.2 U	1.98
05/19/2015	0.771 U	1.64
08/12/2015	7.79 U	1.56
11/24/2015	4.53 U	2.13
02/11/2016	2.87 U	2.03
05/16/2016	11.7 U	1.62
08/16/2016	-13.8 U	2.08
11/14/2016	1.35 U	1.73
02/14/2017	0.186 U	1.71
05/16/2017	7.18 U	1.87
08/28/2017	-2.41 U	1.67
11/13/2017	-4.2 U	1.78
02/19/2018	-1.63 U	1.63
05/08/2018	4.47 U	1.85
08/14/2018	4.18 U	1.46
11/14/2018		1.73
02/12/2019		1.43
05/22/2019		1.16
08/19/2019		1.34
11/12/2019		1.41
02/10/2020		1.33
05/12/2020		1.41
08/12/2020		1.35
11/19/2020	11.6 U	1.45
02/09/2021	4.66 UJ	1.39
05/10/2021	7.48 U	1.47
08/02/2021	3.98 U	1.21
11/08/2021	10.5 U	1.2
02/02/2022	-17.4 U	1.31
05/04/2022	0.39 U	1.35
08/03/2022	-14.7 U	1.19
11/01/2022	4.23 U	1.39



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

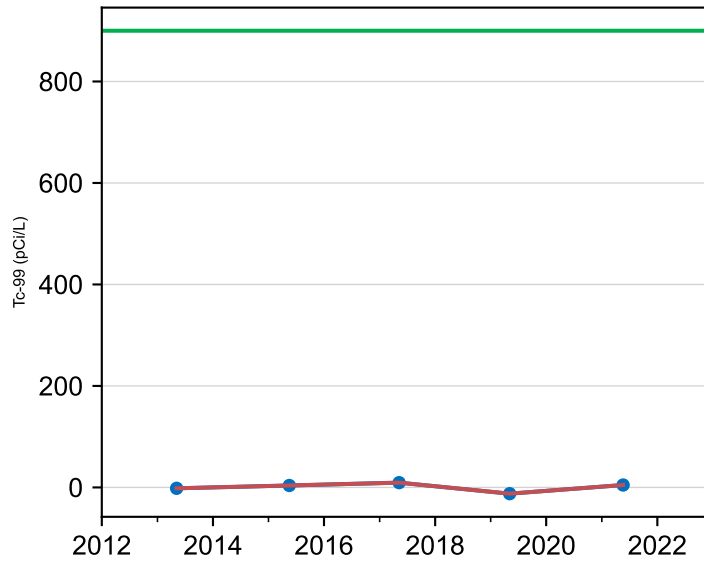
● Data
 — LOWESS
 — MCLs

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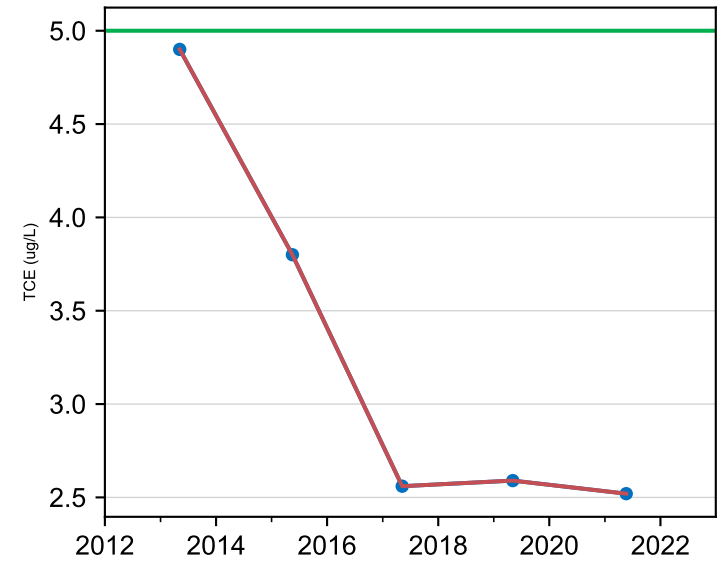
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Figure 160. Tc-99 and TCE at MW441 (LRGA)

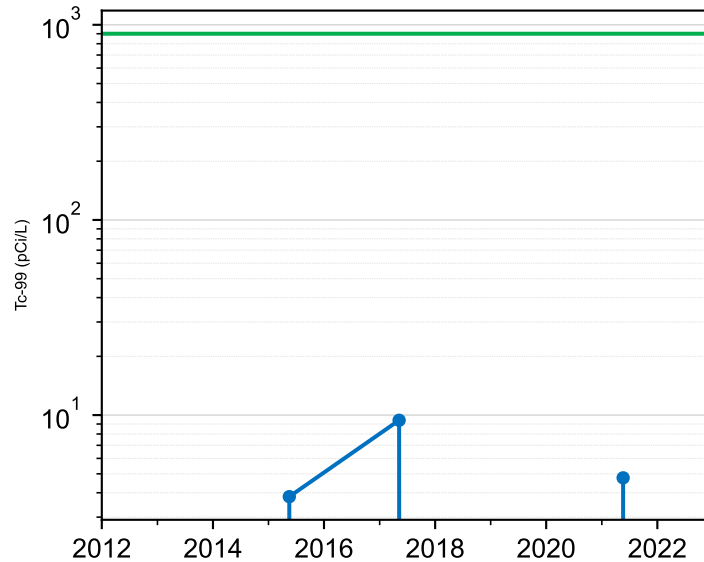
Technetium-99



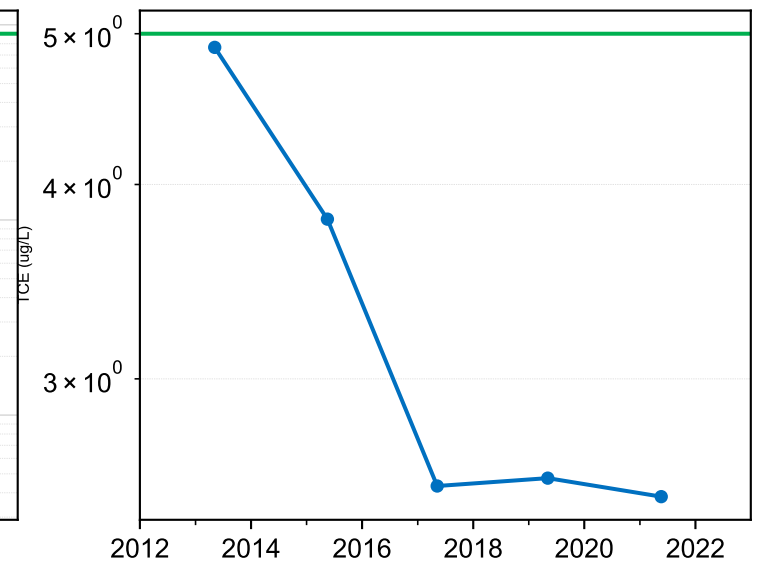
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/07/2013	-1.74 U	4.9 J
05/18/2015	3.82 U	3.8
05/09/2017	9.41 U	2.56
05/06/2019	-12.3 U	2.59
05/21/2021	4.77 U	2.52

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

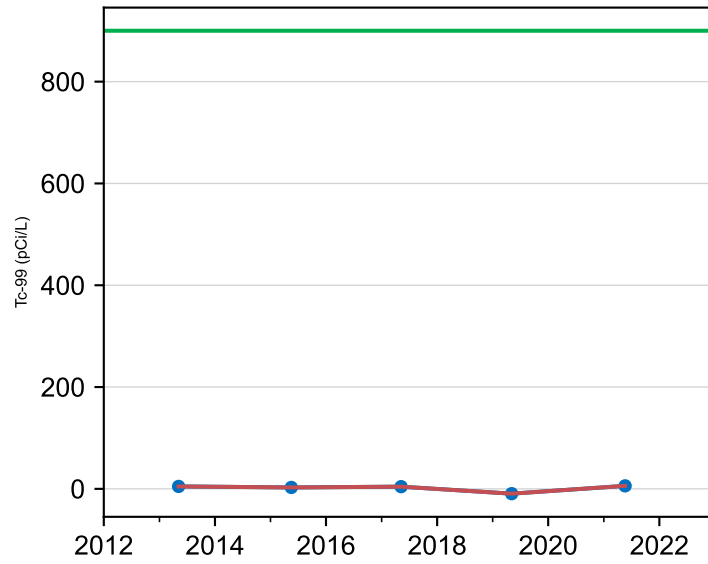
● Data
 — LOWESS
 — MCLs

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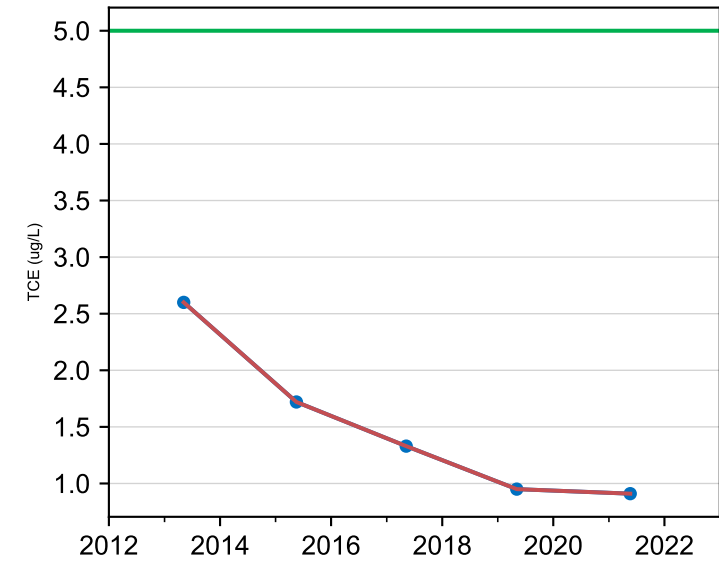
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Figure 161. Tc-99 and TCE at MW442 (LRGA)

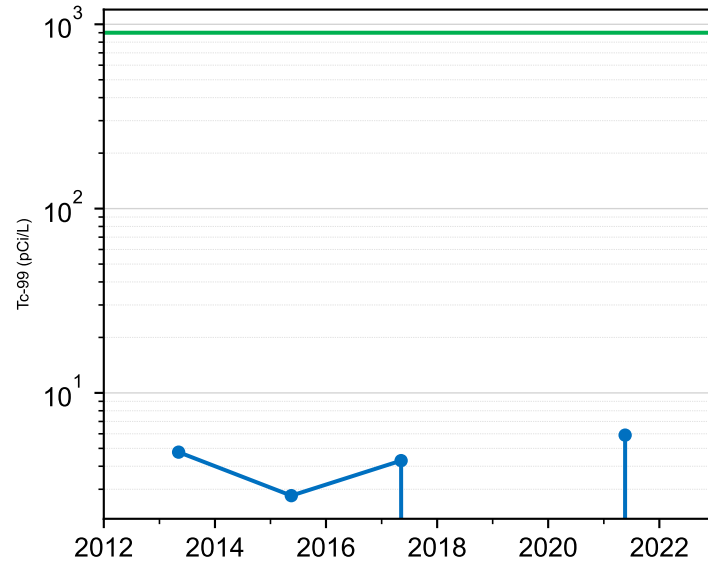
Technetium-99



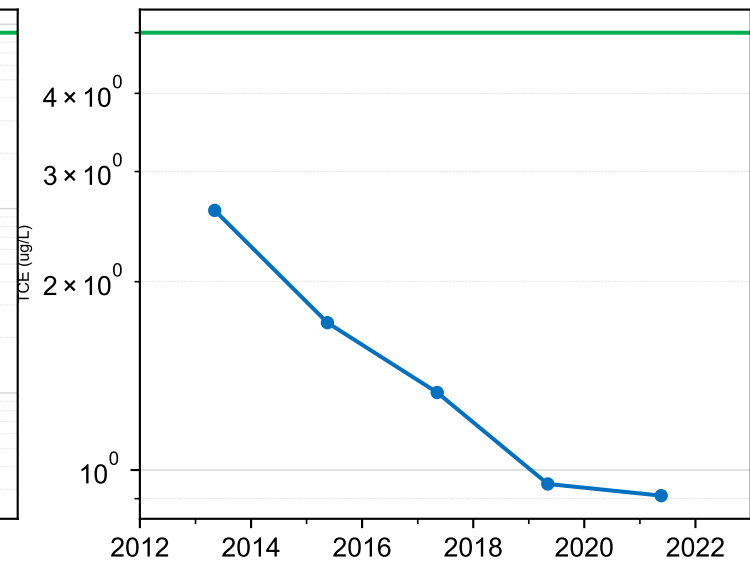
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/07/2013	4.77 U	2.6 J
05/18/2015	2.77 U	1.72
05/09/2017	4.29 U	1.33
05/06/2019	-9.46 U	0.95 J
05/21/2021	5.9 U	0.91 J

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

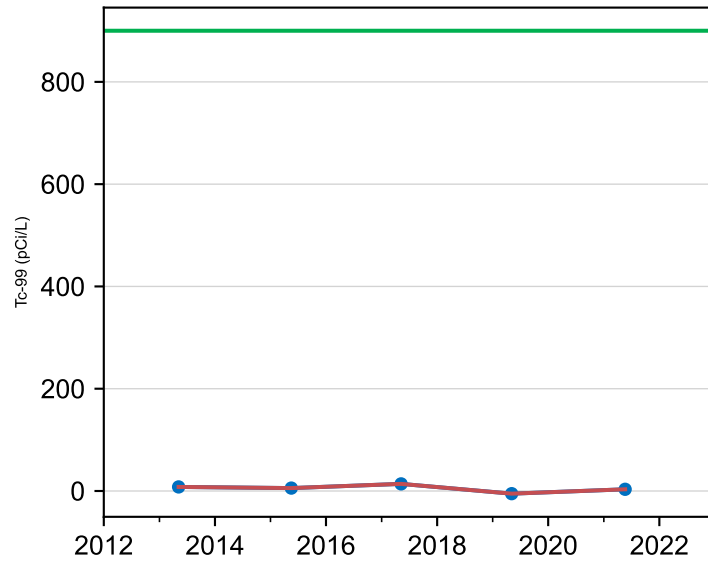
● Data
 — LOWESS
 — MCLs

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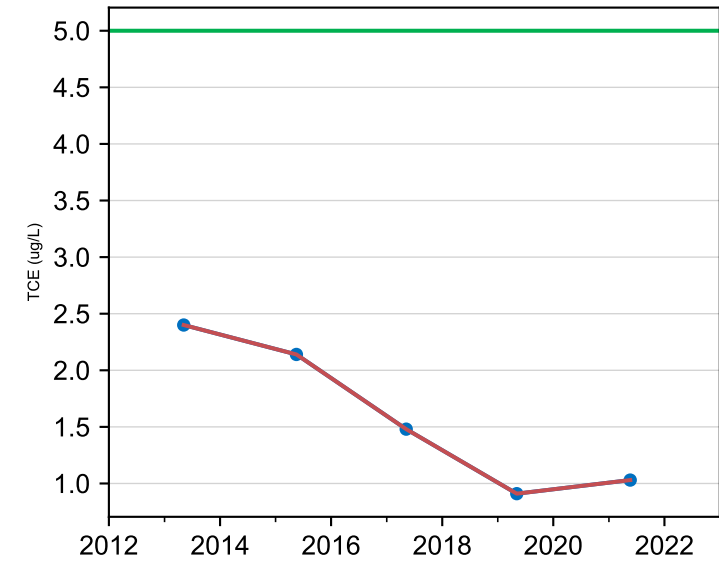
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 162. Tc-99 and TCE at MW443 (LRGA)

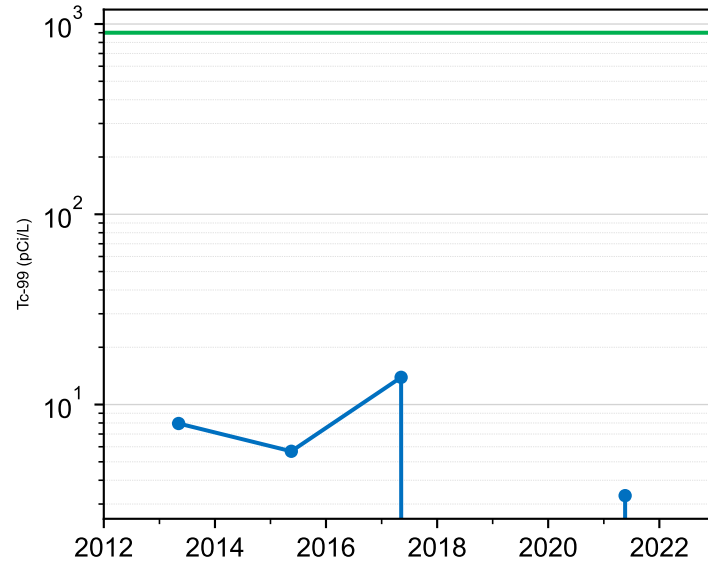
Technetium-99



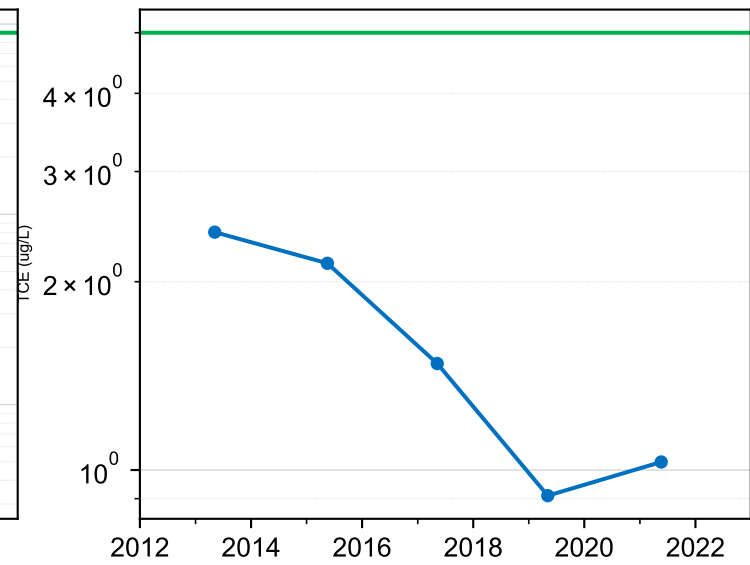
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/07/2013	7.95 U	2.4 J
05/18/2015	5.68 U	2.14
05/09/2017	13.9 U	1.48
05/06/2019	-5.23 U	0.91 J
05/21/2021	3.32 U	1.03

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

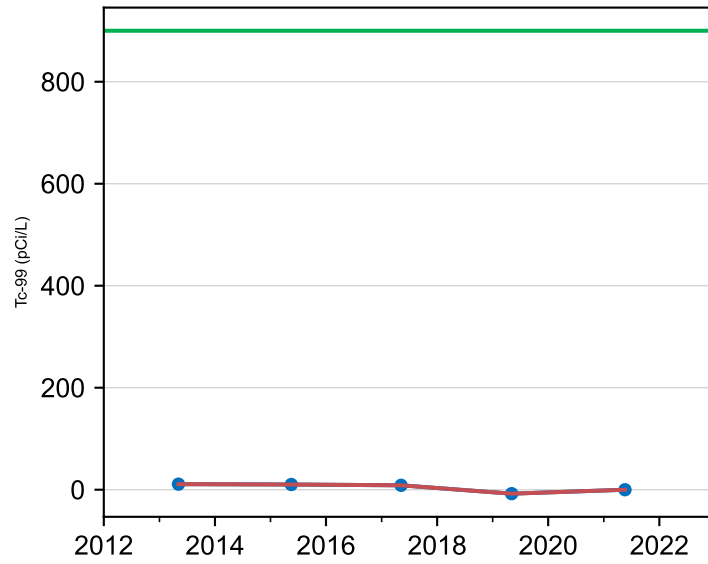
● Data
 — LOWESS
 — MCLs

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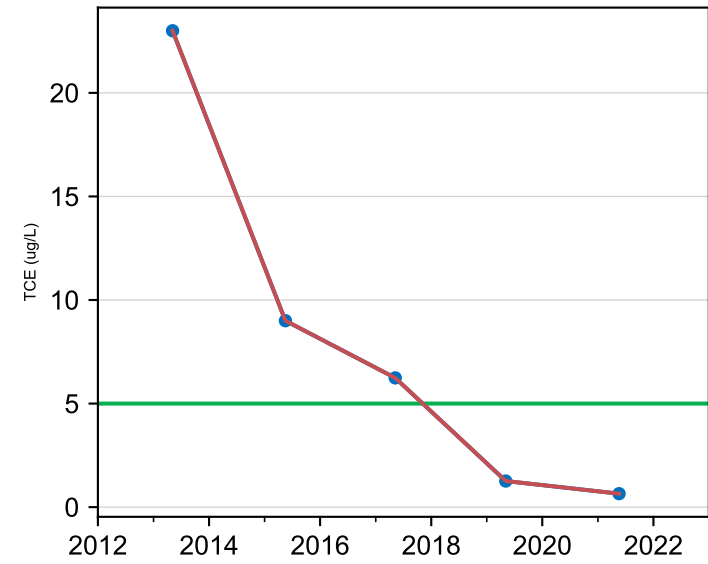
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 163. Tc-99 and TCE at MW444 (LRGA)

Technetium-99

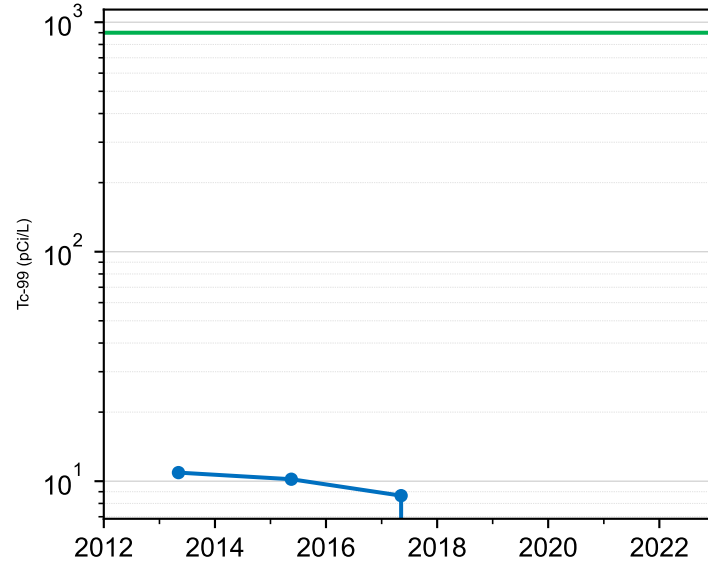


Trichloroethene

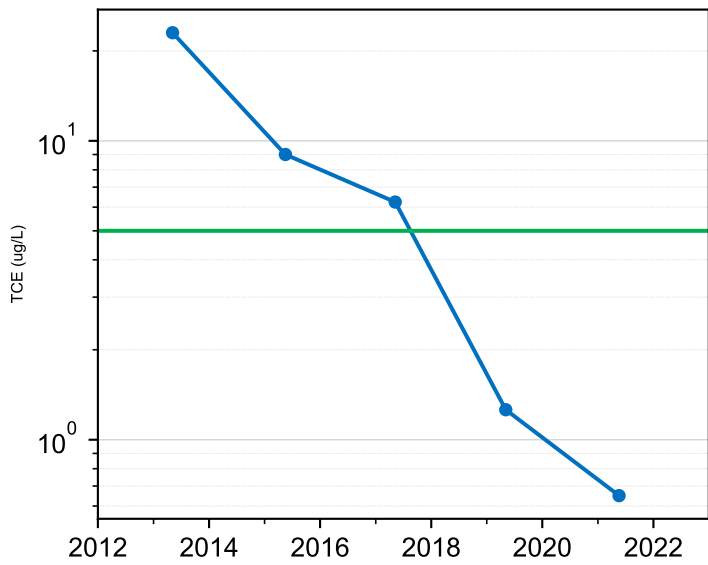


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/06/2013	10.9 U	23.0
05/18/2015	10.2 U	9.0
05/09/2017	8.65 U	6.24
05/06/2019	-7.76 U	1.26
05/20/2021	-0.0544 U	0.65 J

Technetium-99



Trichloroethene



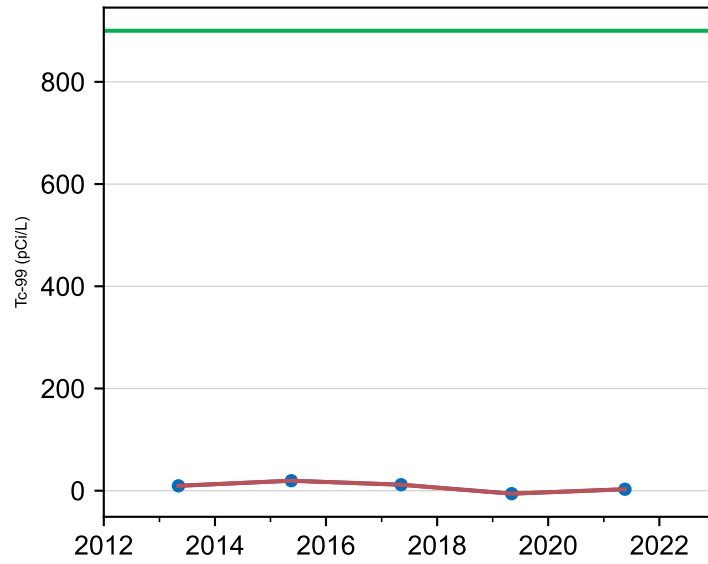
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

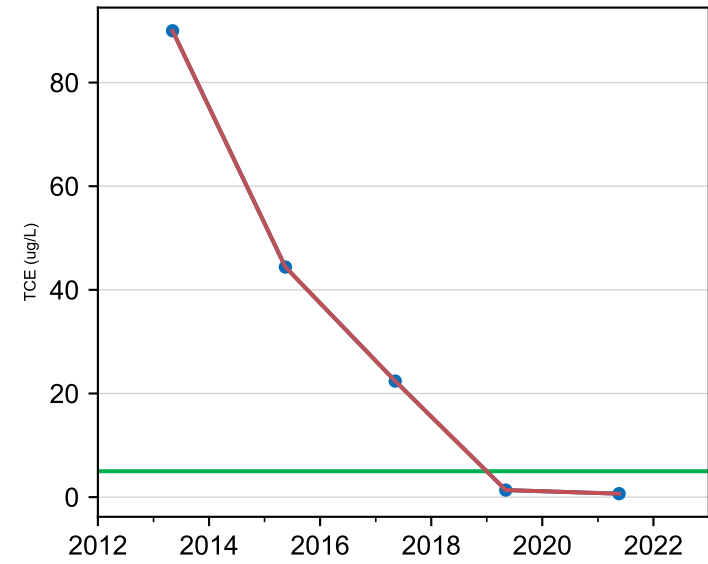
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 PADUCAH GASEOUS DIFFUSION PLANT

Figure 164. Tc-99 and TCE at MW445 (MRGA)

Technetium-99

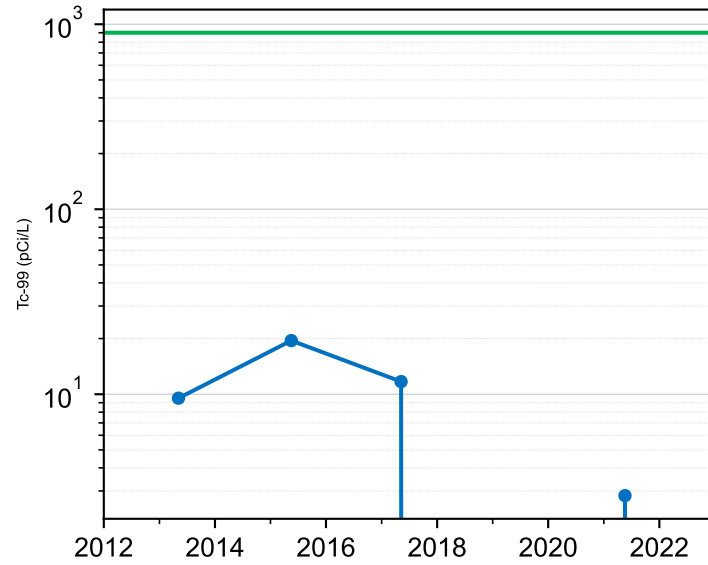


Trichloroethene

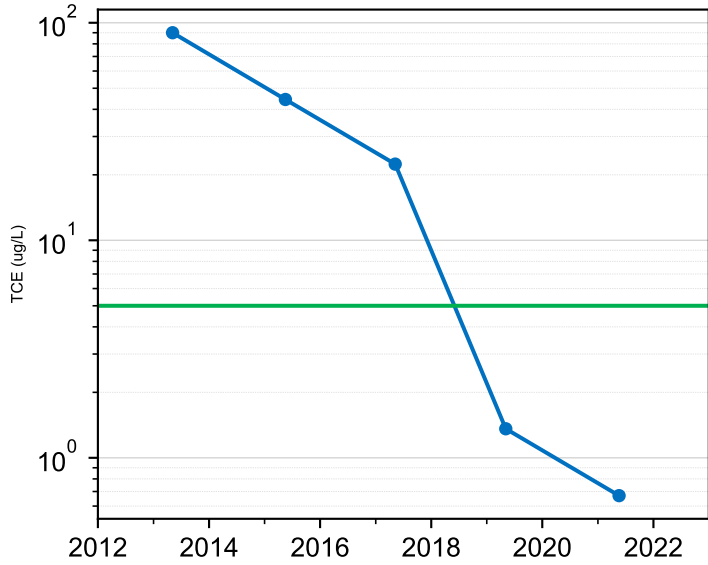


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/06/2013	9.52 U	90.0 J
05/18/2015	19.5	44.4
05/09/2017	11.7 U	22.4
05/06/2019	-5.83 U	1.36
05/20/2021	2.83 U	0.67 J

Technetium-99



Trichloroethene



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

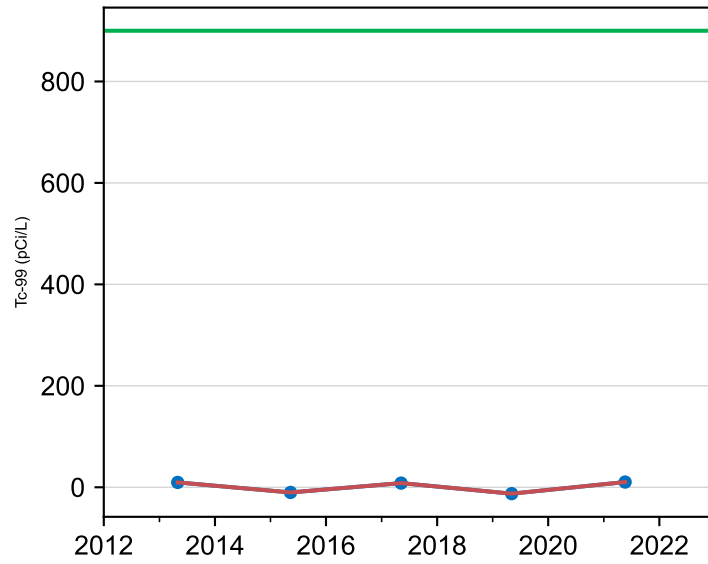
● Data
 — LOWESS
 — MCLs

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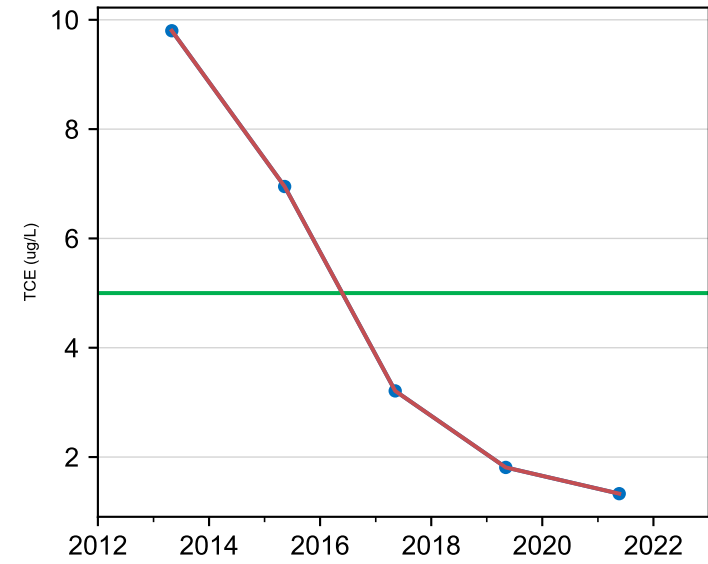
FOUR RIVERS
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Figure 165. Tc-99 and TCE at MW447 (LRGA)

Technetium-99

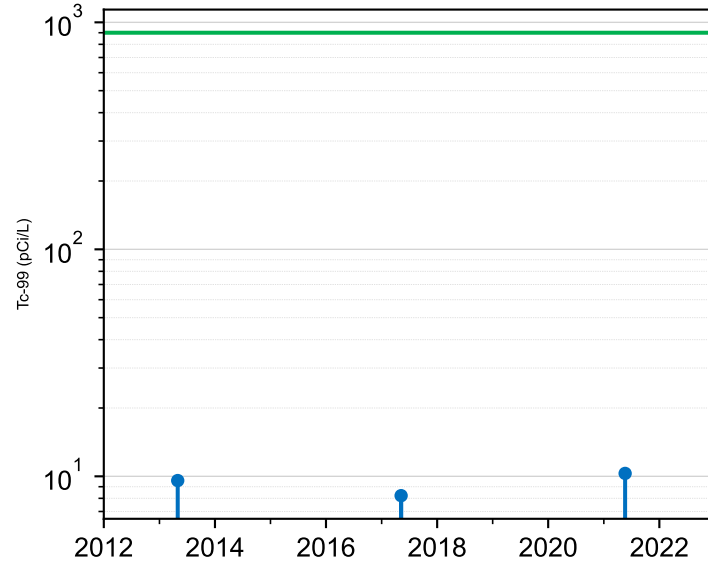


Trichloroethene

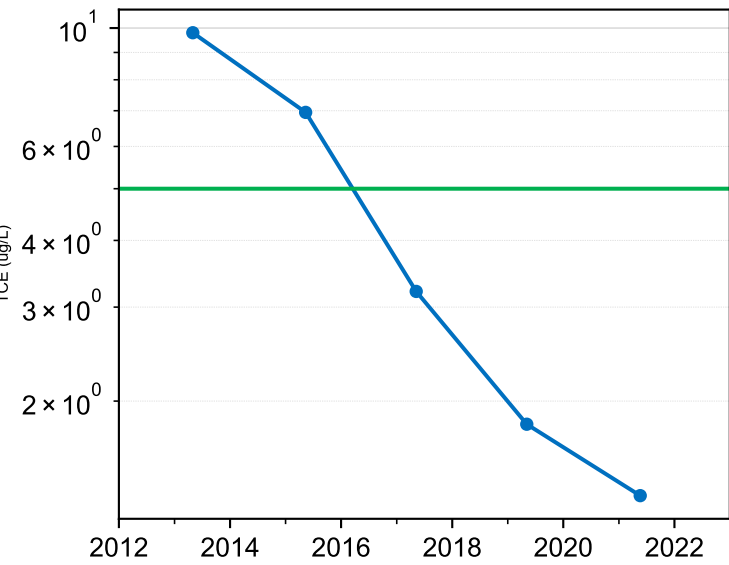


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/01/2013	9.58 U	9.8
05/13/2015	-10.2 U	6.95
05/09/2017	8.22 U	3.21
05/06/2019	-12.6 U	1.81
05/21/2021	10.3 U	1.33

Technetium-99



Trichloroethene



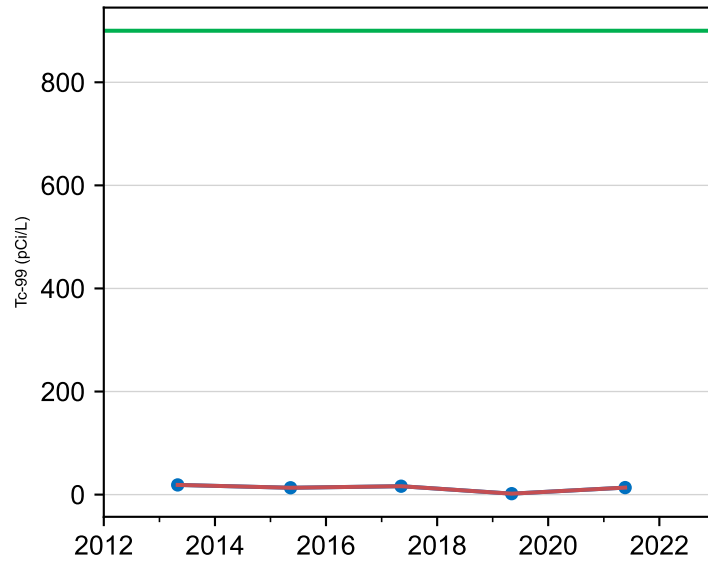
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

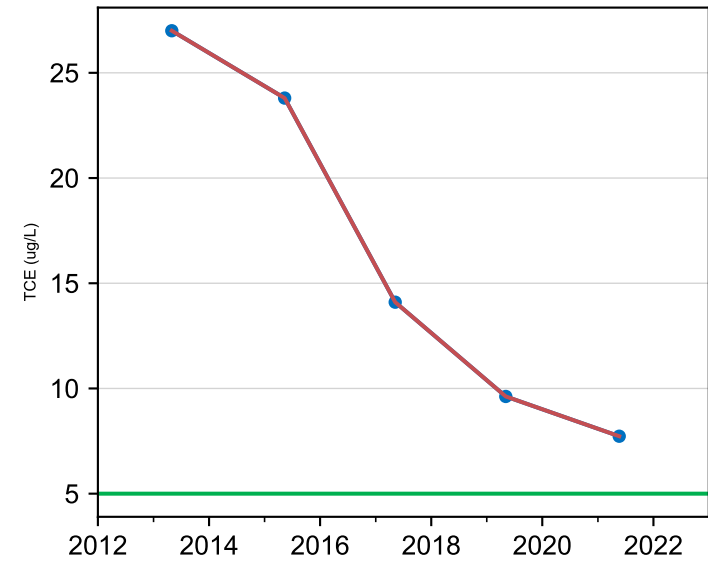
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Figure 166. Tc-99 and TCE at MW448 (MRGA)

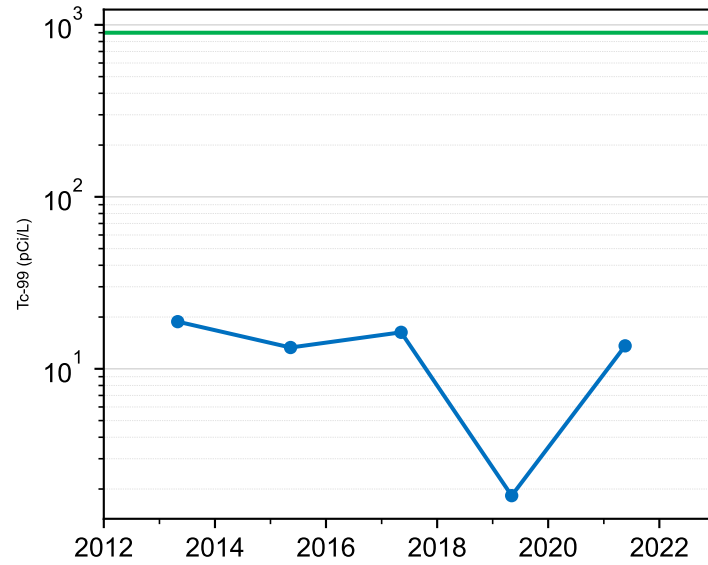
Technetium-99



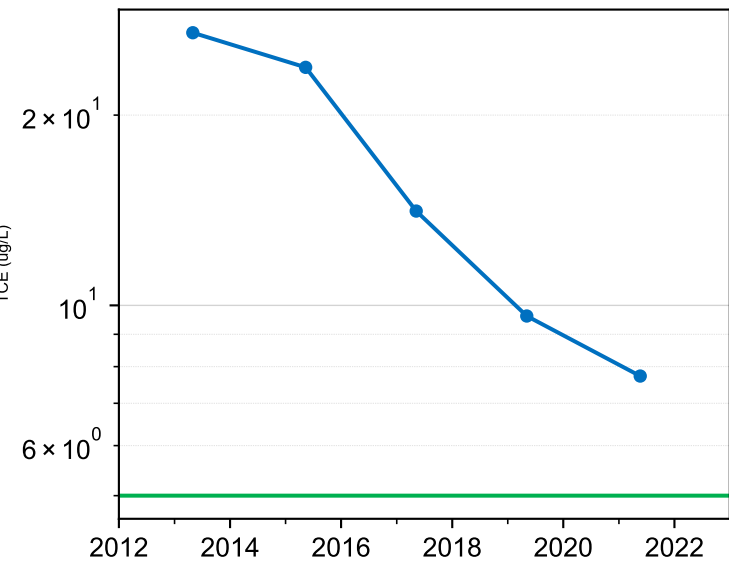
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/01/2013	18.8	27.0
05/13/2015	13.3 U	23.8
05/09/2017	16.3 U	14.1
05/06/2019	1.83 U	9.62
05/21/2021	13.6 U	7.73

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

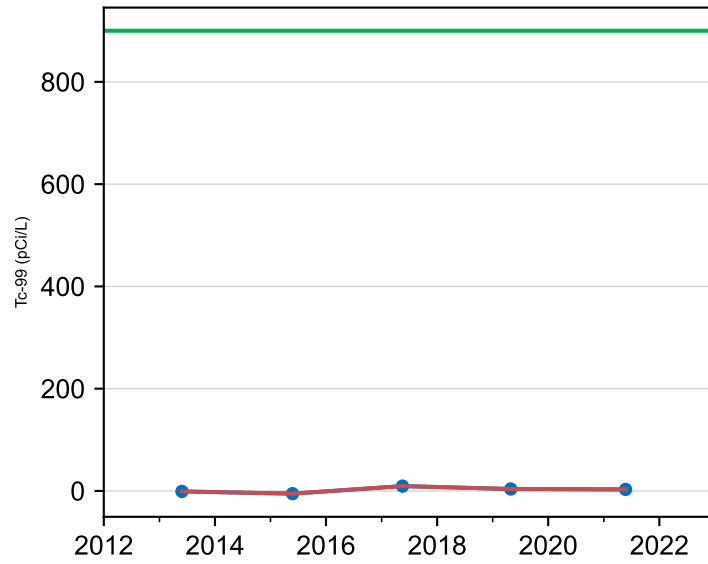
● Data
 — LOWESS
 — MCLs

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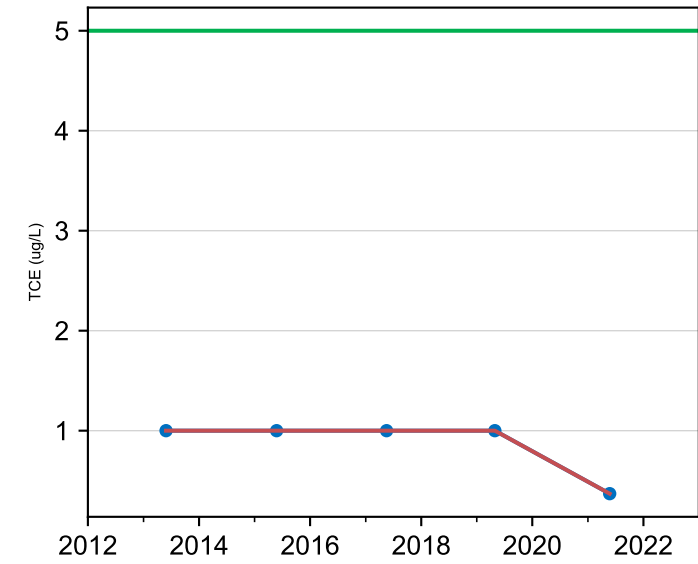
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 167. Tc-99 and TCE at MW450 (LRGA)

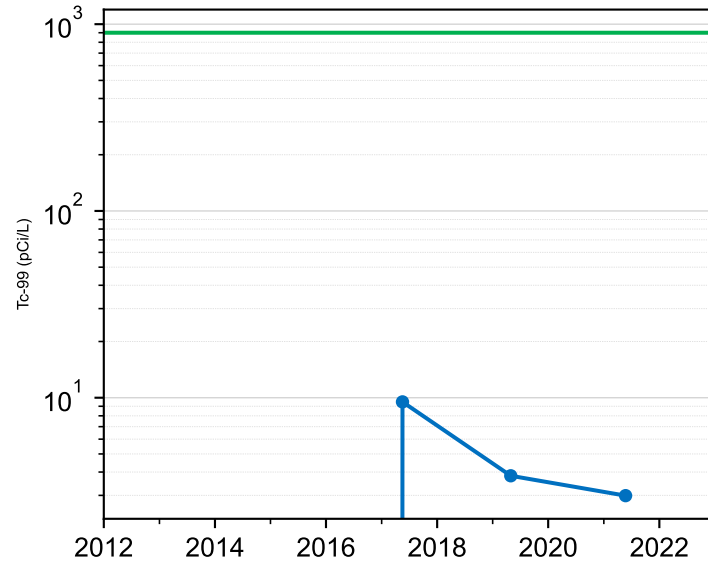
Technetium-99



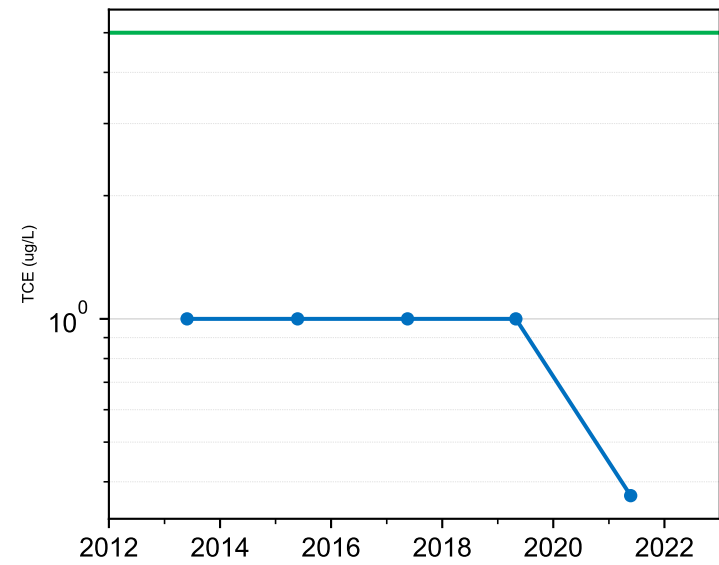
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/29/2013	-0.886 U	1.0 U
05/26/2015	-5.31 U	1.0 U
05/18/2017	9.5 U	1.0 U
04/30/2019	3.82 U	1.0 U
05/24/2021	2.99 U	0.37 J

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

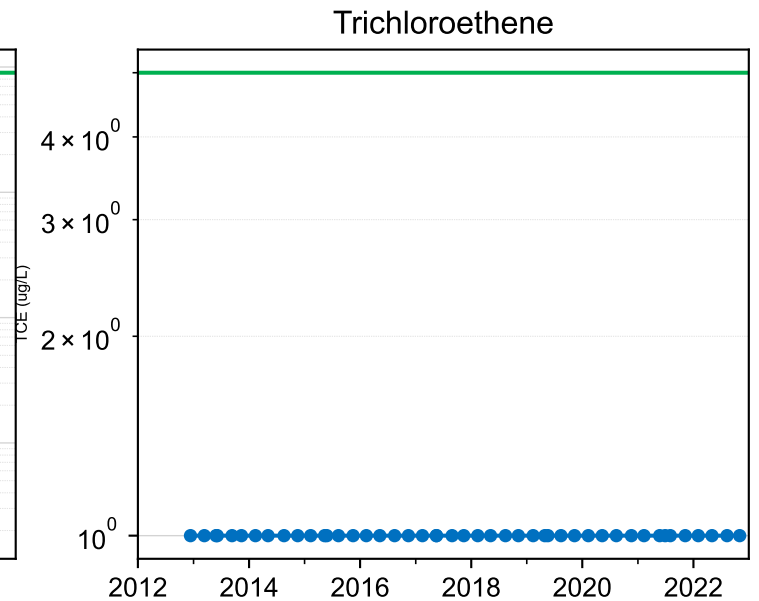
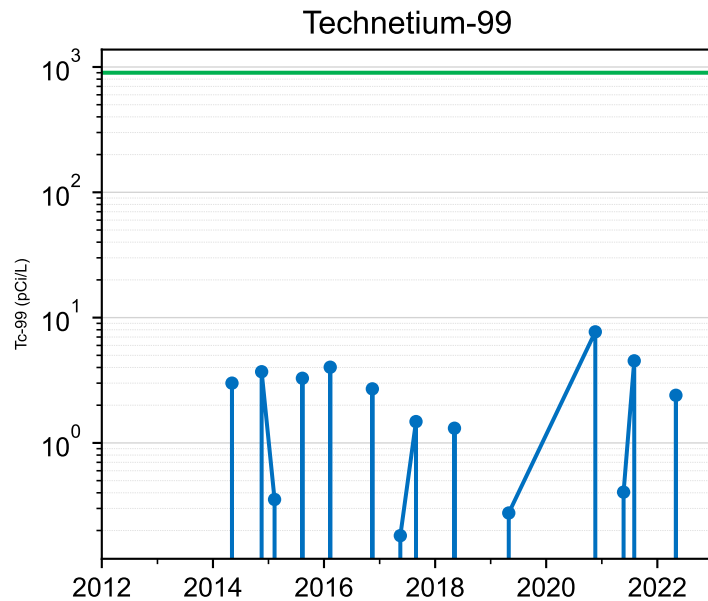
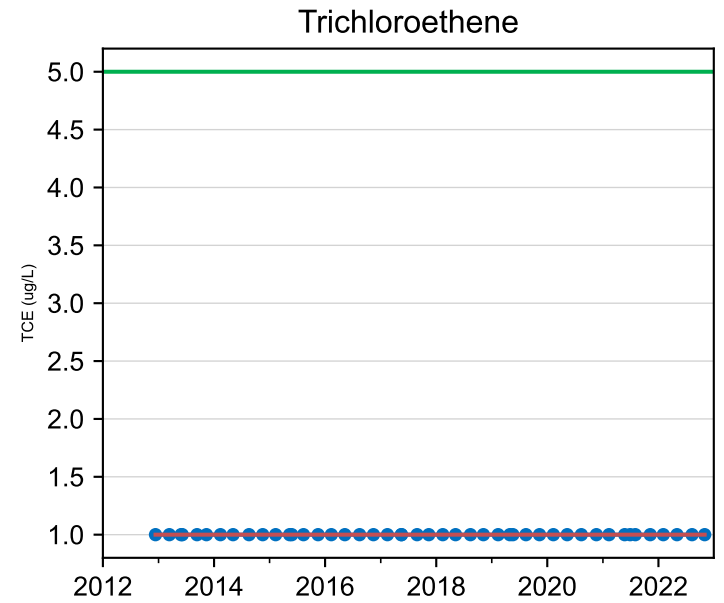
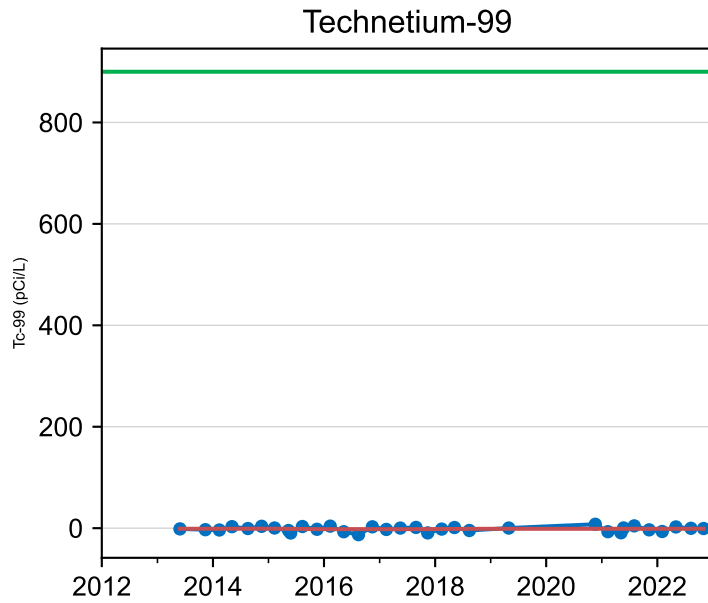
● Data
 — LOWESS
 — MCLs

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Figure 168. Tc-99 and TCE at MW451 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/12/2012		1.0 U
03/13/2013		1.0 U
05/29/2013	-1.42 U	1.0 U
06/06/2013		1.0 U
09/11/2013		1.0 U
11/12/2013	-2.99 U	1.0 U
02/12/2014	-3.59 U	1.0 U
05/06/2014	3.0 U	1.0 U
08/19/2014	-0.708 U	1.0 U
11/17/2014	3.7 U	1.0 U
02/10/2015	0.354 U	1.0 U
05/13/2015	-4.59 U	1.0 U
05/27/2015	-9.52 U	1.0 U
08/12/2015	3.28 U	1.0 U
11/16/2015	-2.18 U	1.0 U
02/11/2016	4.02 U	1.0 U
05/10/2016	-7.0 U	1.0 U
08/15/2016	-12.8 U	1.0 U
11/14/2016	2.7 U	1.0 U
02/14/2017	-2.5 U	1.0 U
05/17/2017	0.182 U	1.0 U
08/28/2017	1.48 U	1.0 U
11/13/2017	-9.32 U	1.0 U
02/13/2018	-1.8 U	1.0 U
05/08/2018	1.31 U	1.0 U
08/14/2018	-4.54 U	1.0 U
11/07/2018		1.0 U
02/12/2019		1.0 U
04/30/2019	0.276 U	1.0 U
05/20/2019		1.0 U
08/14/2019		1.0 U
11/11/2019		1.0 U
02/10/2020		1.0 U
05/11/2020		1.0 U
08/12/2020		1.0 U
11/19/2020	7.7 U	1.0 U
02/10/2021	-6.91 U	1.0 U
05/07/2021	-9.06 U	
05/24/2021	0.405 U	1.0 U
06/29/2021		1.0 U
08/02/2021	4.52 U	1.0 U
11/08/2021	-3.27 U	1.0 U
02/02/2022	-6.54 U	1.0 U
05/03/2022	2.4 U	1.0 U
08/10/2022	-0.237 U	1.0 U
11/01/2022	-0.67 U	1.0 U



Notes:

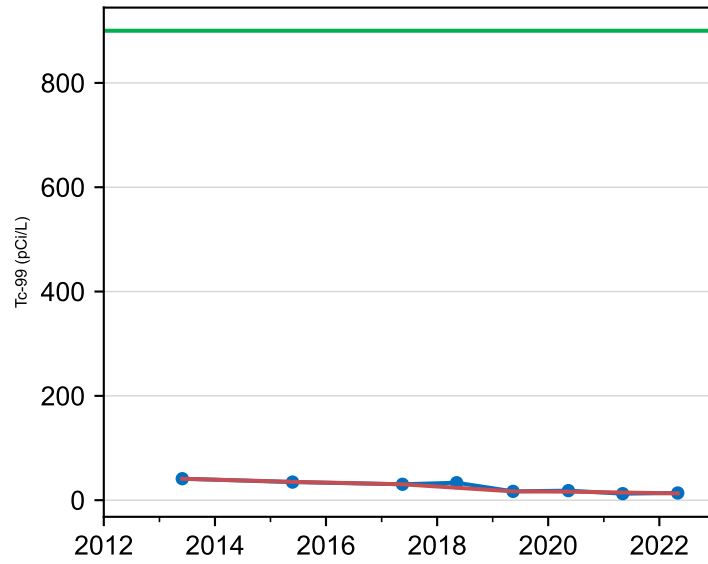
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

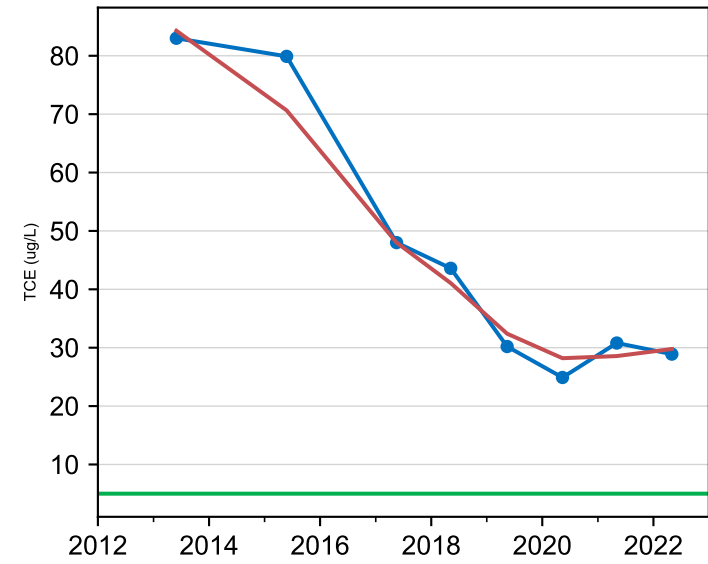
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Figure 169. Tc-99 and TCE at MW452 (LRGA)

Technetium-99

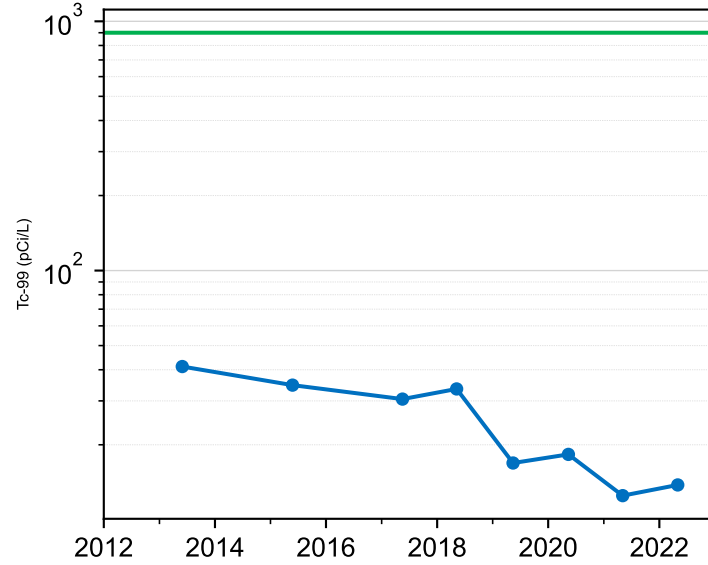


Trichloroethene

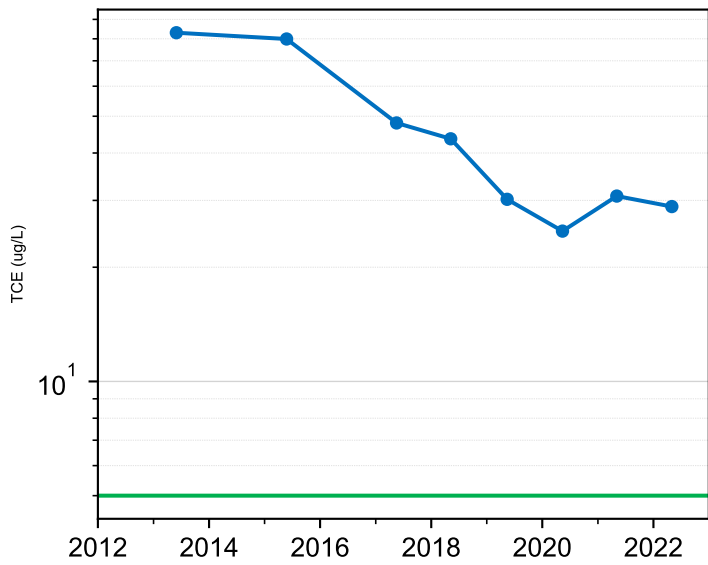


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/31/2013	41.2	83.0
05/26/2015	34.7	79.9
05/18/2017	30.5	48.0
05/09/2018	33.5	43.6
05/15/2019	16.9 U	30.2
05/13/2020	18.3 U	24.9
05/05/2021	12.5 U	30.8
05/02/2022	13.8 U	28.9

Technetium-99



Trichloroethene



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

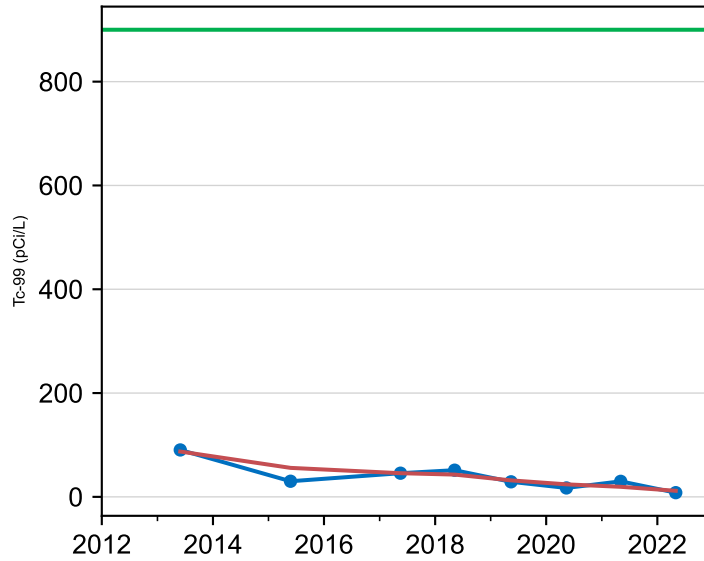
● Data
 — LOWESS
 — MCLs

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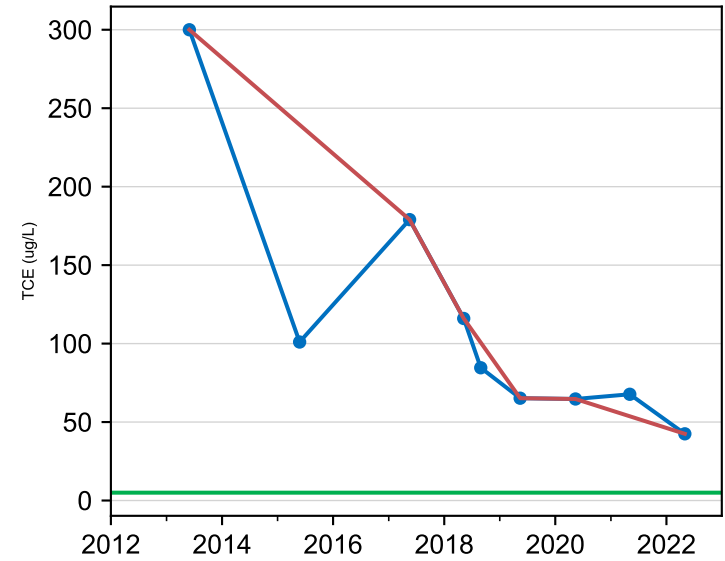
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Figure 170. Tc-99 and TCE at MW453 (URGA)

Technetium-99

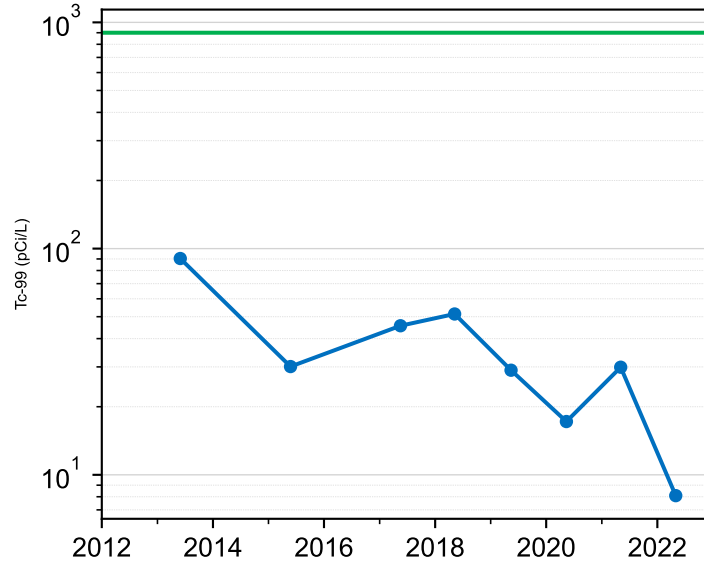


Trichloroethene

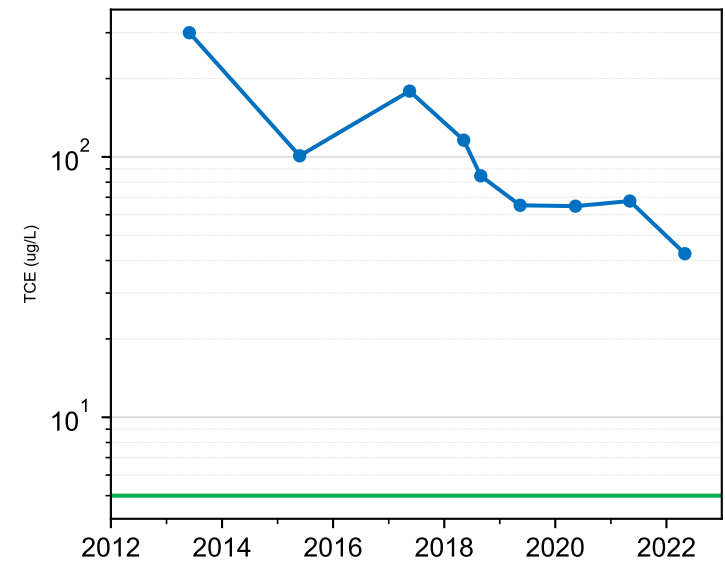


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/31/2013	90.4	300.0
05/26/2015	30.1	101.0
05/18/2017	45.6	179.0
05/09/2018	51.4	116.0 J
08/29/2018		84.6
05/15/2019	29.0	65.2
05/13/2020	17.2 U	64.7
05/05/2021	29.9	67.7
05/02/2022	8.09 U	42.5

Technetium-99



Trichloroethene



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

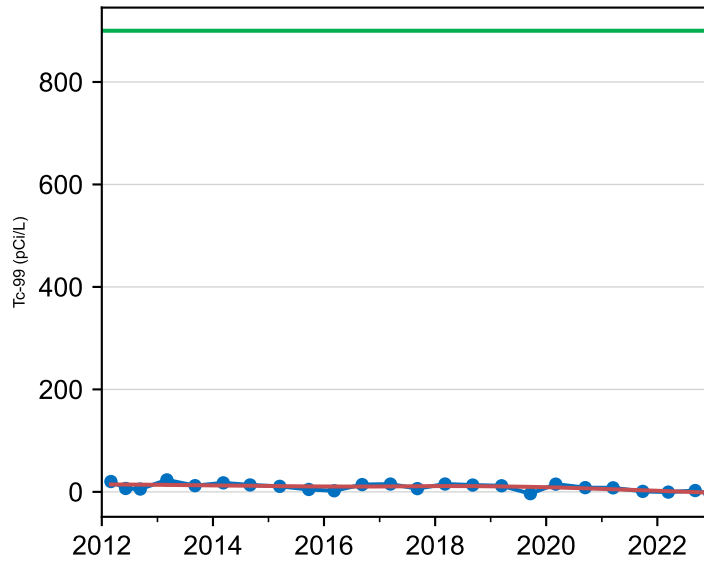
● Data
— LOWESS
— MCLs

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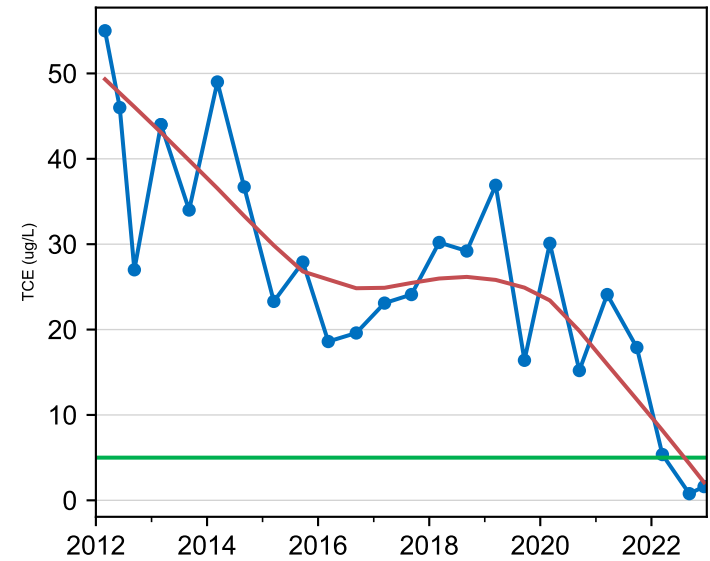


Figure 171. Tc-99 and TCE at MW454 (LRGA)

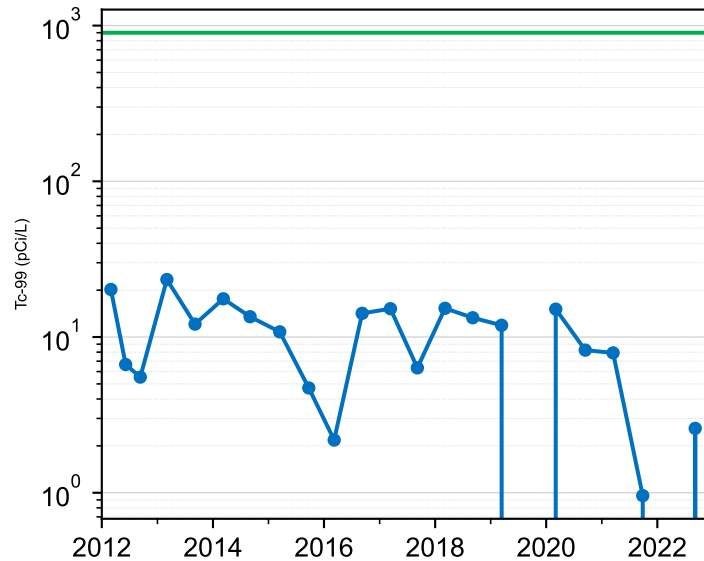
Technetium-99



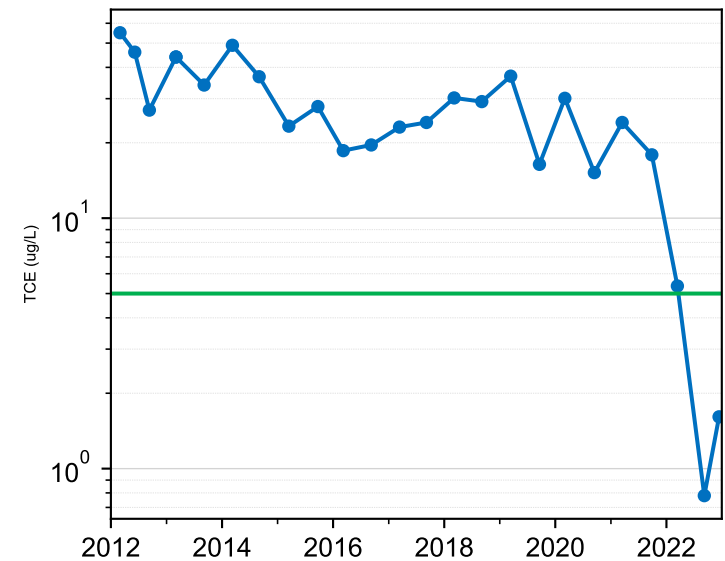
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/01/2012	20.2	55.0
06/06/2012	6.66 U	46.0
09/10/2012	5.53 U	27.0 J
03/04/2013	23.4	44.0
09/05/2013	12.1 U	34.0
03/10/2014	17.6	49.0
09/02/2014	13.5 U	36.7
03/16/2015	10.8 U	23.3
09/23/2015	4.71 U	27.9
03/08/2016	2.18 U	18.6
09/08/2016	14.2 U	19.6
03/13/2017	15.2 U	23.1
09/06/2017	6.34 U	24.1
03/07/2018	15.3	30.2
09/05/2018	13.3 U	29.2
03/14/2019	11.9 U	36.9
09/19/2019	-3.5 U	16.4
03/04/2020	15.1	30.1
09/14/2020	8.24 U	15.2
03/16/2021	7.91 U	24.1
09/27/2021	0.958 U	17.9
03/14/2022	-0.474 U	5.36
09/07/2022	2.59 U	0.78 J
12/13/2022	-3.5 U	1.61

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

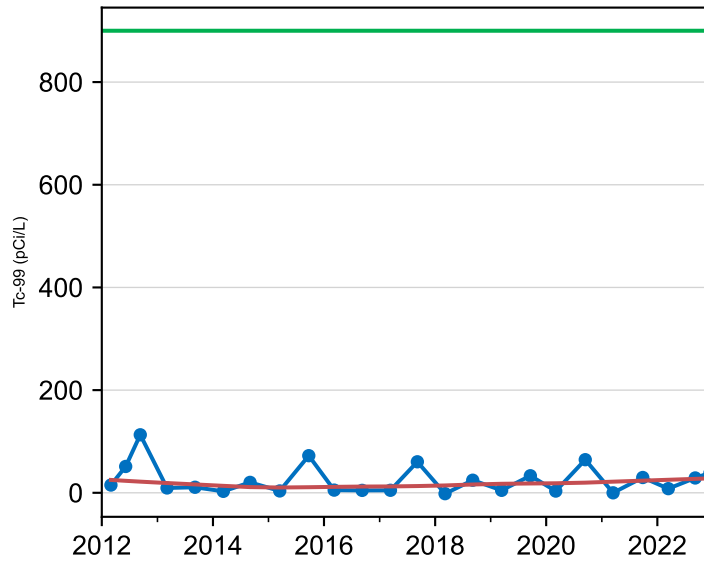
● Data
 — LOWESS
 — MCLs

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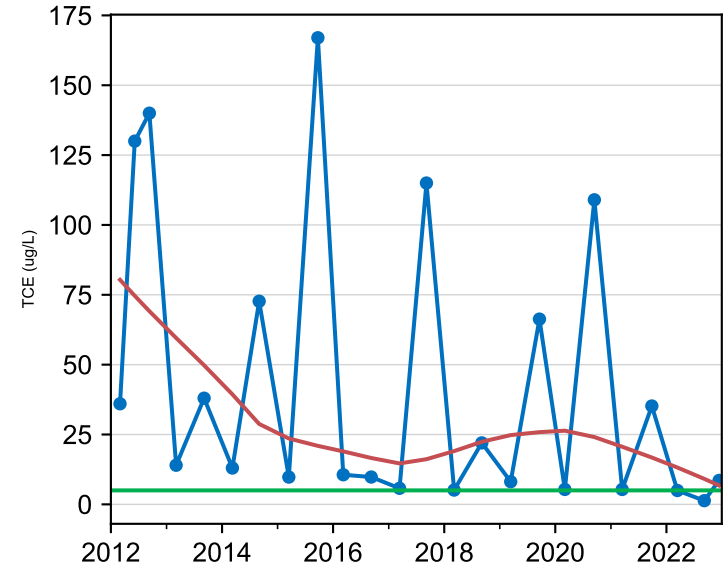
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Figure 172. Tc-99 and TCE at MW455 (MRGA)

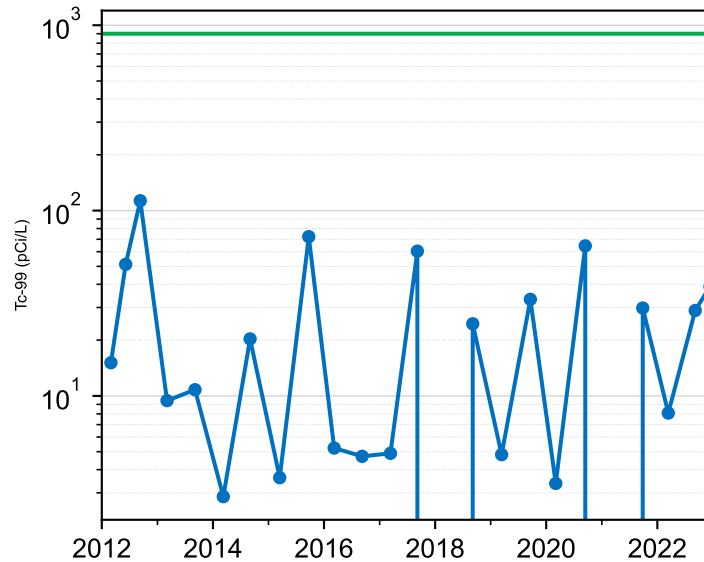
Technetium-99



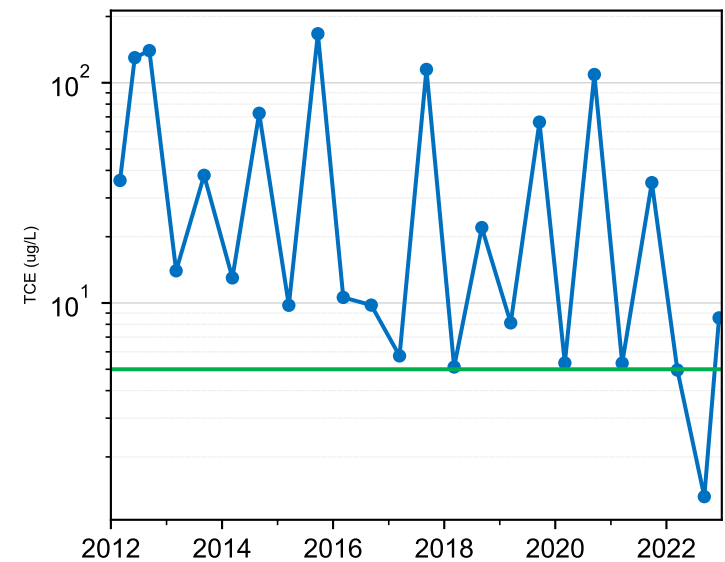
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/01/2012	15.1 U	36.0
06/06/2012	51.3	130.0
09/10/2012	113.0	140.0 J
03/05/2013	9.43 U	14.0
09/05/2013	10.8 U	38.0
03/10/2014	2.86 U	13.0
09/02/2014	20.3 U	72.7
03/16/2015	3.62 U	9.76
09/23/2015	72.3	167.0
03/08/2016	5.23 U	10.6
09/08/2016	4.72 U	9.78
03/13/2017	4.9 U	5.75
09/06/2017	60.4	115.0
03/07/2018	-1.69 U	5.12
09/05/2018	24.5	22.0
03/14/2019	4.82 U	8.12
09/19/2019	33.2	66.3
03/04/2020	3.37 U	5.34
09/14/2020	64.5	109.0
03/16/2021	-0.0413 U	5.33
09/27/2021	29.8	35.2
03/14/2022	8.08 U	4.96
09/07/2022	28.9	1.32
12/13/2022	38.9	8.56

Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

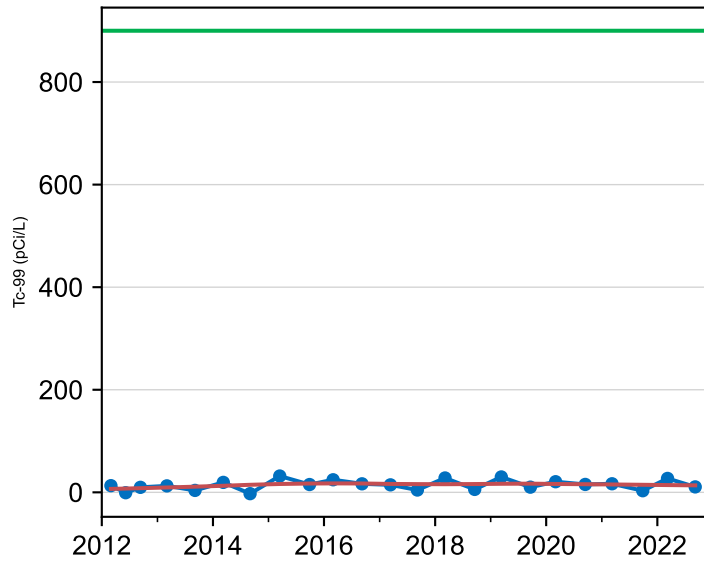
● Data
— LOWESS
— MCLs

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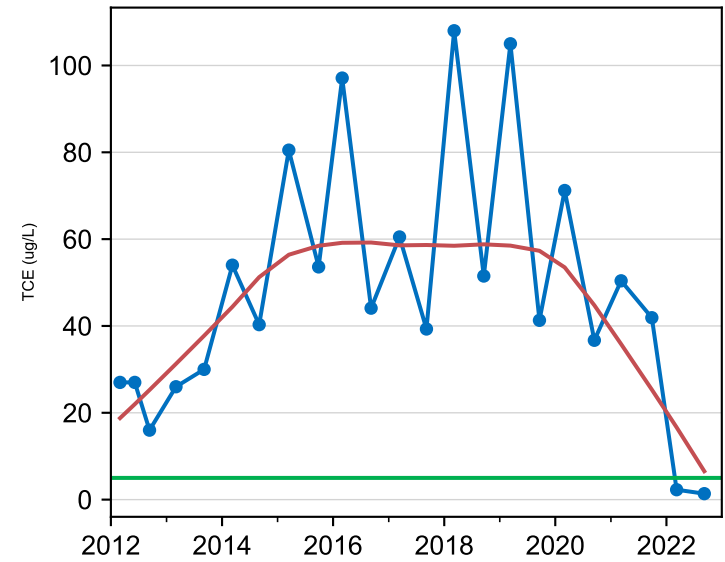


Figure 173. Tc-99 and TCE at MW456 (LRGA)

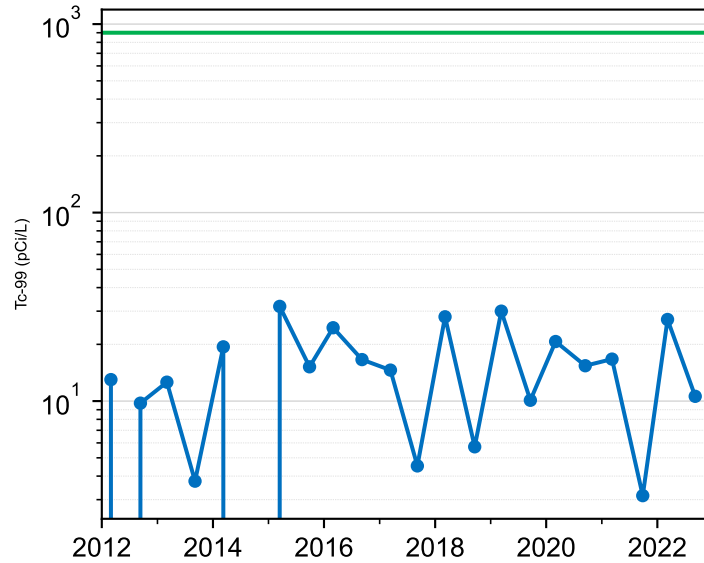
Technetium-99



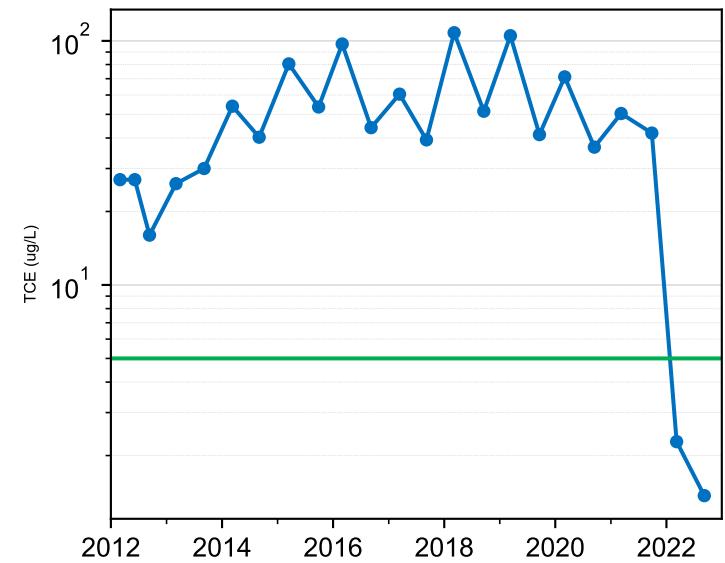
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/01/2012	13.0 U	27.0
06/06/2012	-0.752 U	27.0
09/11/2012	9.75 U	16.0 J
03/04/2013	12.6 U	26.0
09/05/2013	3.76 U	30.0
03/10/2014	19.4	54.0
09/02/2014	-2.6 U	40.3
03/16/2015	31.8	80.5
09/28/2015	15.2 U	53.6
03/01/2016	24.5	97.1
09/07/2016	16.6 U	44.1
03/13/2017	14.6 U	60.5
09/06/2017	4.53 U	39.3
03/07/2018	28.0	108.0
09/18/2018	5.72 U	51.5
03/12/2019	30.0	105.0
09/19/2019	10.1 U	41.3
03/03/2020	20.7	71.2
09/14/2020	15.4	36.7
03/09/2021	16.7	50.4
09/27/2021	3.15 U	41.9
03/09/2022	27.1	2.28
09/07/2022	10.6 U	1.37

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

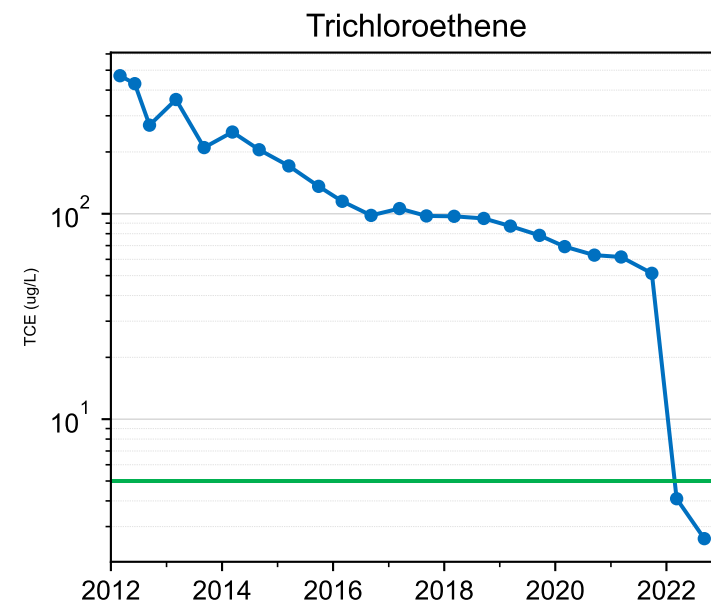
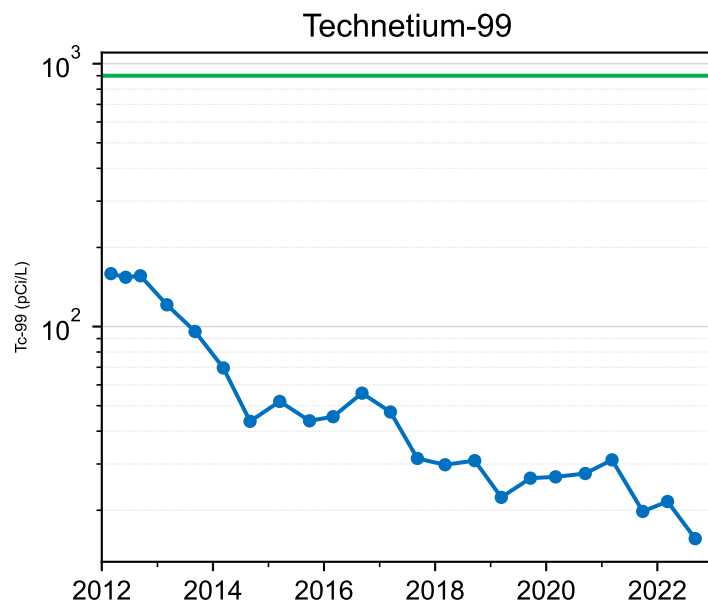
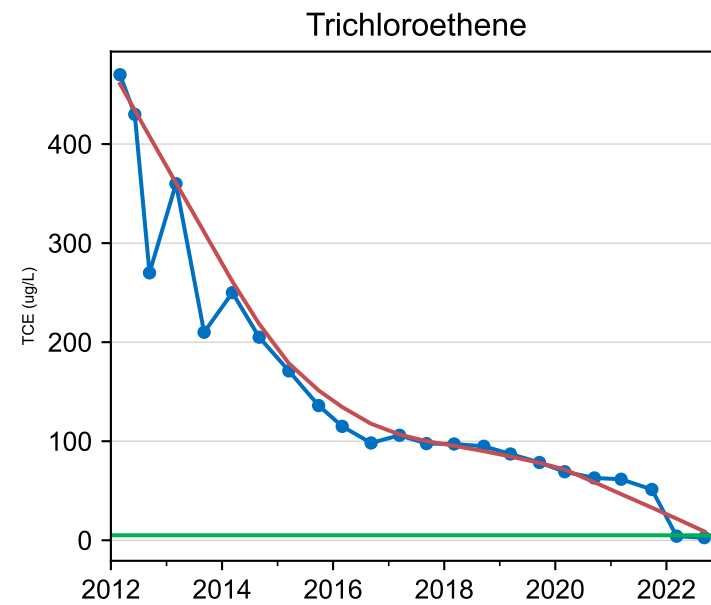
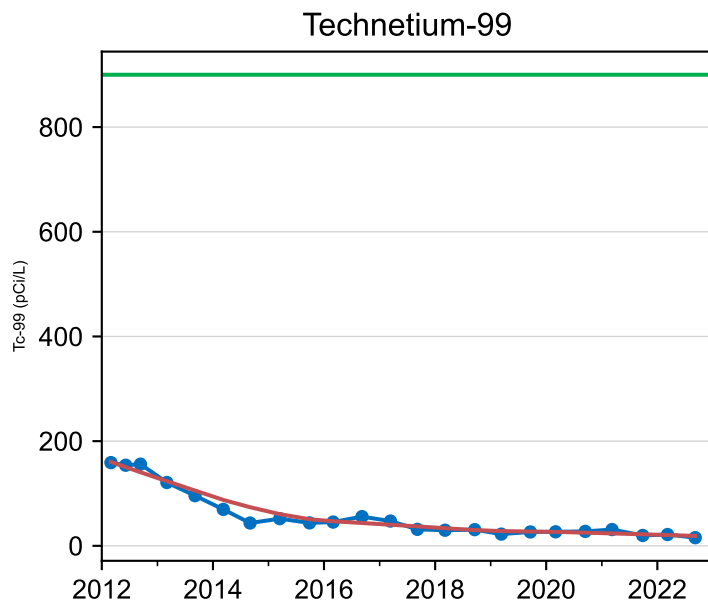
● Data
 — LOWESS
 — MCLs

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Figure 174. Tc-99 and TCE at MW457 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/01/2012	159.0	470.0
06/06/2012	154.0	430.0
09/11/2012	156.0	270.0 J
03/04/2013	121.0	360.0
09/05/2013	95.8	210.0
03/10/2014	69.6	250.0
09/02/2014	43.6	205.0
03/16/2015	51.9	171.0
09/28/2015	43.8	136.0
03/01/2016	45.4	115.0
09/07/2016	55.8	98.2
03/13/2017	47.3	106.0
09/06/2017	31.5	97.6
03/07/2018	29.8	97.2
09/18/2018	30.9	94.9
03/12/2019	22.4	87.1
09/19/2019	26.5	78.5
03/03/2020	26.8	69.2
09/14/2020	27.6	62.9
03/09/2021	31.1	61.6
09/27/2021	19.8	51.3
03/09/2022	21.6	4.1
09/07/2022	15.6	2.62



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

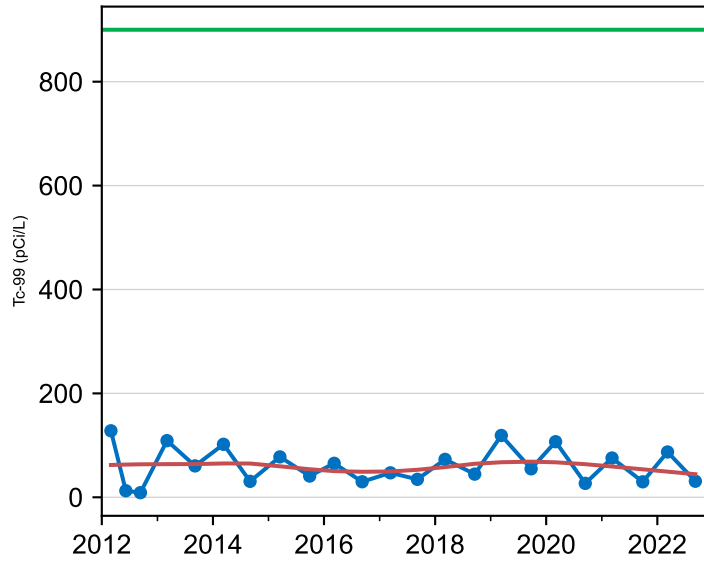
● Data — LOWESS
— MCLs

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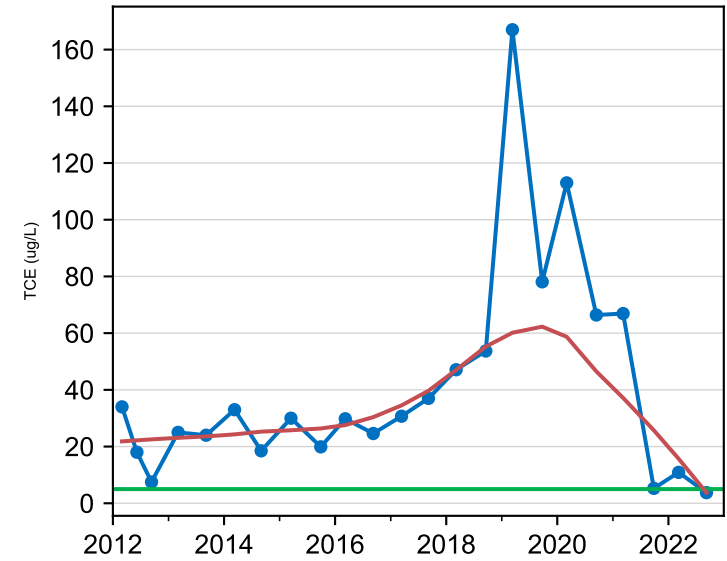
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Figure 175. Tc-99 and TCE at MW458 (LRGA)

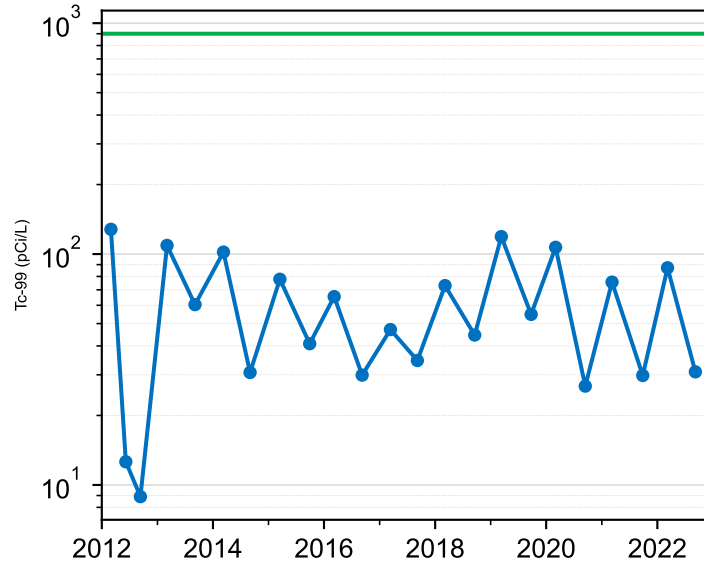
Technetium-99



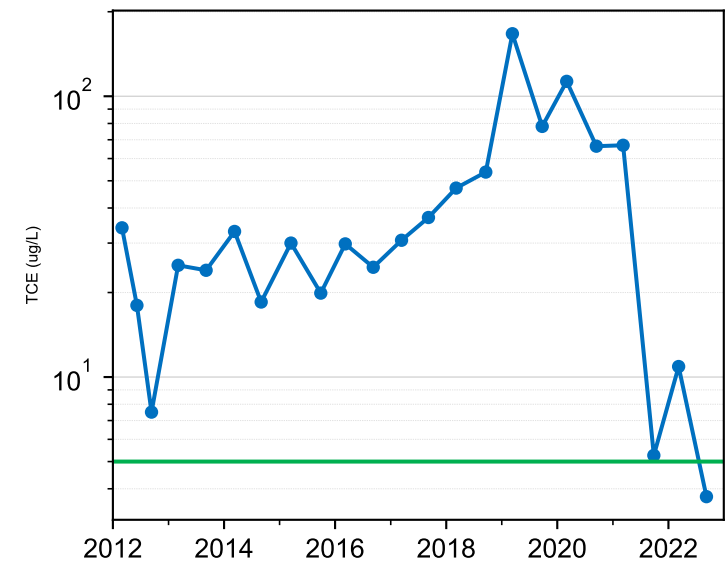
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/01/2012	128.0	34.0
06/07/2012	12.6 U	18.0
09/11/2012	8.9 U	7.5 J
03/05/2013	109.0	25.0
09/05/2013	60.4	24.0 J
03/11/2014	102.0	33.0
09/02/2014	30.7	18.5
03/17/2015	77.8	30.0
09/29/2015	40.9	19.9
03/08/2016	65.4	29.8
09/08/2016	29.9	24.6
03/13/2017	47.1	30.7
09/06/2017	34.6	37.0
03/07/2018	73.0	47.1
09/18/2018	44.6	53.7
03/12/2019	119.0	167.0
09/24/2019	54.8	78.1
03/03/2020	107.0	113.0
09/14/2020	26.8	66.4
03/09/2021	75.6	66.9
09/27/2021	29.8	5.26
03/09/2022	87.2	10.9
09/08/2022	30.9	3.75

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

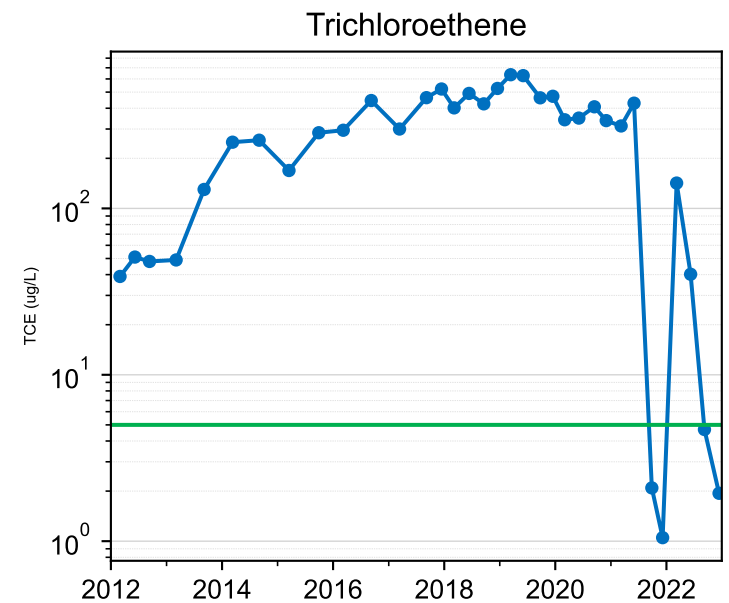
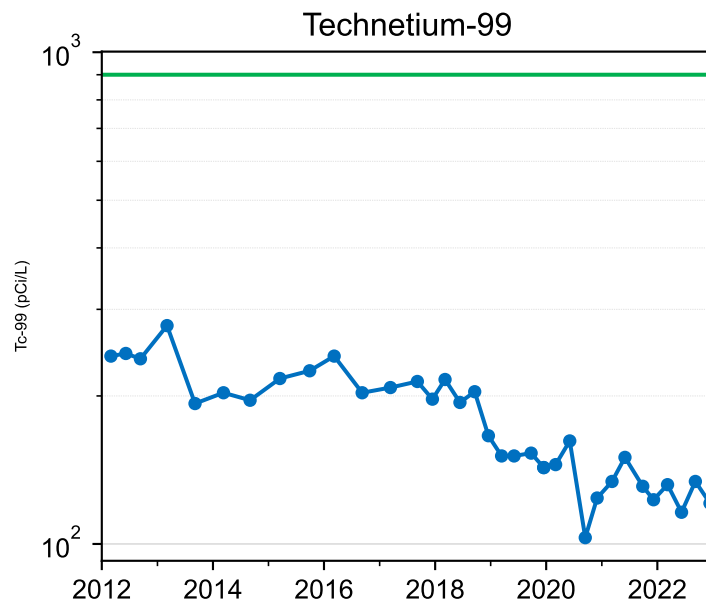
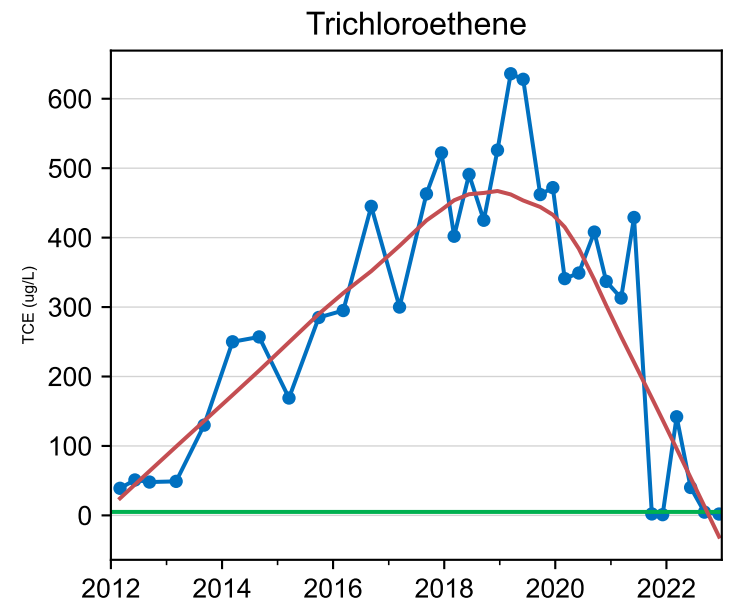
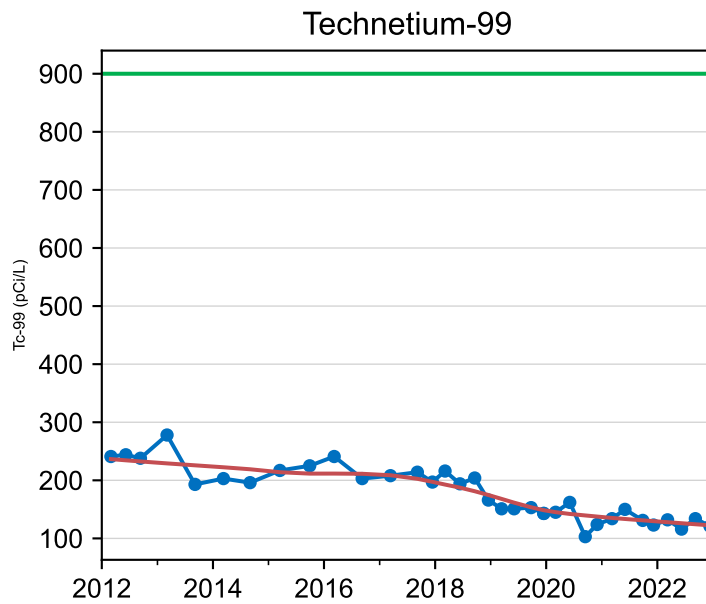
● Data
 — LOWESS
 — MCLs

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Figure 176. Tc-99 and TCE at MW459 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/01/2012	241.0	39.0
06/07/2012	244.0	51.0
09/11/2012	238.0	48.0 J
03/05/2013	278.0	49.0
09/05/2013	193.0	130.0
03/11/2014	203.0	250.0
09/02/2014	196.0	257.0
03/17/2015	217.0	169.0
09/29/2015	225.0	285.0
03/08/2016	241.0	295.0
09/08/2016	203.0	445.0
03/13/2017	208.0	300.0
09/06/2017	214.0	463.0
12/14/2017	197.0	522.0
03/07/2018	216.0	402.0
06/13/2018	194.0	491.0
09/18/2018	204.0	425.0
12/17/2018	166.0	526.0
03/14/2019	151.0	636.0
06/04/2019	151.0	628.0
09/24/2019	153.0	462.0
12/16/2019	143.0	472.0
03/03/2020	145.0	341.0
06/04/2020	162.0	349.0
09/14/2020	103.0	408.0
12/01/2020	124.0	337.0
03/09/2021	134.0	313.0
06/02/2021	150.0	429.0
09/27/2021	131.0	2.09
12/07/2021	123.0	1.05
03/09/2022	132.0	142.0
06/09/2022	116.0	40.2
09/08/2022	134.0	4.69
12/13/2022	121.0	1.94



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

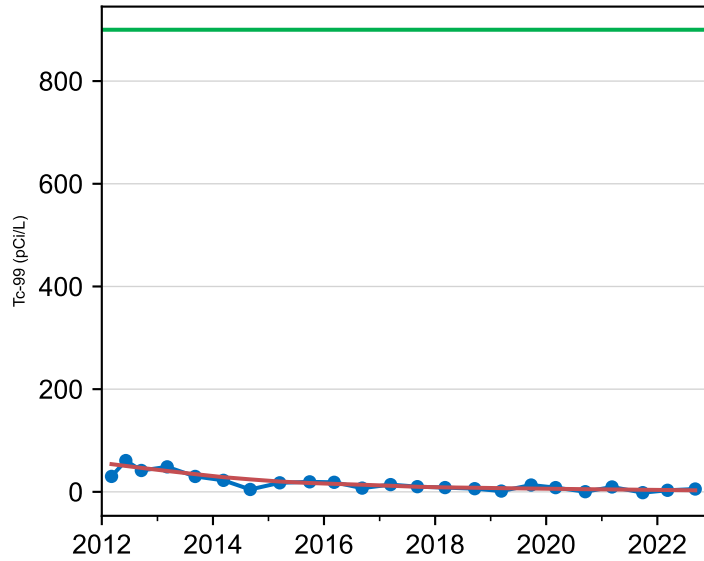
● Data
— LOWESS
— MCLs

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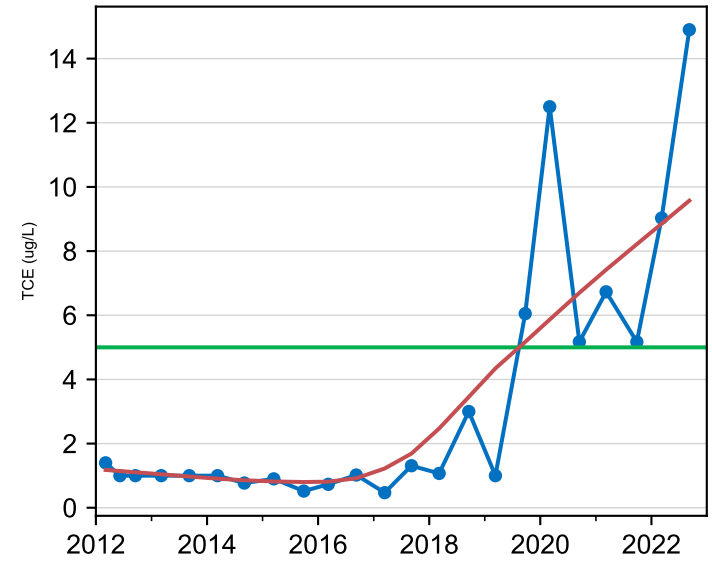
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Figure 177. Tc-99 and TCE at MW460 (LRGA)

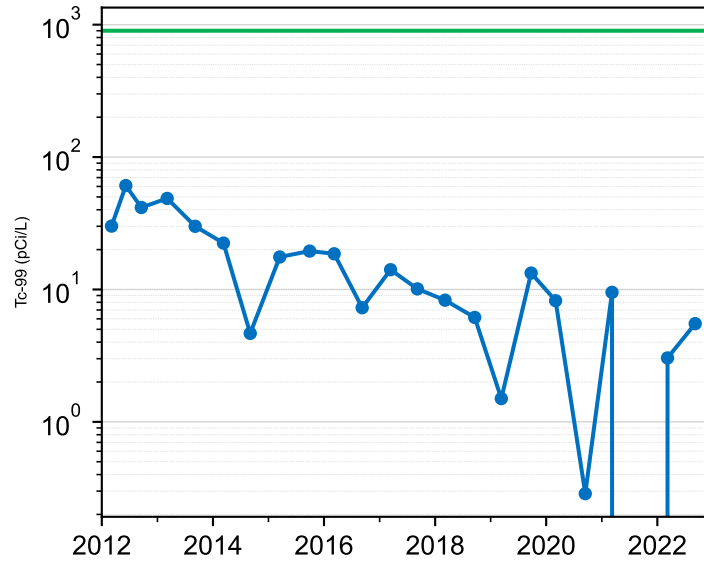
Technetium-99



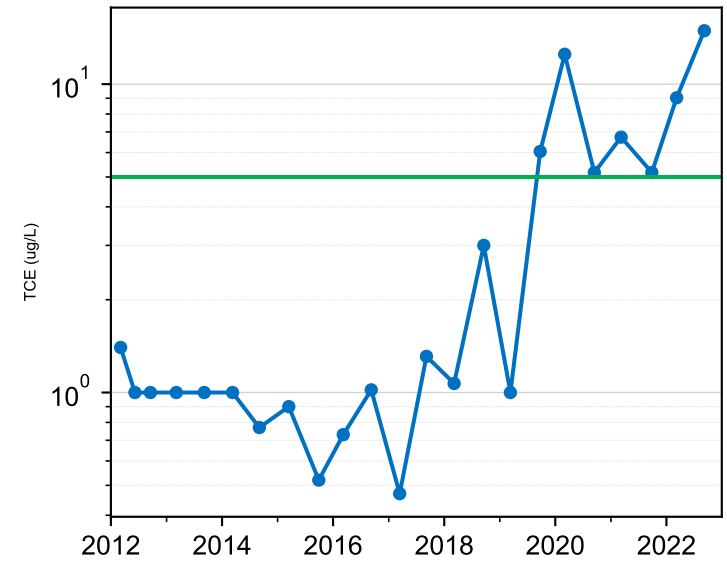
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/05/2012	30.1	1.4
06/07/2012	60.9	1.0 U
09/17/2012	41.6	1.0 UJ
03/06/2013	48.7	1.0 U
09/06/2013	30.0	1.0 U
03/11/2014	22.4	1.0 U
09/03/2014	4.66 U	0.77 J
03/16/2015	17.6 U	0.9 J
09/29/2015	19.5 U	0.52 J
03/08/2016	18.6 U	0.73 J
09/08/2016	7.28 U	1.02
03/14/2017	14.1 U	0.47 J
09/06/2017	10.1 U	1.31
03/07/2018	8.3 U	1.07
09/18/2018	6.15 U	3.0
03/12/2019	1.5 U	1.0 U
09/24/2019	13.3 U	6.05
03/03/2020	8.23 U	12.5
09/14/2020	0.287 U	5.17
03/09/2021	9.51 U	6.73
09/27/2021	-1.59 U	5.17
03/09/2022	3.04 U	9.03
09/07/2022	5.52 U	14.9

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

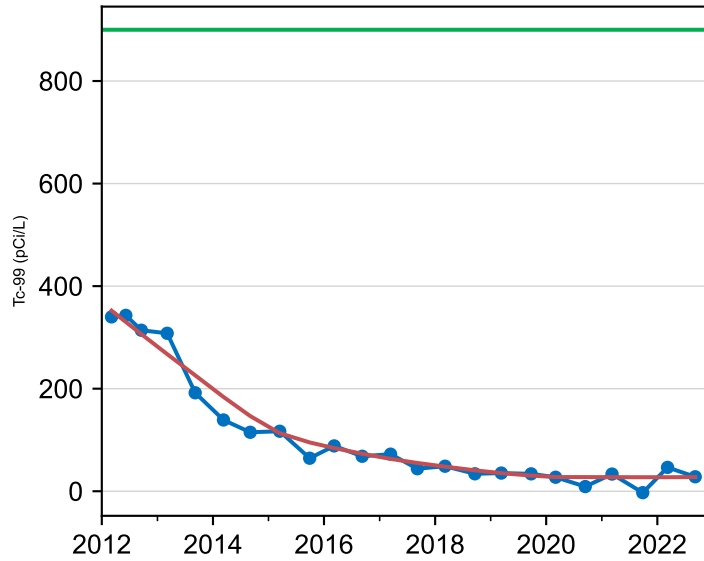
● Data
 — LOWESS
 — MCLs

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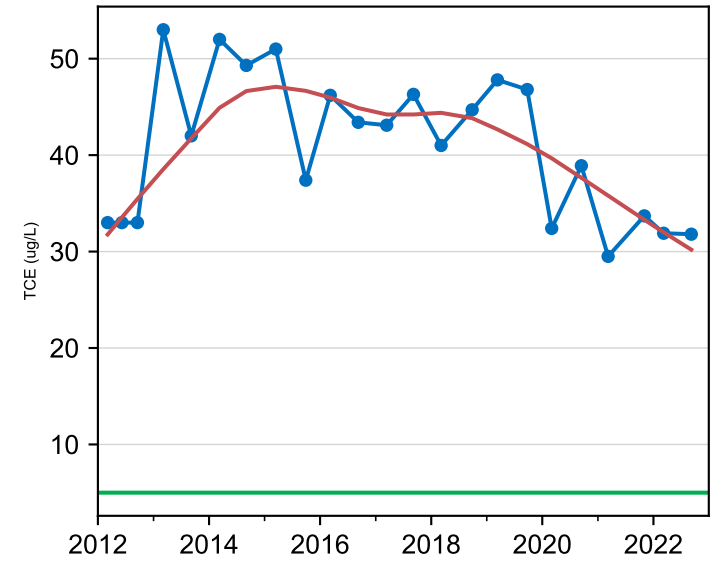
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Figure 178. Tc-99 and TCE at MW461 (URGA)

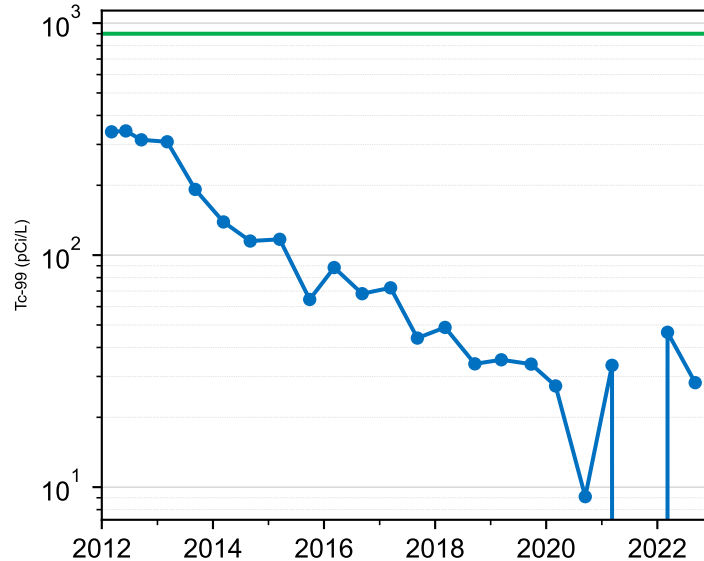
Technetium-99



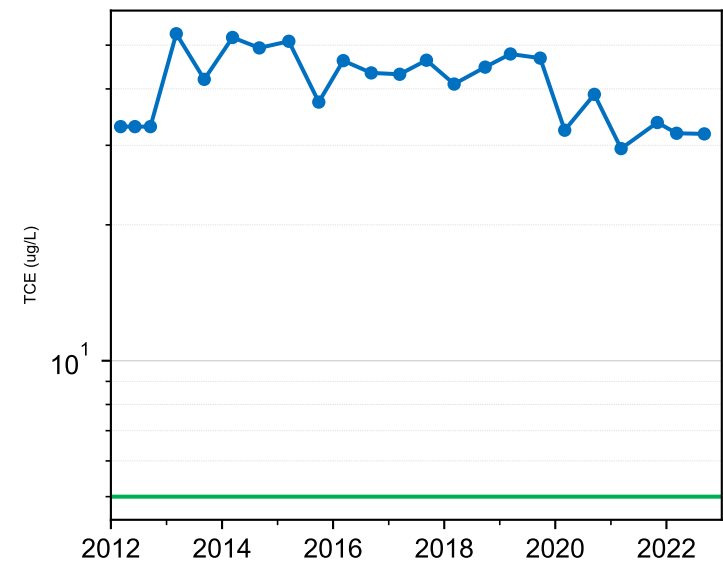
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/05/2012	340.0	33.0
06/07/2012	343.0	33.0
09/17/2012	314.0	33.0 J
03/06/2013	308.0	53.0
09/06/2013	192.0	42.0 J
03/11/2014	139.0	52.0
09/03/2014	115.0	49.3
03/16/2015	117.0	51.0
09/29/2015	64.4	37.4
03/08/2016	88.4	46.2
09/08/2016	68.2	43.4
03/14/2017	72.3	43.1
09/06/2017	43.9	46.3
03/07/2018	48.8	41.0
09/19/2018	34.0	
09/27/2018		44.7
03/12/2019	35.4	47.8
09/24/2019	33.9	46.8
03/03/2020	27.3	32.4
09/14/2020	9.1 U	38.9
03/09/2021	33.5	29.5
09/27/2021	-2.79 U	
11/02/2021		33.7
03/09/2022	46.5	31.9
09/07/2022	28.2	31.8

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

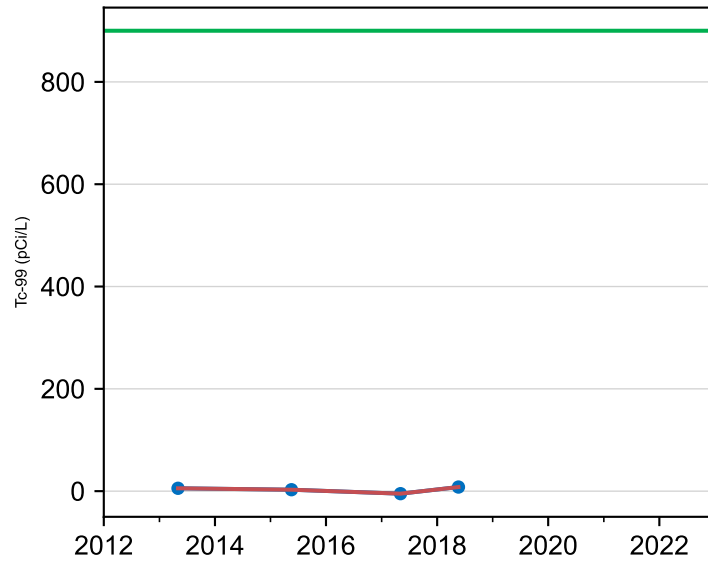
● Data
 — LOWESS
 — MCLs

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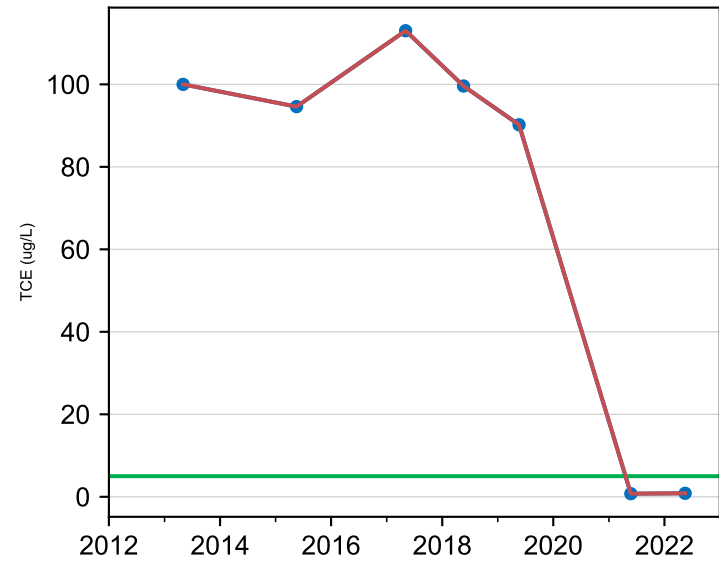
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Figure 179. Tc-99 and TCE at MW462 (LRGA)

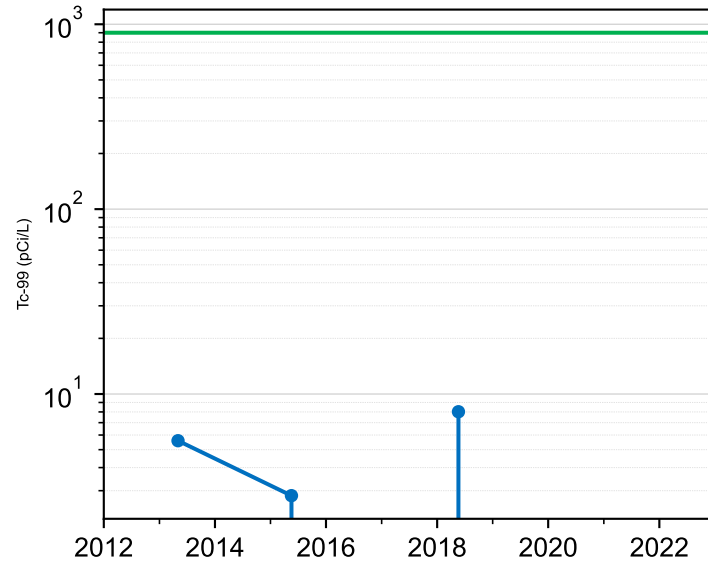
Technetium-99



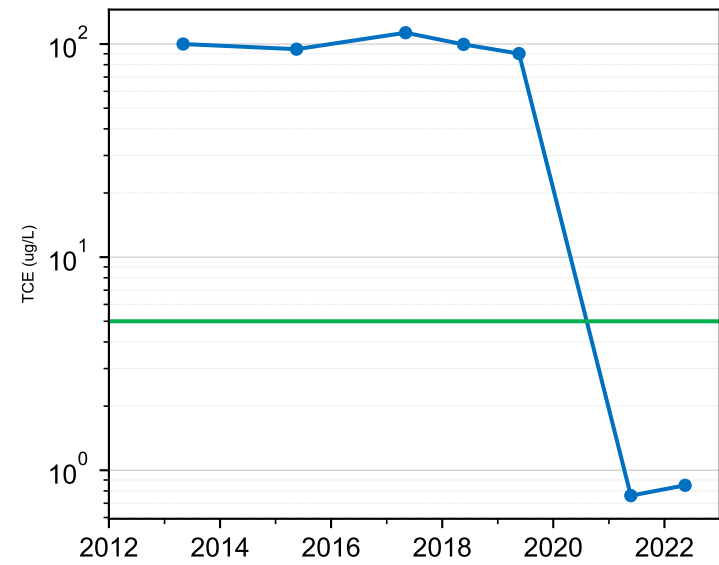
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/03/2013	5.59 U	100.0
05/19/2015	2.82 U	94.6
05/05/2017	-4.92 U	113.0
05/21/2018	8.02 U	99.6
05/21/2019		90.2
05/25/2021		0.76 J
05/17/2022		0.85 J

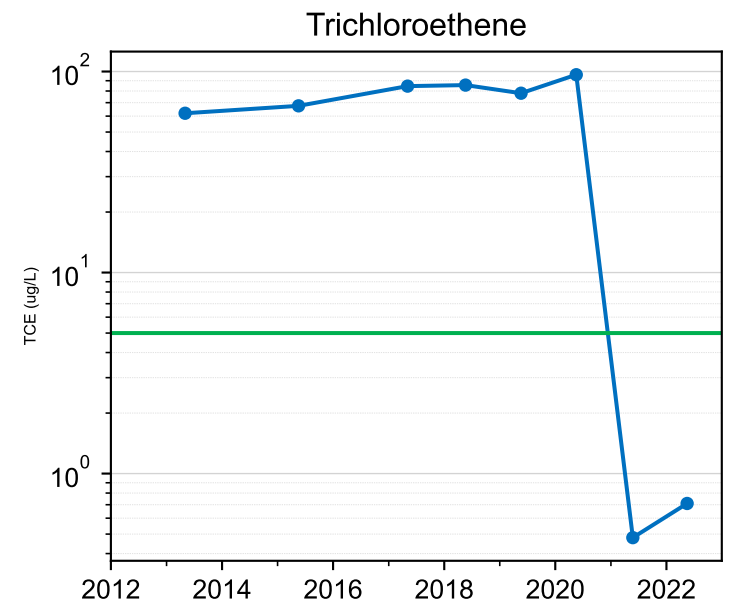
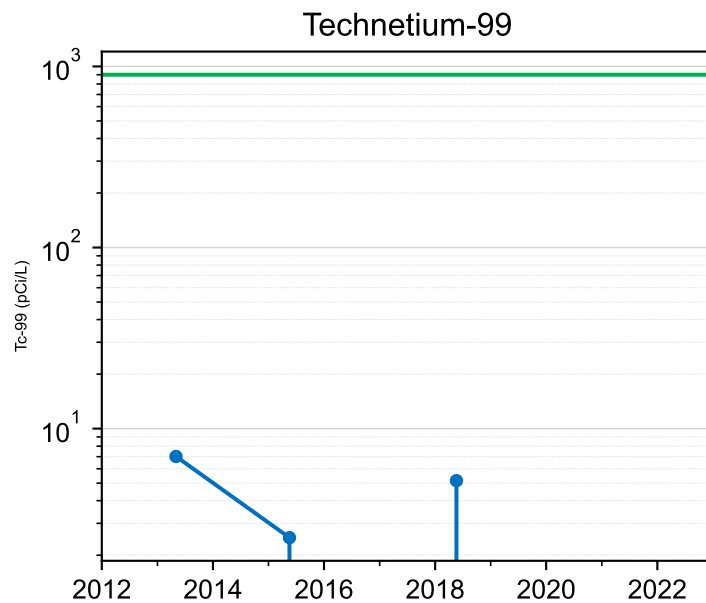
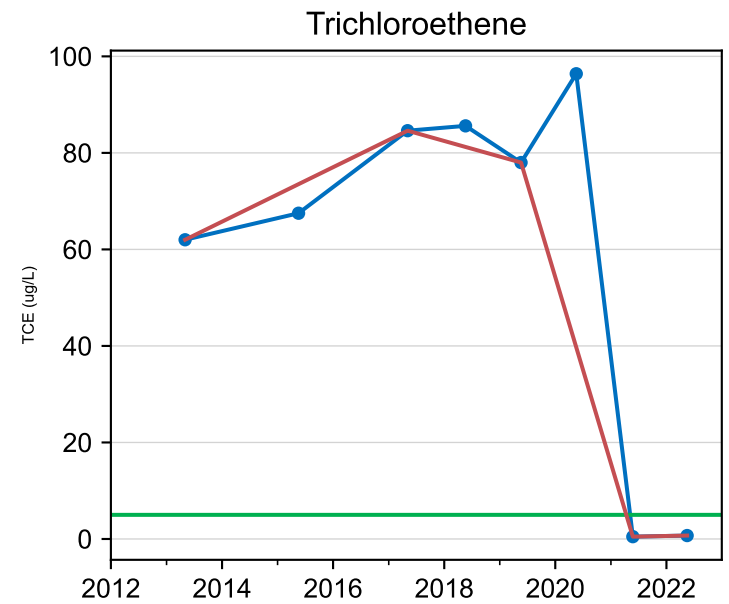
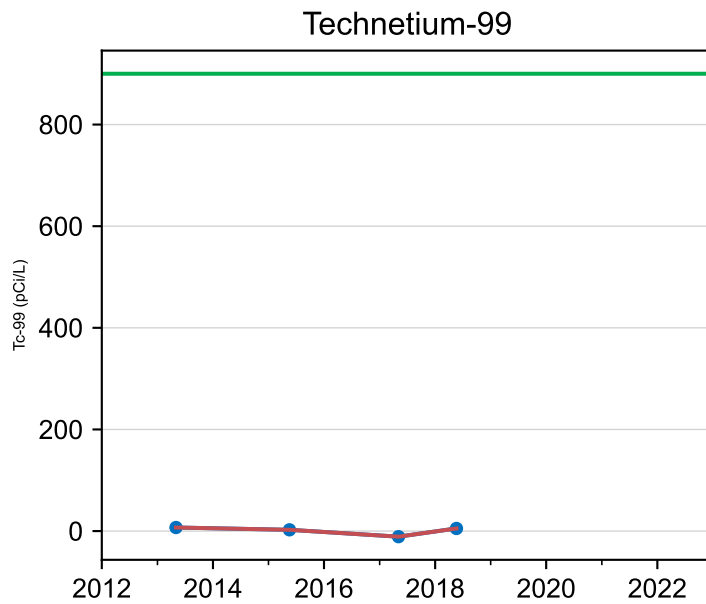
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

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Figure 180. Tc-99 and TCE at MW463 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/03/2013	7.02 U	62.0
05/19/2015	2.5 U	67.5
05/05/2017	-11.0 U	84.6
05/21/2018	5.16 U	85.6
05/21/2019		78.0
05/18/2020		96.4
05/25/2021		0.48 J
05/17/2022		0.71 J



Notes:

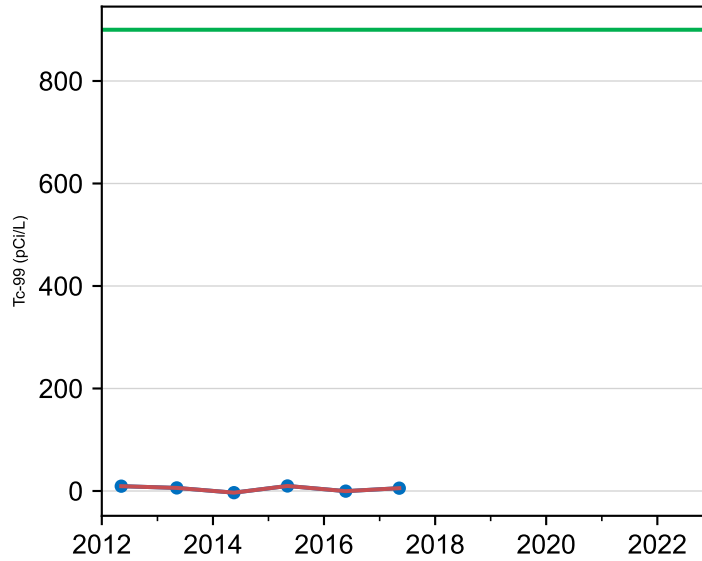
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

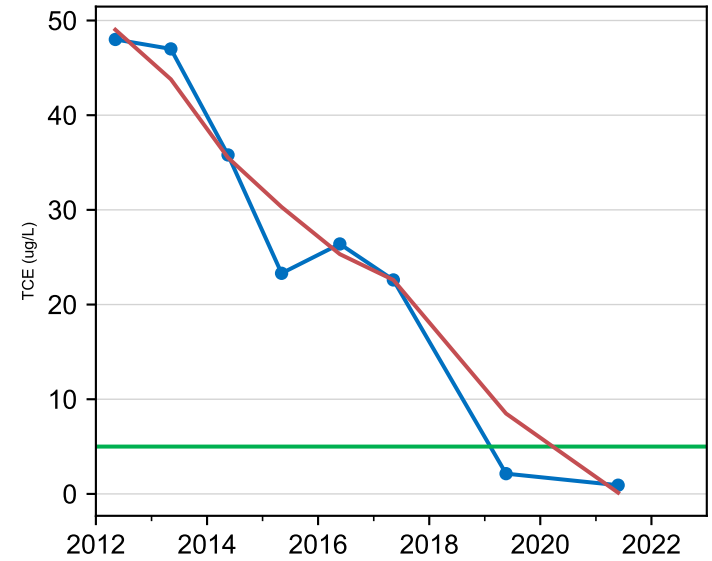
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Figure 181. Tc-99 and TCE at MW464 (LRGA)

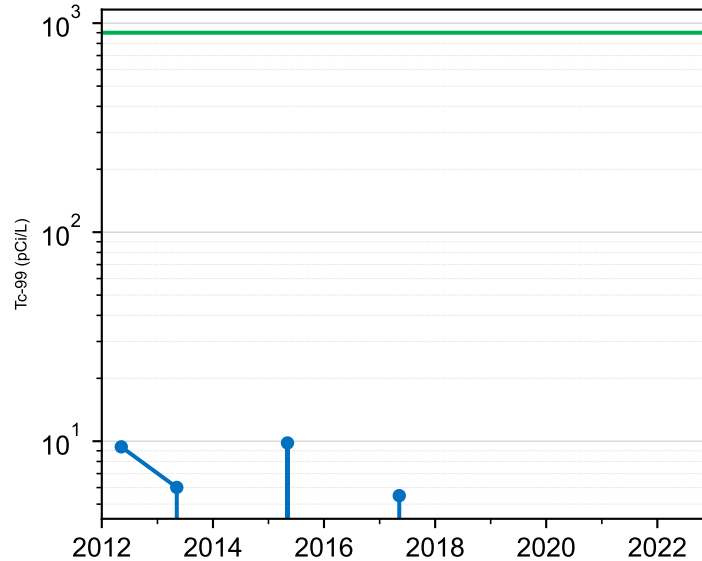
Technetium-99



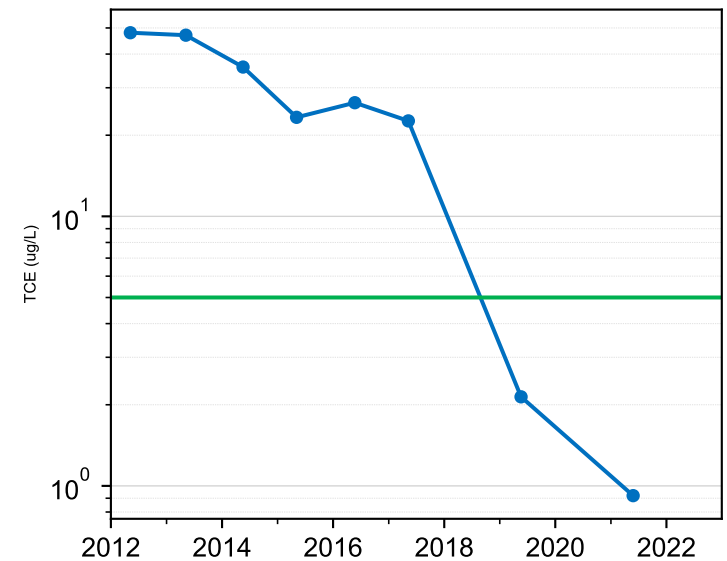
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/08/2012	9.4 U	48.0
05/08/2013	6.01 U	47.0
05/19/2014	-3.27 U	35.8
05/06/2015	9.81 U	23.3
05/23/2016	-0.297 U	26.4
05/10/2017	5.49 U	22.6
05/21/2019		2.14
05/27/2021		0.92 J

- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

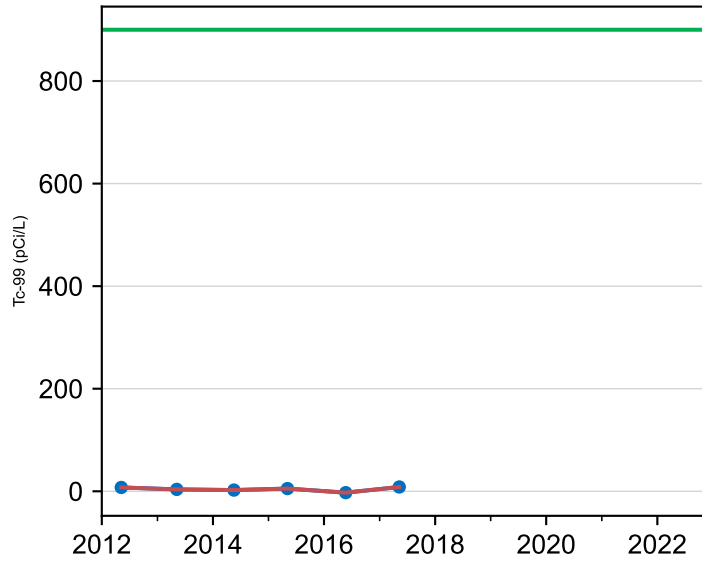
● Data
— LOWESS
— MCLs

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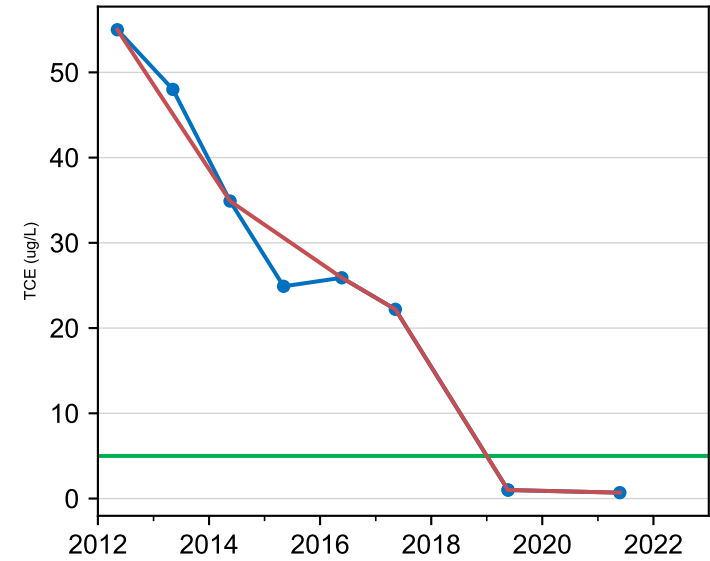
FOUR RIVERS
NUCLEAR PARTNERSHIP, LLC

Figure 182. Tc-99 and TCE at MW465 (MRGA)

Technetium-99

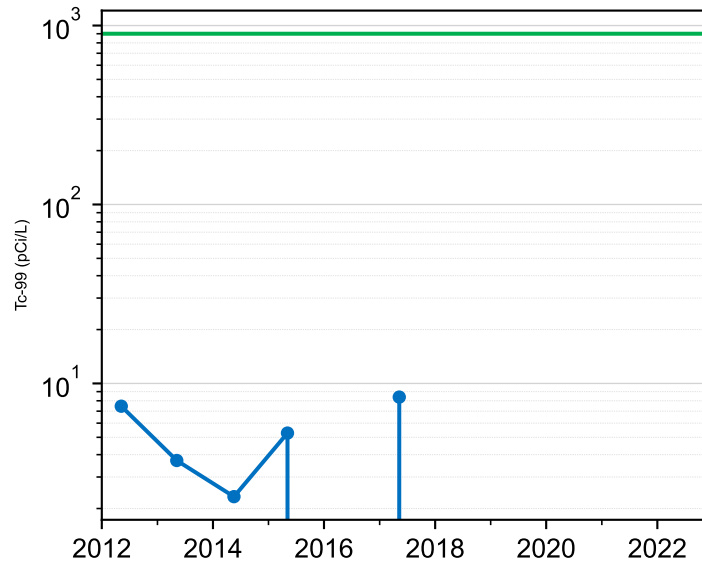


Trichloroethene

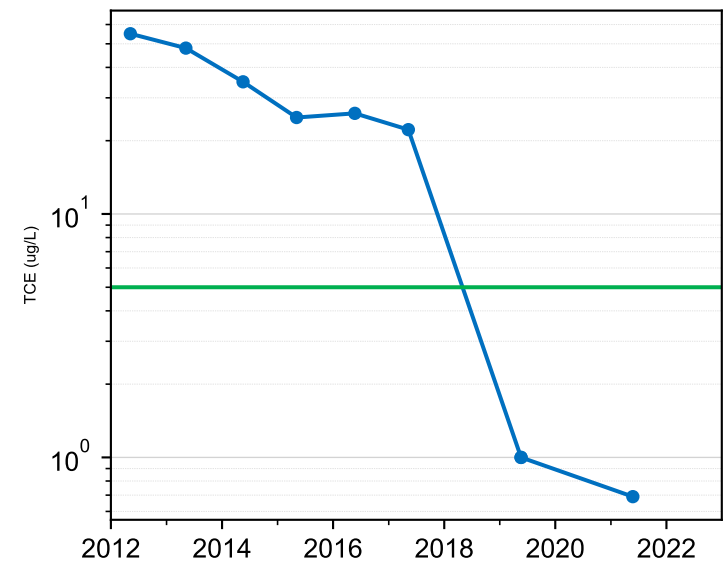


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/08/2012	7.46 U	55.0
05/08/2013	3.71 U	48.0
05/19/2014	2.33 U	34.9
05/06/2015	5.28 U	24.9
05/23/2016	-2.69 U	25.9
05/10/2017	8.39 U	22.2
05/21/2019		1.0 U
05/25/2021		0.69 J

Technetium-99



Trichloroethene



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

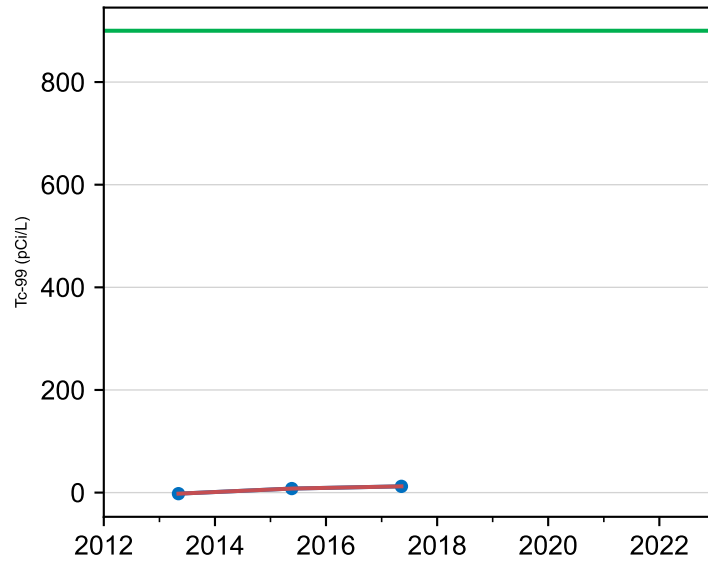
● Data
— LOWESS
— MCLs

U.S. DEPARTMENT OF ENERGY
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PADUCAH GASEOUS DIFFUSION PLANT

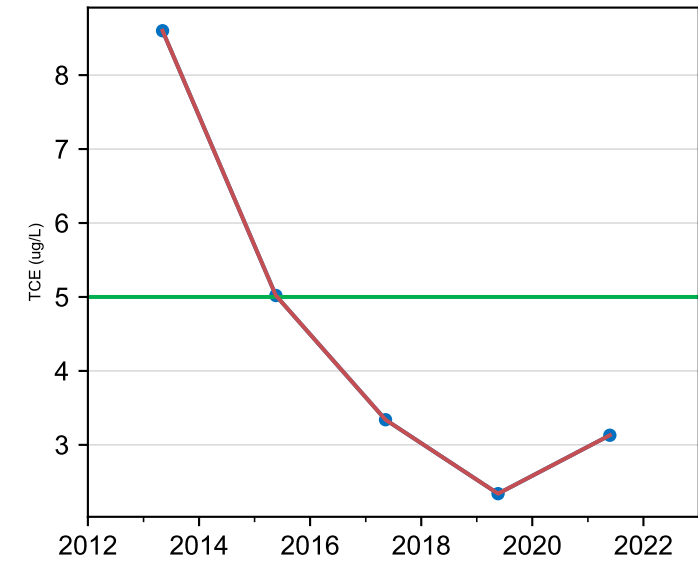


Figure 183. Tc-99 and TCE at MW466 (MRGA)

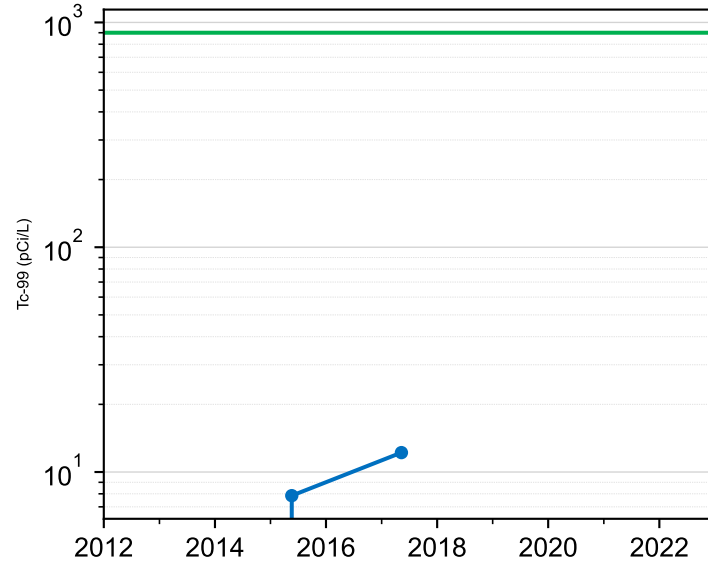
Technetium-99



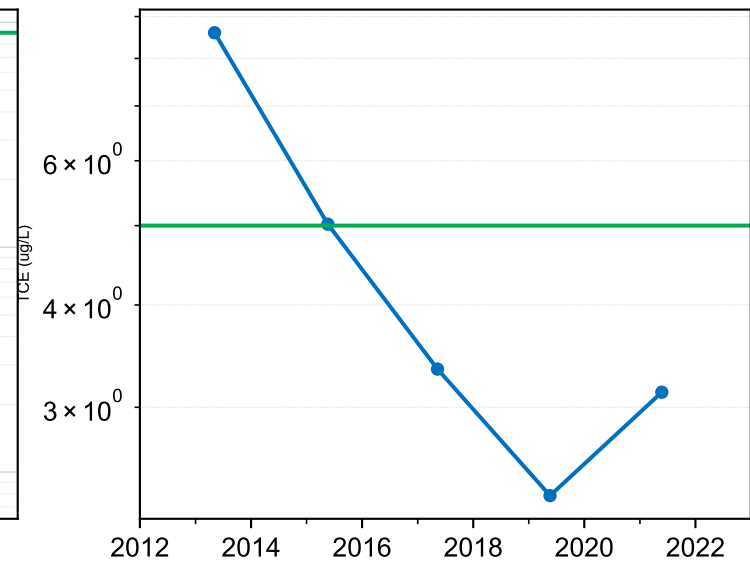
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/06/2013	-2.08 U	8.6 J
05/21/2015	7.85 U	5.02
05/11/2017	12.2 U	3.34
05/21/2019		2.34
05/25/2021		3.13

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

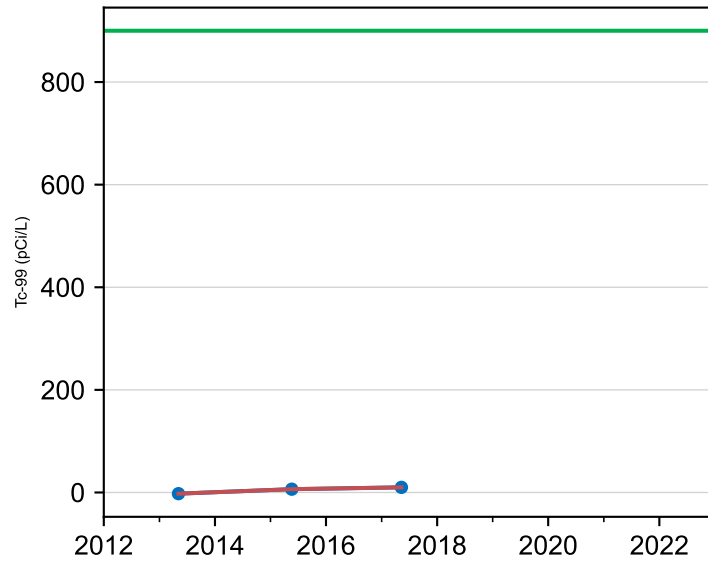
● Data
 — LOWESS
 — MCLs

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 PADUCAH GASEOUS DIFFUSION PLANT

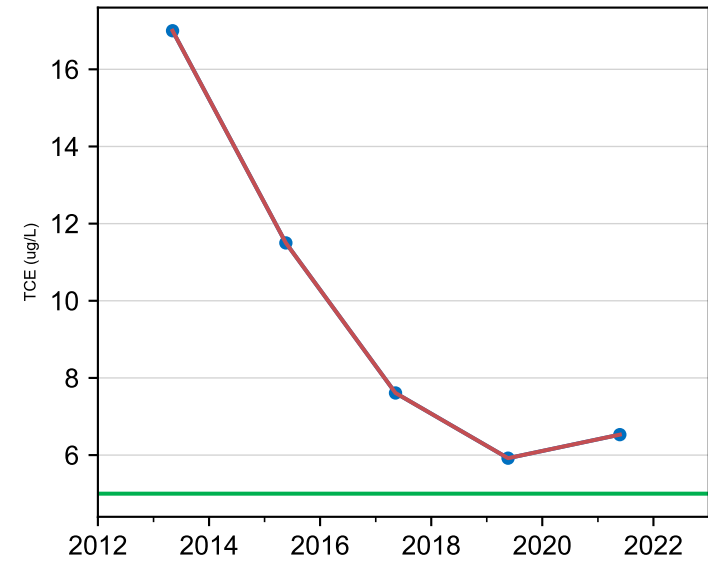
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 184. Tc-99 and TCE at MW467 (URGA)

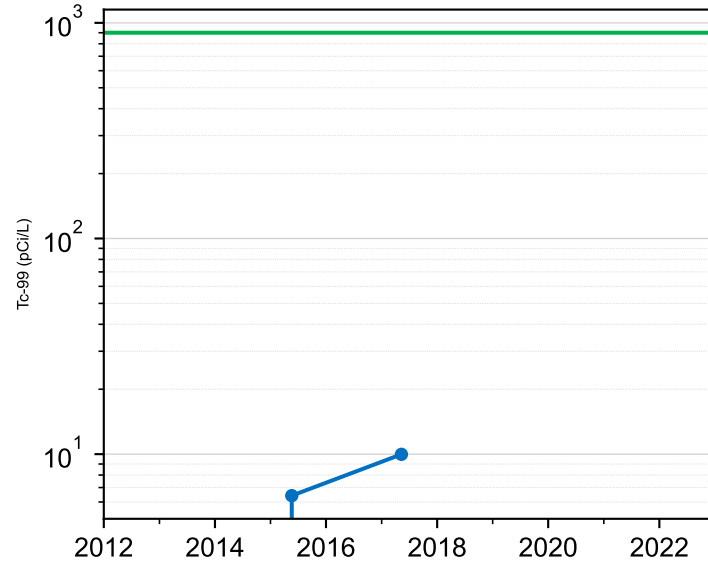
Technetium-99



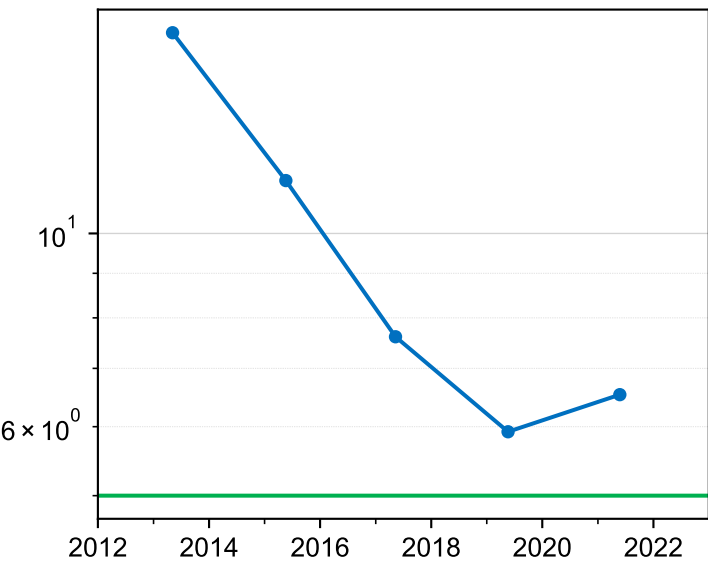
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/06/2013	-2.32 U	17.0
05/21/2015	6.42 U	11.5
05/11/2017	9.98 U	7.61
05/21/2019		5.92
05/25/2021		6.53

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

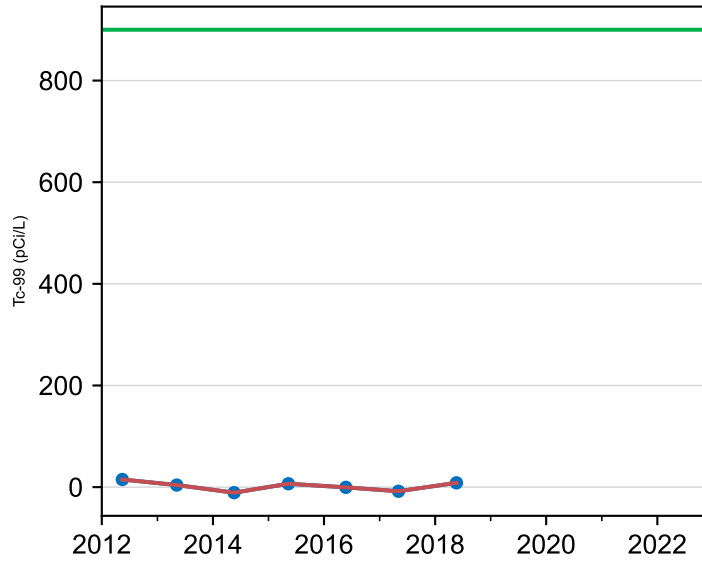
● Data
 — LOWESS
 — MCLs

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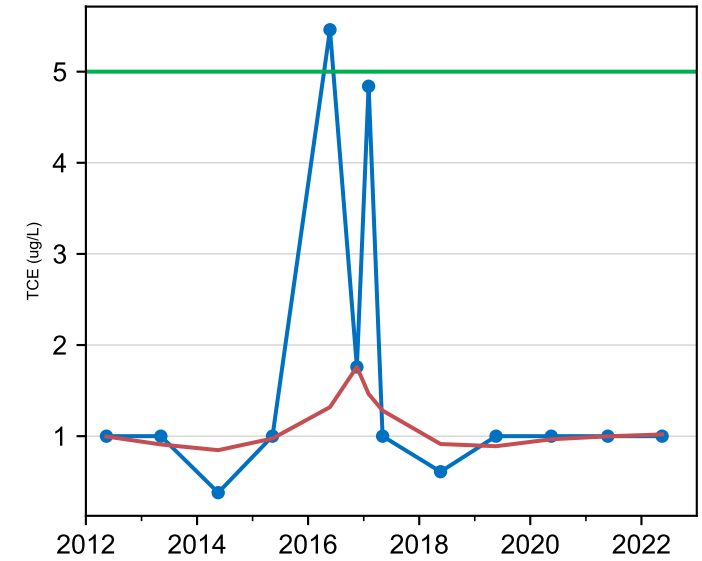
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 185. Tc-99 and TCE at MW468 (MRGA)

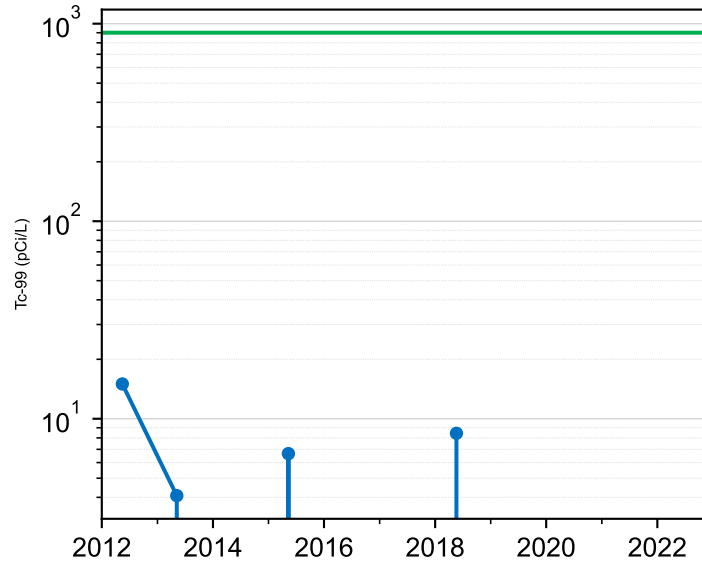
Technetium-99



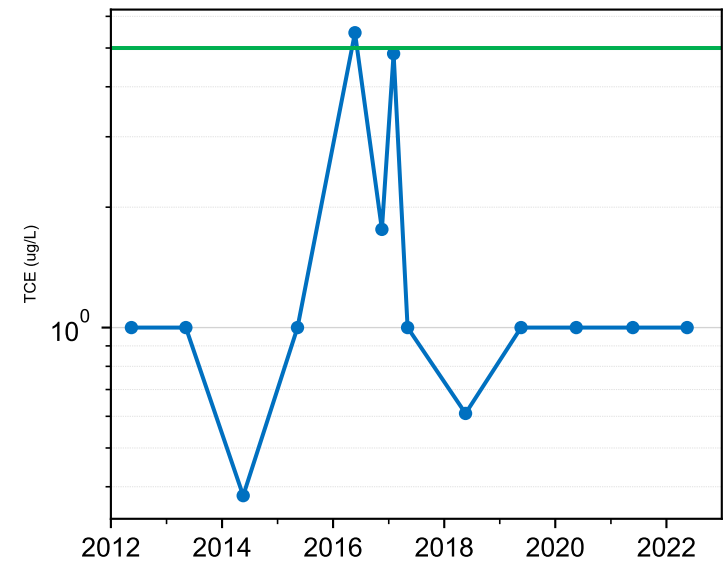
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/15/2012	15.0 U	1.0 U
05/08/2013	4.08 U	1.0 U
05/20/2014	-10.9 U	0.38 J
05/12/2015	6.66 U	1.0 U
05/24/2016	-0.468 U	5.46
11/17/2016		1.76
02/02/2017		4.84
05/05/2017	-8.09 U	1.0 U
05/21/2018	8.44 U	0.61 J
05/21/2019		1.0 U
05/18/2020		1.0 U
05/25/2021		1.0 U
05/17/2022		1.0 U

- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

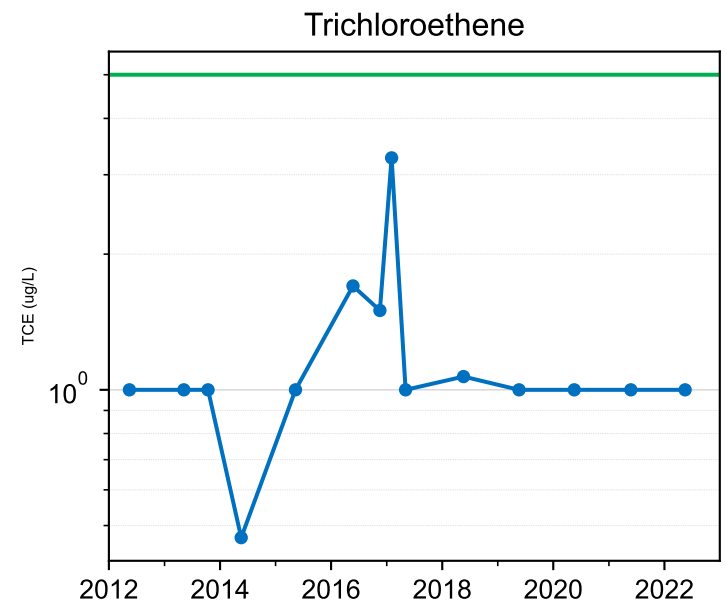
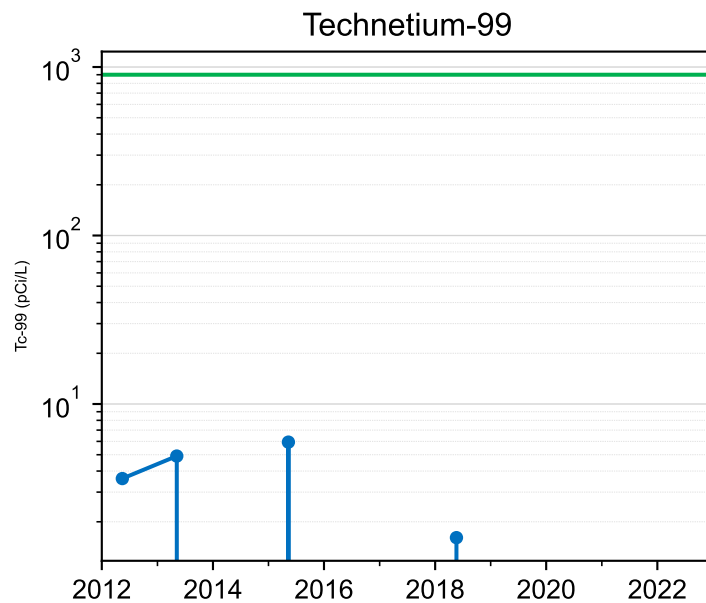
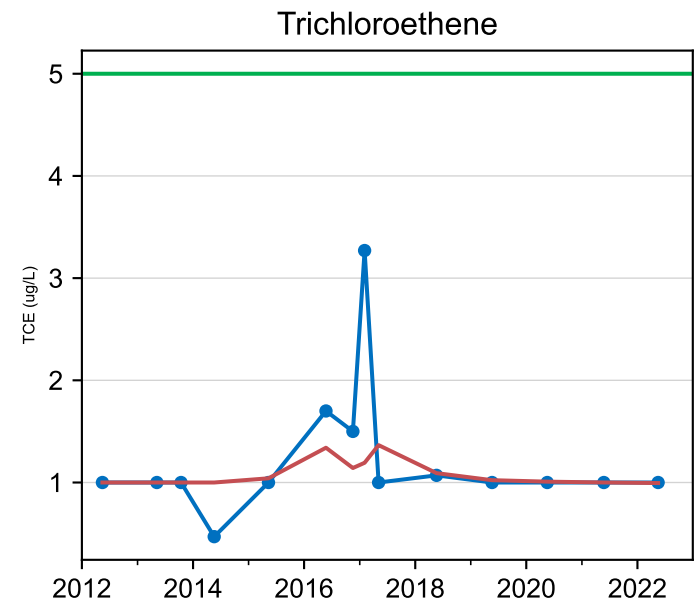
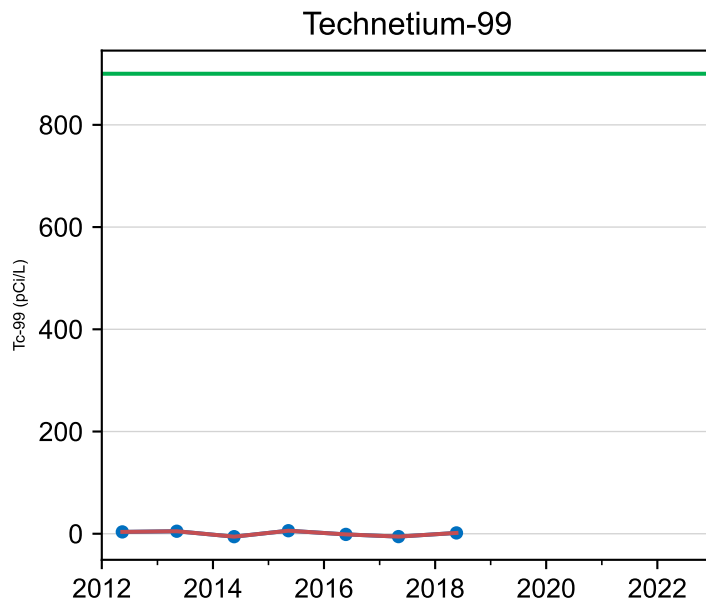
● Data
— LOWESS
— MCLs

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Figure 186. Tc-99 and TCE at MW469 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/15/2012	3.61 U	1.0 U
05/08/2013	4.91 U	1.0 UJ
10/14/2013	1.0 U	1.0 U
05/20/2014	-5.72 U	0.47 J
05/12/2015	5.94 U	1.0 U
05/24/2016	-1.29 U	1.7
11/17/2016		1.5
02/02/2017		3.27
05/05/2017	-5.59 U	1.0 U
05/21/2018	1.61 U	1.07
05/21/2019		1.0 U
05/18/2020		1.0 U
05/25/2021		1.0 U
05/17/2022		1.0 U



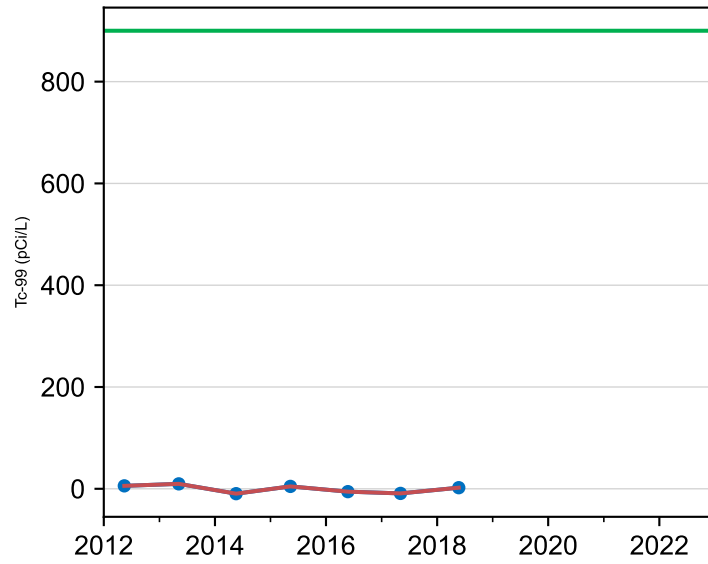
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

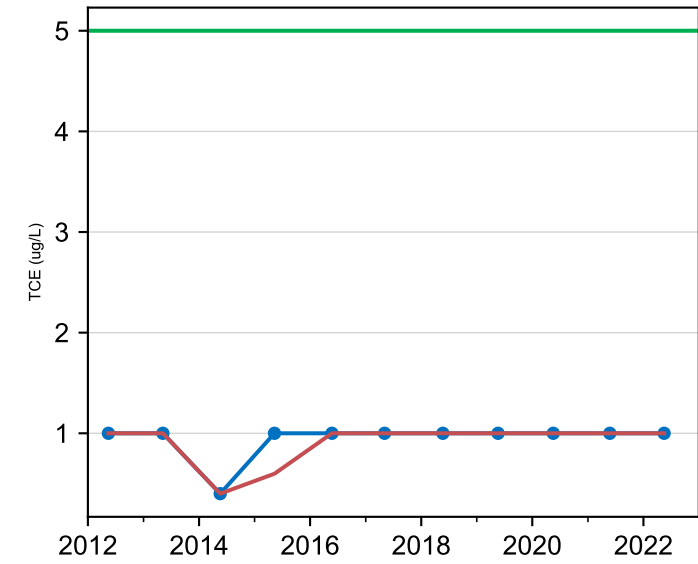
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 PADUCAH GASEOUS DIFFUSION PLANT


Figure 187. Tc-99 and TCE at MW470 (LRGA)

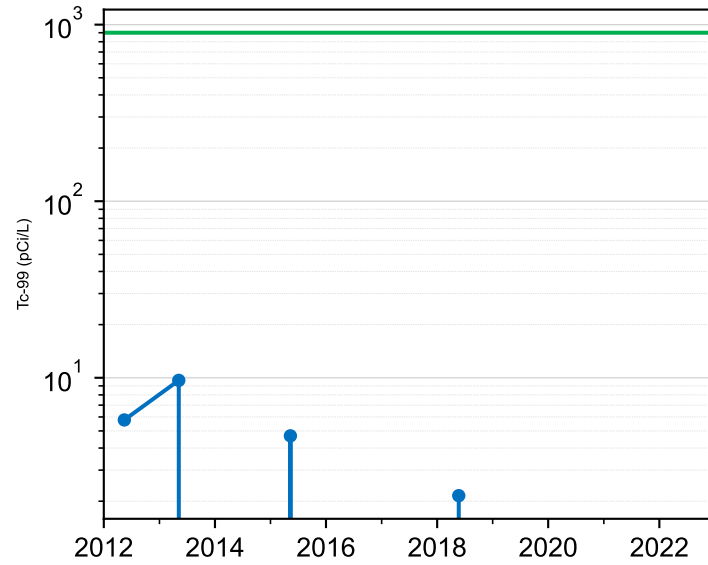
Technetium-99



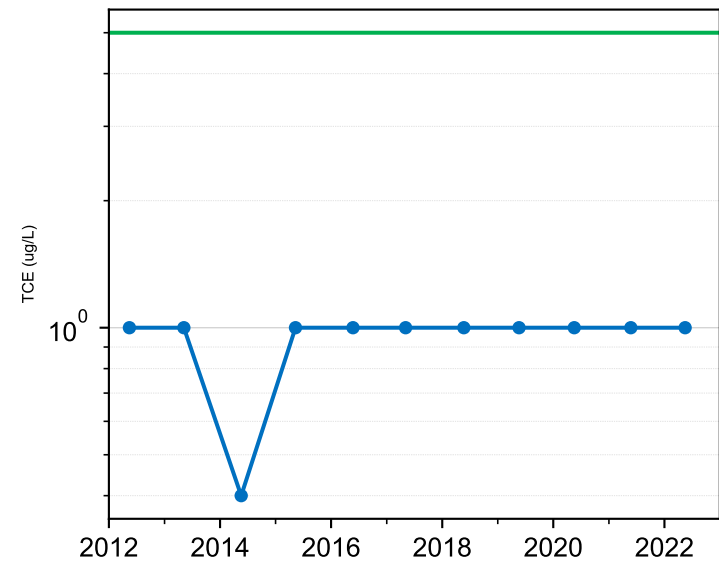
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/15/2012	5.77 U	1.0 U
05/08/2013	9.67 U	1.0 U
05/20/2014	-9.59 U	0.4 J
05/12/2015	4.69 U	1.0 U
05/24/2016	-5.62 U	1.0 U
05/05/2017	-9.08 U	1.0 U
05/23/2018	2.15 U	1.0 U
05/21/2019		1.0 U
05/18/2020		1.0 U
05/25/2021		1.0 U
05/17/2022		1.0 U

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

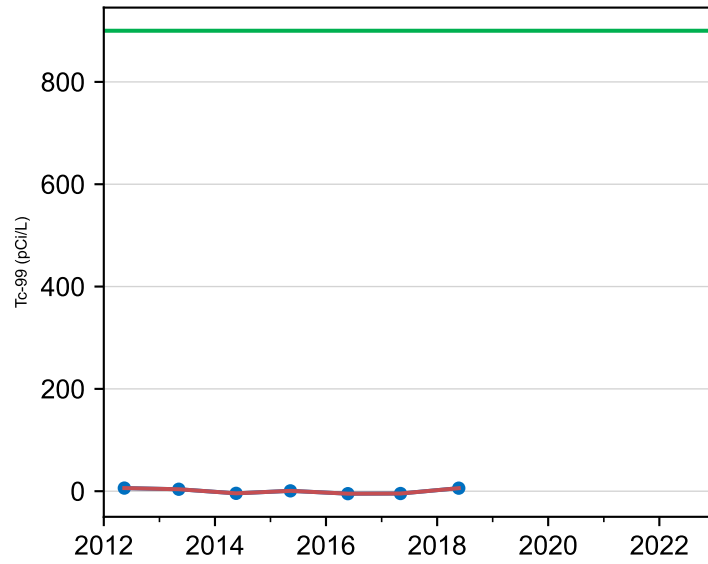
● Data
 — LOWESS
 — MCLs

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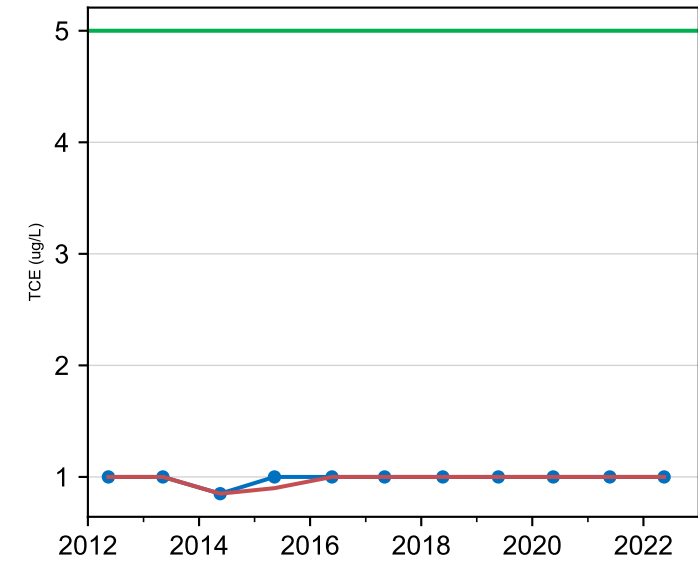
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 188. Tc-99 and TCE at MW471 (MRGA)

Technetium-99

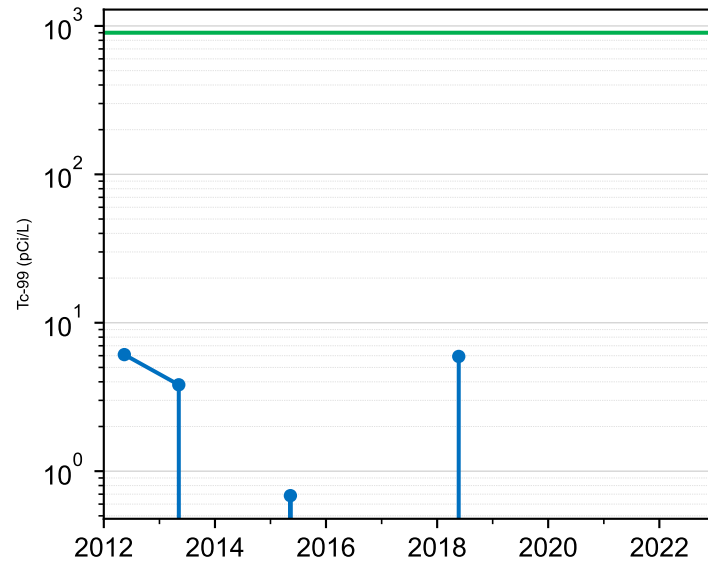


Trichloroethene

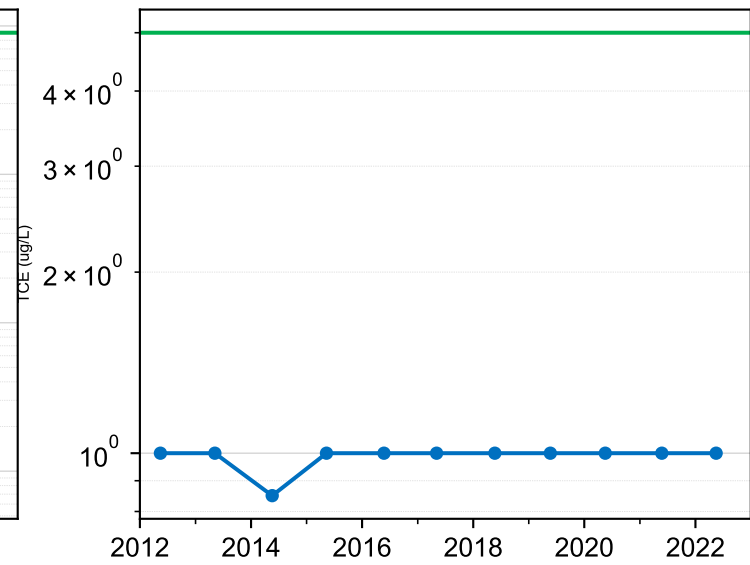


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/15/2012	6.1 U	1.0 U
05/08/2013	3.82 U	1.0 U
05/20/2014	-4.18 U	0.85 J
05/12/2015	0.684 U	1.0 U
05/24/2016	-4.82 U	1.0 U
05/05/2017	-4.53 U	1.0 U
05/23/2018	5.93 U	1.0 U
05/23/2019		1.0 U
05/18/2020		1.0 U
05/25/2021		1.0 U
05/17/2022		1.0 U

Technetium-99



Trichloroethene



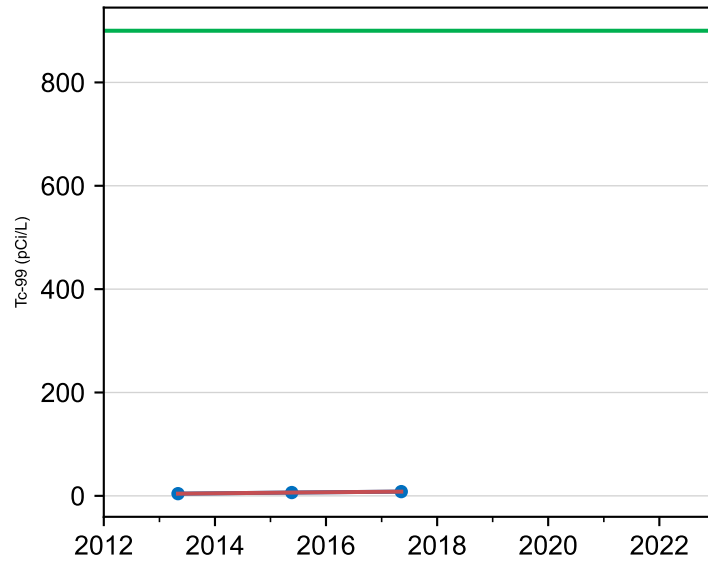
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

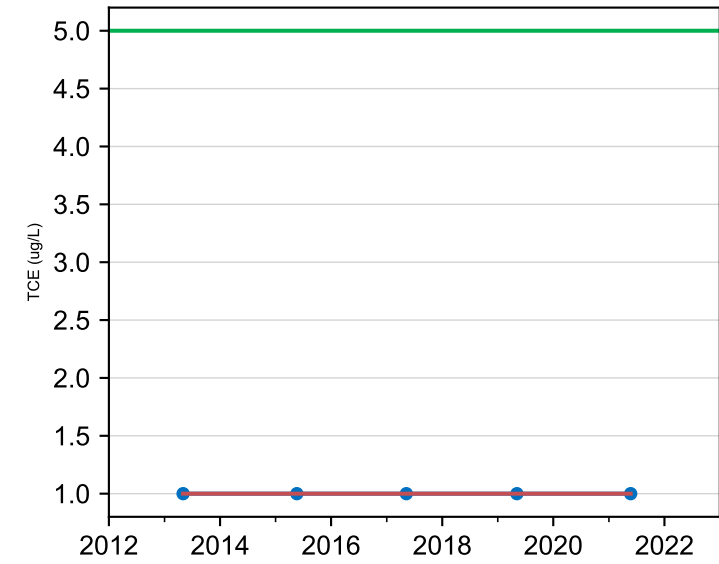
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 PADUCAH GASEOUS DIFFUSION PLANT

Figure 189. Tc-99 and TCE at MW472 (LRGA)

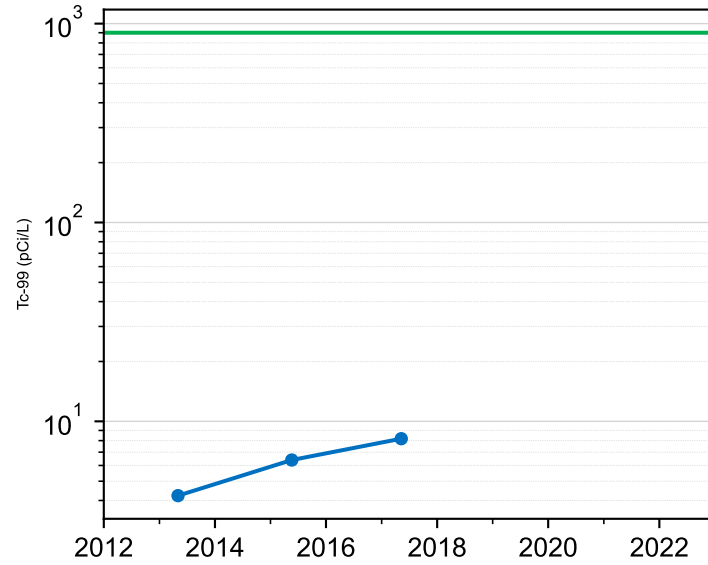
Technetium-99



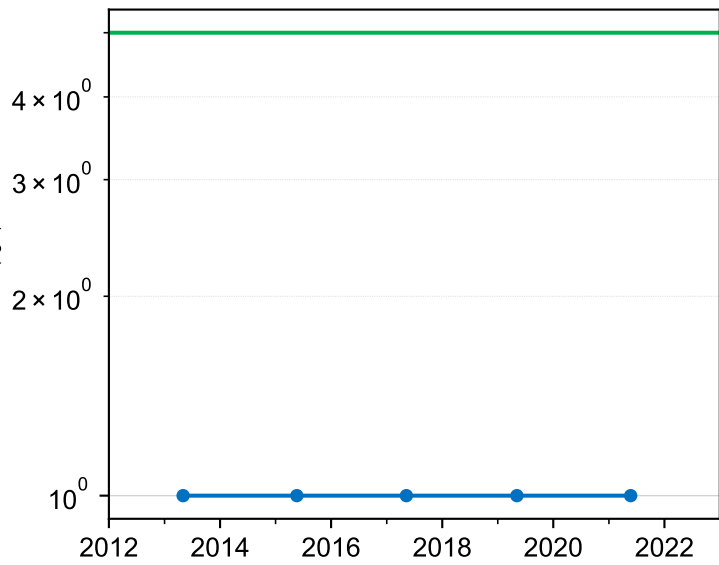
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/03/2013	4.23 U	1.0 U
05/21/2015	6.39 U	1.0 U
05/10/2017	8.18 U	1.0 U
05/07/2019	1.0 U	1.0 U
05/24/2021	1.0 U	1.0 U

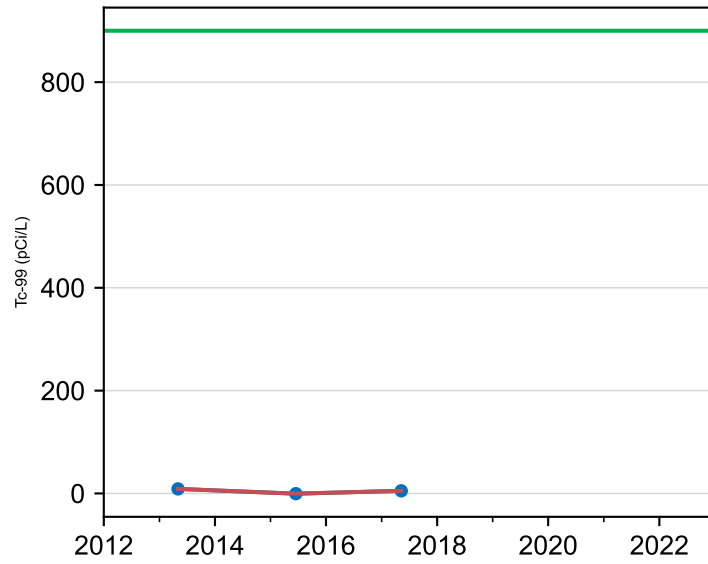
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

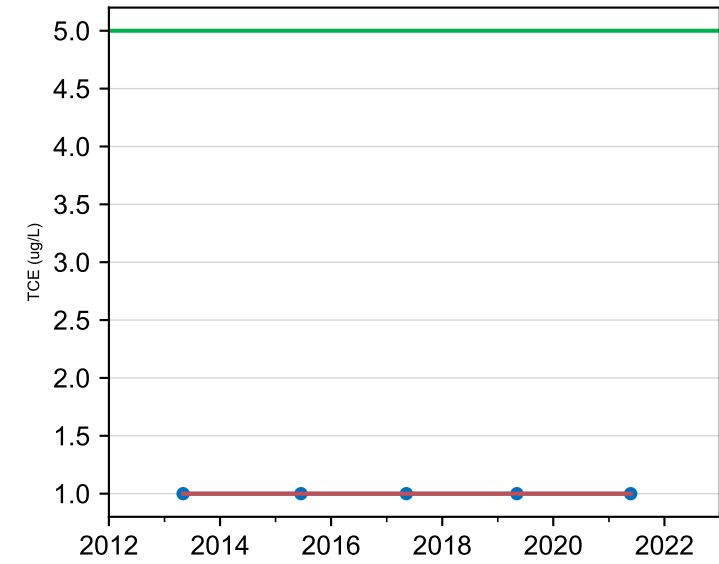
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Figure 190. Tc-99 and TCE at MW473 (LRGA)

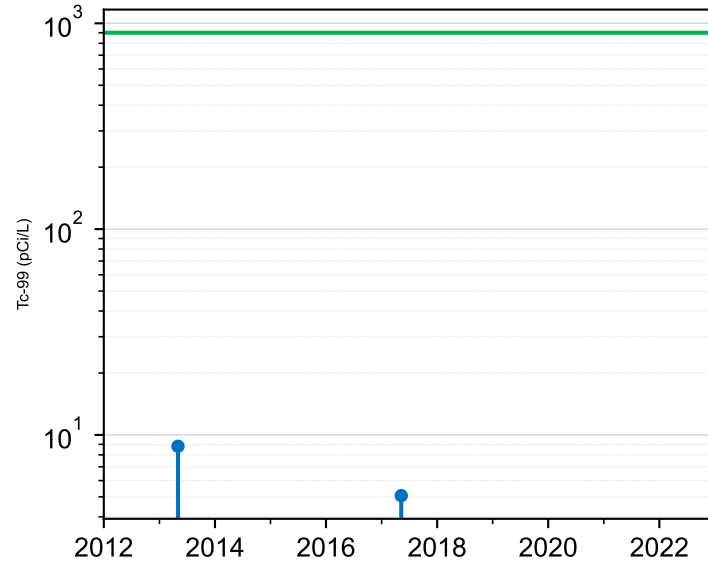
Technetium-99



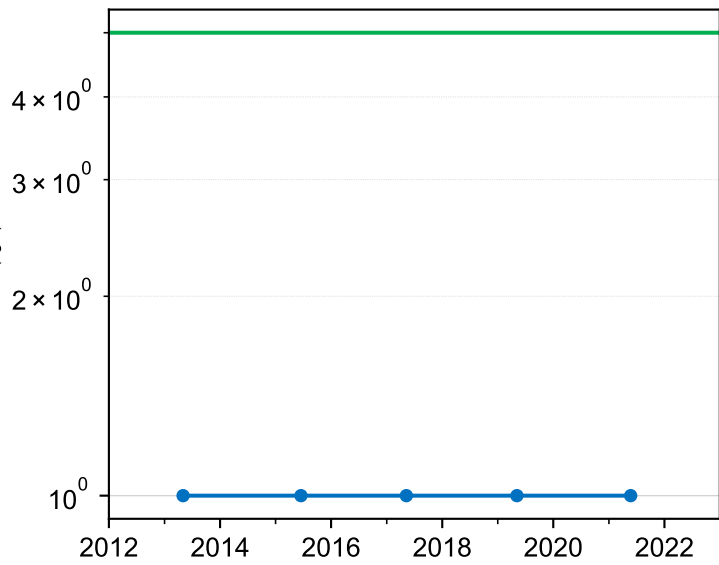
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/03/2013	8.81 U	1.0 U
06/17/2015	-0.427 U	1.0 U
05/10/2017	5.07 U	1.0 U
05/07/2019	1.0 U	1.0 U
05/24/2021	1.0 U	1.0 U

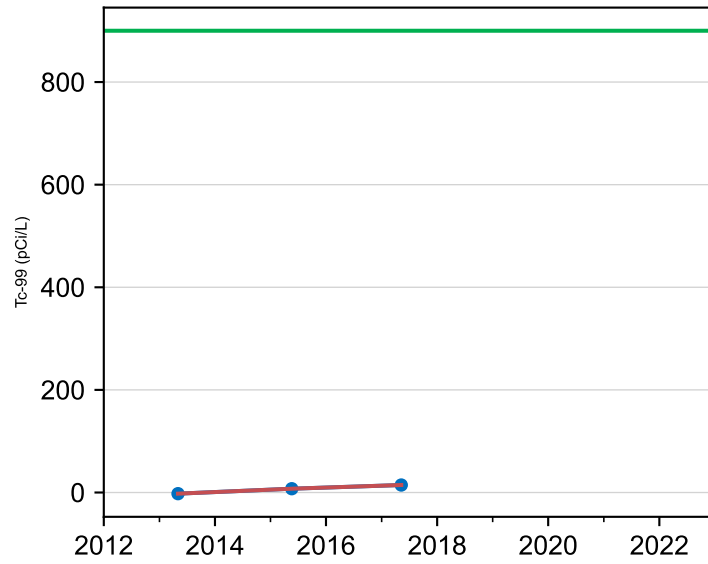
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

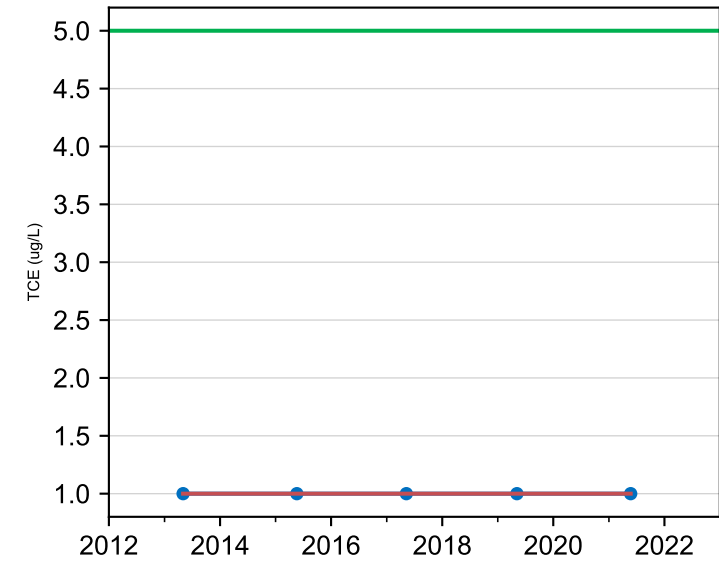
U.S. DEPARTMENT OF ENERGY
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 PADUCAH GASEOUS DIFFUSION PLANT

Figure 191. Tc-99 and TCE at MW474 (LRGA)

Technetium-99

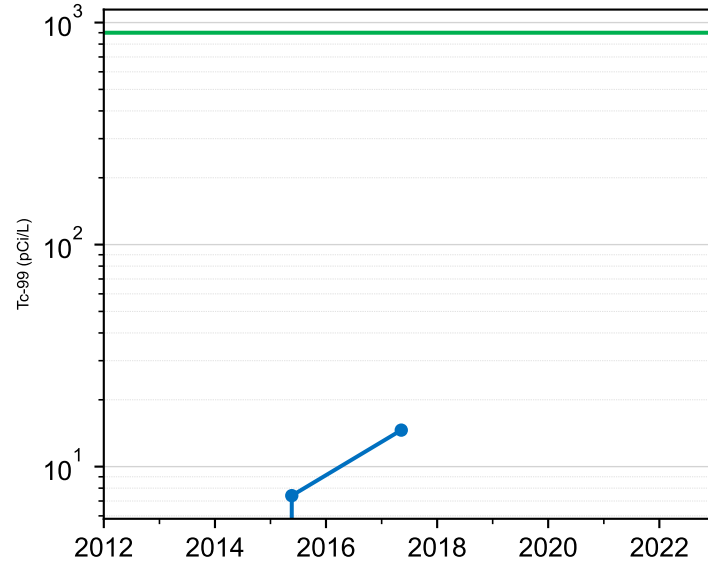


Trichloroethene

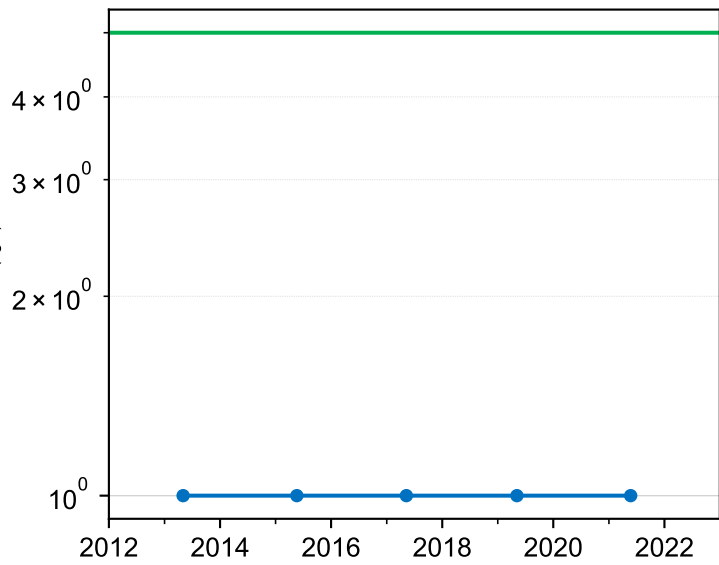


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/03/2013	-2.26 U	1.0 U
05/21/2015	7.4 U	1.0 U
05/10/2017	14.6 U	1.0 U
05/07/2019	1.0 U	1.0 U
05/24/2021	1.0 U	1.0 U

Technetium-99



Trichloroethene



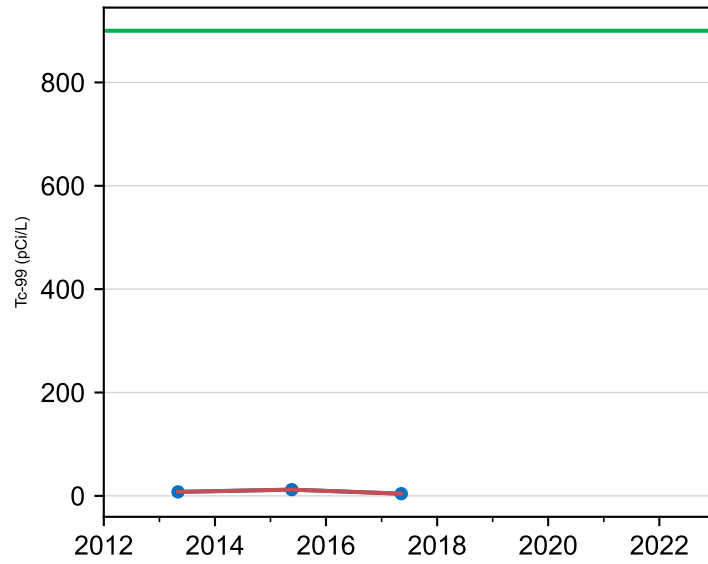
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

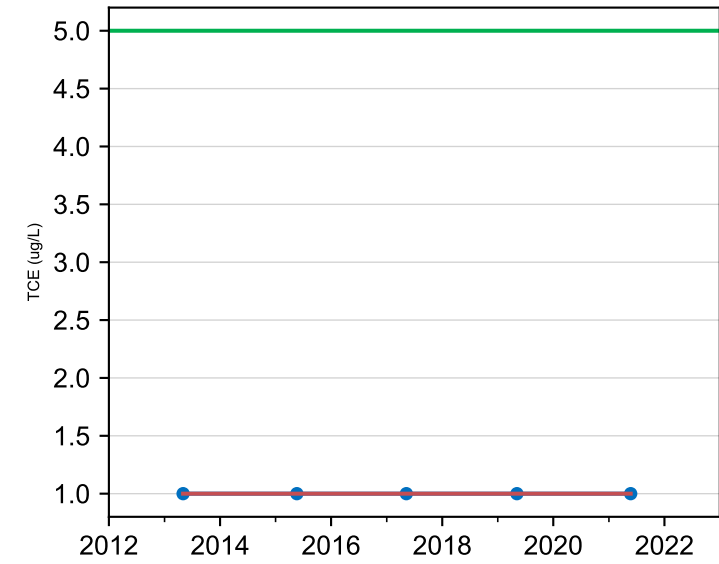
U.S. DEPARTMENT OF ENERGY
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 PADUCAH GASEOUS DIFFUSION PLANT

Figure 192. Tc-99 and TCE at MW475 (MRGA)

Technetium-99

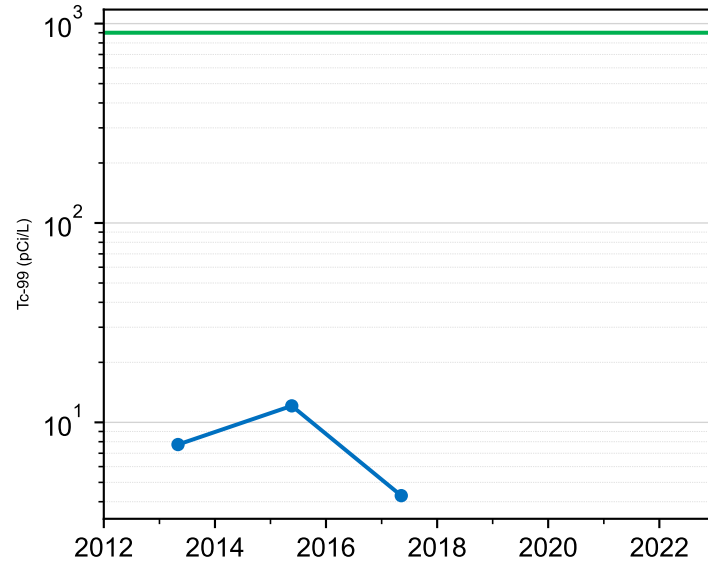


Trichloroethene

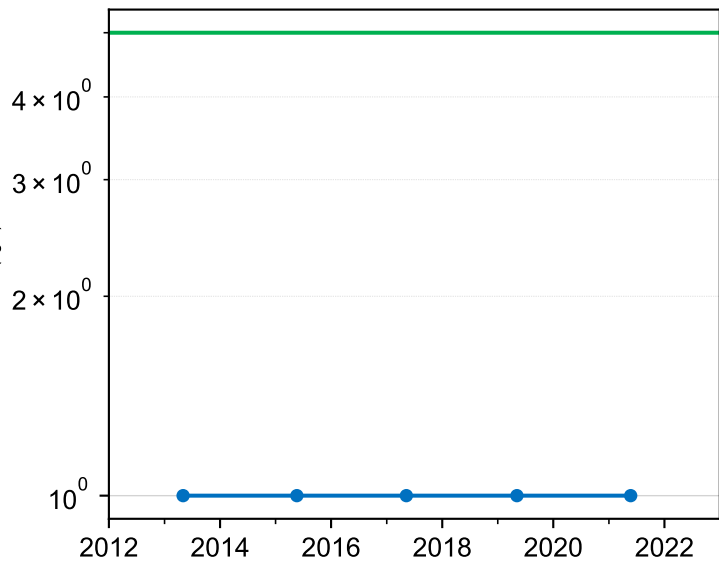


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/03/2013	7.74 U	1.0 U
05/21/2015	12.1 U	1.0 U
05/10/2017	4.29 U	1.0 U
05/07/2019	1.0 U	1.0 U
05/24/2021	1.0 U	1.0 U

Technetium-99



Trichloroethene



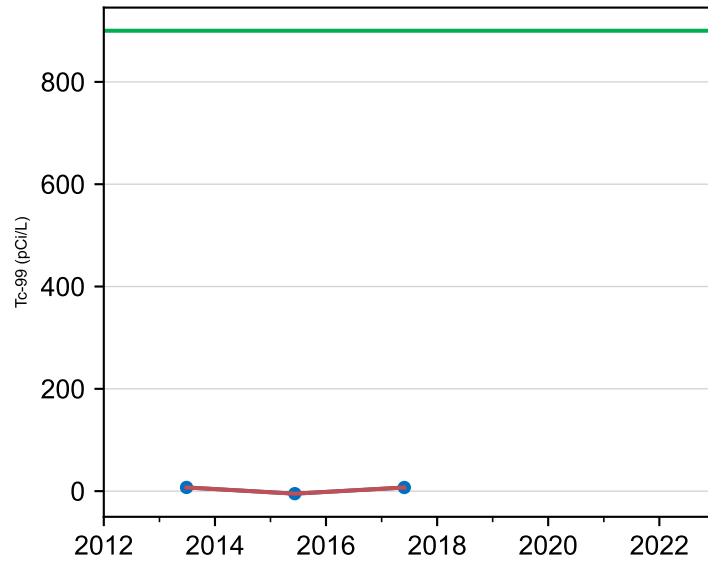
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

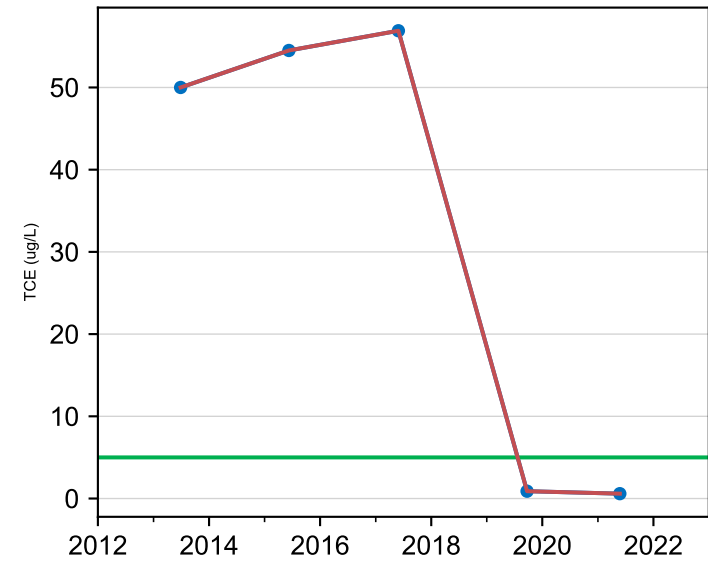
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Figure 193. Tc-99 and TCE at MW476 (LRGA)

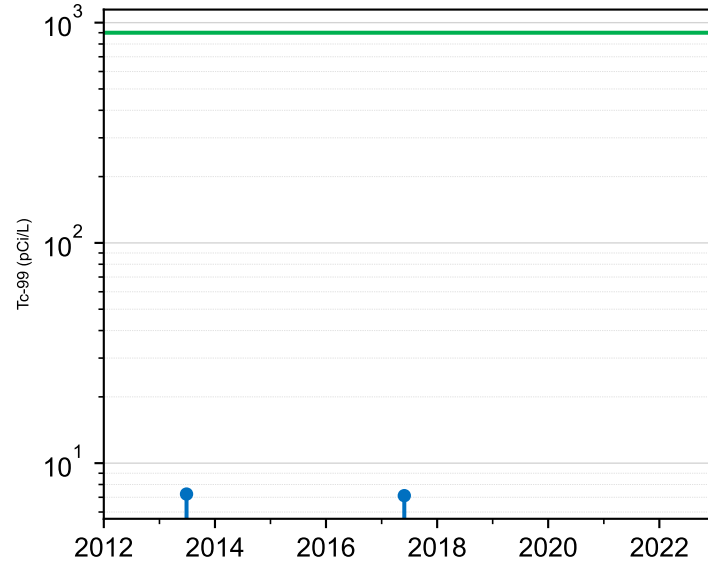
Technetium-99



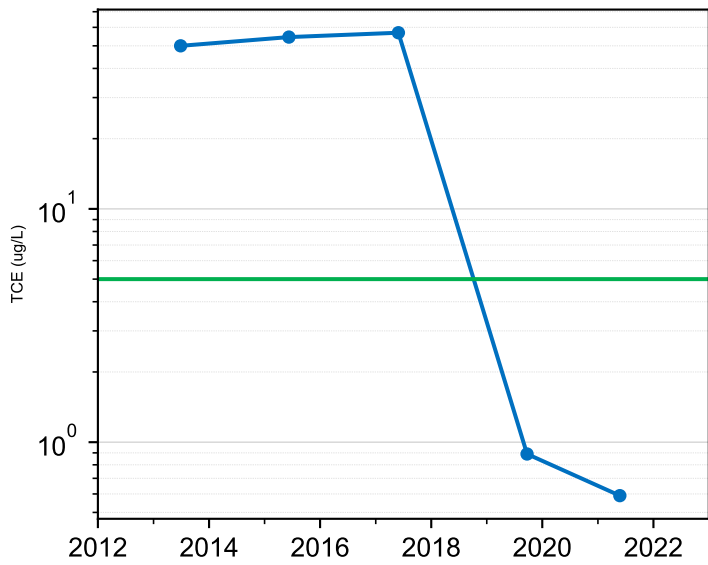
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
06/28/2013	7.24 U	50.0
06/10/2015	-4.94 U	54.5
05/30/2017	7.12 U	56.9
09/23/2019	0.89 J	0.89 J
05/25/2021		0.59 J

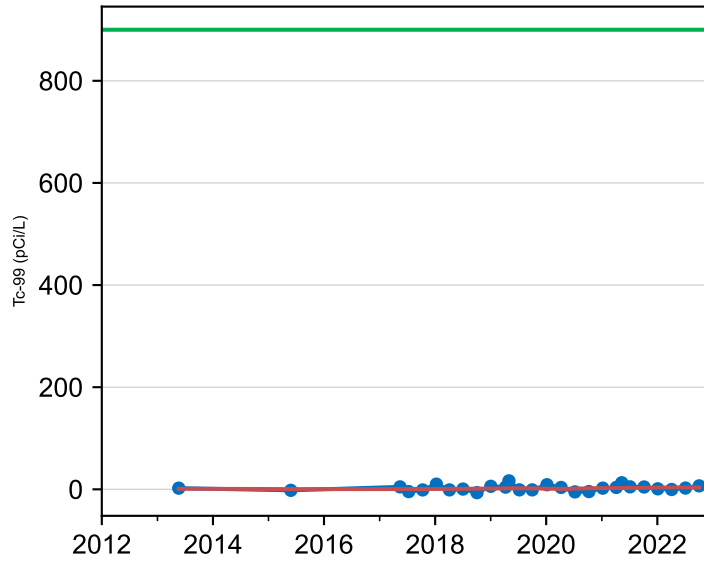
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

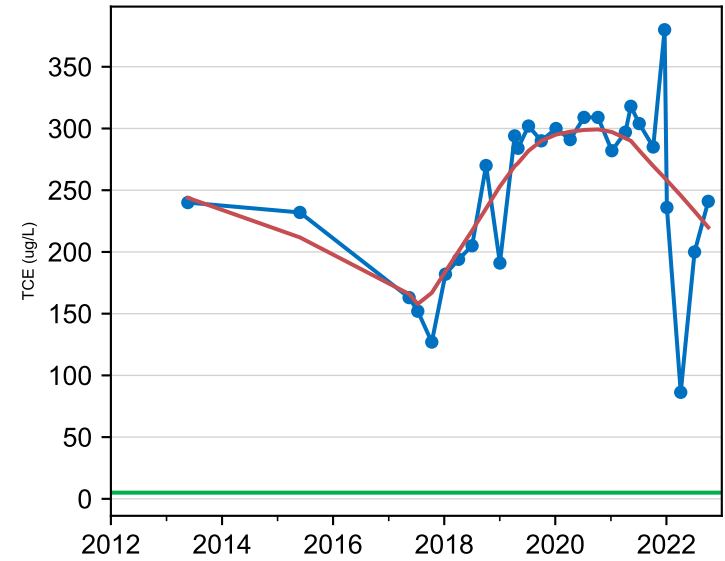
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 PADUCAH GASEOUS DIFFUSION PLANT

Figure 194. Tc-99 and TCE at MW477 (LRGA)

Technetium-99

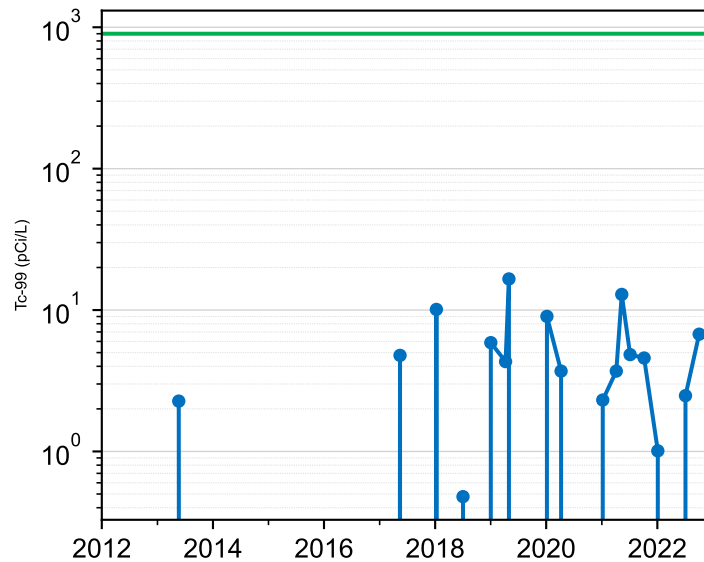


Trichloroethene

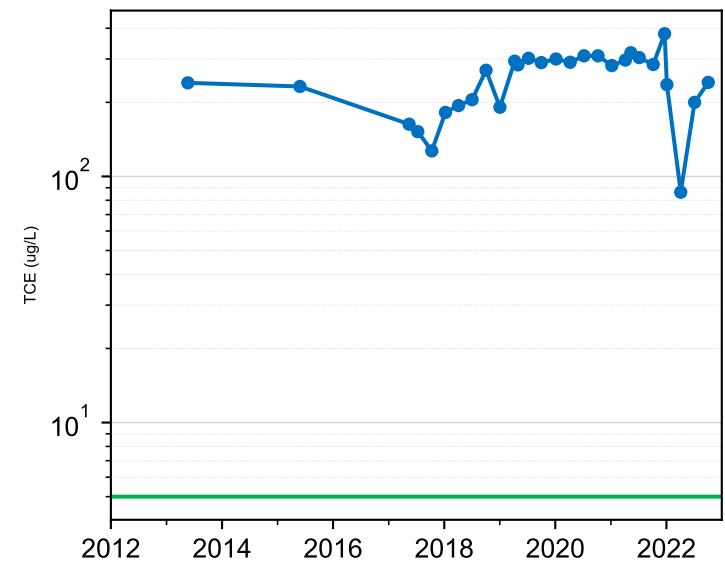


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/21/2013	2.27 U	240.0
05/28/2015	-1.95 U	232.0
05/15/2017	4.78 U	163.0
07/11/2017	-4.46 U	152.0
10/11/2017	-1.18 U	127.0
01/09/2018	10.1 U	182.0
04/05/2018	-1.12 U	194.0
07/03/2018	0.479 U	205.0
10/03/2018	-6.55 U	270.0
01/02/2019	5.88 U	191.0
04/09/2019	4.32 U	294.0
05/01/2019	16.6 U	284.0
07/09/2019	-1.03 U	302.0
10/01/2019	-1.07 U	290.0
01/06/2020	9.02 U	300.0
04/08/2020	3.7 U	291.0
07/08/2020	-5.01 U	309.0
10/08/2020	-4.39 U	309.0
01/07/2021	2.31 U	282.0
04/06/2021	3.7 U	297.0
05/12/2021	12.9 U	318.0
07/06/2021	4.84 U	304.0
10/06/2021	4.58 U	285.0
12/20/2021		380.0
01/04/2022	1.01 U	236.0
04/05/2022	-0.335 U	86.3
07/05/2022	2.48 U	200.0
10/03/2022	6.75 U	241.0

Technetium-99



Trichloroethene



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

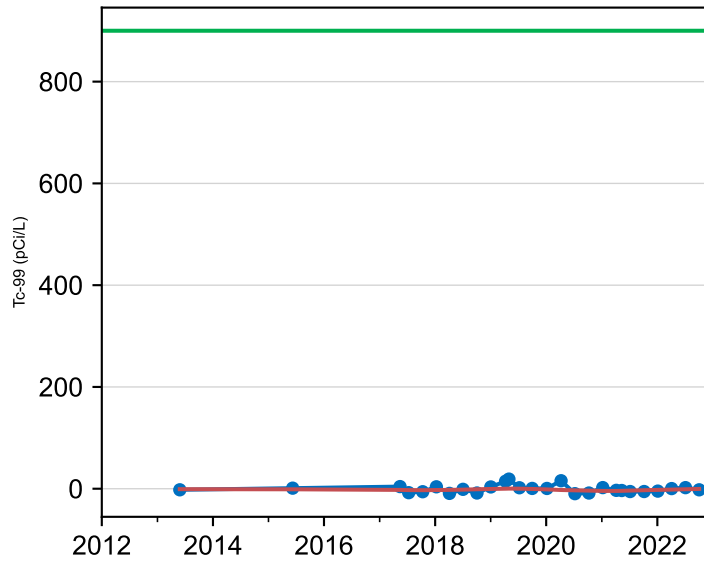
● Data
— LOWESS
— MCLs

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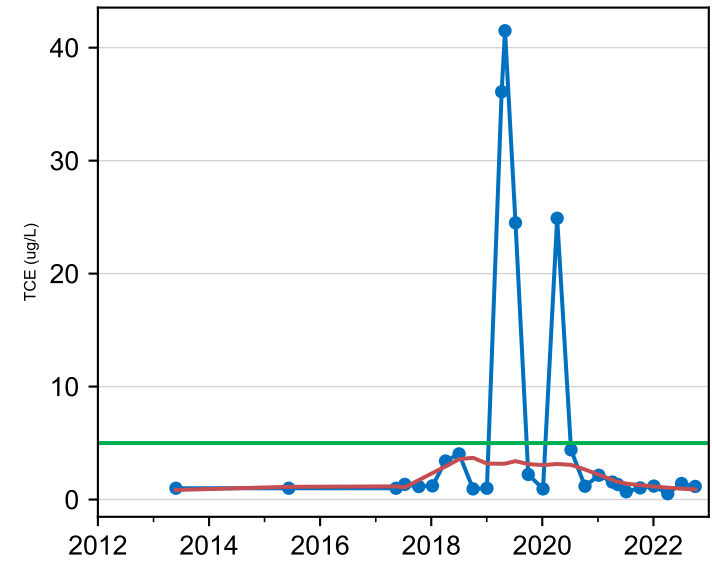
FOUR RIVERS
NUCLEAR PARTNERSHIP, LLC

Figure 195. Tc-99 and TCE at MW478 (MRGA)

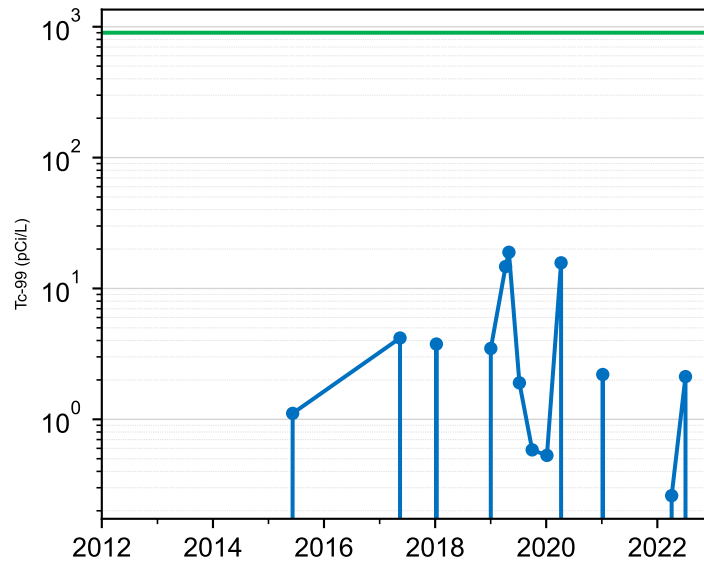
Technetium-99



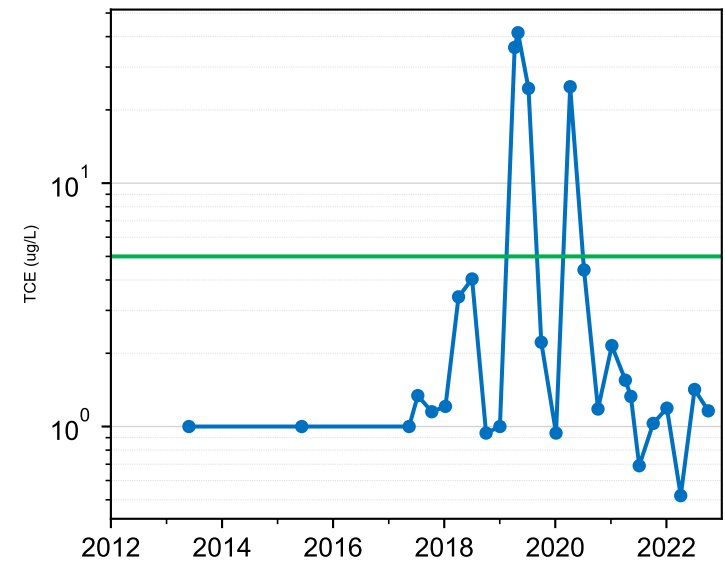
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/28/2013	-2.12 U	1.0 U
06/09/2015	1.11 U	1.0 U
05/15/2017	4.18 U	1.0 U
07/11/2017	-7.77 U	1.34
10/11/2017	-5.9 U	1.15
01/09/2018	3.76 U	1.21
04/05/2018	-9.16 U	3.41
07/03/2018	-1.19 U	4.04
10/03/2018	-8.4 U	0.94 J
01/02/2019	3.48 U	1.0 U
04/09/2019	14.7	36.1
05/01/2019	18.9	41.5
07/09/2019	1.9 U	24.5
10/01/2019	0.584 U	2.22
01/06/2020	0.53 U	0.94 J
04/08/2020	15.7	24.9
07/08/2020	-9.72 U	4.4
10/08/2020	-8.46 U	1.18
01/07/2021	2.2 U	2.15
04/06/2021	-3.19 U	1.55
05/12/2021	-3.52 U	1.33
07/06/2021	-5.54 U	0.69 J
10/06/2021	-5.51 U	1.03
01/04/2022	-4.69 U	1.19
04/05/2022	0.261 U	0.52 J
07/05/2022	2.12 U	1.42
10/03/2022	-2.13 U	1.16

- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

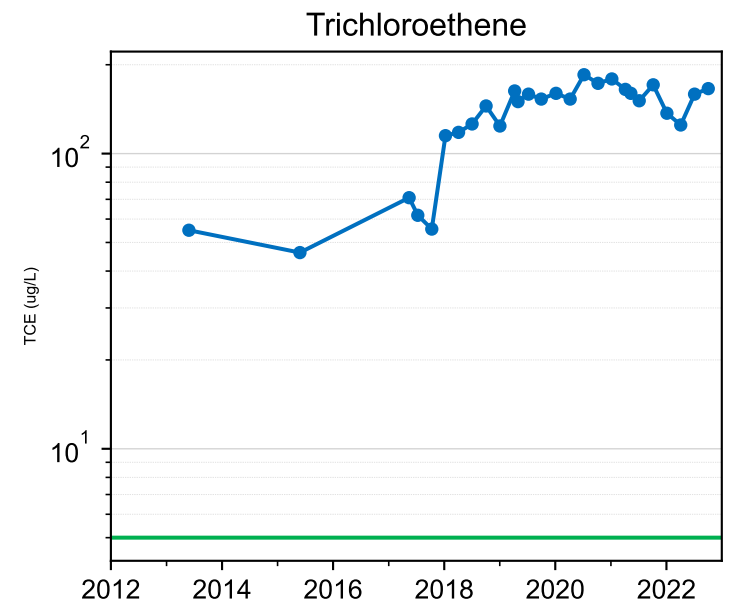
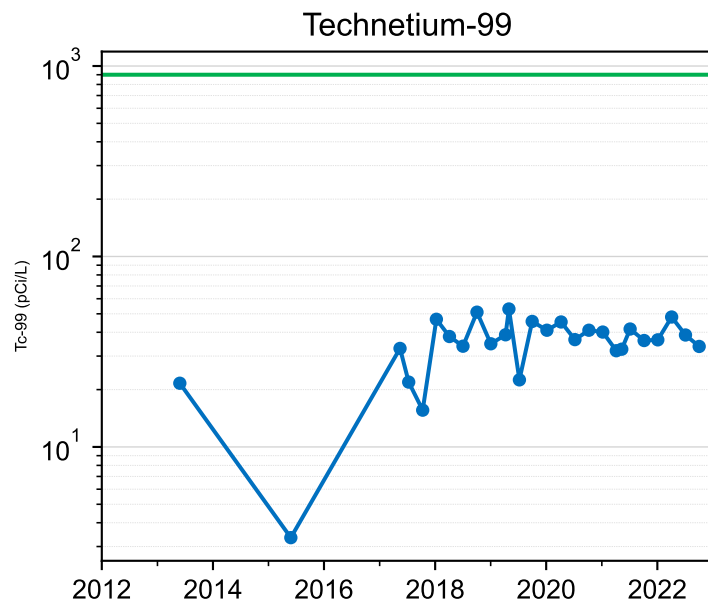
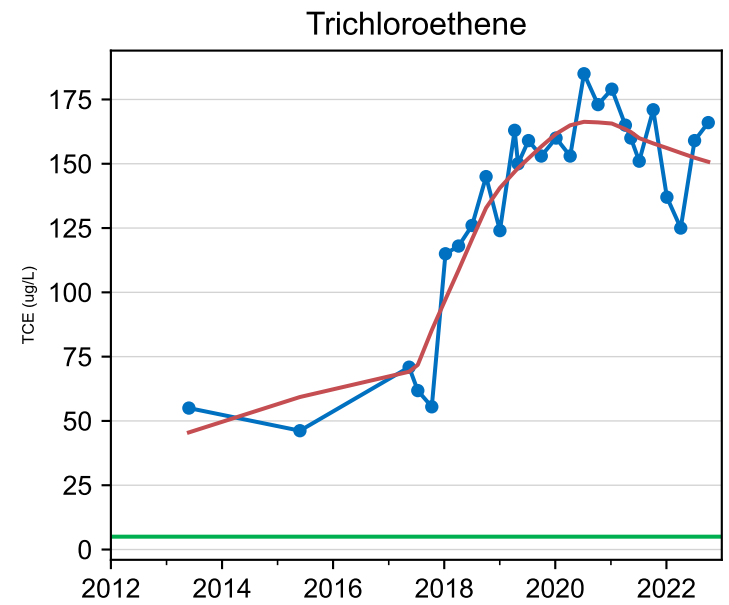
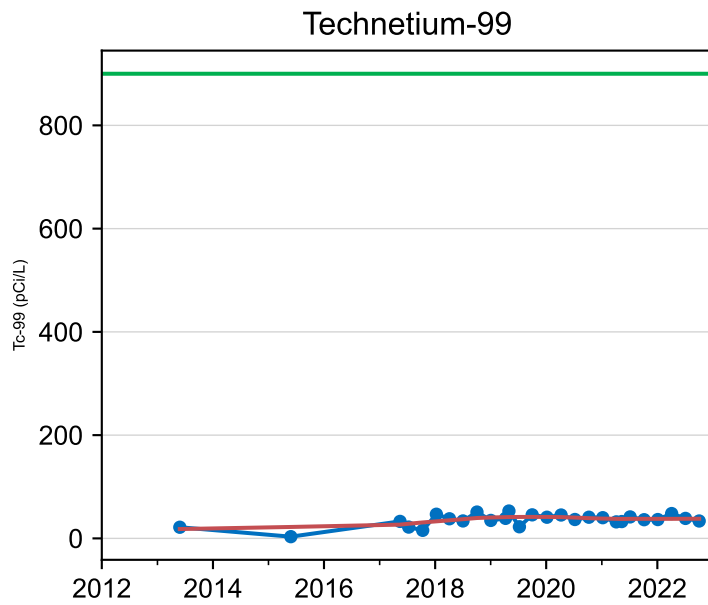
● Data
— LOWESS
— MCLs

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Figure 196. Tc-99 and TCE at MW479 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/28/2013	21.6	55.0
05/28/2015	3.34 U	46.2
05/15/2017	32.9	70.9
07/11/2017	21.9	61.8
10/11/2017	15.6 U	55.5
01/09/2018	46.8	115.0
04/05/2018	38.0	118.0
07/03/2018	33.8	126.0
10/03/2018	51.0	145.0
01/02/2019	34.8	124.0
04/09/2019	38.8	163.0
05/01/2019	53.0	150.0
07/09/2019	22.5	159.0
10/01/2019	45.6	153.0
01/06/2020	41.0	160.0
04/08/2020	45.3	153.0
07/08/2020	36.6	185.0
10/08/2020	41.0	173.0
01/07/2021	40.1	179.0 J
04/06/2021	32.0	165.0
05/12/2021	32.6	160.0
07/06/2021	41.6	151.0
10/06/2021	36.2	171.0
01/04/2022	36.5	137.0
04/05/2022	48.1	125.0
07/05/2022	38.7	159.0
10/03/2022	33.7	166.0



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

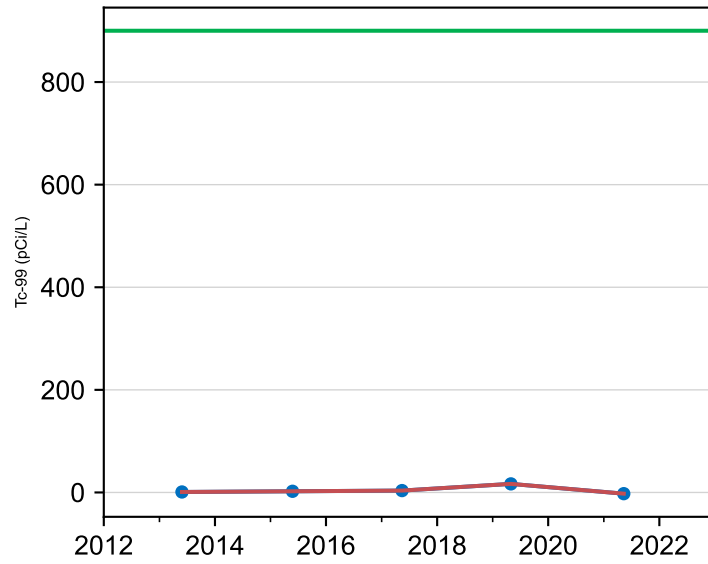
● Data — LOWESS
— MCLs

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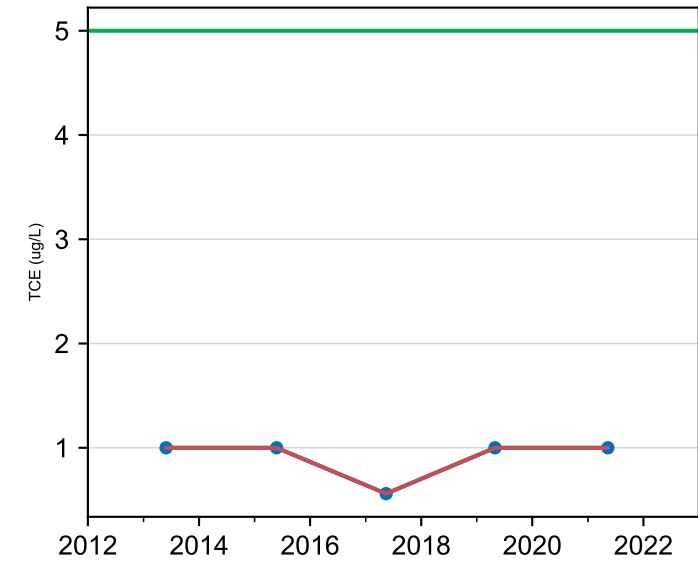
FOUR RIVERS
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Figure 197. Tc-99 and TCE at MW480 (LRGA)

Technetium-99

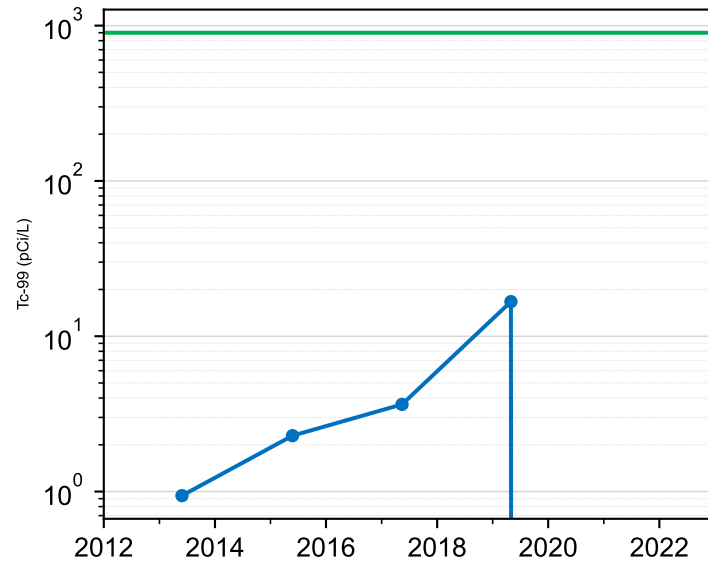


Trichloroethene

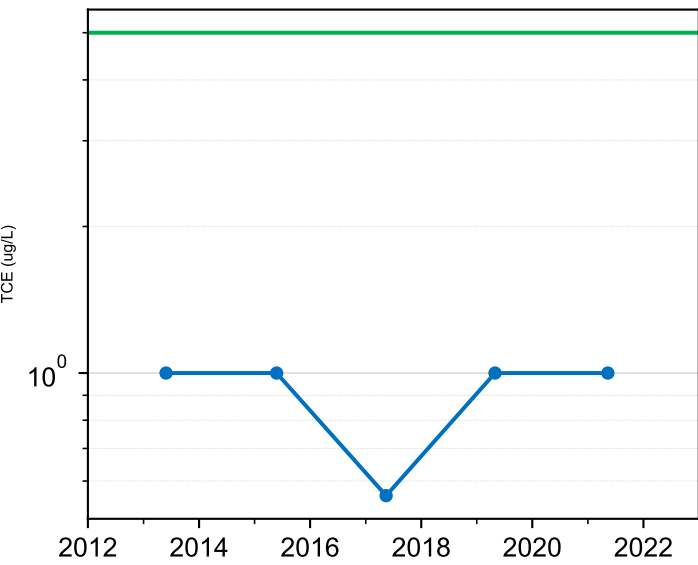


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/29/2013	0.941 U	1.0
05/26/2015	2.29 U	1.0 U
05/15/2017	3.64 U	0.56 J
05/01/2019	16.7 U	1.0 U
05/12/2021	-2.36 U	1.0 U

Technetium-99



Trichloroethene



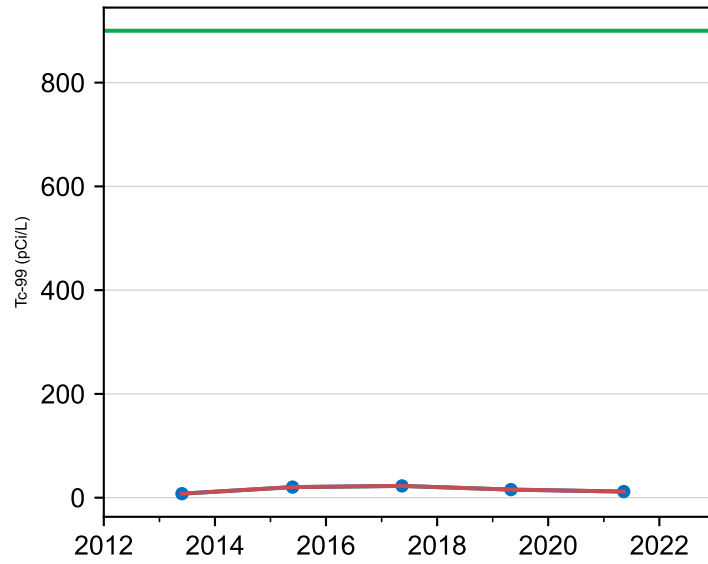
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

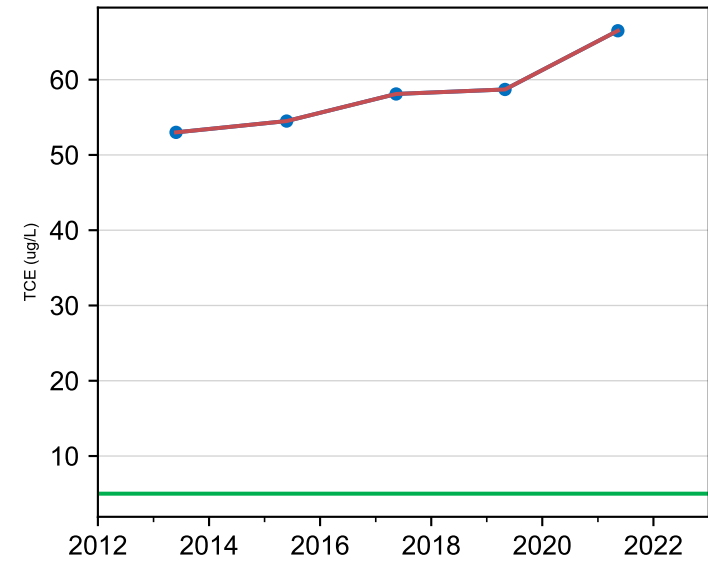
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Figure 198. Tc-99 and TCE at MW481 (MRGA)

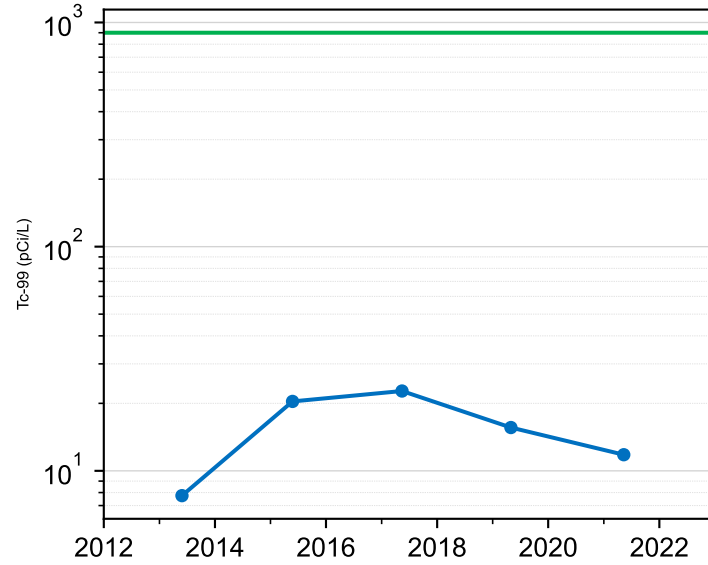
Technetium-99



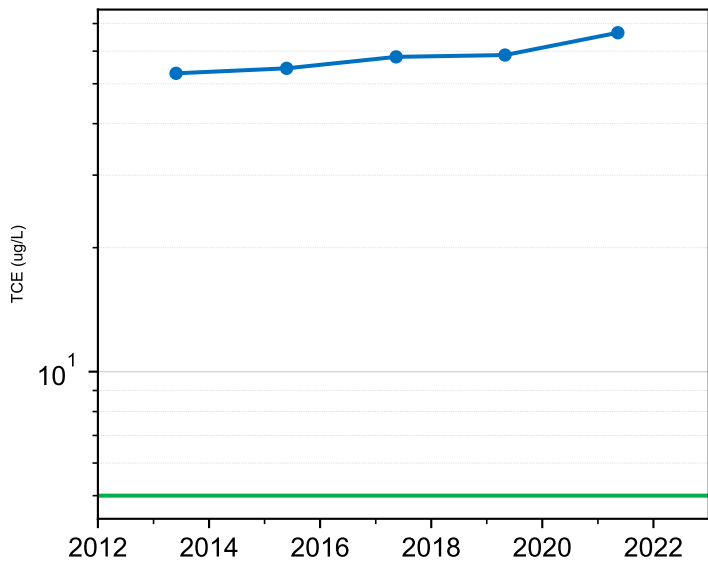
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/29/2013	7.75 U	53.0
05/26/2015	20.4 U	54.5
05/15/2017	22.7	58.1
05/01/2019	15.6 U	58.7
05/12/2021	11.8 U	66.5

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

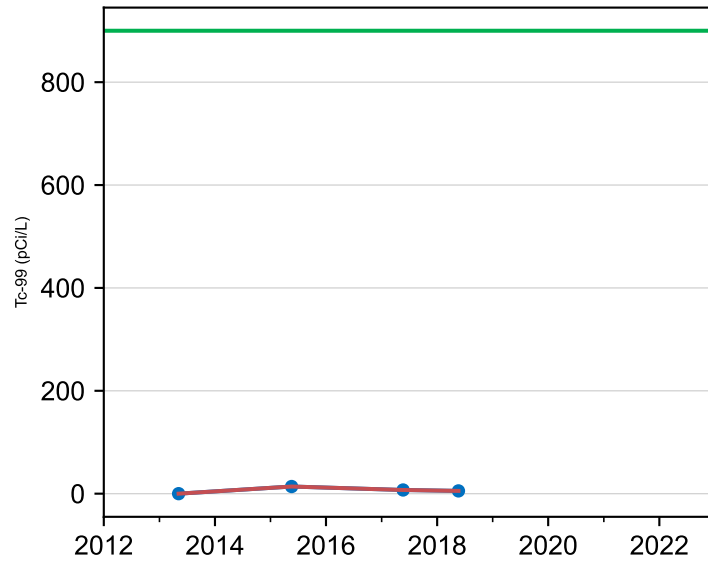
● Data
 — LOWESS
 — MCLs

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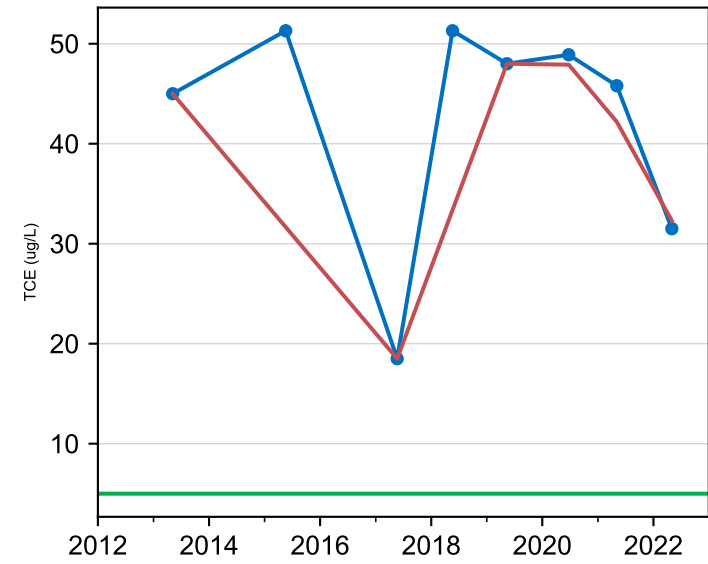
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Figure 199. Tc-99 and TCE at MW482 (LRGA)

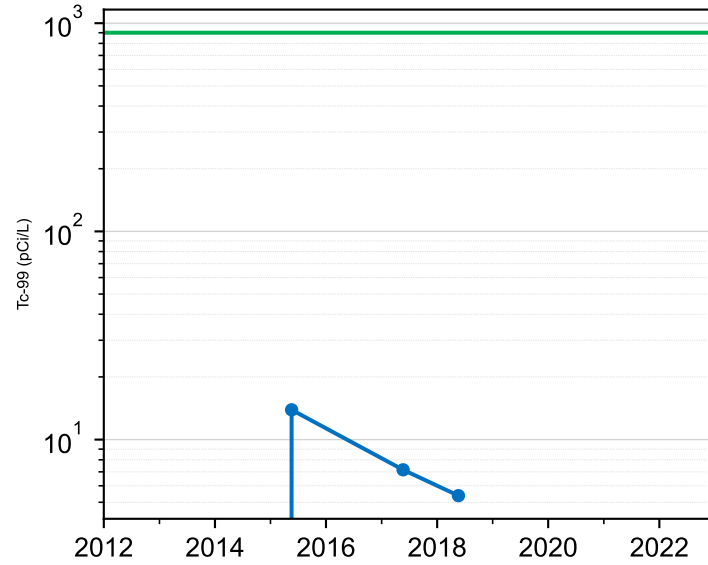
Technetium-99



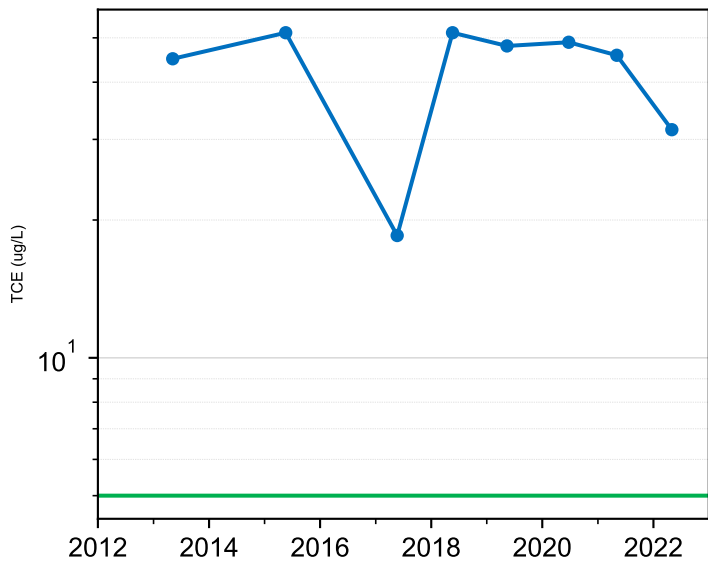
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/07/2013	0.0 U	45.0
05/20/2015	13.9 U	51.3
05/22/2017	7.16 U	18.5
05/21/2018	5.38 U	51.3
05/14/2019		48.0
06/23/2020		48.9
05/05/2021		45.8
05/02/2022		31.5

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

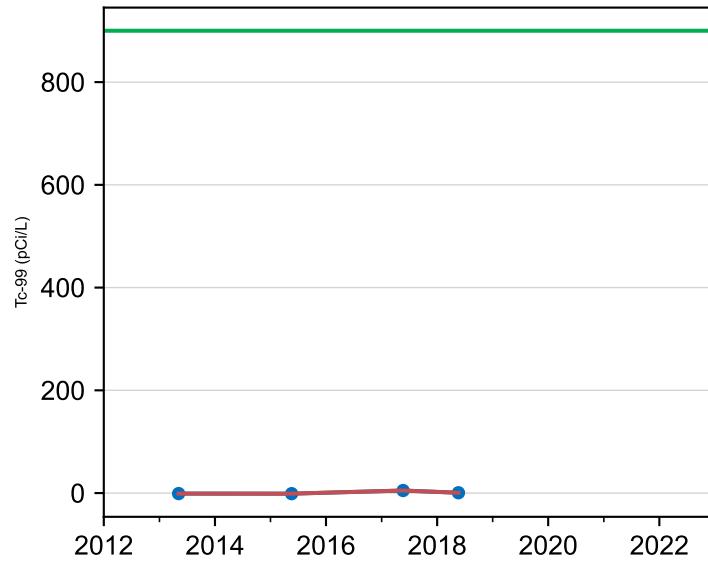
● Data
 — LOWESS
 — MCLs

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 PADUCAH GASEOUS DIFFUSION PLANT

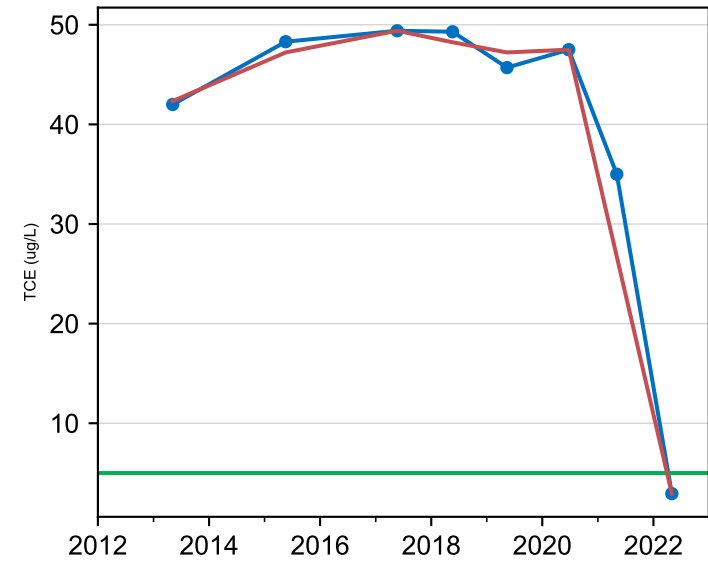
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 200. Tc-99 and TCE at MW483 (MRGA)

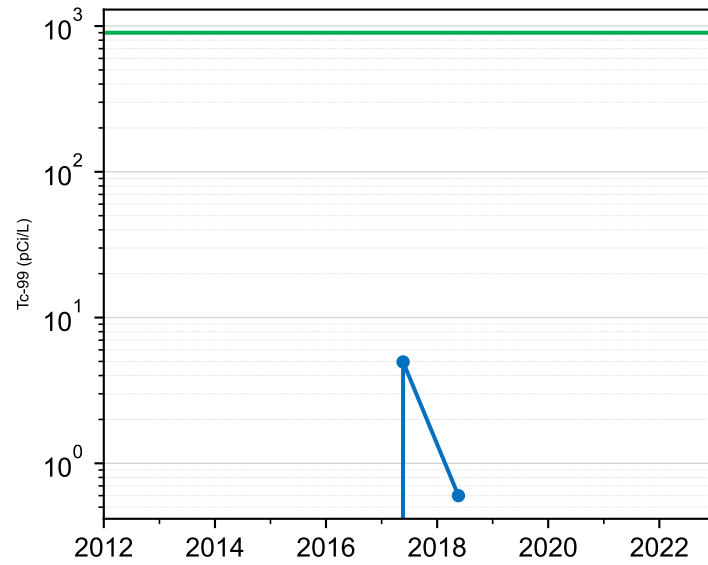
Technetium-99



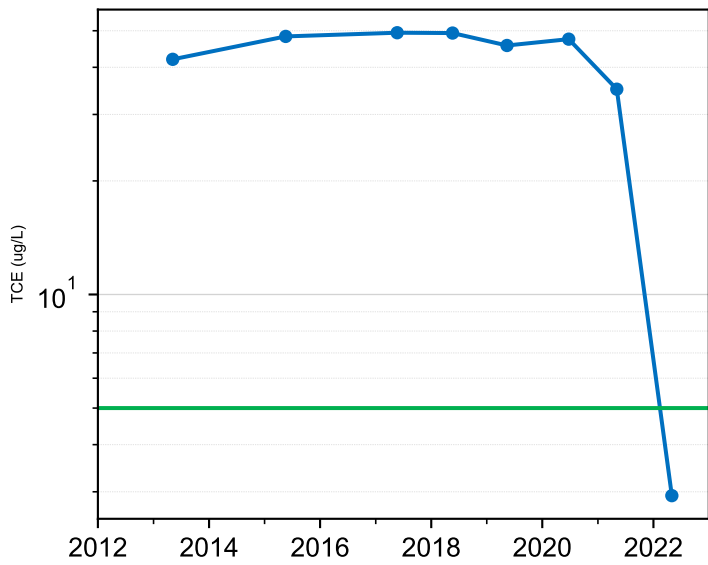
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/07/2013	-0.999 U	42.0
05/20/2015	-1.16 U	48.3
05/22/2017	4.96 U	49.4
05/21/2018	0.6 U	49.3
05/14/2019		45.7
06/23/2020		47.5
05/05/2021		35.0
05/02/2022		2.93

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

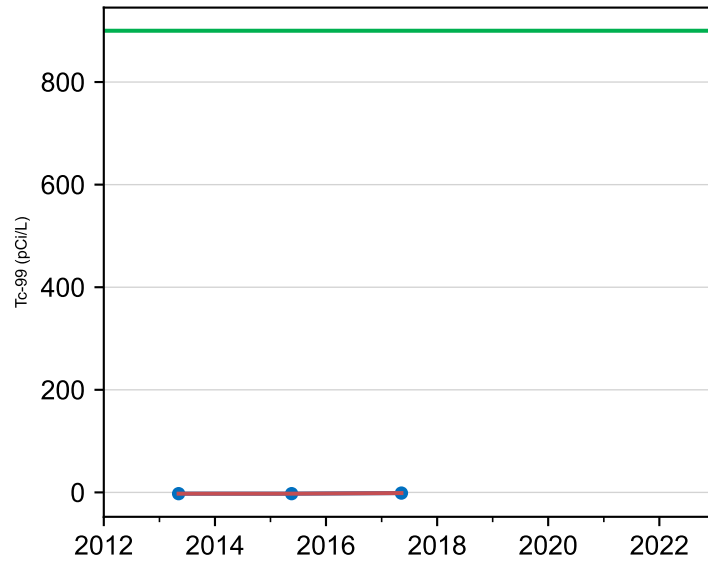
● Data
 — LOWESS
 — MCLs

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 PADUCAH GASEOUS DIFFUSION PLANT

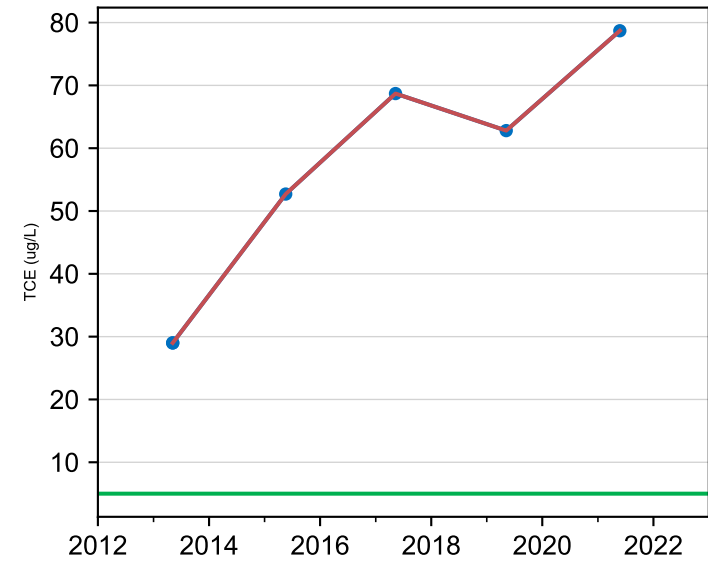
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 201. Tc-99 and TCE at MW484 (LRGA)

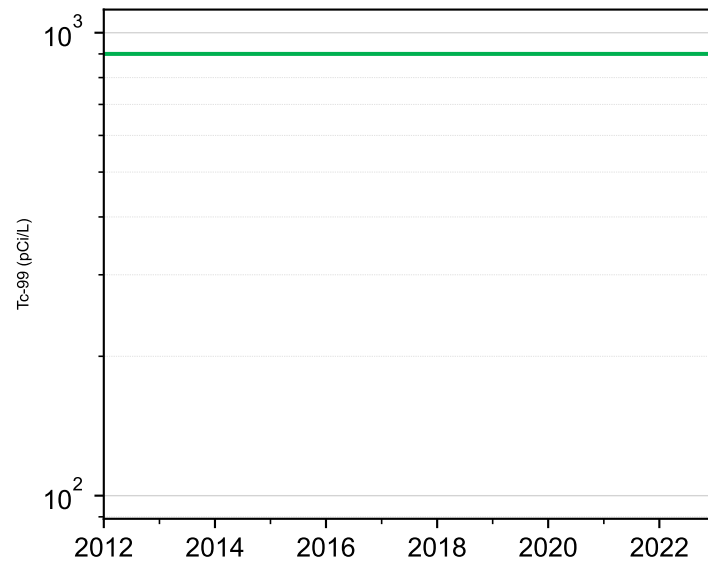
Technetium-99



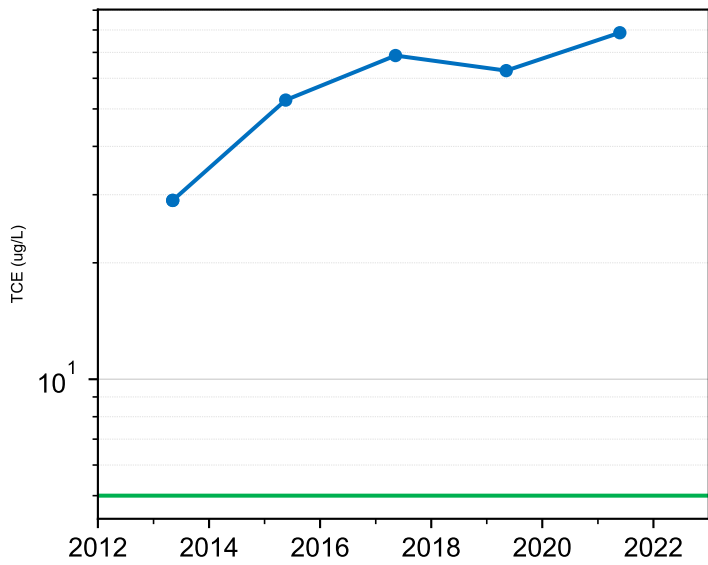
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/07/2013	-2.47 U	29.0
05/20/2015	-2.45 U	52.7
05/11/2017	-1.33 U	68.7
05/09/2019		62.8
05/25/2021		78.7

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

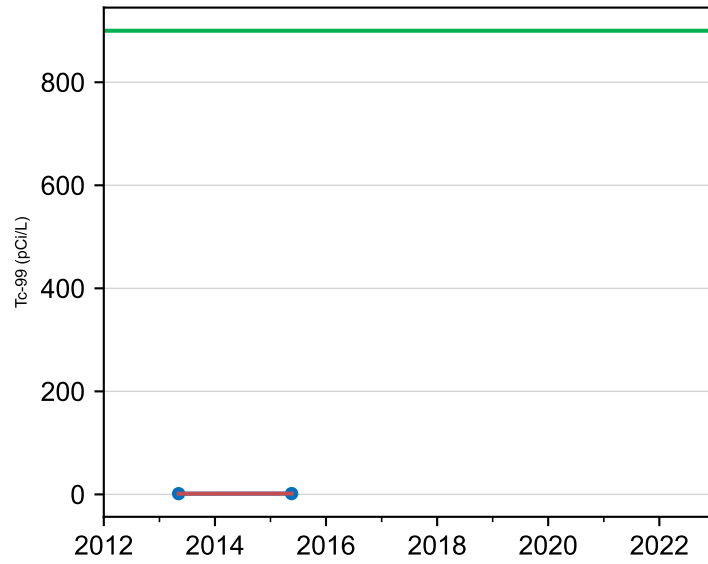
● Data
 — LOWESS
 — MCLs

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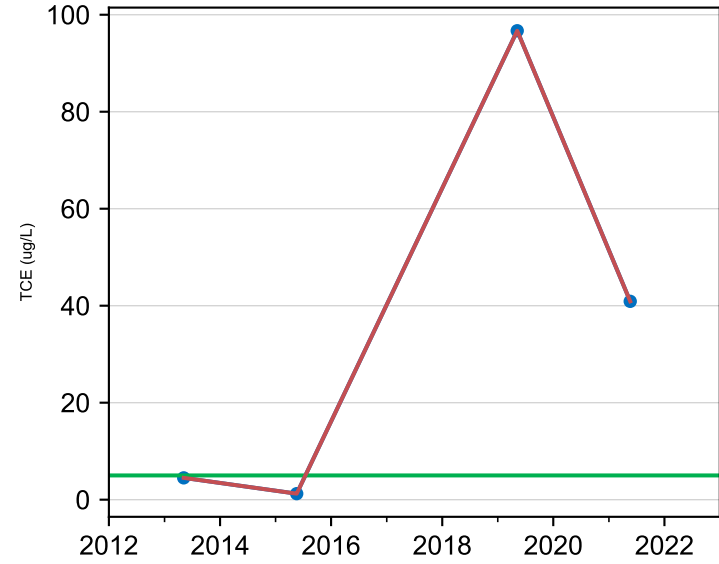
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 202. Tc-99 and TCE at MW485 (MRGA)

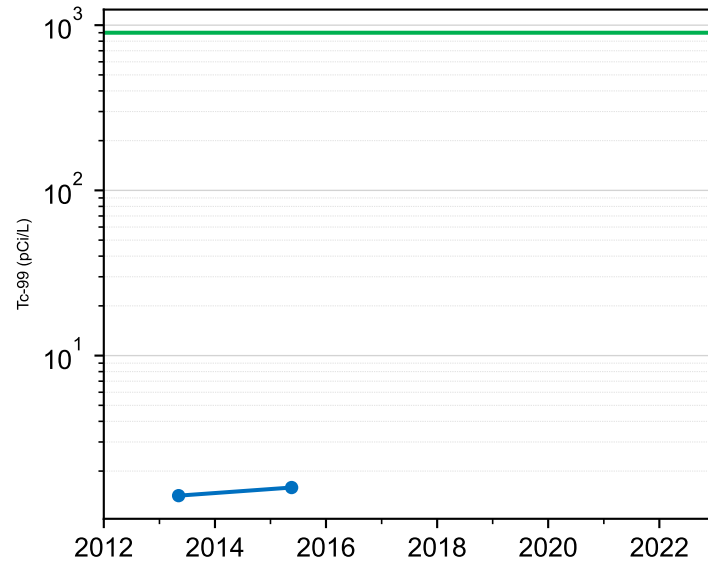
Technetium-99



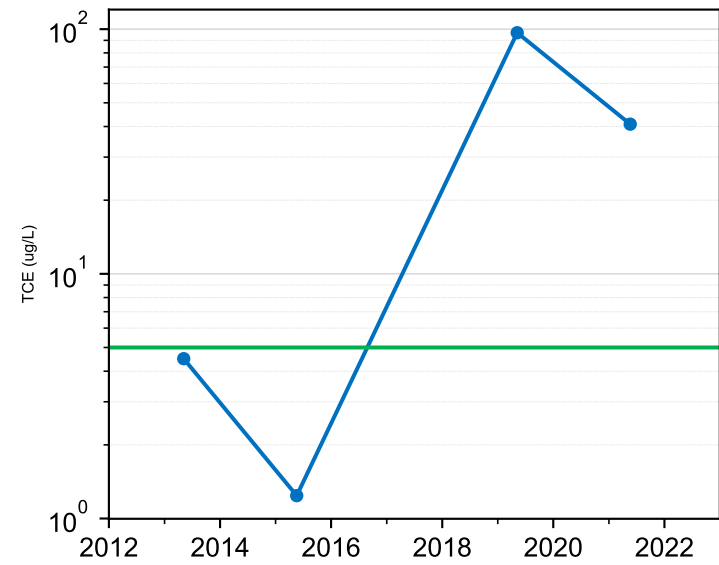
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/07/2013	1.42 U	4.5 J
05/20/2015	1.59 U	1.24
05/09/2019		96.7
05/21/2021		40.9

Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

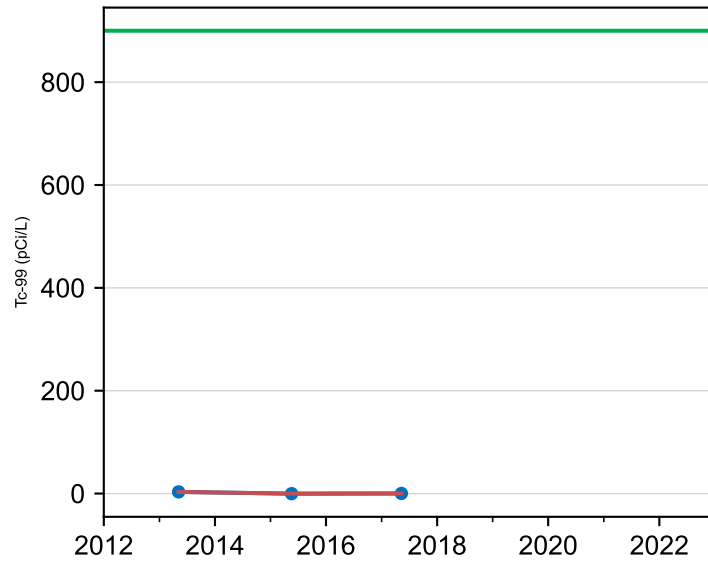
● Data
 — LOWESS
 — MCLs

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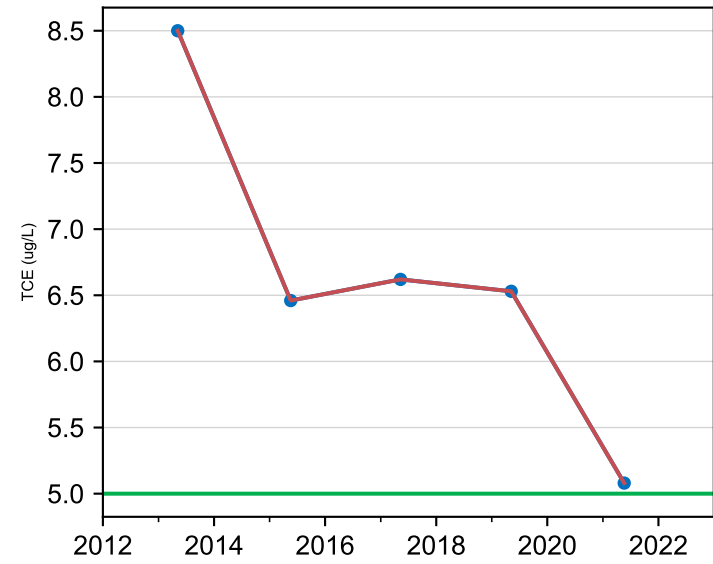
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 203. Tc-99 and TCE at MW486/MW486A (RGA)

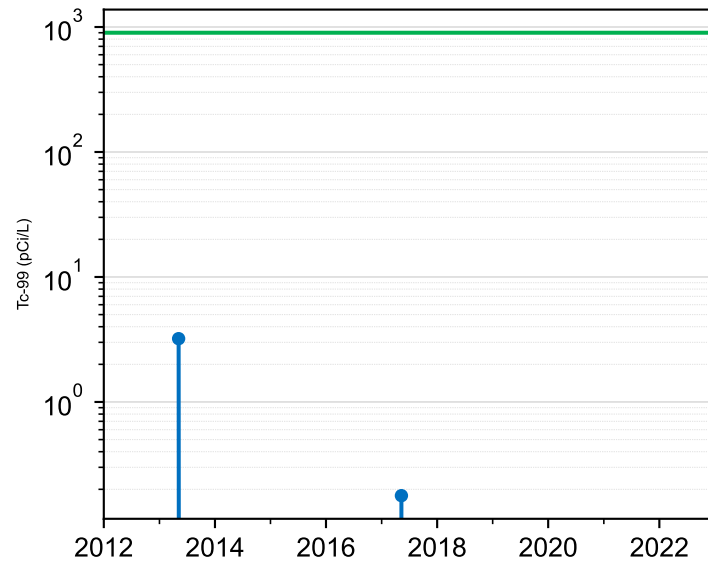
Technetium-99



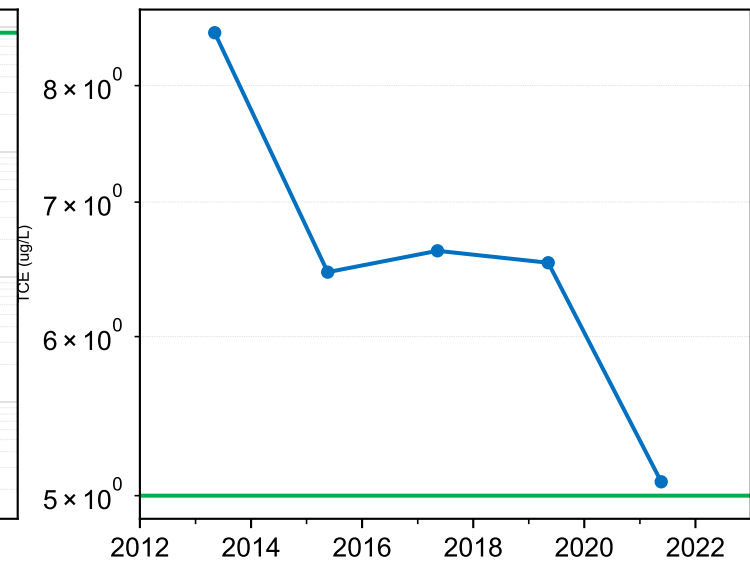
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/07/2013	3.21 U	8.5 J
05/20/2015	-0.243 U	6.46
05/11/2017	0.178 U	6.62
05/09/2019		6.53
05/21/2021		5.08

Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

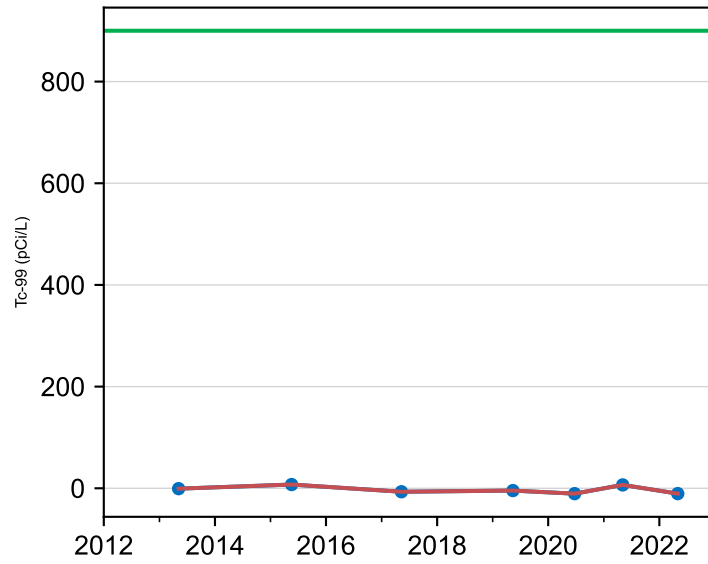
● Data
 — LOWESS
 — MCLs

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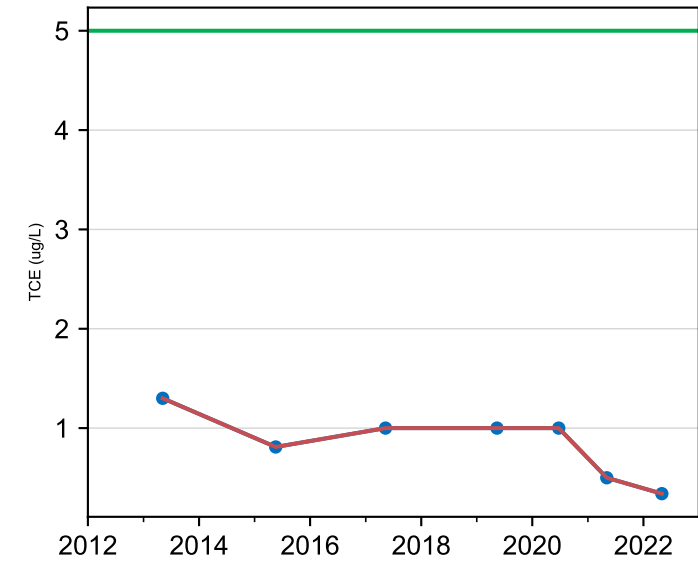
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 204. Tc-99 and TCE at MW487 (LRGA)

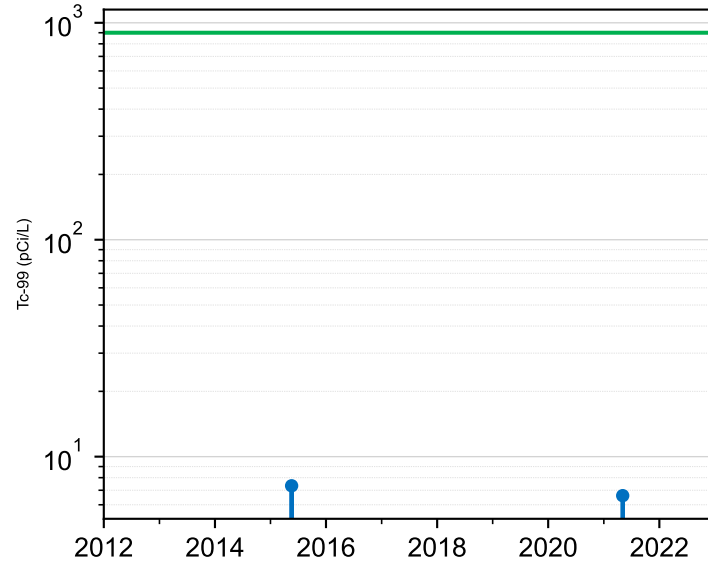
Technetium-99



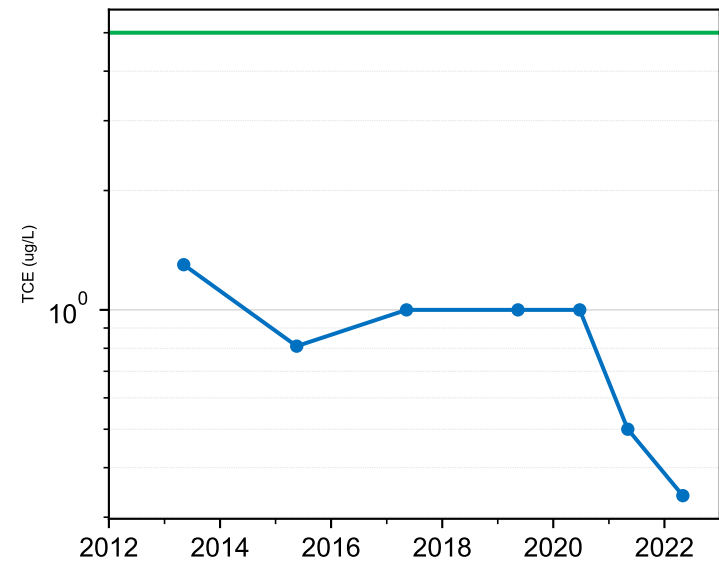
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/07/2013	-0.769 U	1.3 J
05/20/2015	7.34 U	0.81 J
05/11/2017	-6.83 U	1.0 U
05/14/2019	-4.52 U	1.0 U
06/23/2020	-10.6 U	1.0 U
05/05/2021	6.61 U	0.5 J
05/02/2022	-10.5 U	0.34 J

- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

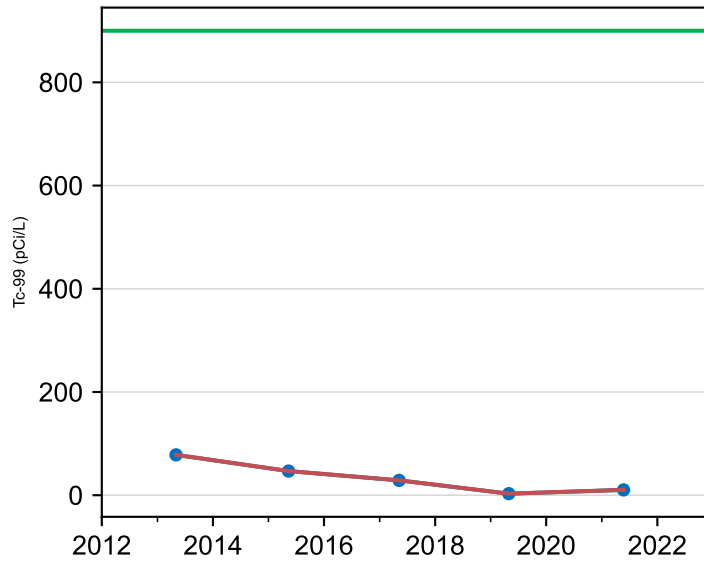
● Data
— LOWESS
— MCLs

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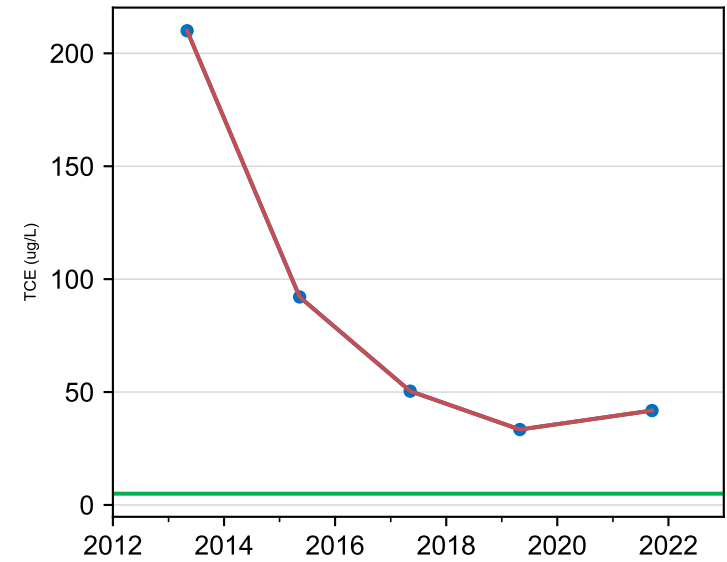
FOUR RIVERS
NUCLEAR PARTNERSHIP, LLC

Figure 205. Tc-99 and TCE at MW488 (MRGA)

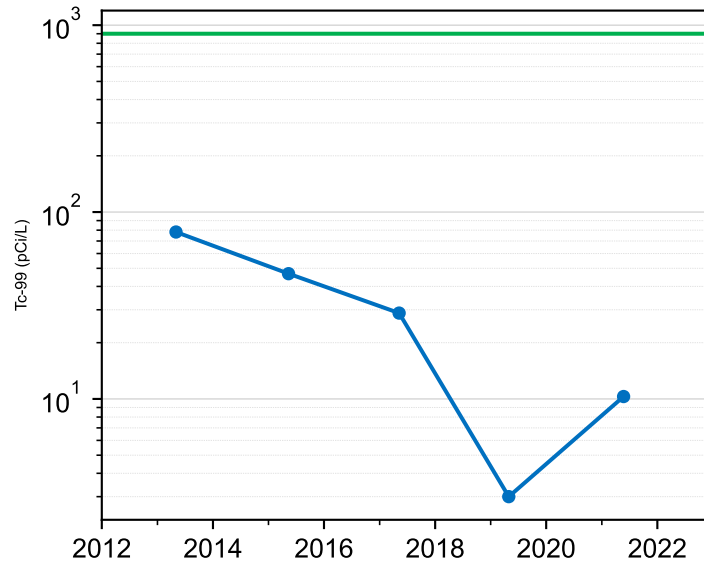
Technetium-99



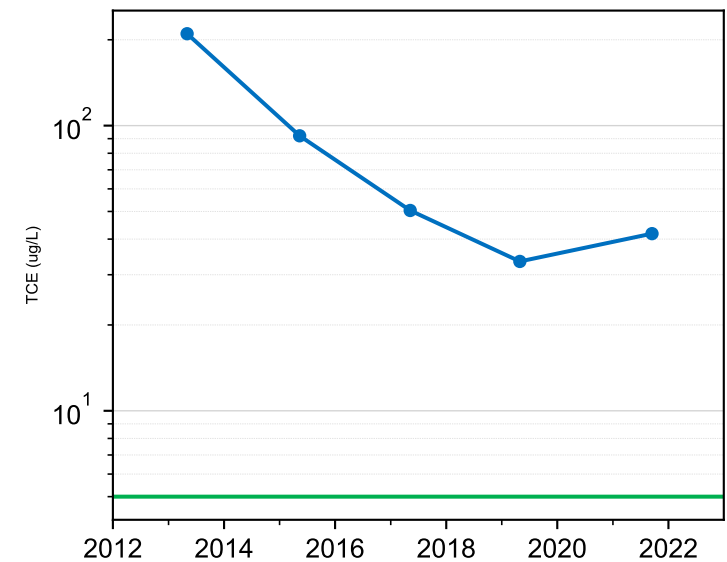
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/03/2013	78.2	210.0 J
05/13/2015	46.8	92.1
05/09/2017	28.8	50.4
04/30/2019	3.0 U	33.4
05/24/2021	10.3 U	
09/15/2021		41.8

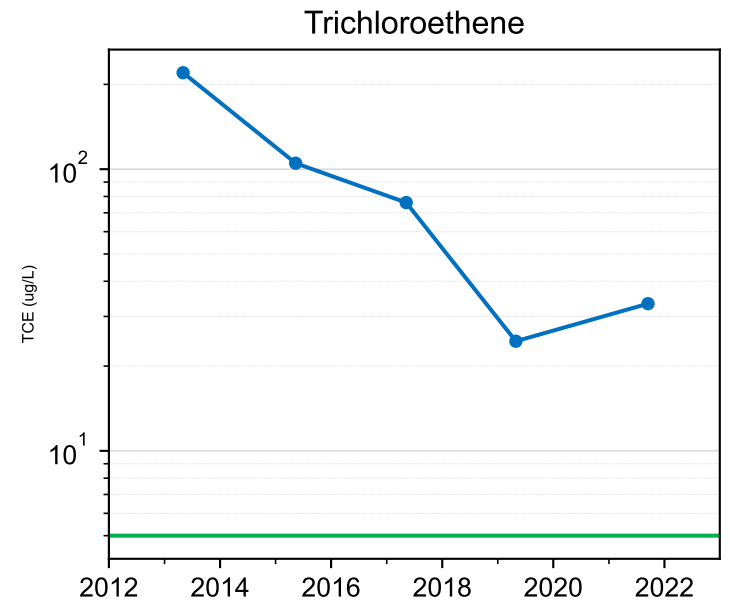
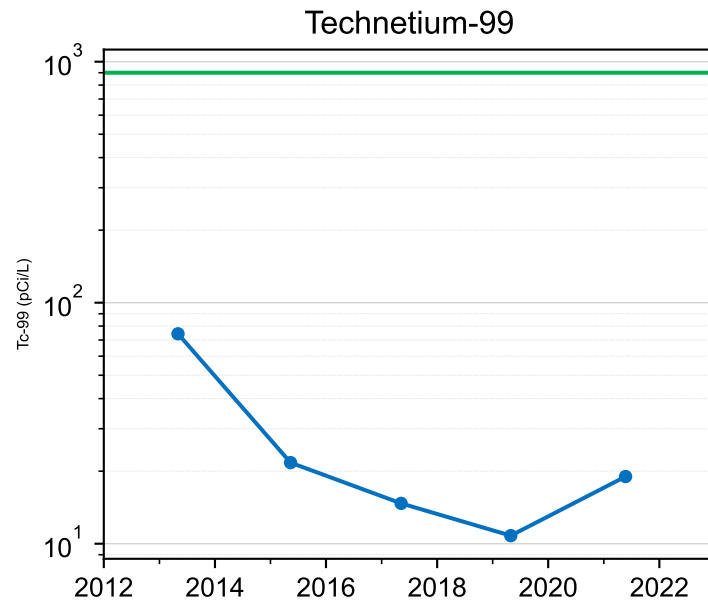
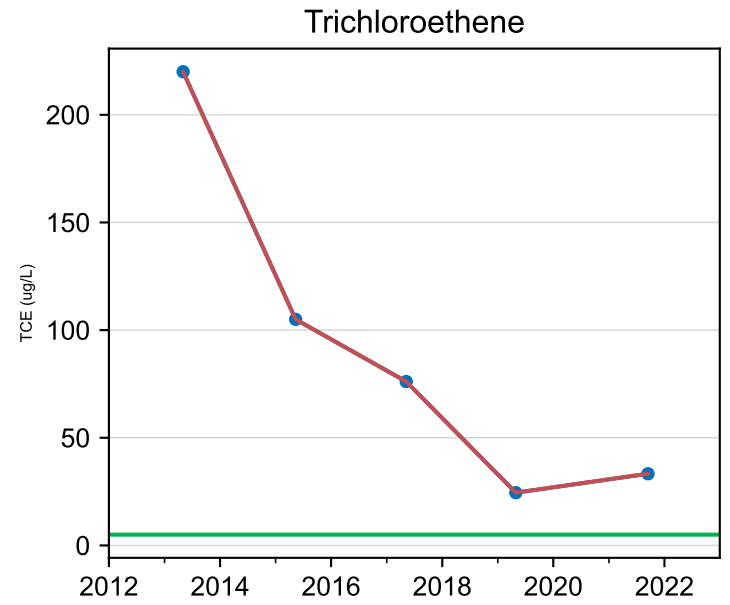
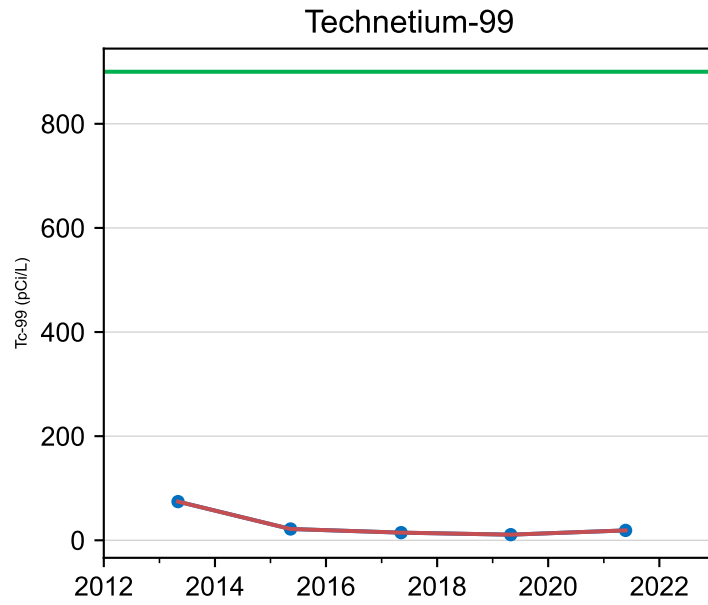
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 206. Tc-99 and TCE at MW489 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/03/2013	74.3	220.0 J
05/13/2015	21.7 U	105.0
05/09/2017	14.7 U	76.1
04/30/2019	10.8 U	24.5
05/24/2021	19.0 U	
09/15/2021		33.3



Notes:

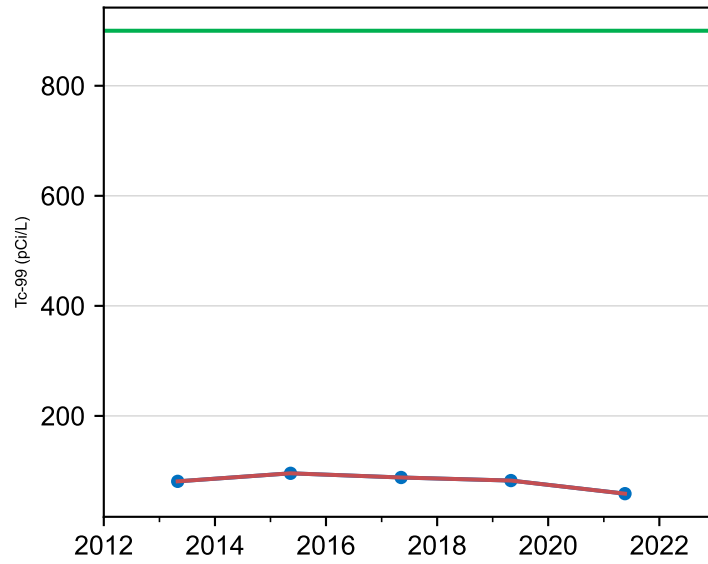
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

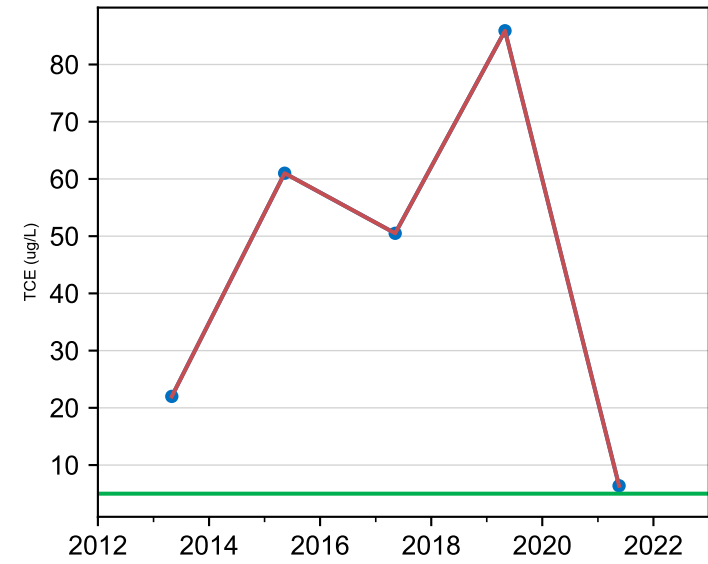
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Figure 207. Tc-99 and TCE at MW490 (LRGA)

Technetium-99

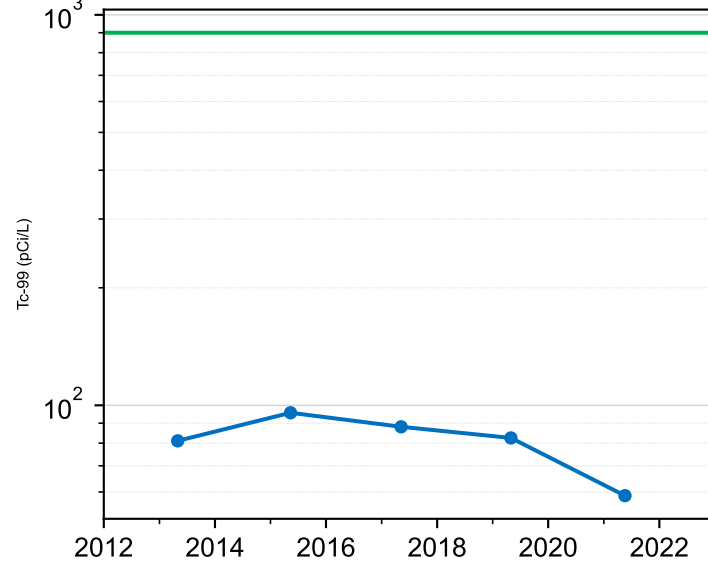


Trichloroethene

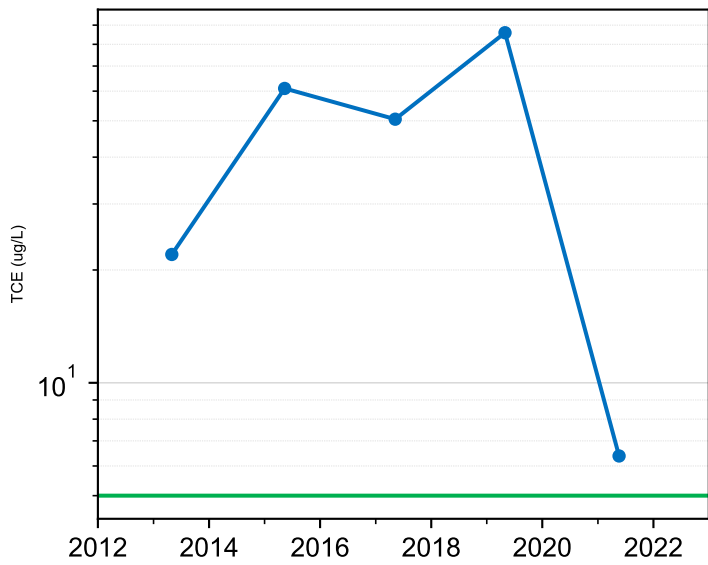


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/01/2013	81.1	22.0 J
05/13/2015	95.7	61.0
05/09/2017	88.1	50.5
05/01/2019	82.5	85.9
05/20/2021	58.7	6.38

Technetium-99



Trichloroethene



Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

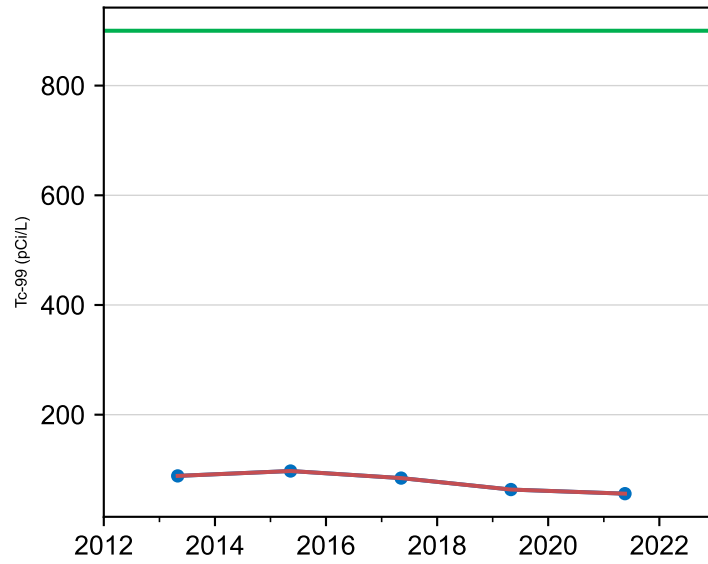
● Data
 — LOWESS
 — MCLs

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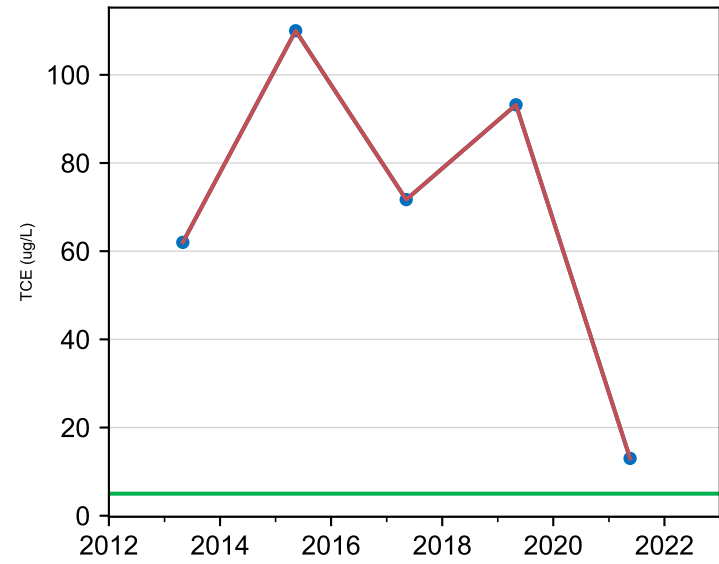
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 208. Tc-99 and TCE at MW491 (URGA)

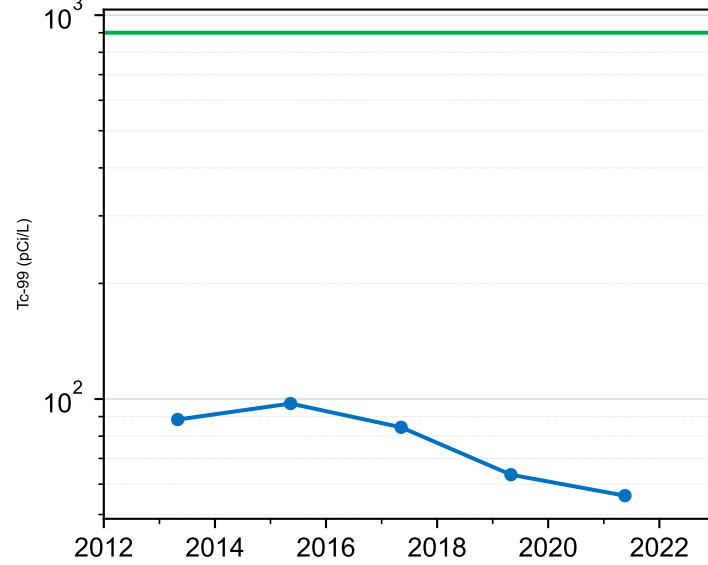
Technetium-99



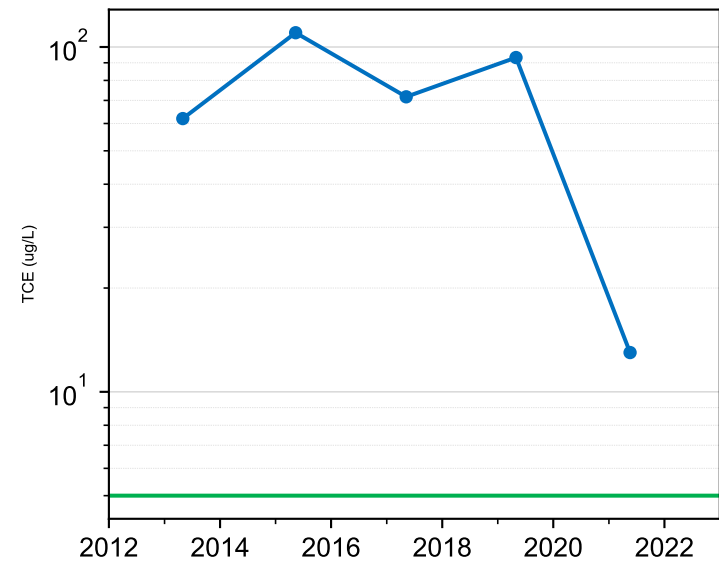
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/01/2013	88.4	62.0
05/13/2015	97.3	110.0
05/09/2017	84.4	71.7
05/01/2019	63.5	93.2
05/20/2021	56.0	13.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

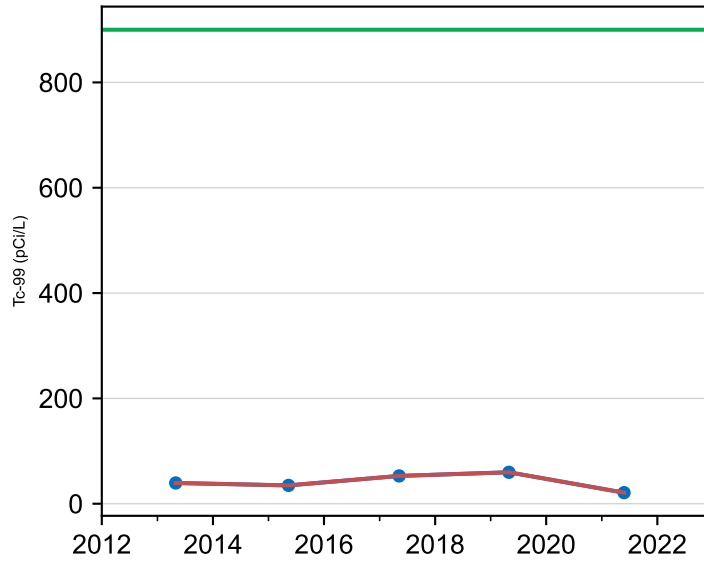
● Data
 — LOWESS
 — MCLs

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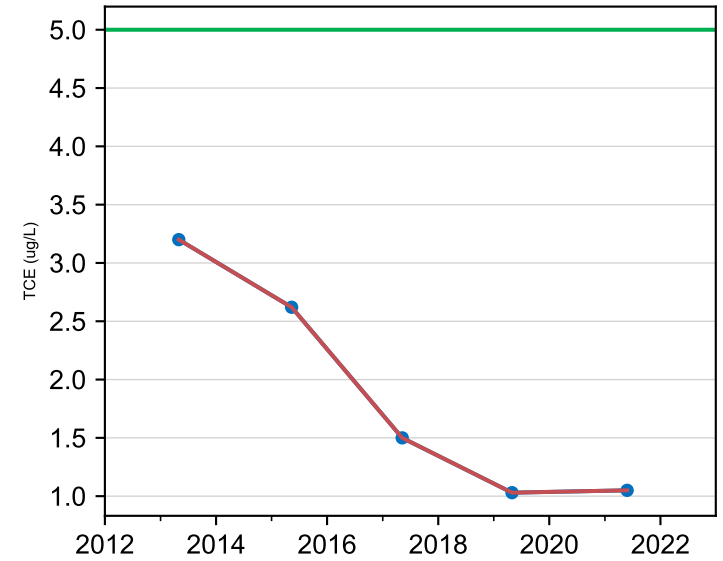
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 209. Tc-99 and TCE at MW492 (LRGA)

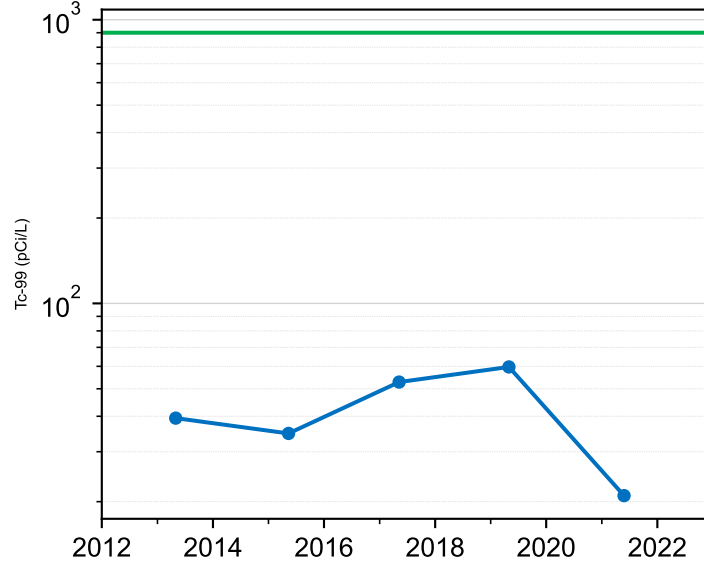
Technetium-99



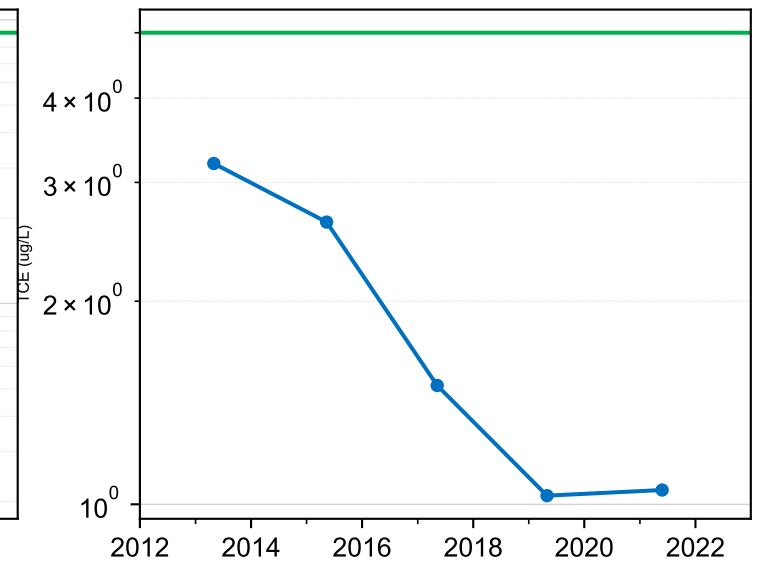
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/01/2013	39.4	3.2
05/13/2015	34.8	2.62
05/09/2017	52.8	1.5
05/01/2019	59.7	1.03
05/27/2021	21.0 U	1.05 J

Notes:
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 2. J = Concentration is estimated.
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

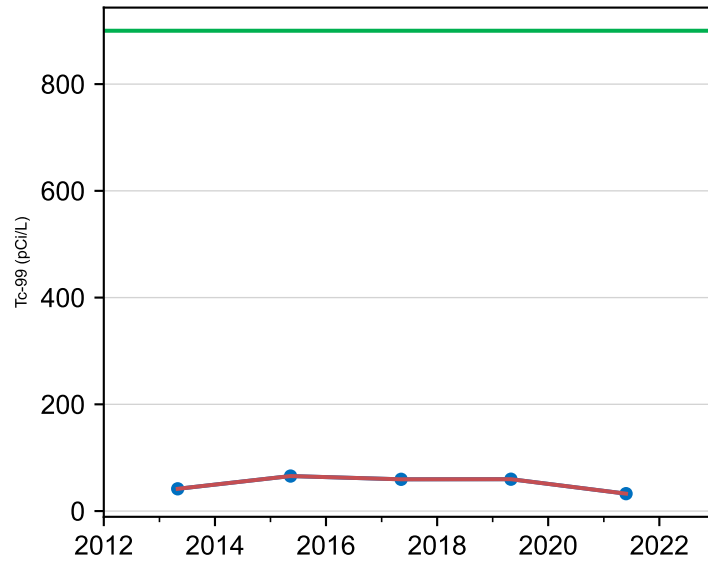
● Data
 — LOWESS
 — MCLs

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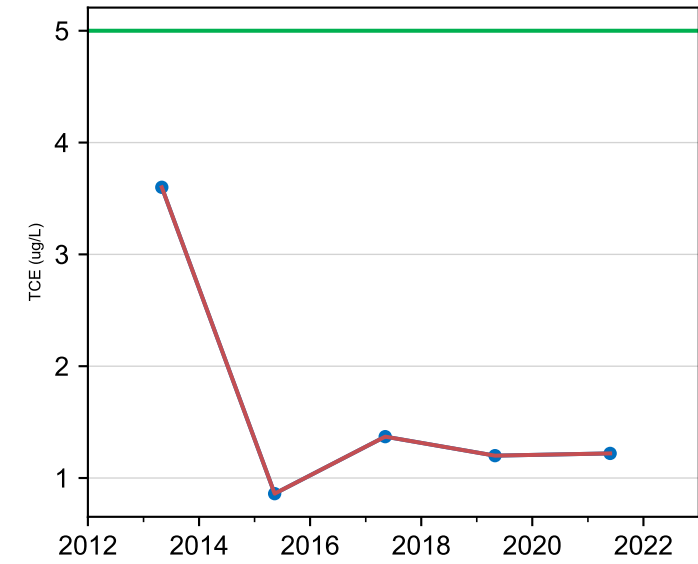
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 210. Tc-99 and TCE at MW493 (URGA)

Technetium-99

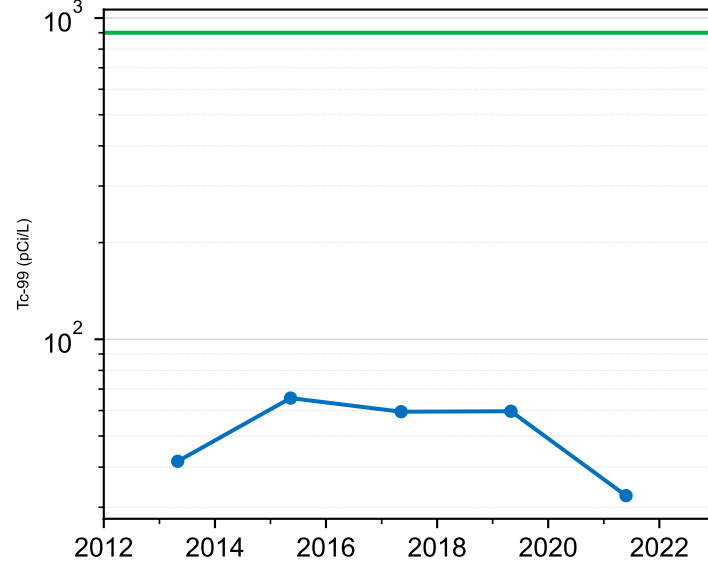


Trichloroethene

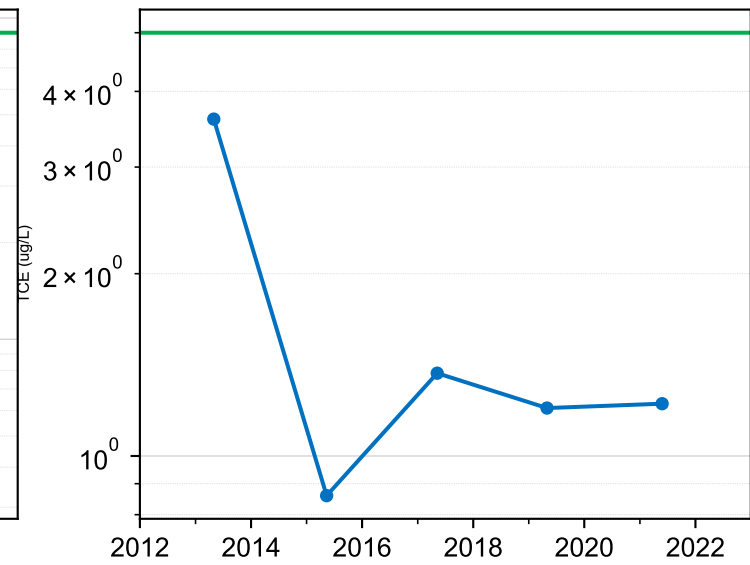


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/01/2013	41.7	3.6
05/13/2015	65.6	0.86 J
05/09/2017	59.5	1.37
05/01/2019	59.7	1.2
05/27/2021	32.6	1.22 J

Technetium-99



Trichloroethene



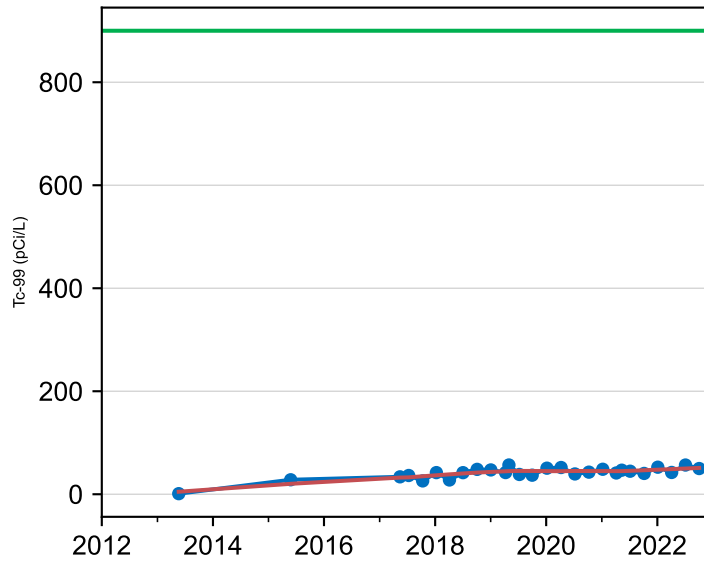
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

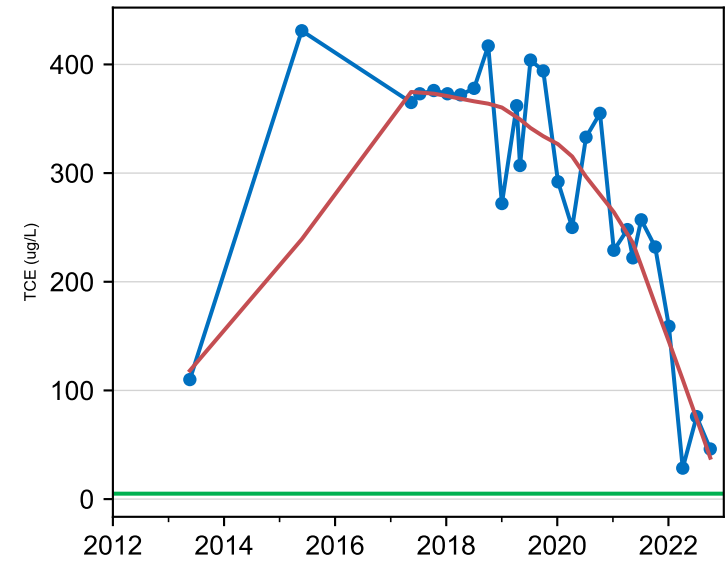
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Figure 211. Tc-99 and TCE at MW494 (MRGA)

Technetium-99

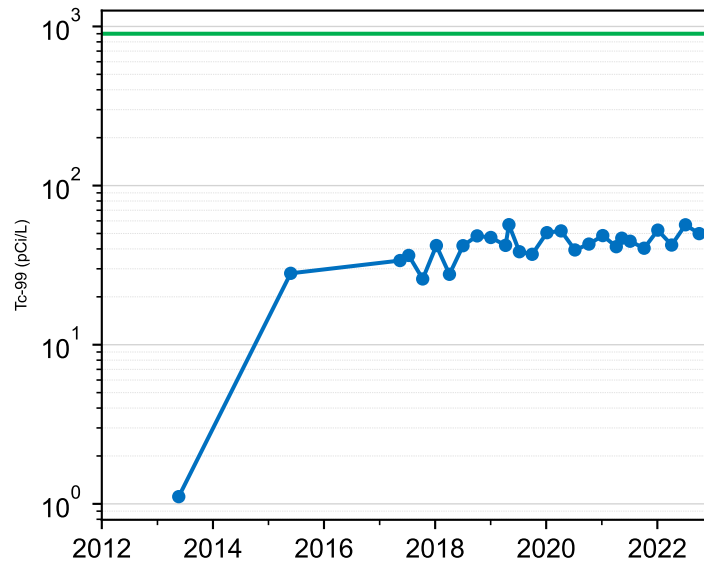


Trichloroethene

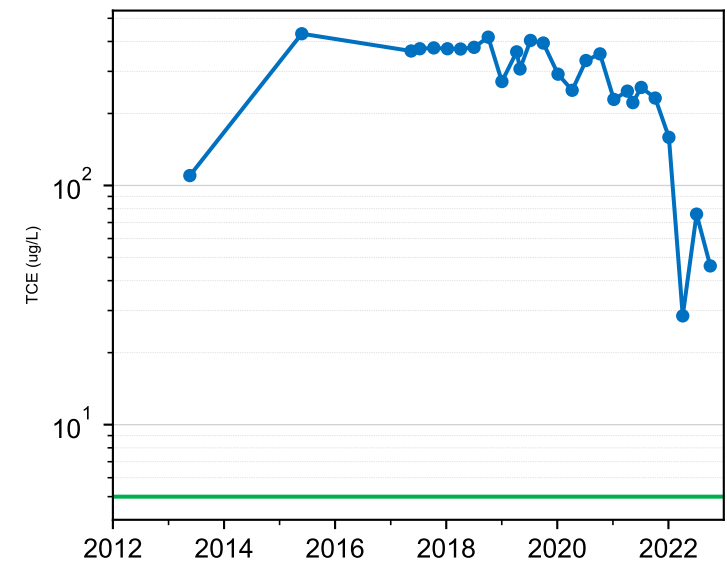


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/21/2013	1.11 U	110.0
05/27/2015	28.1	431.0
05/15/2017	33.8	365.0
07/11/2017	36.4	373.0
10/11/2017	25.9	376.0
01/09/2018	42.0	373.0
04/05/2018	27.7	372.0 J
07/03/2018	41.9	378.0
10/04/2018	48.3	417.0
01/02/2019	47.2	272.0
04/09/2019	42.1	362.0
05/01/2019	56.8	307.0
07/09/2019	38.4	404.0
10/01/2019	37.0	394.0
01/06/2020	50.6	292.0
04/08/2020	51.9	250.0
07/08/2020	39.4	333.0
10/08/2020	42.9	355.0
01/07/2021	48.5	229.0 J
04/06/2021	41.3	248.0
05/12/2021	46.7	222.0
07/06/2021	44.7	257.0
10/06/2021	40.4	232.0
01/04/2022	52.5	159.0
04/05/2022	42.3	28.5
07/05/2022	56.7	75.9
10/03/2022	49.9	46.1

Technetium-99



Trichloroethene



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

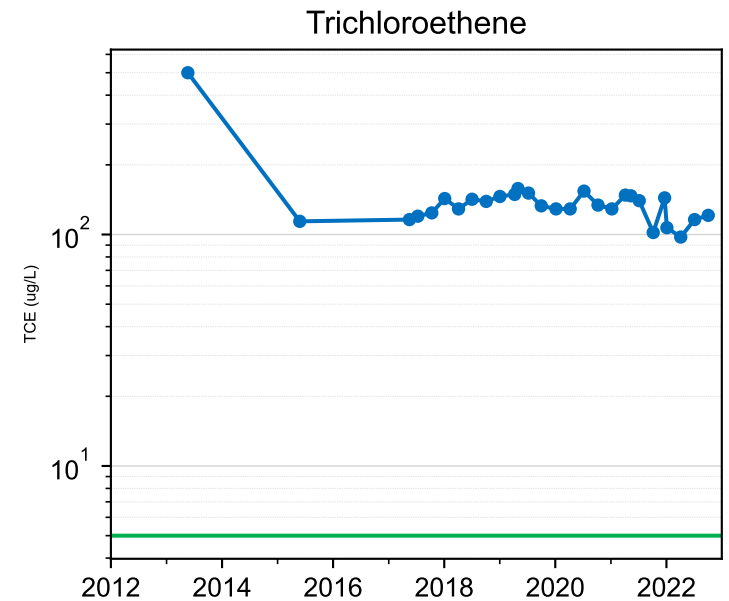
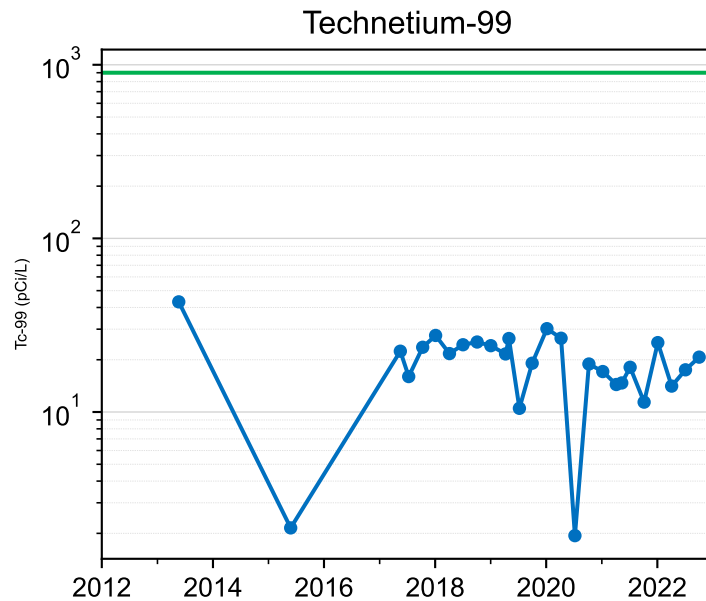
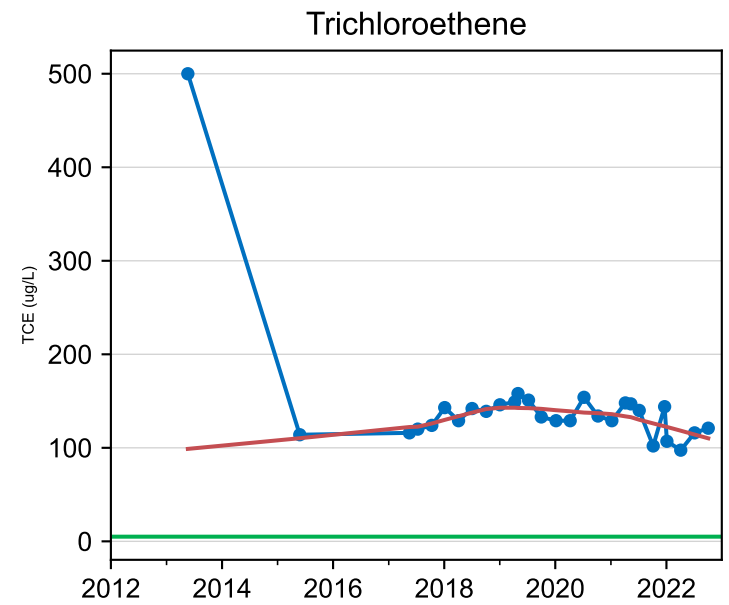
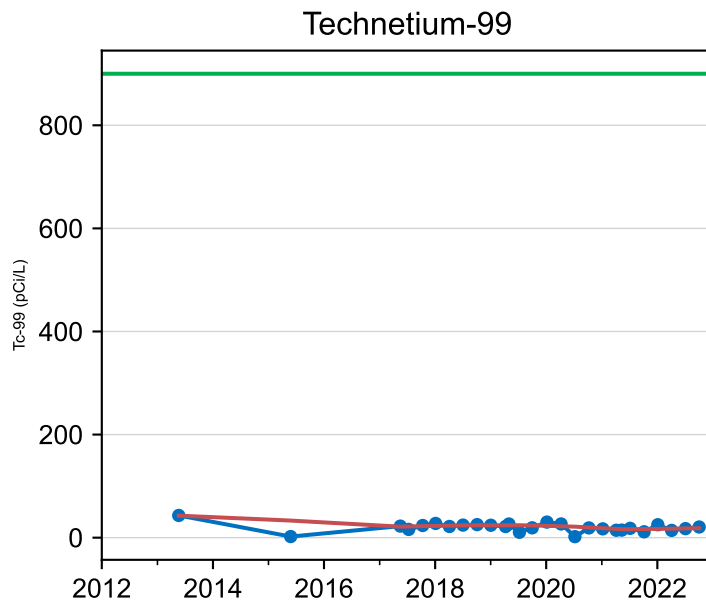
● Data
— LOWESS
— MCLs

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Figure 212. Tc-99 and TCE at MW495 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/21/2013	43.1	500.0
05/27/2015	2.15 U	114.0
05/17/2017	22.4	116.0
07/11/2017	16.0	120.0
10/11/2017	23.6	124.0
01/04/2018	27.6	143.0
04/05/2018	21.7	129.0
07/03/2018	24.4	142.0
10/04/2018	25.3	139.0
01/02/2019	24.1	146.0
04/09/2019	21.6	149.0
05/01/2019	26.5	158.0
07/09/2019	10.5 U	151.0
10/01/2019	19.1	133.0
01/06/2020	30.2	129.0
04/08/2020	26.6	129.0
07/08/2020	1.94 U	154.0
10/08/2020	18.9	134.0
01/07/2021	17.1	129.0 J
04/06/2021	14.4	148.0
05/12/2021	14.7 U	147.0
07/06/2021	18.1	140.0
10/06/2021	11.4	102.0
12/20/2021		144.0
01/04/2022	25.1	107.0
04/05/2022	14.1	97.5
07/05/2022	17.5	116.0
10/03/2022	20.7	121.0



- Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

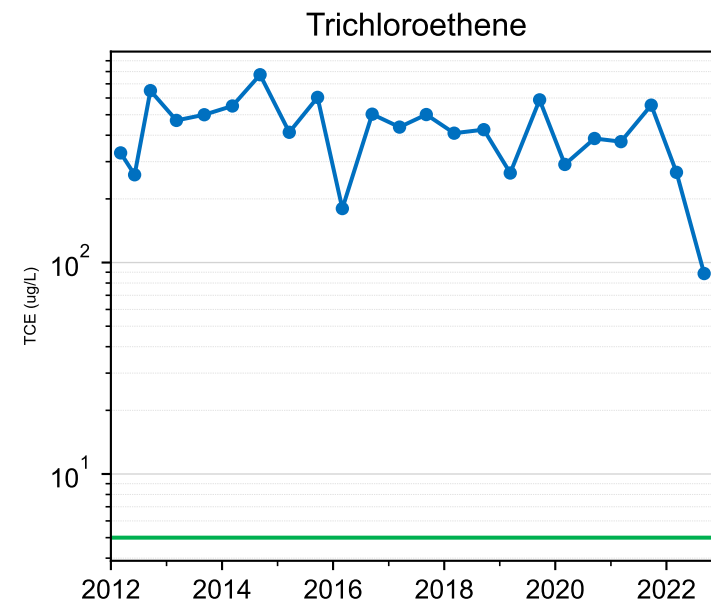
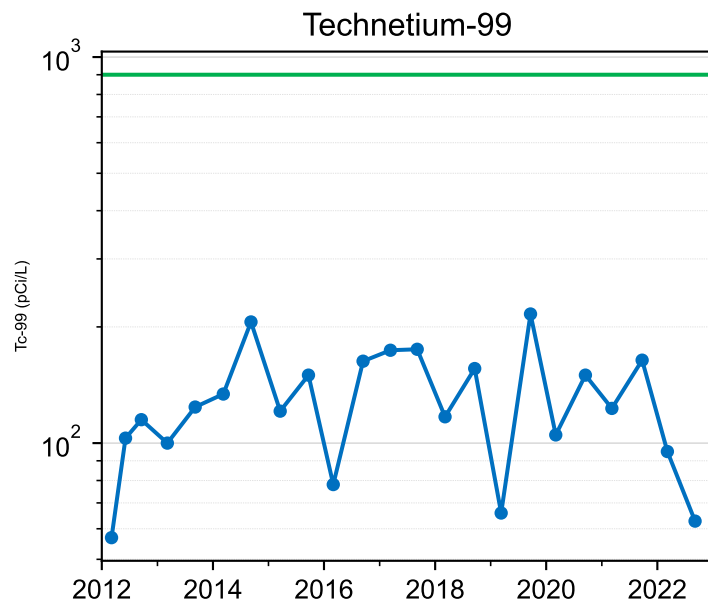
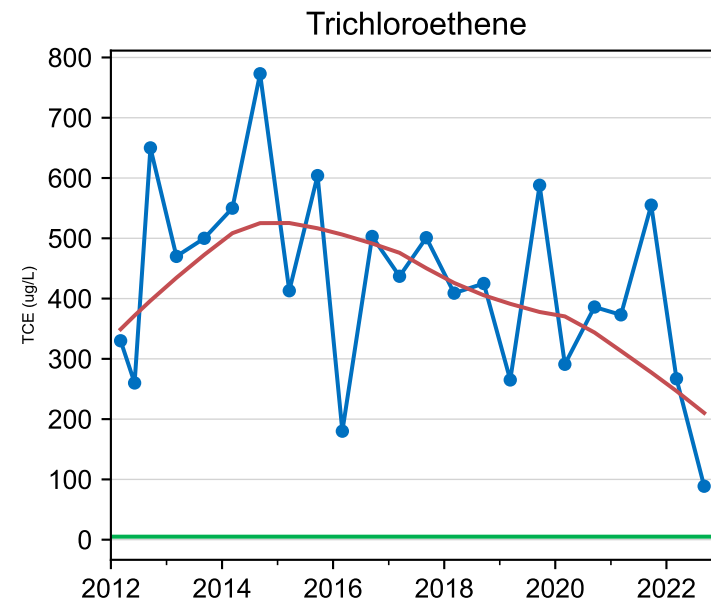
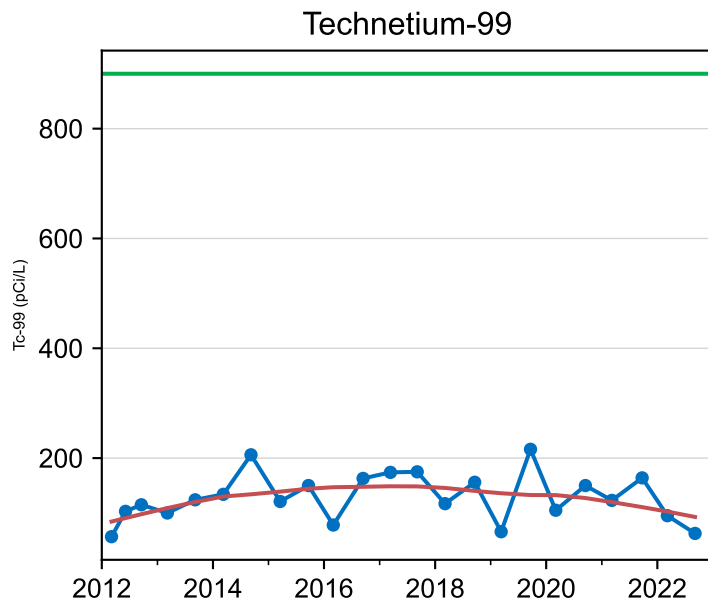
● Data — LOWESS
— MCLs

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Figure 213. Tc-99 and TCE at MW496 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/05/2012	56.9	330.0
06/05/2012	103.0	260.0
09/17/2012	115.0	650.0
03/07/2013	100.0	470.0
09/08/2013	124.0	500.0 J
03/10/2014	134.0	550.0
09/08/2014	206.0	773.0
03/19/2015	121.0	413.0
09/21/2015	150.0	604.0
03/02/2016	78.1	180.0
09/14/2016	163.0	503.0
03/13/2017	174.0	437.0
09/05/2017	175.0	501.0
03/07/2018	117.0	409.0
09/18/2018	156.0	425.0
03/11/2019	65.9	265.0
09/20/2019	216.0	588.0
03/04/2020	105.0	291.0
09/15/2020	150.0	386.0
03/08/2021	123.0	373.0
09/23/2021	164.0	555.0
03/08/2022	95.1	267.0
09/06/2022	62.8	88.7



- Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

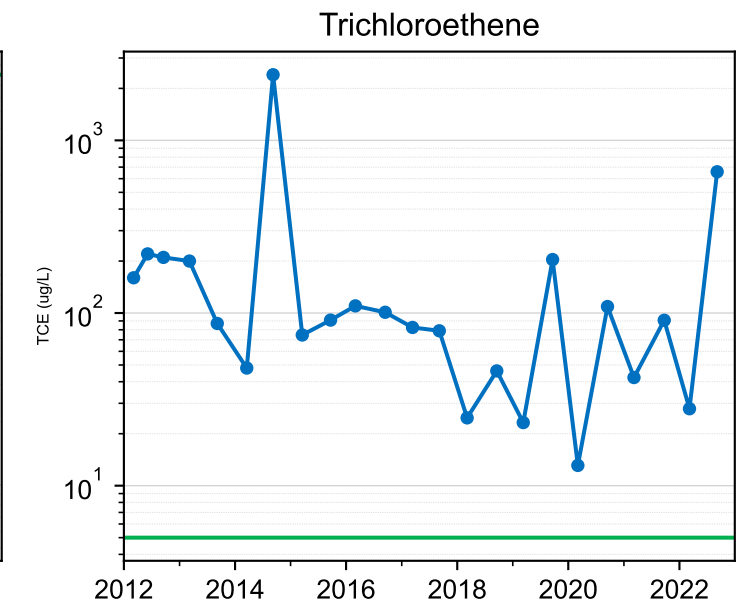
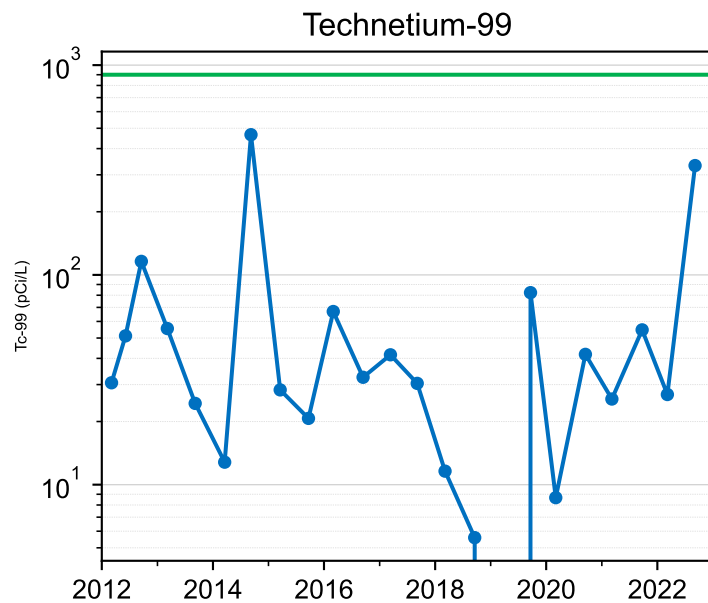
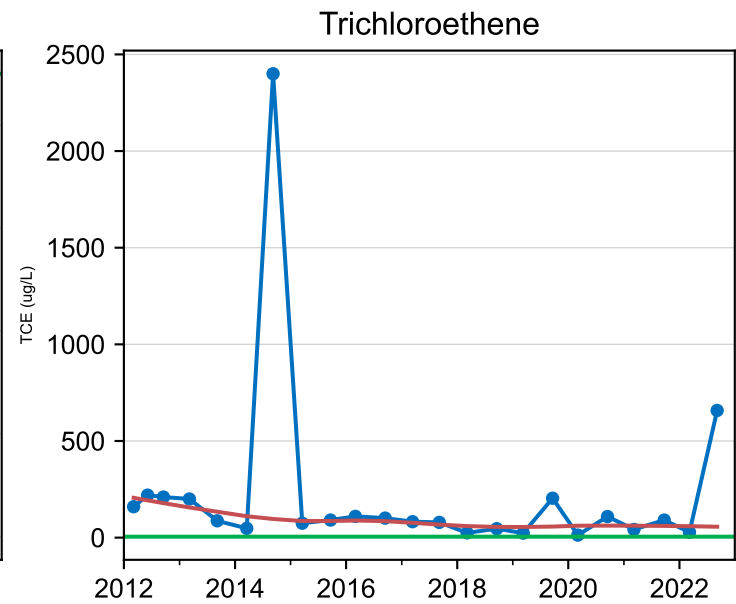
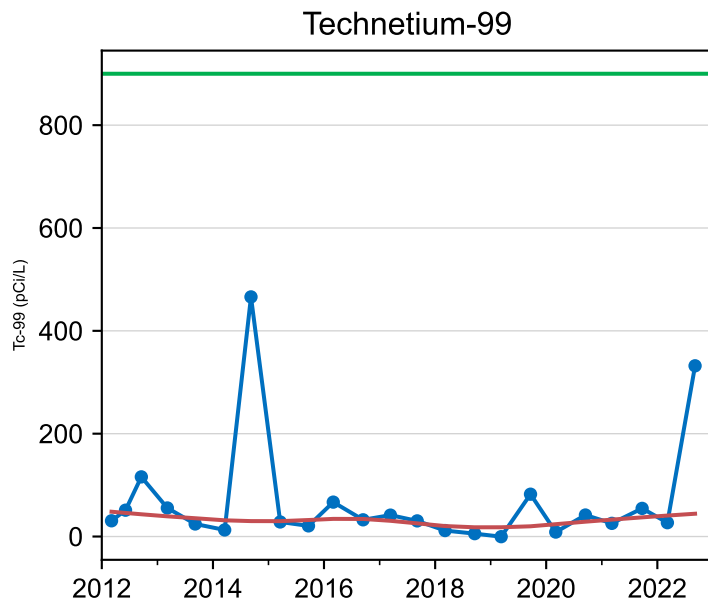
● Data — LOWESS
— MCLs

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Figure 214. Tc-99 and TCE at MW497 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/05/2012	30.6	160.0
06/05/2012	51.2	220.0
09/17/2012	116.0	210.0 J
03/07/2013	55.5	200.0
09/08/2013	24.4	87.0 J
03/19/2014	12.8 U	48.0
09/08/2014	466.0	2400.0
03/19/2015	28.3	74.6
09/21/2015	20.7	91.0
03/02/2016	66.9	110.0
09/14/2016	32.5	101.0
03/13/2017	41.6	82.5
09/05/2017	30.4	78.9
03/07/2018	11.6 U	24.7
09/18/2018	5.59 U	46.2
03/11/2019	-0.286 U	23.2
09/20/2019	82.3	204.0
03/04/2020	8.67 U	13.1
09/15/2020	41.8	109.0
03/08/2021	25.6	42.3
09/23/2021	54.7	90.8
03/08/2022	26.9	27.9
09/06/2022	332.0	658.0



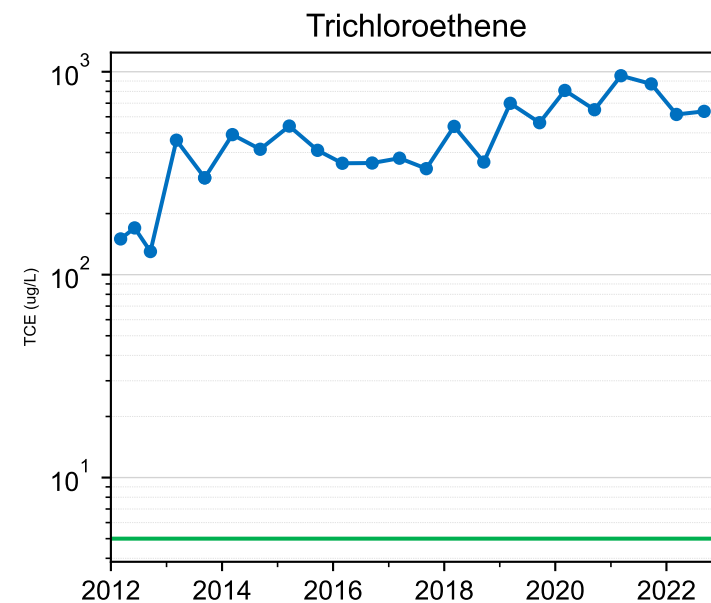
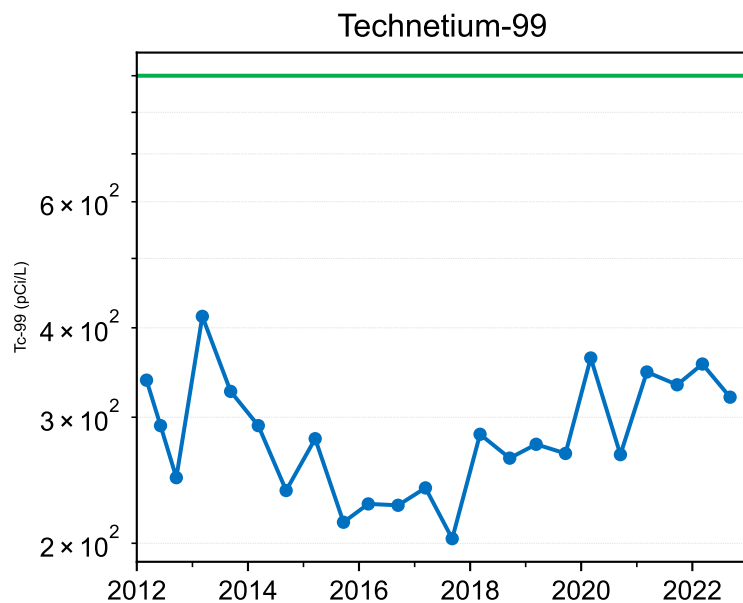
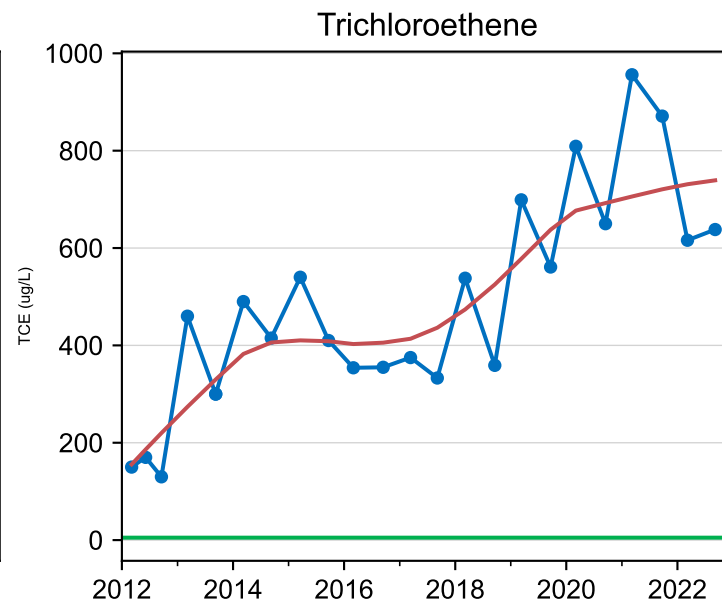
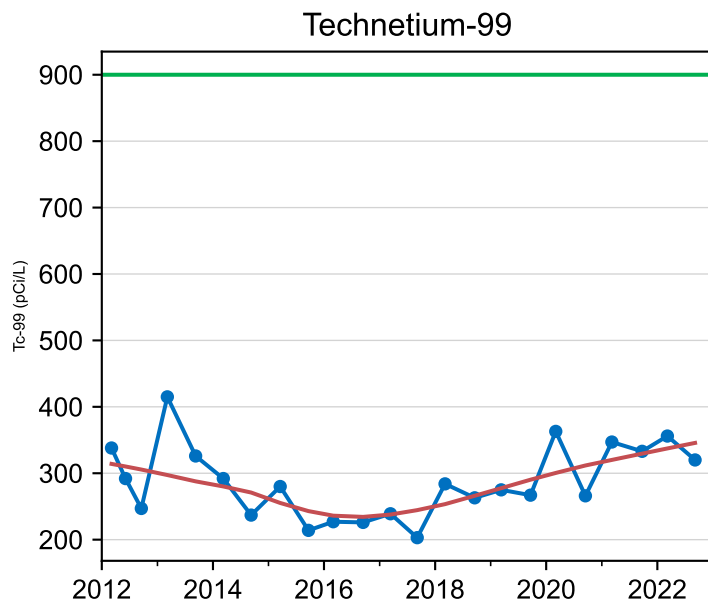
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 215. Tc-99 and TCE at MW498 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/05/2012	338.0	150.0
06/05/2012	292.0	170.0
09/17/2012	247.0	130.0 J
03/07/2013	415.0	460.0
09/09/2013	326.0	300.0 J
03/10/2014	292.0	490.0
09/09/2014	237.0	415.0
03/19/2015	280.0	540.0
09/21/2015	214.0	410.0
03/02/2016	227.0	354.0
09/14/2016	226.0	355.0
03/13/2017	239.0	375.0
09/05/2017	203.0	333.0
03/07/2018	284.0	538.0
09/18/2018	263.0	359.0
03/11/2019	275.0	699.0
09/20/2019	267.0	561.0
03/04/2020	363.0	809.0
09/15/2020	266.0	650.0
03/08/2021	347.0	956.0
09/23/2021	333.0	871.0
03/08/2022	356.0	616.0
09/06/2022	320.0	638.0



- Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

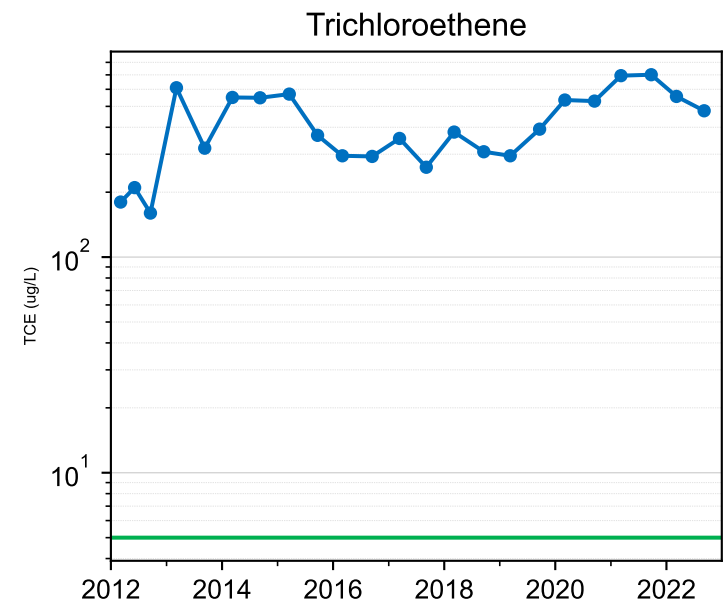
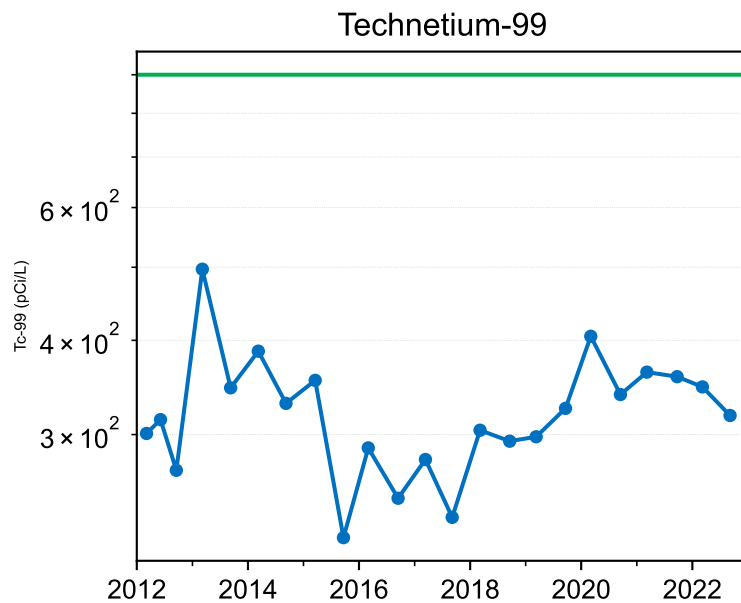
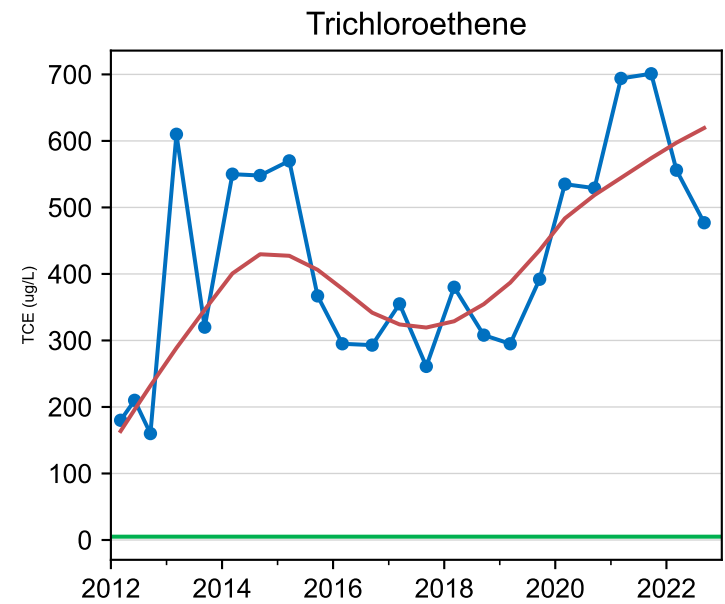
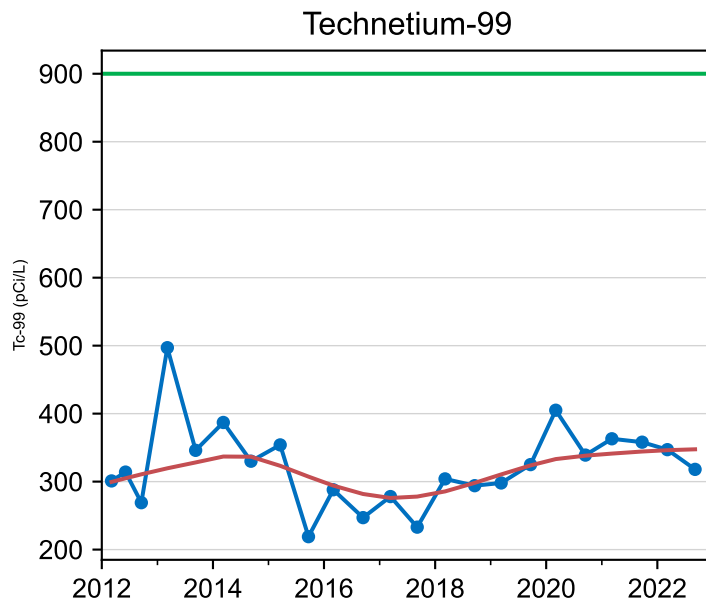
● Data — LOWESS
— MCLs

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Figure 216. Tc-99 and TCE at MW499 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/05/2012	301.0	180.0
06/05/2012	314.0	210.0
09/17/2012	269.0	160.0 J
03/07/2013	497.0	610.0
09/09/2013	346.0	320.0 J
03/10/2014	387.0	550.0
09/08/2014	330.0	548.0
03/19/2015	354.0	570.0
09/21/2015	219.0	367.0
03/02/2016	288.0	295.0
09/14/2016	247.0	293.0
03/13/2017	278.0	355.0
09/05/2017	233.0	261.0
03/07/2018	304.0	380.0
09/18/2018	294.0	308.0
03/11/2019	298.0	295.0
09/20/2019	325.0	392.0
03/04/2020	405.0	535.0
09/15/2020	339.0	529.0
03/08/2021	363.0	694.0
09/23/2021	358.0	701.0
03/08/2022	347.0	556.0
09/06/2022	318.0	477.0



- Notes:
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 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

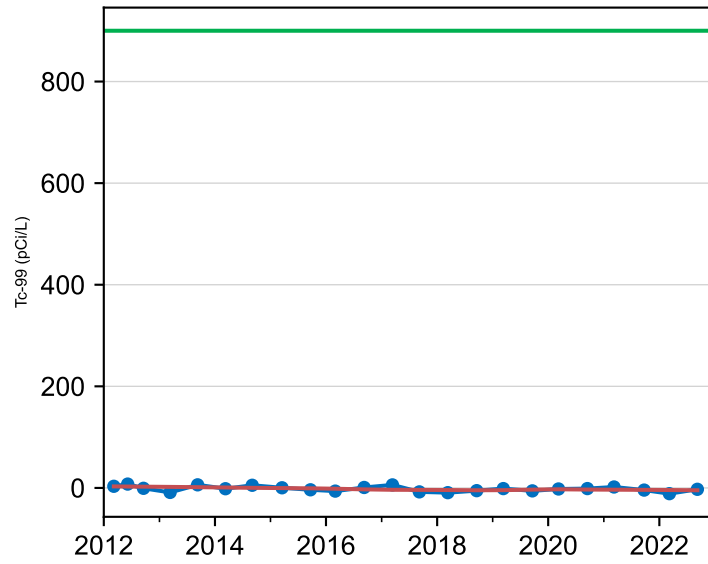
● Data — LOWESS
— MCLs

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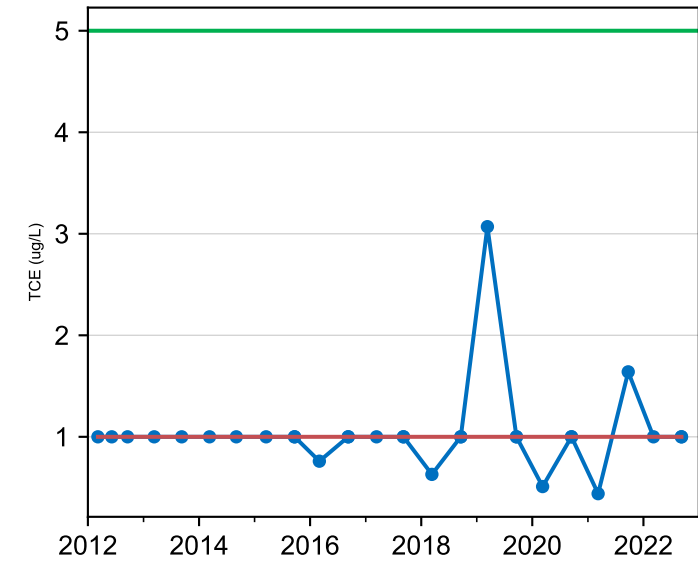
FOUR RIVERS
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Figure 217. Tc-99 and TCE at MW500 (LRGA)

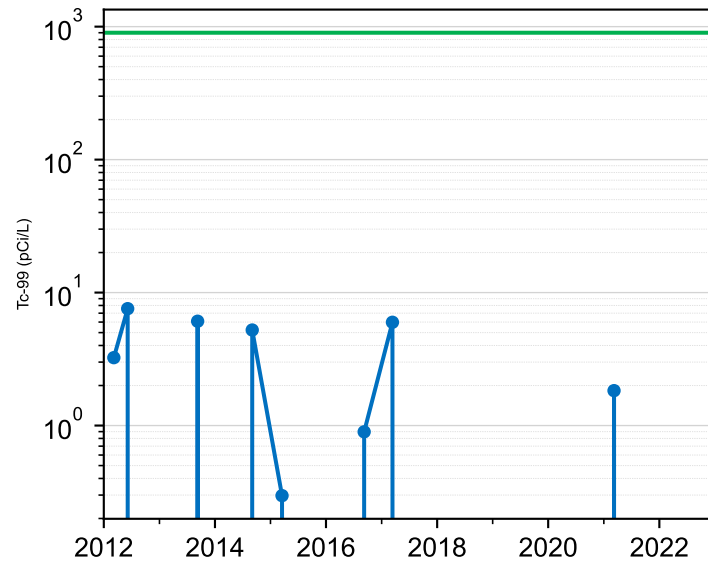
Technetium-99



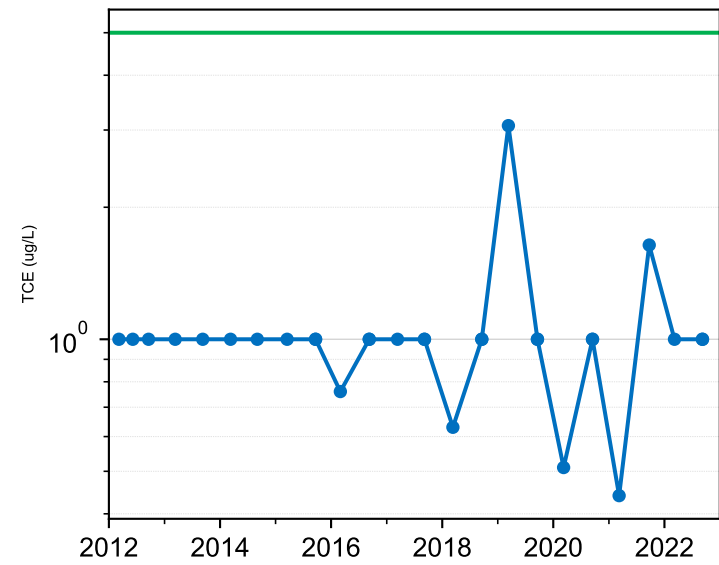
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/07/2012	3.24 U	1.0 U
06/06/2012	7.57 U	1.0 U
09/18/2012	-0.746 U	1.0 U
03/12/2013	-8.83 U	1.0 U
09/09/2013	6.09 U	1.0 UJ
03/11/2014	-1.57 U	1.0 U
09/03/2014	5.23 U	1.0 U
03/18/2015	0.297 U	1.0 U
09/21/2015	-3.67 U	1.0 U
03/02/2016	-6.27 U	0.76 J
09/08/2016	0.897 U	1.0 U
03/13/2017	5.98 U	1.0 U
09/06/2017	-7.78 U	1.0 U
03/12/2018	-9.32 U	0.63 J
09/18/2018	-5.38 U	1.0 U
03/12/2019	-1.32 U	3.07
09/19/2019	-5.79 U	1.0 U
03/09/2020	-2.07 U	0.51 J
09/15/2020	-1.29 U	1.0 U
03/09/2021	1.83 U	0.44 J
09/23/2021	-4.26 U	1.64
03/08/2022	-11.3 U	1.0 U
09/08/2022	-2.71 U	1.0 U

Notes:
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

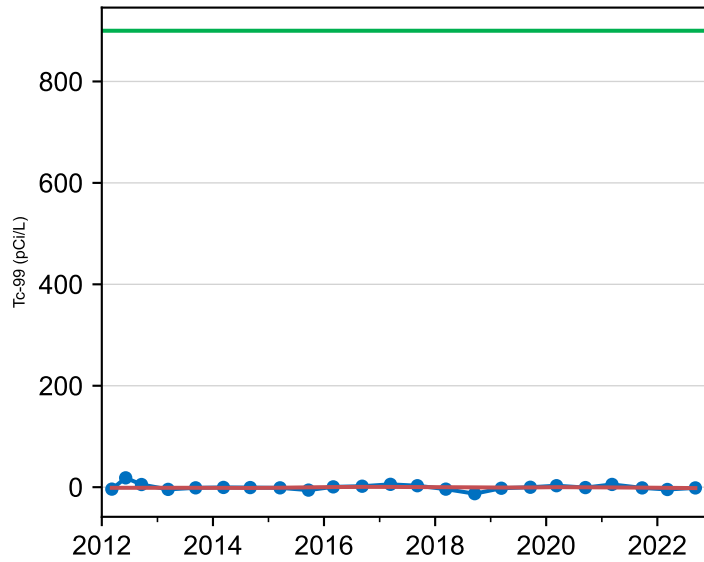
● Data
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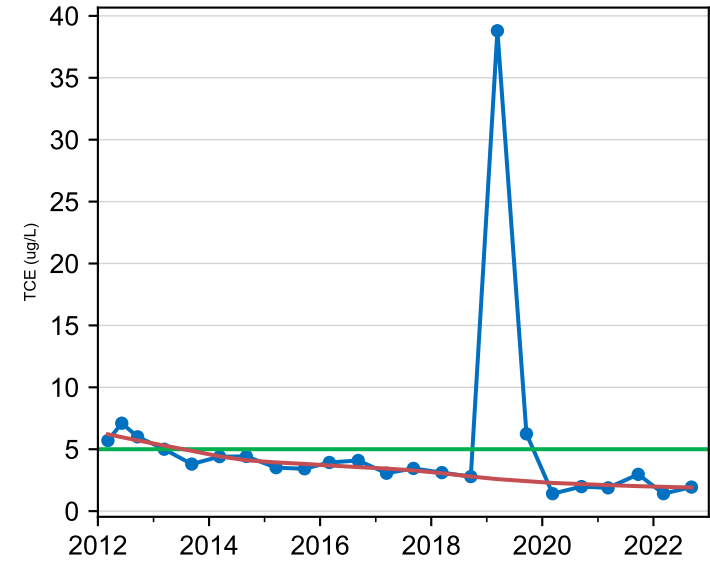
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Figure 218. Tc-99 and TCE at MW501 (MRGA)

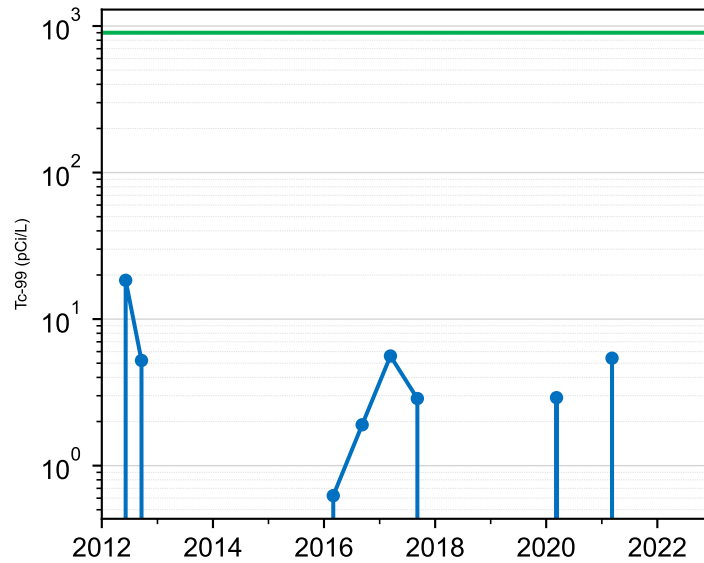
Technetium-99



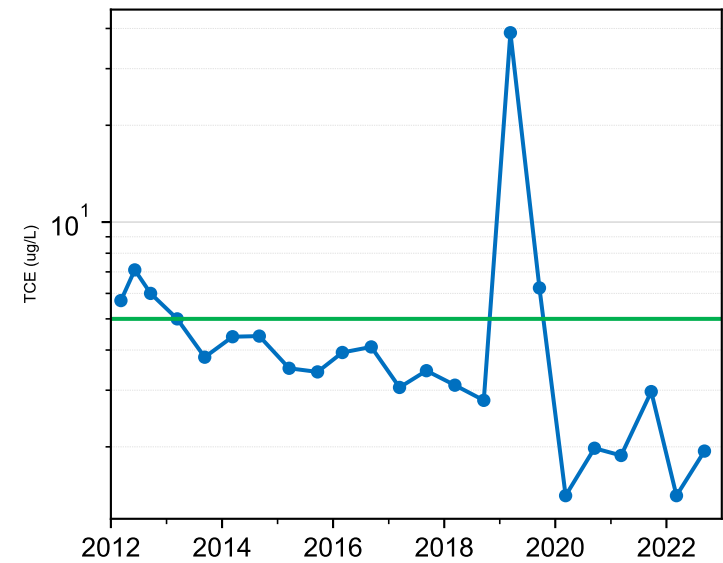
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/07/2012	-3.85 U	5.7
06/06/2012	18.4	7.1
09/18/2012	5.22 U	6.0
03/12/2013	-4.36 U	5.0
09/09/2013	-1.3 U	3.8 J
03/11/2014	-0.505 U	4.4
09/03/2014	-0.792 U	4.42
03/18/2015	-1.32 U	3.51
09/21/2015	-5.78 U	3.42
03/02/2016	0.624 U	3.93
09/08/2016	1.9 U	4.09
03/13/2017	5.6 U	3.06
09/06/2017	2.87 U	3.45
03/12/2018	-3.88 U	3.11
09/18/2018	-12.8 U	2.79
03/12/2019	-2.1 U	38.8
09/19/2019	-0.159 U	6.24
03/09/2020	2.91 U	1.41
09/15/2020	-0.796 U	1.98
03/09/2021	5.41 U	1.88
09/23/2021	-1.43 U	2.97
03/08/2022	-4.56 U	1.41
09/08/2022	-1.46 U	1.94

Notes:
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

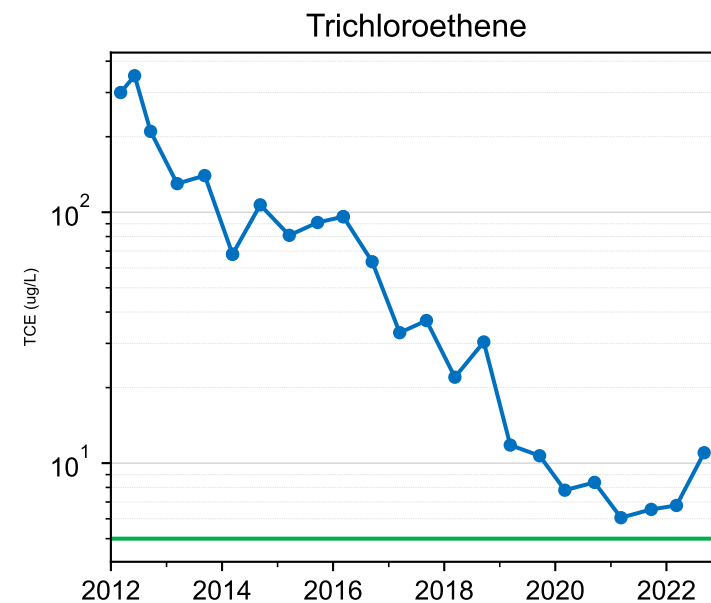
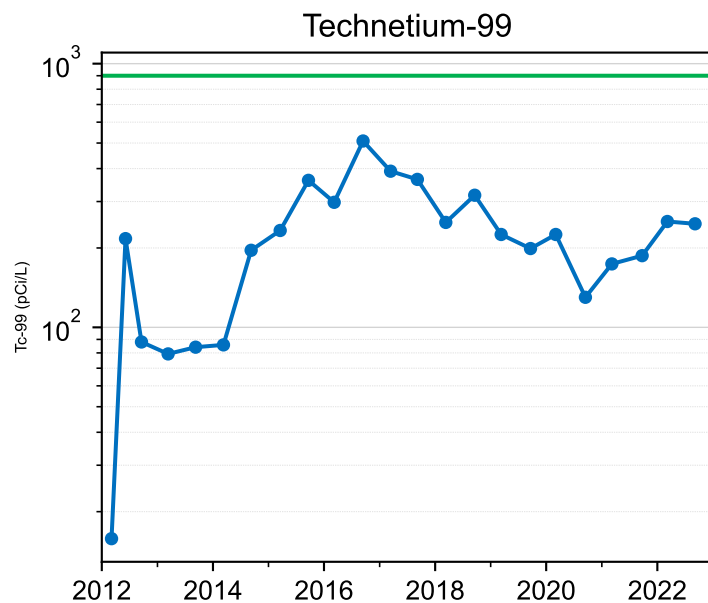
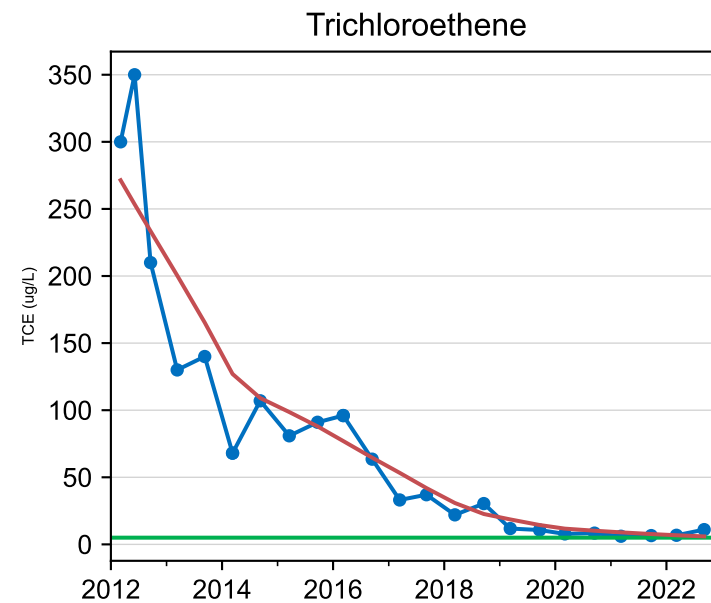
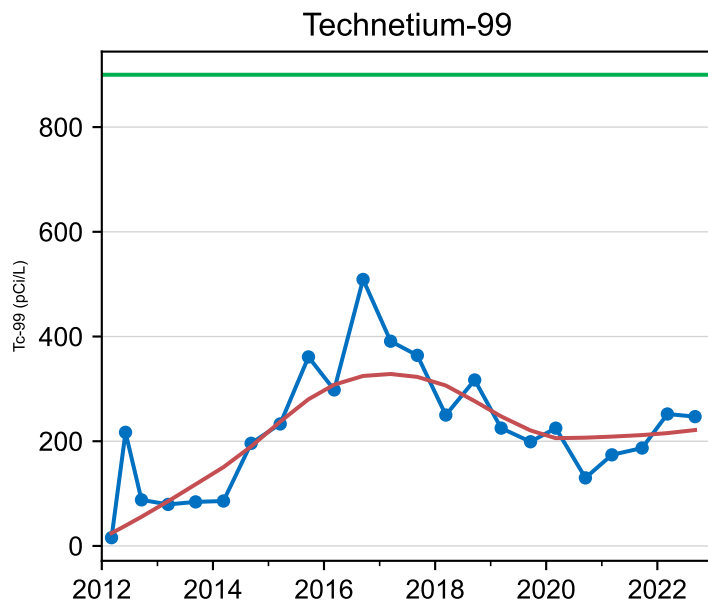
● Data
 — LOWESS
 — MCLs

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Figure 219. Tc-99 and TCE at MW502 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/05/2012	15.8 U	300.0
06/05/2012	217.0	350.0
09/18/2012	88.0	210.0
03/12/2013	79.3	130.0
09/09/2013	84.1	140.0 J
03/11/2014	85.8	68.0
09/09/2014	196.0	107.0
03/19/2015	233.0	80.9
09/21/2015	361.0	91.0
03/08/2016	298.0	96.0
09/14/2016	509.0	63.5
03/14/2017	391.0	33.1
09/06/2017	364.0	37.0
03/12/2018	250.0	22.0
09/18/2018	317.0	30.4
03/11/2019	225.0	11.8
09/20/2019	199.0	10.7
03/04/2020	225.0	7.8
09/15/2020	130.0	8.38
03/08/2021	174.0	6.06
09/23/2021	187.0	6.54
03/08/2022	252.0	6.78
09/06/2022	247.0	11.0



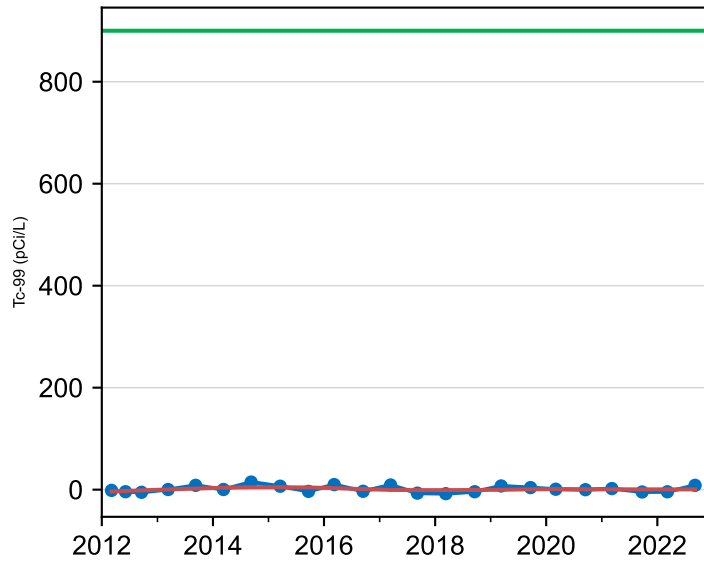
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

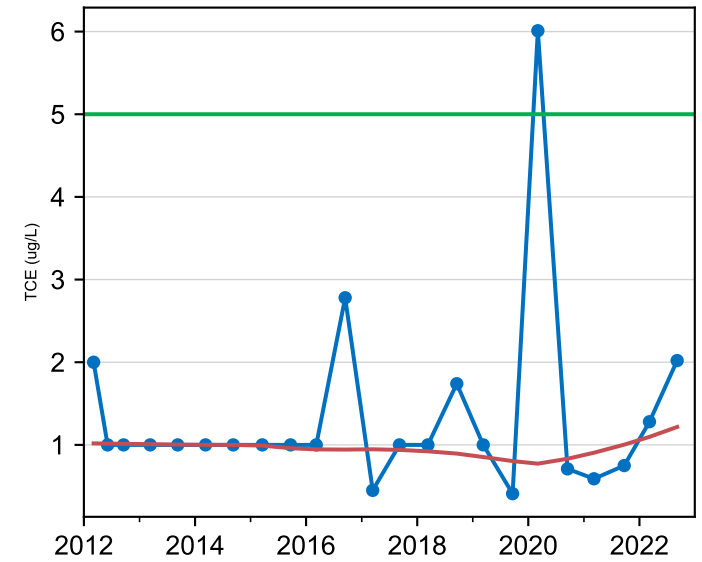
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Figure 220. Tc-99 and TCE at MW503 (LRGA)

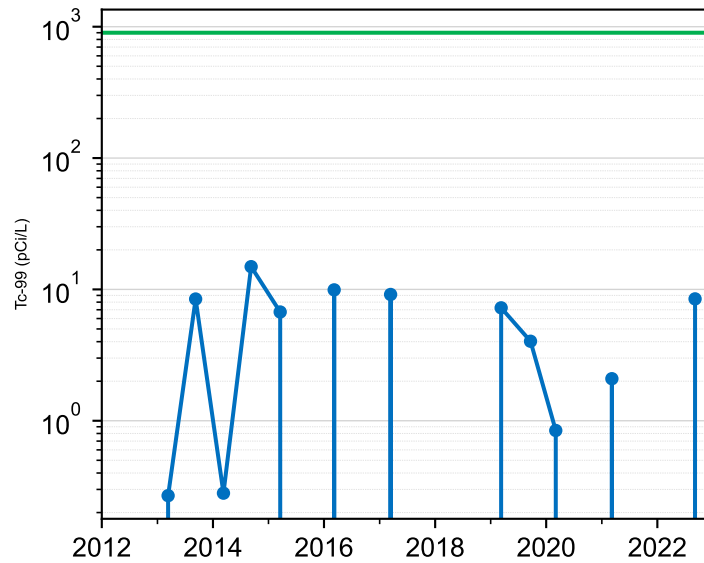
Technetium-99



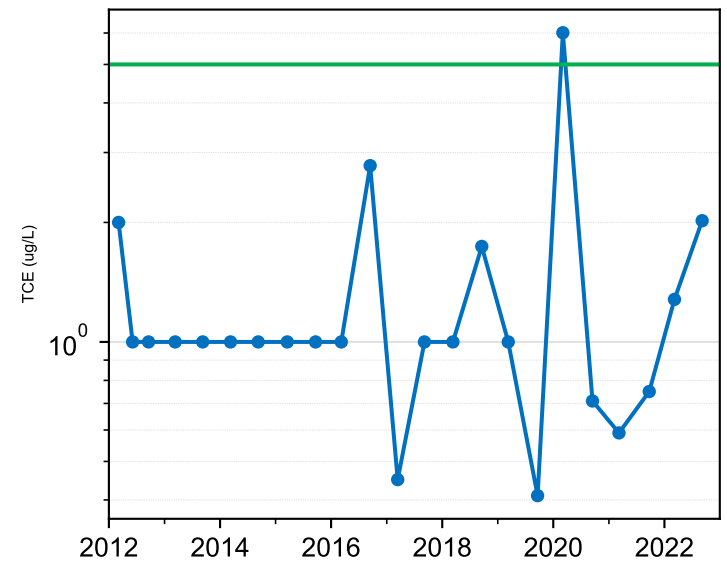
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/05/2012	-1.42 U	2.0
06/05/2012	-4.03 U	1.0 U
09/18/2012	-5.17 U	1.0 U
03/12/2013	0.269 U	1.0 U
09/09/2013	8.45 U	1.0 UJ
03/11/2014	0.281 U	1.0 U
09/09/2014	14.9 U	1.0 U
03/19/2015	6.73 U	1.0 U
09/21/2015	-3.35 U	1.0 U
03/08/2016	9.92 U	1.0 U
09/14/2016	-3.2 U	2.78
03/14/2017	9.15 U	0.45 J
09/06/2017	-6.81 U	1.0 U
03/12/2018	-7.87 U	1.0 U
09/18/2018	-4.05 U	1.74
03/11/2019	7.24 U	1.0 U
09/20/2019	4.03 U	0.41 J
03/04/2020	0.843 U	6.01
09/15/2020	-0.0714 U	0.71 J
03/08/2021	2.09 U	0.59 J
09/23/2021	-4.57 U	0.75 J
03/08/2022	-4.17 U	1.28
09/06/2022	8.47 U	2.02

Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

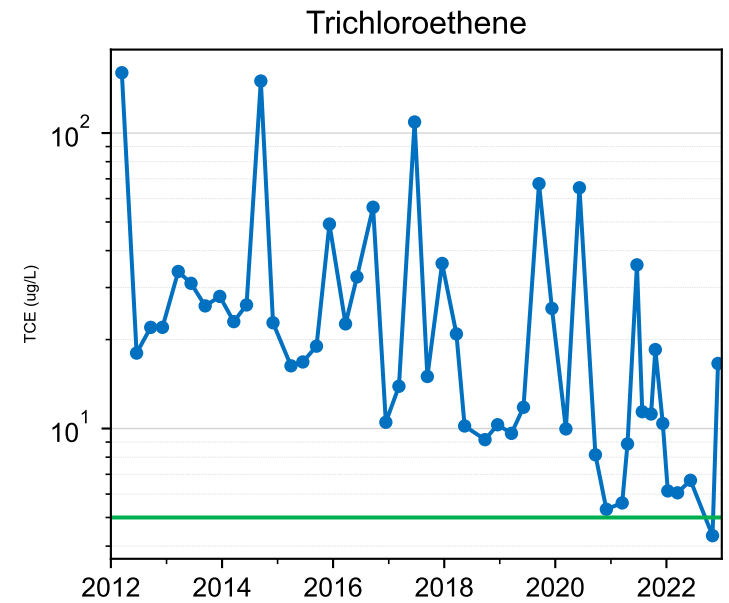
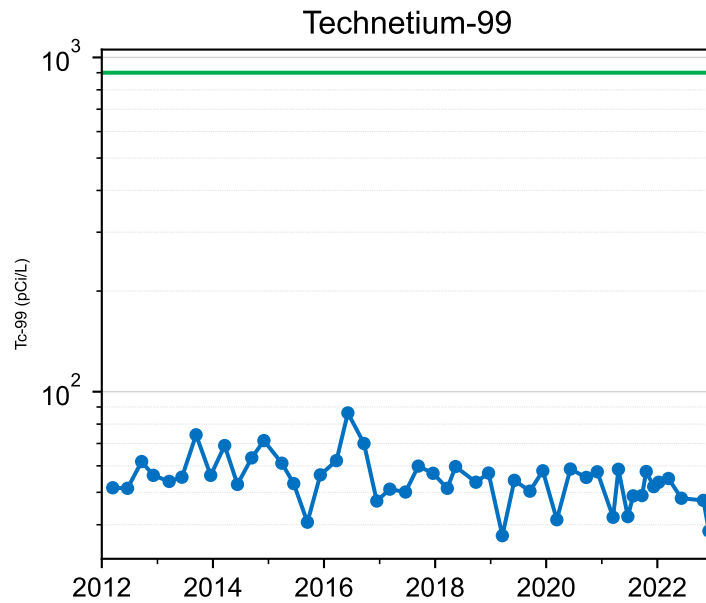
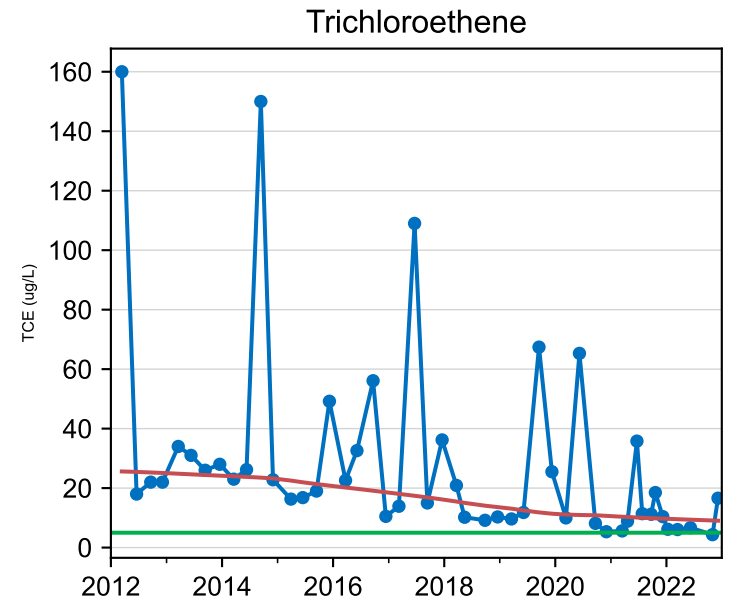
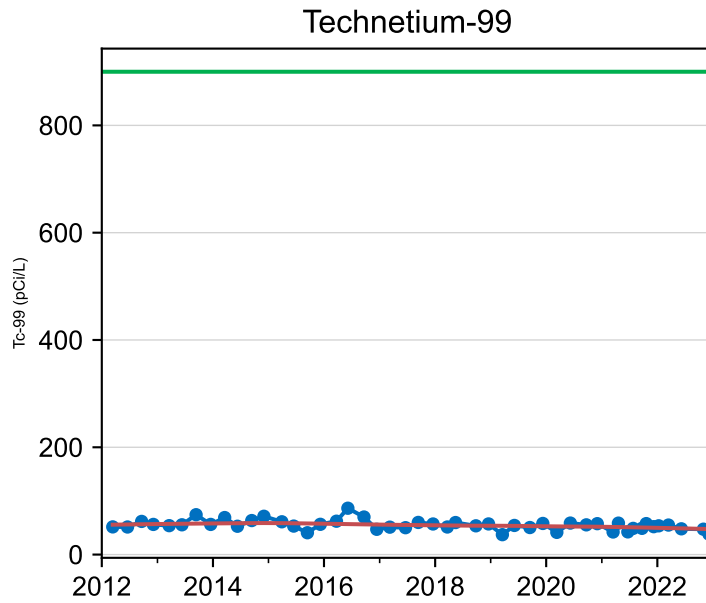
● Data
 — LOWESS
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Figure 221. Tc-99 and TCE at MW504 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2012	51.6	160.0 J
06/18/2012	51.4	18.0
09/19/2012	61.8	22.0
12/05/2012	56.2	22.0
03/19/2013	53.9	34.0
06/11/2013	55.5	31.0
09/12/2013	74.3	26.0
12/17/2013	56.2	28.0
03/19/2014	69.0	23.0
06/11/2014	52.8	26.2
09/13/2014	63.4	150.0
12/02/2014	71.4	22.8
03/30/2015	61.1	16.3
06/16/2015	53.1	16.8
09/14/2015	40.7	19.0
12/08/2015	56.4	49.2
03/23/2016	62.2	22.6
06/06/2016	86.4	32.6
09/20/2016	70.0	56.1
12/13/2016	47.1	10.5
03/09/2017	51.1	13.9
06/20/2017	50.1	109.0
09/12/2017	59.9	15.0
12/18/2017	57.0	36.2
03/22/2018	51.4	20.9
05/15/2018	59.7	10.2
09/26/2018	53.6	9.17
12/18/2018	57.1	10.3
03/19/2019	37.1	9.63
06/06/2019	54.3	11.8
09/16/2019	50.4	67.4
12/10/2019	58.0	25.5
03/11/2020	41.4	9.97
06/08/2020	58.7	65.3
09/21/2020	55.4	8.15
12/02/2020	57.6	5.33
03/16/2021	42.1	5.6
04/20/2021	58.6	8.87
06/21/2021	42.3	35.8 J
07/26/2021	48.8	11.4
09/22/2021	48.9	11.2
10/20/2021	57.7	18.5
12/08/2021	52.0	10.4
01/10/2022	53.6	6.15
03/15/2022	55.0	6.06
06/08/2022	48.0	6.68
10/31/2022	47.3	4.34
12/06/2022	38.3	16.6



Notes:

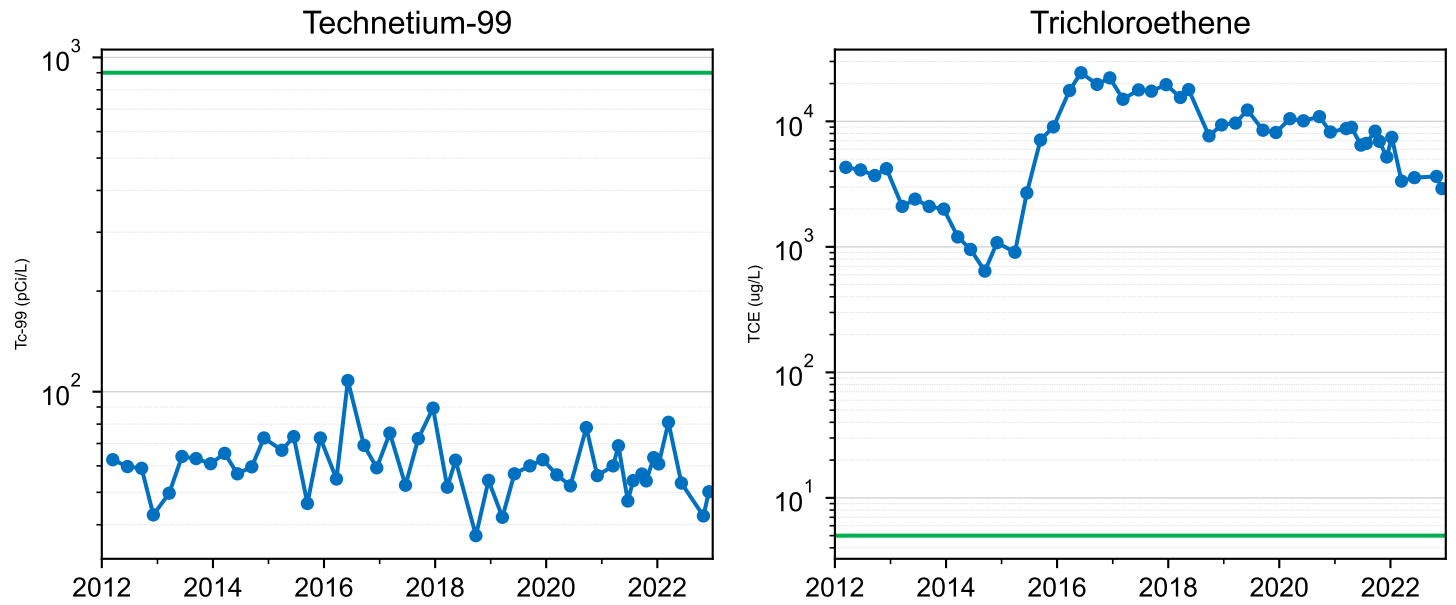
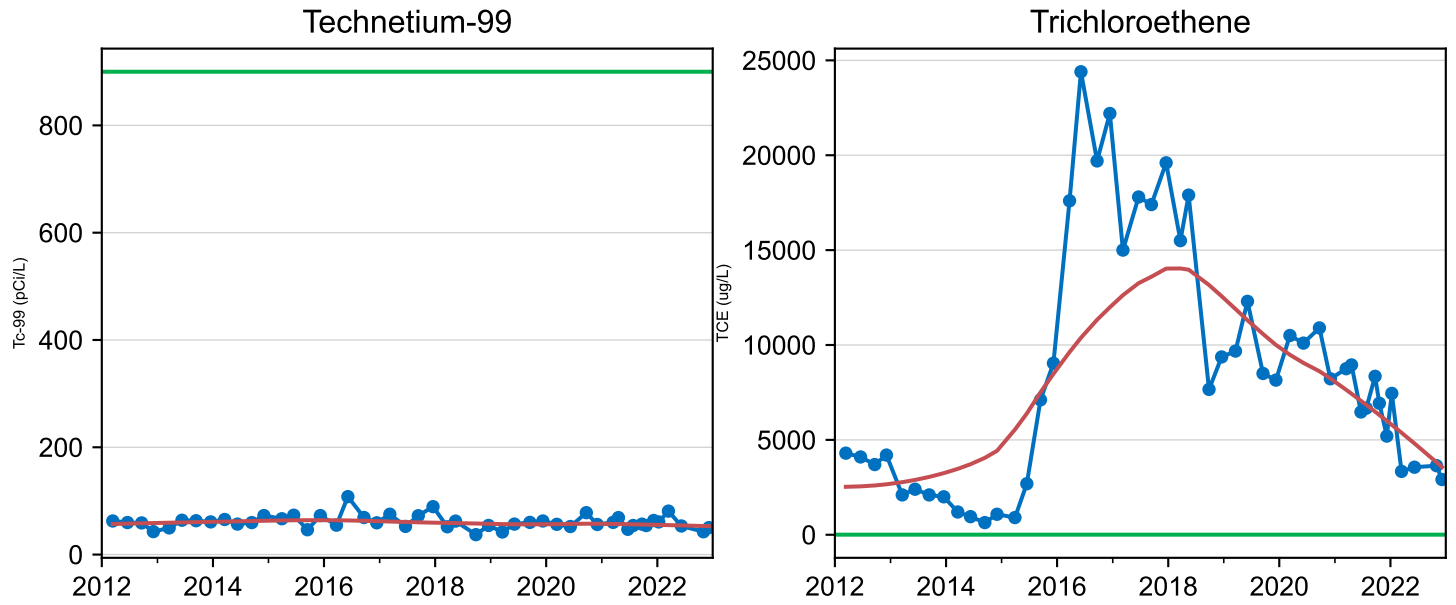
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

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Figure 222. Tc-99 and TCE at MW505 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2012	62.6	4300.0
06/18/2012	59.7	4100.0
09/19/2012	59.0	3700.0
12/05/2012	42.8	4200.0
03/19/2013	49.7	2100.0 J
06/11/2013	64.0	2400.0
09/12/2013	63.1	2100.0 J
12/17/2013	60.9	2000.0
03/19/2014	65.4	1200.0
06/11/2014	56.8	954.0
09/13/2014	59.6	641.0
12/02/2014	72.7	1080.0
03/30/2015	66.8	906.0
06/16/2015	73.4	2690.0
09/14/2015	46.3	7110.0
12/08/2015	72.7	9040.0
03/23/2016	54.8	17600.0
06/06/2016	108.0	24400.0
09/20/2016	69.1	19700.0
12/13/2016	59.2	22200.0
03/09/2017	75.2	15000.0
06/20/2017	52.5	17800.0
09/12/2017	72.4	17400.0
12/18/2017	89.3	19600.0
03/22/2018	51.8	15500.0
05/15/2018	62.4	17900.0
09/26/2018	37.1	7660.0
12/18/2018	54.3	9370.0
03/19/2019	42.1	9680.0
06/06/2019	56.8	12300.0
09/16/2019	60.0	8500.0
12/10/2019	62.6	8150.0
03/11/2020	56.4	10500.0
06/08/2020	52.3	10100.0
09/21/2020	78.1	10900.0
12/02/2020	56.1	8220.0
03/16/2021	60.0	8750.0
04/20/2021	68.9	8950.0
06/21/2021	47.1	6470.0 J
07/26/2021	54.2	6670.0
09/22/2021	56.7	8350.0
10/20/2021	54.1	6930.0
12/08/2021	63.5	5200.0
01/10/2022	60.8	7450.0
03/15/2022	81.0	3340.0
06/08/2022	53.3	3560.0
10/31/2022	42.5	3640.0
12/06/2022	50.2	2910.0



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

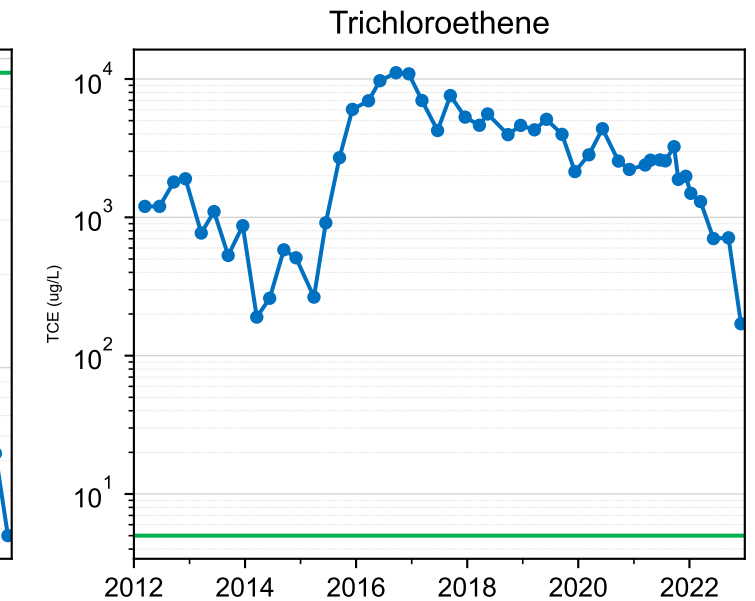
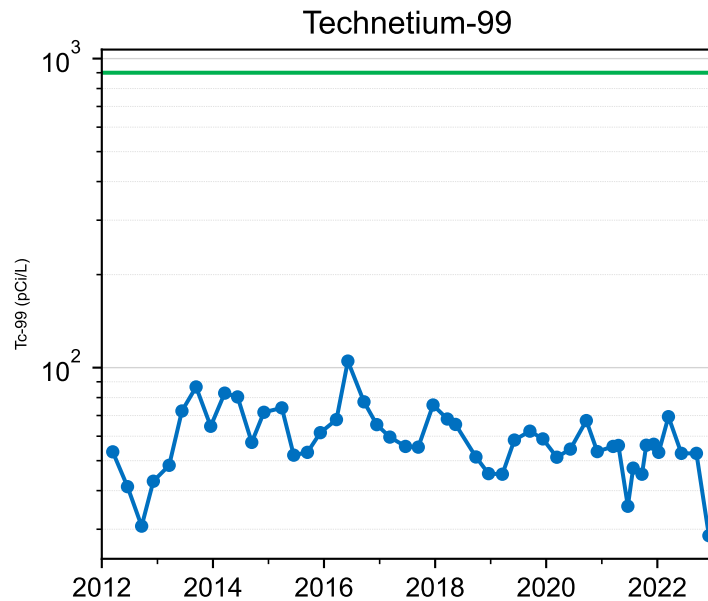
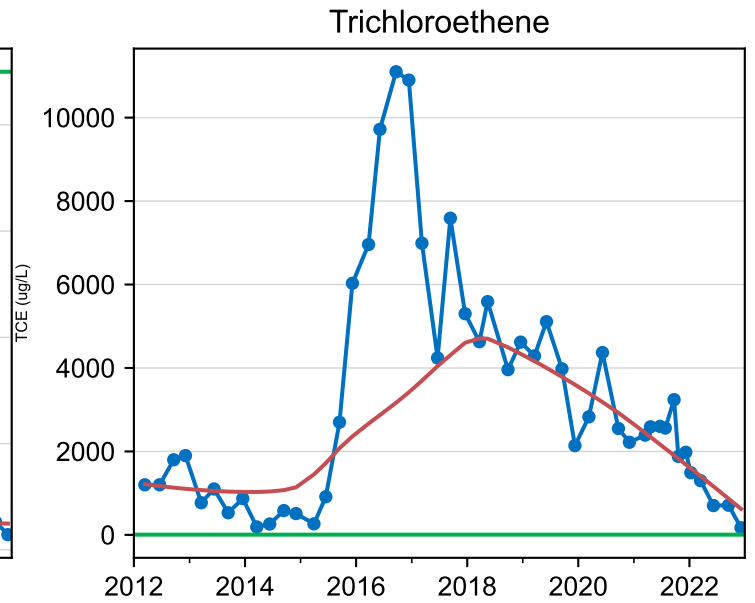
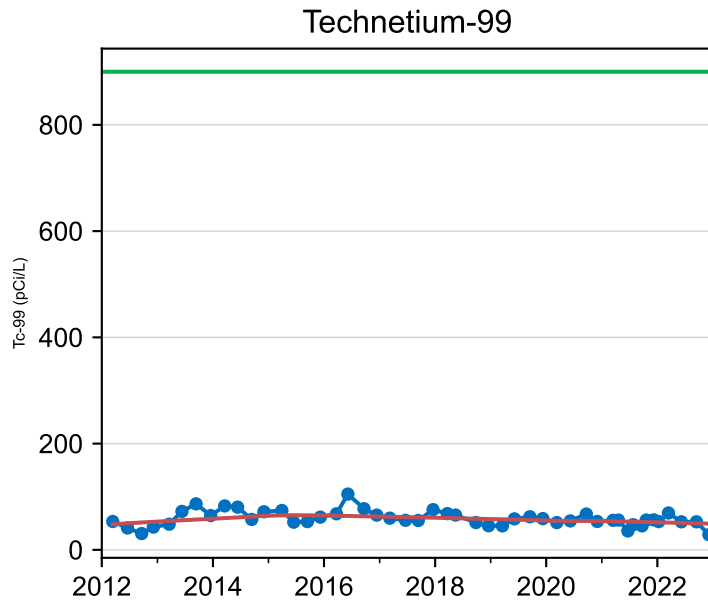
● Data
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Figure 223. Tc-99 and TCE at MW506 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2012	53.4	1200.0 J
06/18/2012	41.2	1200.0
09/19/2012	30.7	1800.0
12/05/2012	42.9	1900.0
03/19/2013	48.3	770.0
06/11/2013	72.4	1100.0
09/12/2013	86.6	530.0
12/17/2013	64.6	870.0
03/19/2014	82.7	190.0
06/12/2014	80.4	260.0
09/13/2014	57.3	582.0
12/02/2014	71.7	510.0
03/30/2015	74.1	265.0
06/16/2015	52.1	913.0
09/14/2015	53.2	2700.0
12/08/2015	61.6	6030.0
03/23/2016	67.9	6960.0
06/06/2016	105.0	9720.0
09/20/2016	77.5	11000.0
12/13/2016	65.4	10900.0
03/09/2017	59.6	6990.0
06/20/2017	55.6	4240.0
09/12/2017	55.3	7590.0
12/18/2017	75.7	5300.0
03/22/2018	68.2	4630.0
05/15/2018	65.5	5590.0
09/26/2018	51.4	3960.0
12/18/2018	45.4	4620.0
03/19/2019	45.2	4290.0
06/06/2019	58.3	5110.0
09/16/2019	62.3	3980.0
12/10/2019	58.8	2140.0
03/11/2020	51.3	2830.0
06/08/2020	54.5	4370.0
09/21/2020	67.4	2550.0
12/02/2020	53.5	2220.0
03/16/2021	55.6	2390.0
04/20/2021	56.0	2590.0
06/21/2021	35.6	2600.0 J
07/26/2021	47.3	2560.0
09/22/2021	45.2	3240.0
10/20/2021	56.1	1880.0
12/08/2021	56.5	1980.0
01/10/2022	53.2	1490.0
03/15/2022	69.4	1300.0
06/08/2022	52.8	702.0
09/15/2022	52.8	711.0
12/06/2022	28.6	170.0



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

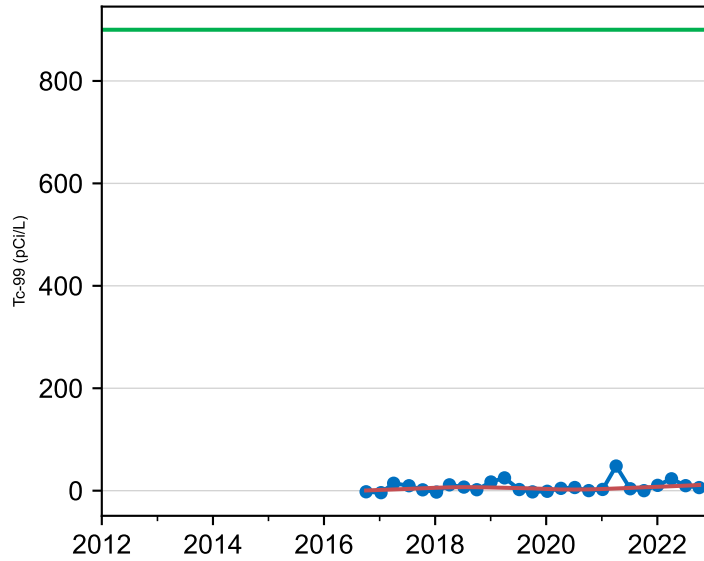
● Data — LOWESS
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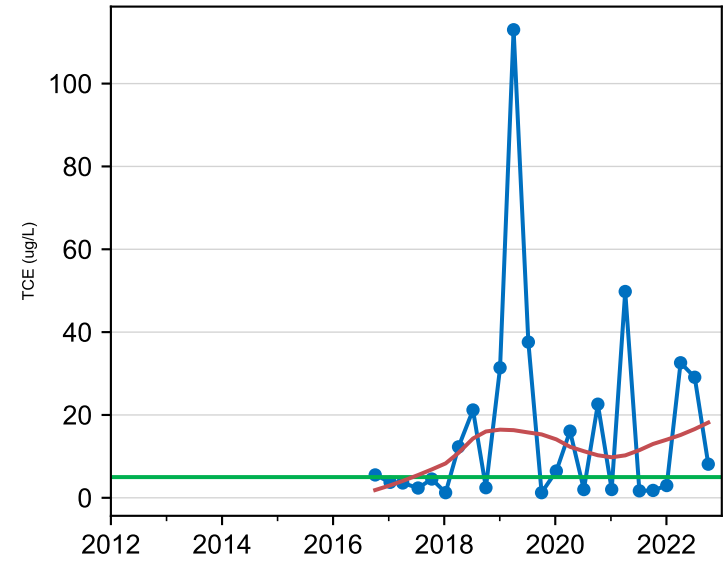

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Figure 224. Tc-99 and TCE at MW507 (LRGA)

Technetium-99

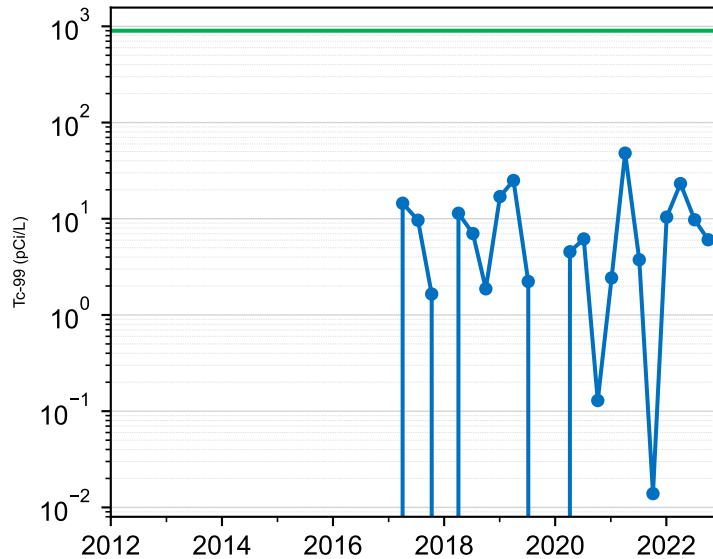


Trichloroethene

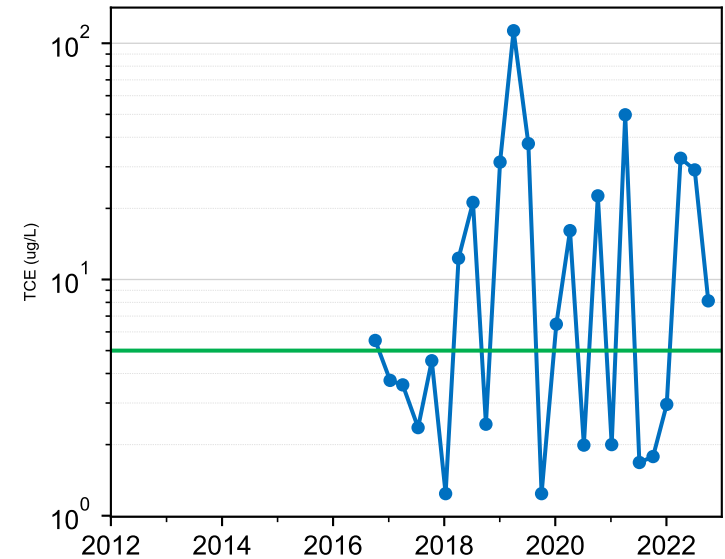


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
10/04/2016	-2.15 U	5.52
01/10/2017	-3.88 U	3.74
04/03/2017	14.5	3.58
07/13/2017	9.65 U	2.36
10/11/2017	1.65 U	4.53
01/10/2018	-2.75 U	1.24
04/05/2018	11.4 U	12.3
07/09/2018	7.02 U	21.2
10/02/2018	1.87 U	2.44
01/03/2019	17.0	31.4
04/02/2019	25.0	113.0
07/08/2019	2.23 U	37.6
10/03/2019	-2.36 U	1.24
01/08/2020	-1.17 U	6.47
04/07/2020	4.54 U	16.1
07/07/2020	6.17 U	1.99
10/07/2020	0.129 U	22.6
01/06/2021	2.43 U	2.0
04/05/2021	48.1	49.8
07/07/2021	3.75 U	1.68
10/05/2021	0.0139 U	1.78
01/03/2022	10.4	2.96
04/04/2022	23.2	32.6
07/06/2022	9.76 U	29.1
10/03/2022	6.05 U	8.12

Technetium-99



Trichloroethene



Notes:

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2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

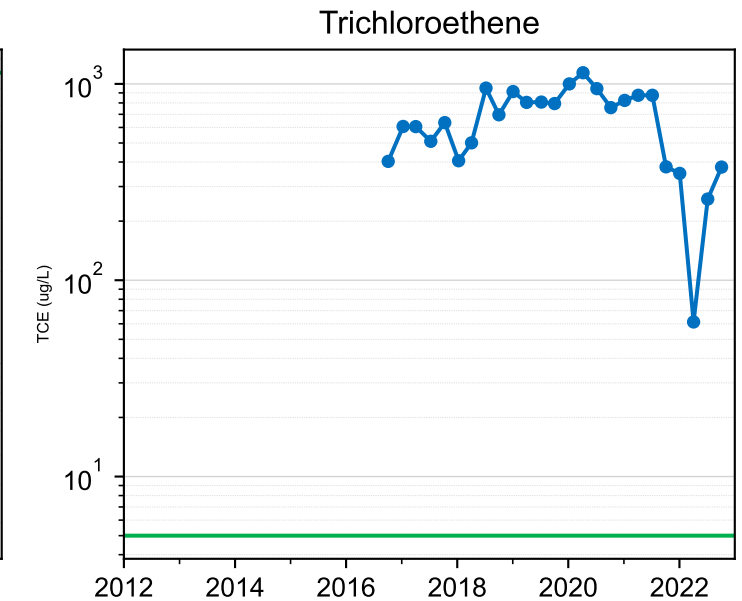
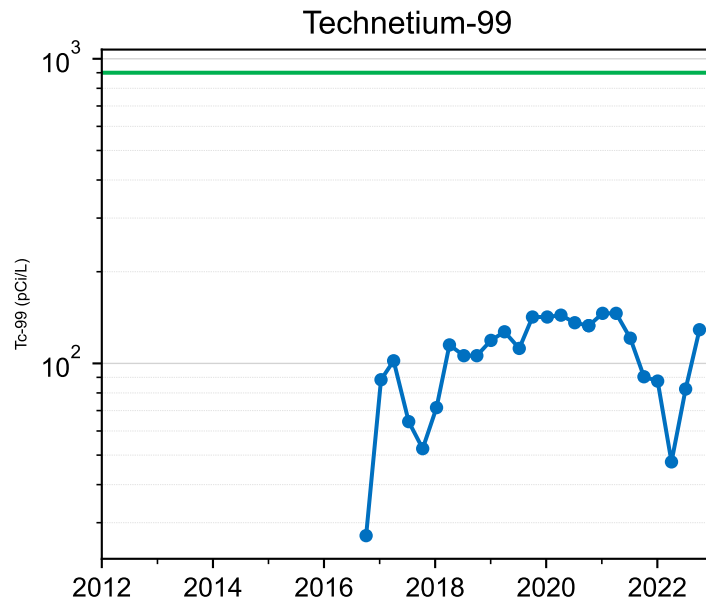
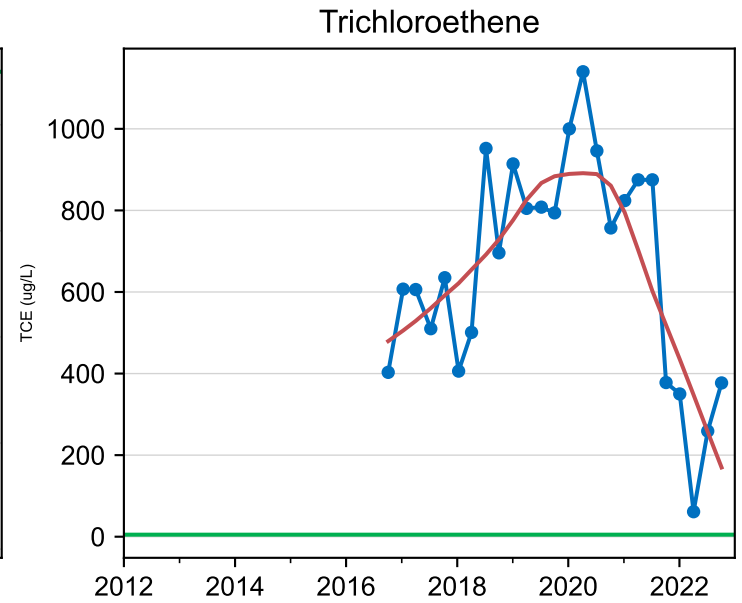
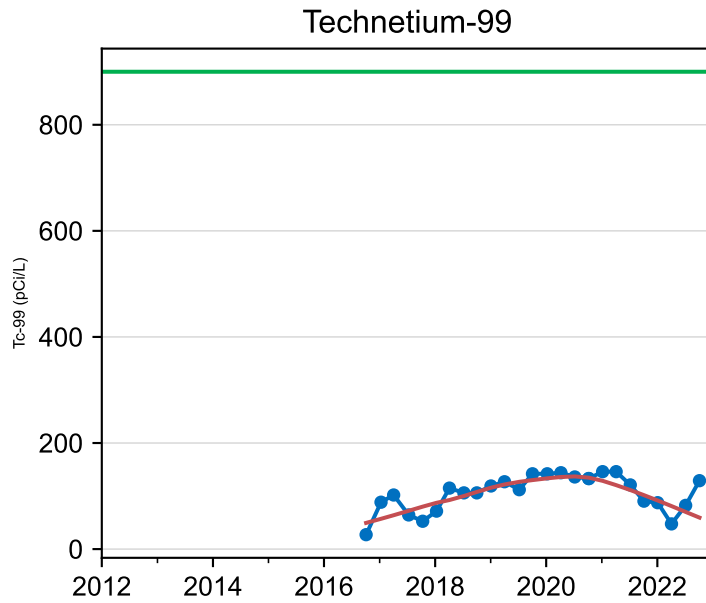
● Data
— LOWESS
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Figure 225. Tc-99 and TCE at MW524 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
10/04/2016	27.2	403.0
01/10/2017	88.4	607.0
04/03/2017	102.0	606.0
07/11/2017	64.4	510.0
10/11/2017	52.5	635.0
01/10/2018	71.6	406.0
04/05/2018	115.0	501.0
07/09/2018	106.0	952.0
10/02/2018	106.0	696.0
01/03/2019	119.0	914.0
04/02/2019	127.0	805.0
07/08/2019	112.0	808.0
10/03/2019	142.0	794.0
01/08/2020	142.0	1000.0
04/07/2020	144.0	1140.0
07/07/2020	136.0	946.0
10/07/2020	133.0	757.0
01/06/2021	146.0	824.0
04/05/2021	146.0	875.0
07/07/2021	121.0	875.0
10/05/2021	90.4	378.0
01/03/2022	87.5	350.0
04/04/2022	47.5	61.3
07/06/2022	82.4	259.0
10/05/2022	129.0	377.0



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs


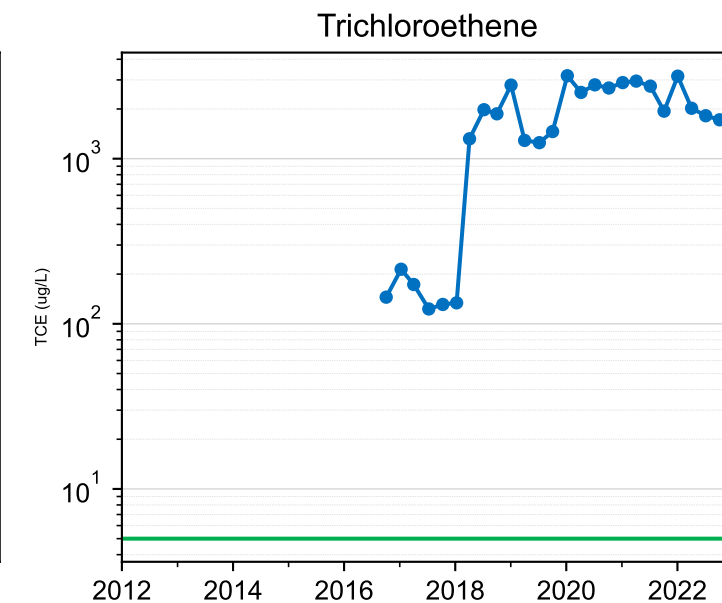
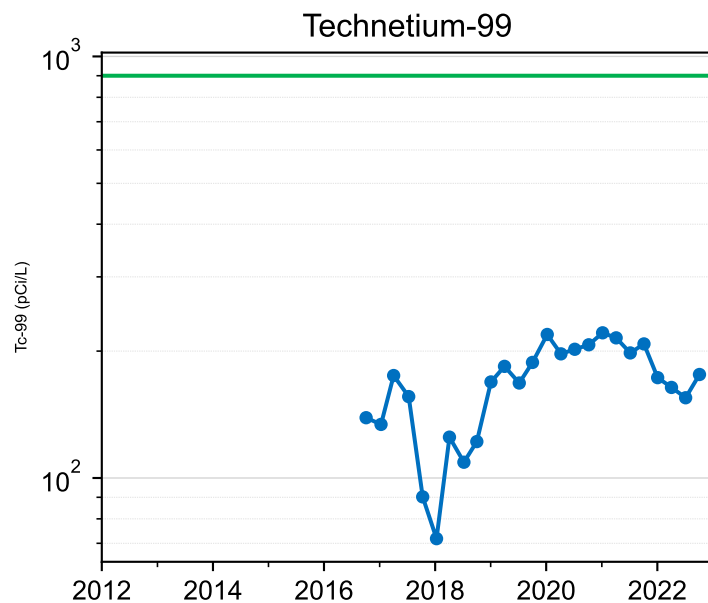
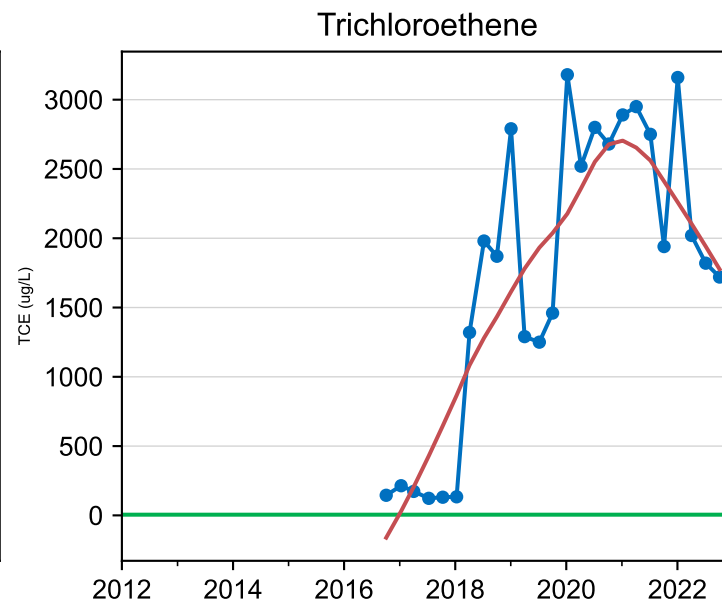
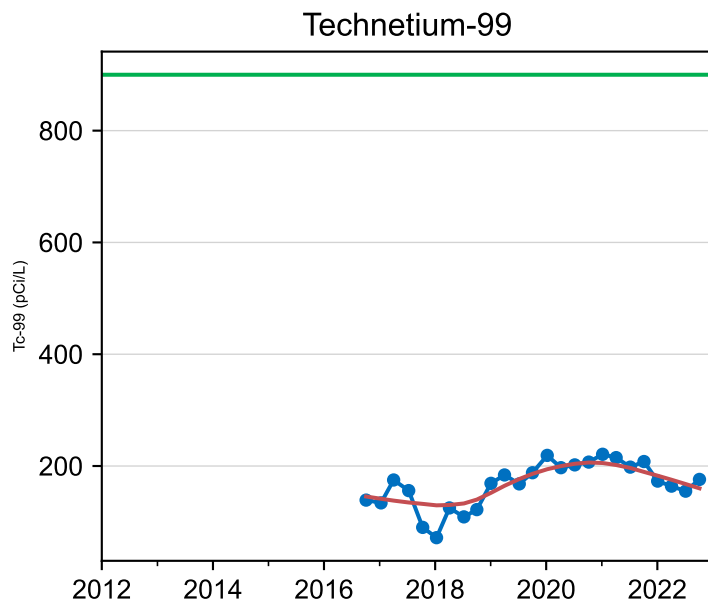
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Figure 226. Tc-99 and TCE at MW525 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
10/04/2016	139.0	145.0
01/10/2017	134.0	214.0
04/03/2017	175.0	173.0
07/11/2017	156.0	123.0
10/11/2017	90.2	131.0
01/10/2018	71.8	134.0
04/05/2018	125.0	1320.0
07/09/2018	109.0	1980.0
10/02/2018	122.0	1870.0
01/03/2019	169.0	2790.0
04/02/2019	184.0	1290.0
07/08/2019	168.0	1250.0
10/03/2019	188.0	1460.0
01/08/2020	219.0	3180.0
04/07/2020	197.0	2520.0
07/07/2020	202.0	2800.0
10/07/2020	207.0	2680.0
01/06/2021	221.0	2890.0
04/05/2021	215.0	2950.0
07/07/2021	198.0	2750.0
10/05/2021	208.0	1940.0
01/03/2022	173.0	3160.0
04/04/2022	164.0	2020.0
07/06/2022	155.0	1820.0
10/05/2022	176.0	1720.0



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

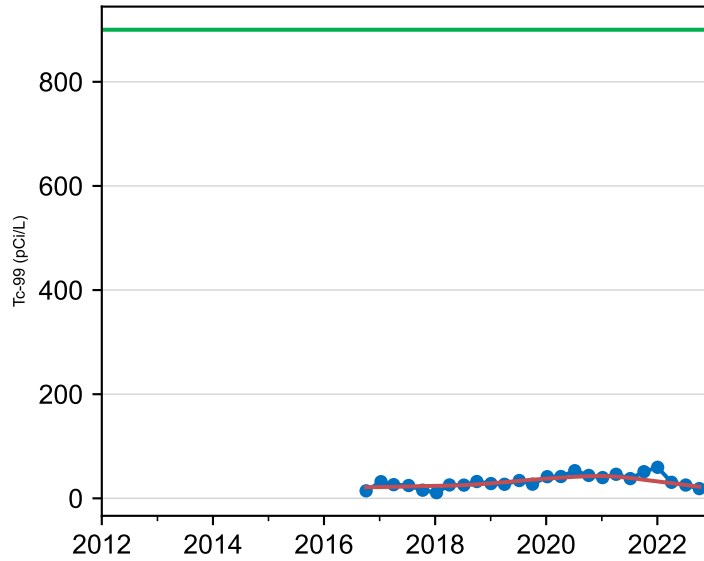
● Data — LOWESS
— MCLs

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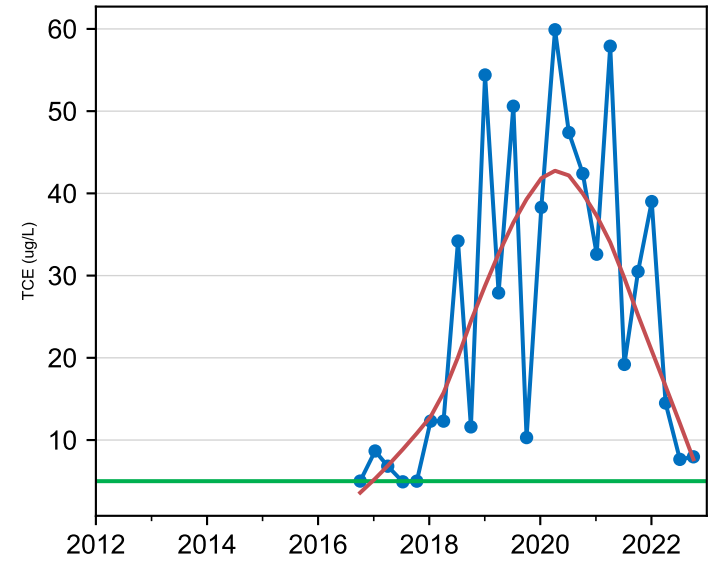
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Figure 227. Tc-99 and TCE at MW526 (MRGA)

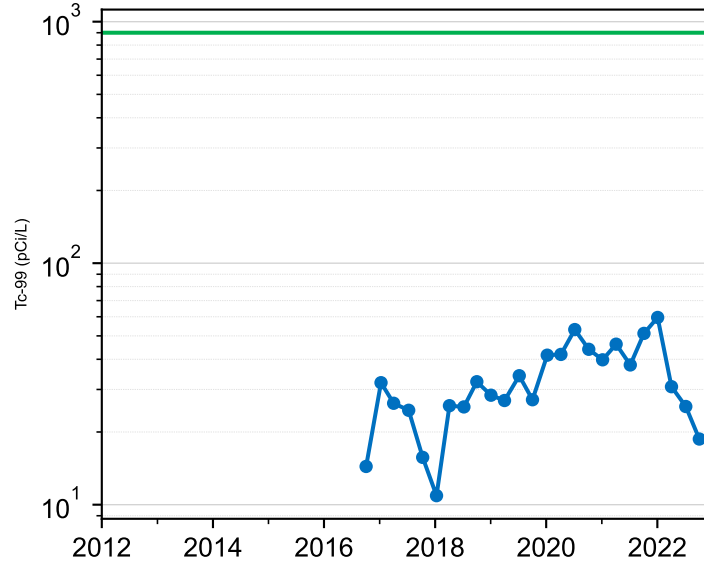
Technetium-99



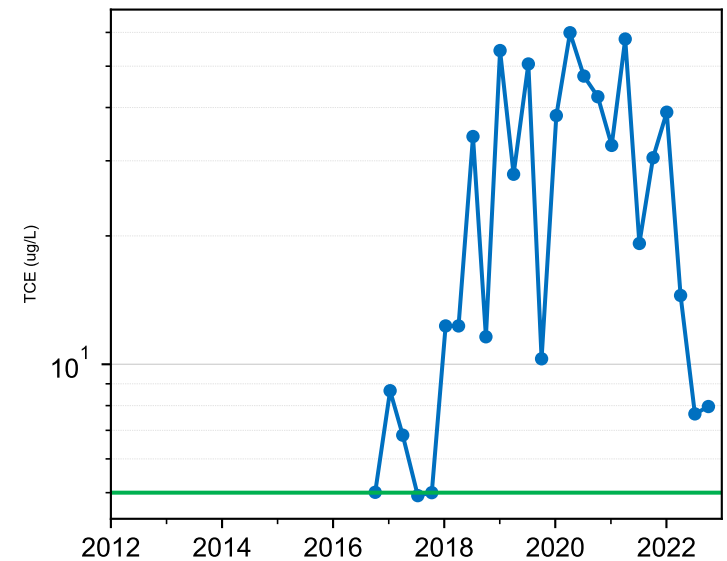
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
10/04/2016	14.4	5.01
01/10/2017	32.0	8.67
04/03/2017	26.3	6.82
07/11/2017	24.6	4.92
10/11/2017	15.7 U	5.0
01/10/2018	10.9 U	12.3
04/05/2018	25.7	12.3
07/09/2018	25.4	34.2
10/02/2018	32.3	11.6
01/03/2019	28.4	54.4
04/02/2019	27.0	27.9
07/08/2019	34.2	50.6
10/03/2019	27.2	10.3
01/08/2020	41.6	38.3
04/07/2020	41.9	59.9
07/07/2020	53.1	47.4
10/07/2020	44.0	42.4
01/06/2021	39.8	32.6
04/05/2021	46.2	57.9
07/07/2021	37.9	19.2
10/05/2021	51.2	30.5
01/03/2022	59.6	39.0
04/04/2022	30.8	14.5
07/07/2022	25.5	7.65
10/04/2022	18.7	7.96

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

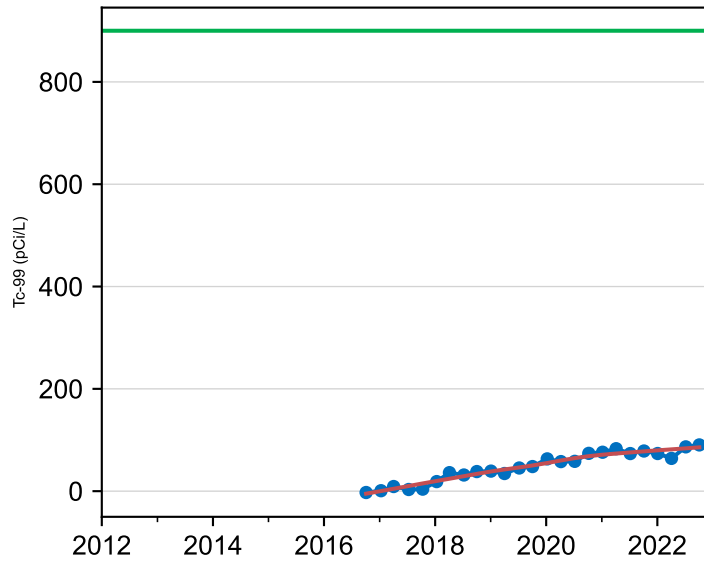
● Data
 — LOWESS
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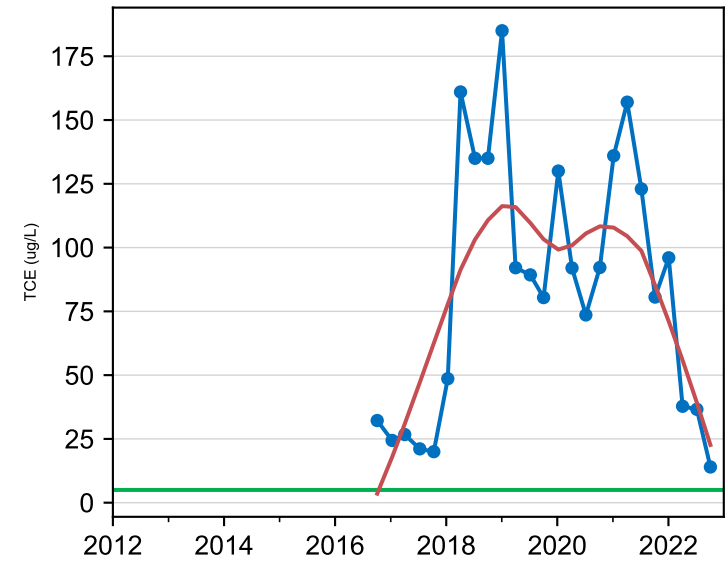
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Figure 228. Tc-99 and TCE at MW527 (MRGA)

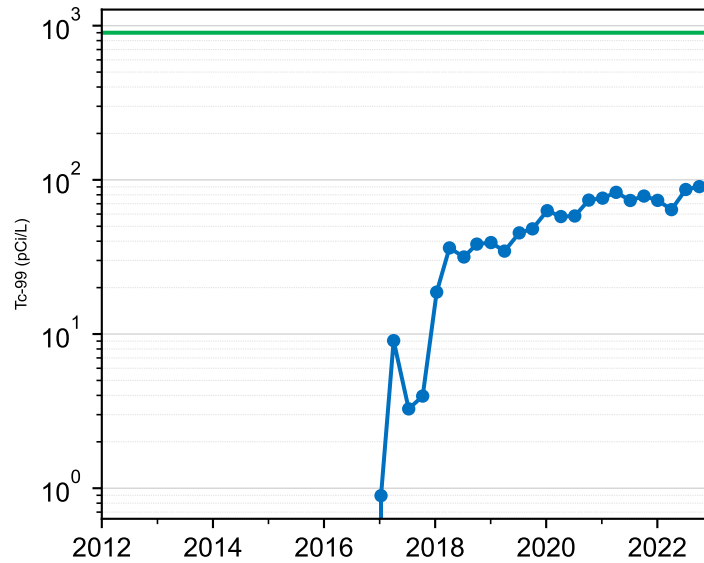
Technetium-99



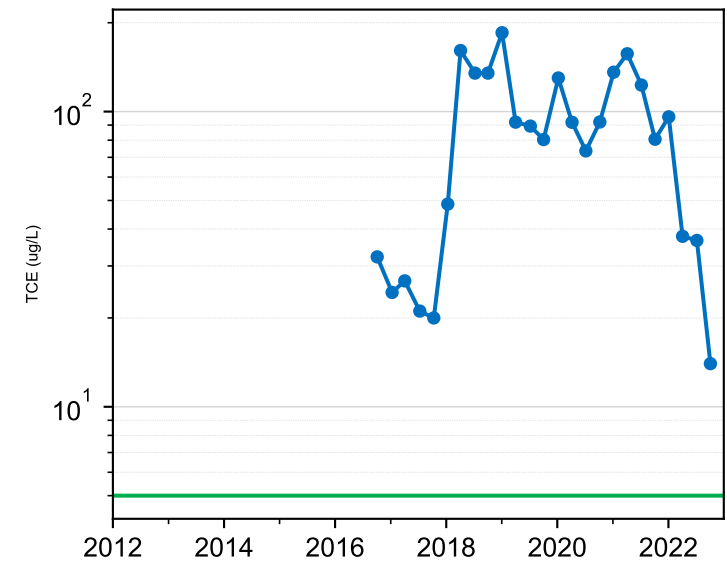
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
10/04/2016	-2.63 U	32.2
01/10/2017	0.895 U	24.4
04/03/2017	9.06 U	26.7
07/11/2017	3.27 U	21.1
10/11/2017	3.96 U	20.0
01/11/2018	18.7	48.6
04/05/2018	36.2	161.0
07/09/2018	31.6	135.0
10/02/2018	38.3	135.0
01/03/2019	39.2	185.0
04/02/2019	34.5	92.1
07/08/2019	45.3	89.3
10/03/2019	48.1	80.4
01/08/2020	63.1	130.0
04/07/2020	57.8	92.0
07/07/2020	58.3	73.6
10/07/2020	73.9	92.2
01/06/2021	76.1	136.0
04/05/2021	83.0	157.0
07/07/2021	73.5	123.0
10/05/2021	78.5	80.6
01/03/2022	73.6	96.0
04/04/2022	64.1	37.8
07/07/2022	86.6	36.6
10/04/2022	90.4	14.0

Notes:
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

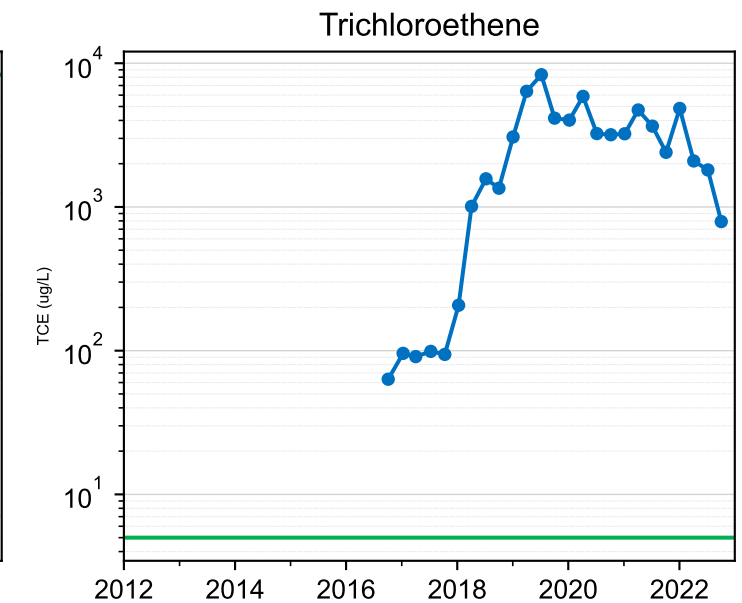
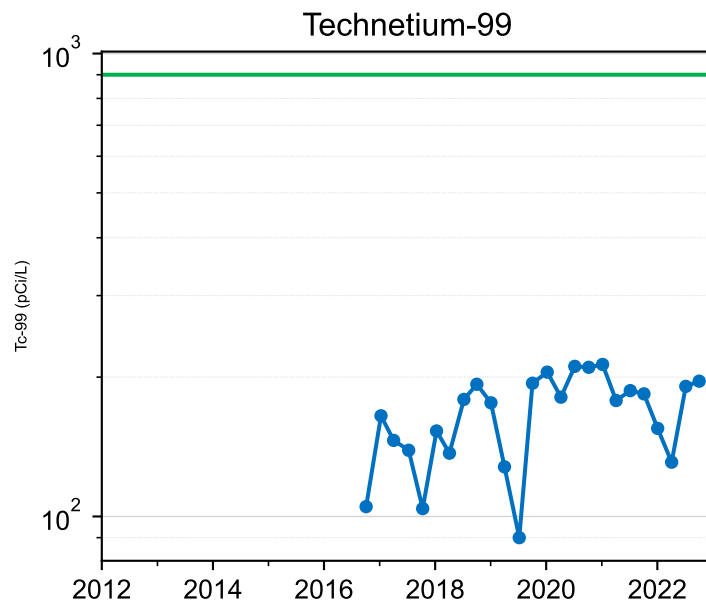
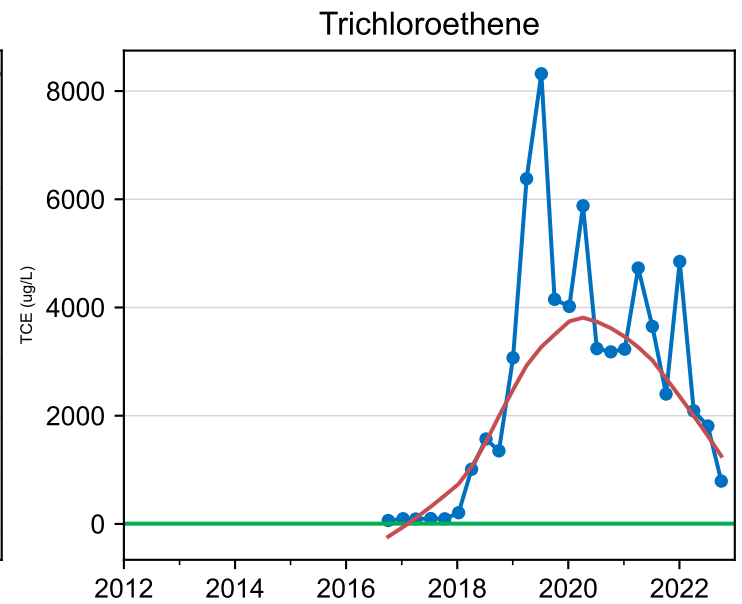
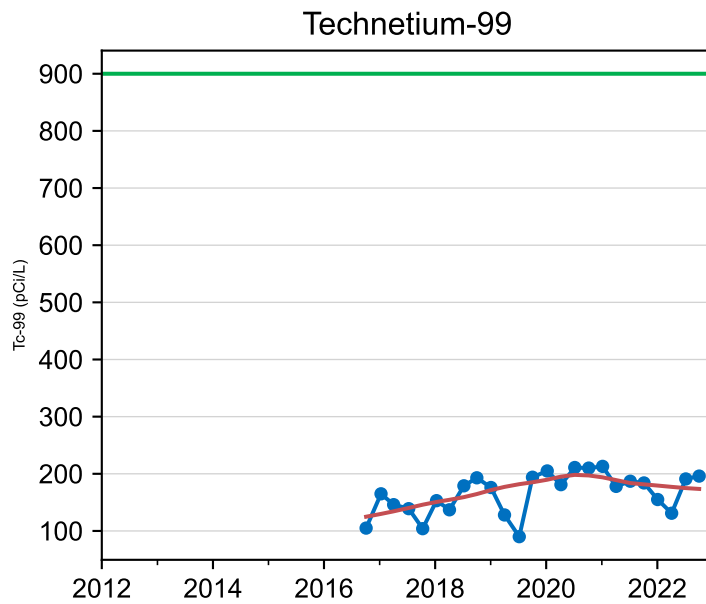
● Data
 — LOWESS
 — MCLs

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Figure 229. Tc-99 and TCE at MW528 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
10/04/2016	105.0	63.3
01/10/2017	165.0	95.8
04/03/2017	146.0	90.9
07/11/2017	139.0	98.9
10/11/2017	104.0	94.2
01/10/2018	153.0	207.0
04/05/2018	137.0	1010.0
07/09/2018	179.0	1570.0
10/02/2018	193.0	1350.0
01/03/2019	176.0	3070.0
04/02/2019	128.0	6380.0
07/08/2019	90.0	8320.0
10/03/2019	194.0	4150.0
01/08/2020	205.0	4020.0
04/07/2020	181.0	5880.0
07/07/2020	211.0	3240.0
10/07/2020	210.0	3180.0
01/06/2021	213.0	3230.0 J
04/05/2021	178.0	4730.0
07/07/2021	187.0	3650.0
10/05/2021	184.0	2400.0
01/03/2022	155.0	4850.0
04/05/2022	131.0	2090.0
07/07/2022	191.0	1810.0
10/03/2022	196.0	791.0



Notes:

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4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

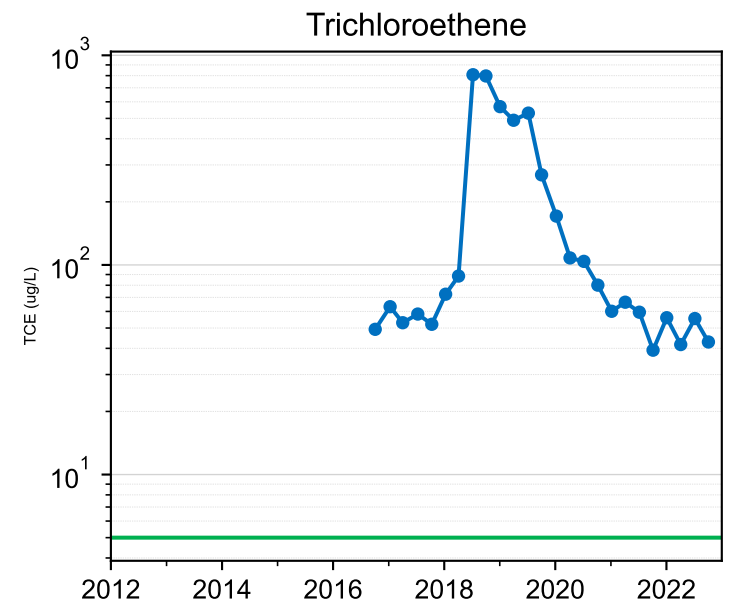
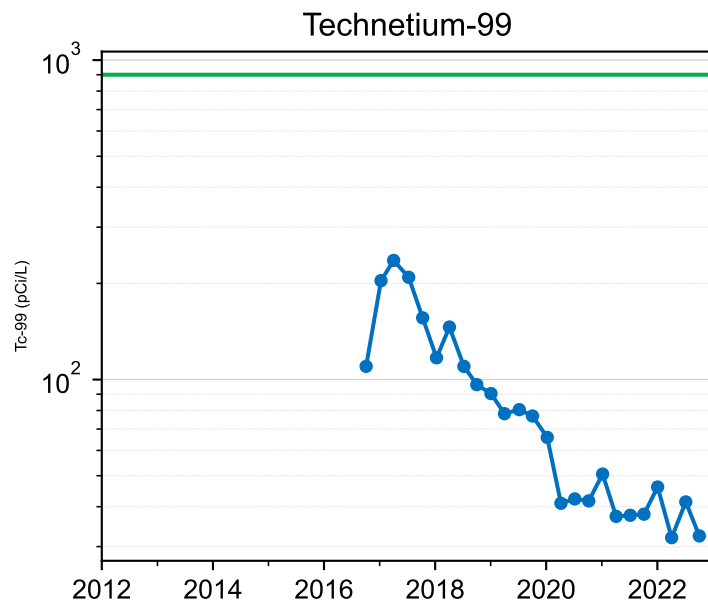
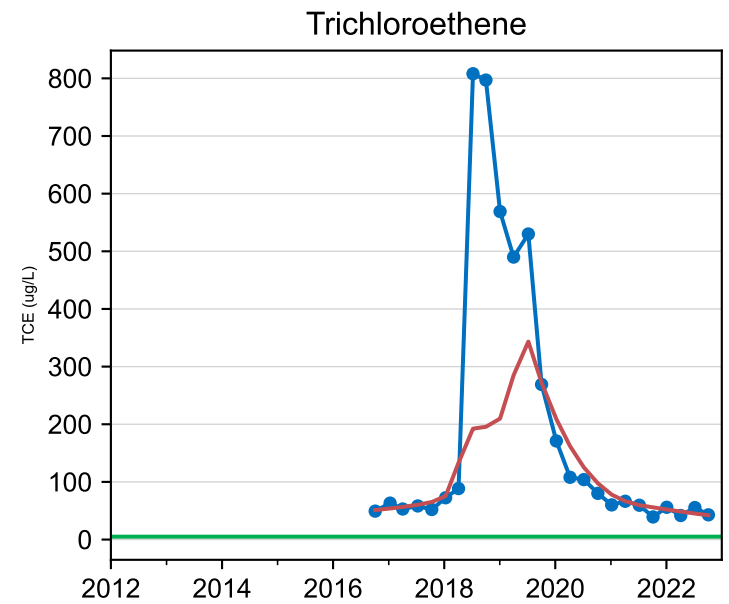
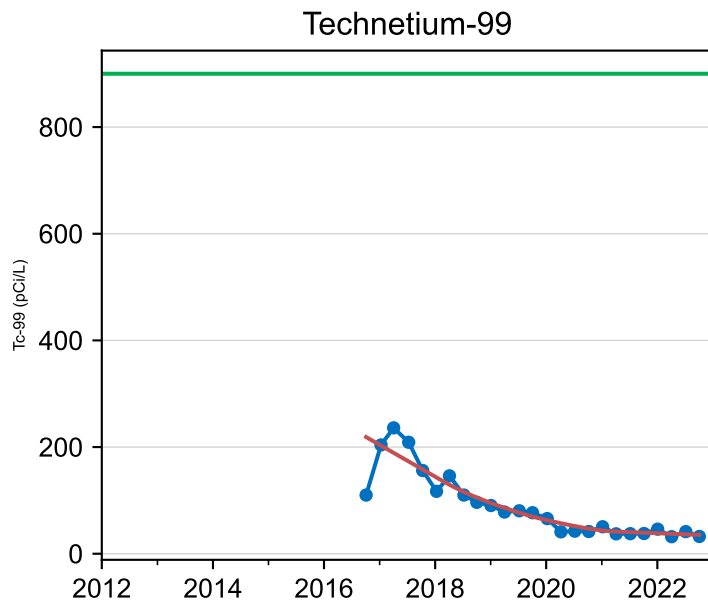
● Data — LOWESS
— MCLs

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Figure 230. Tc-99 and TCE at MW529 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
10/04/2016	110.0	49.3
01/10/2017	204.0	63.2
04/03/2017	236.0	53.0
07/11/2017	209.0	58.3
10/11/2017	156.0	52.1
01/10/2018	117.0	72.5
04/05/2018	146.0	88.5
07/09/2018	110.0	808.0
10/02/2018	96.4	797.0
01/03/2019	90.4	569.0
04/02/2019	78.2	490.0
07/08/2019	80.5	530.0
10/03/2019	76.9	269.0
01/08/2020	65.9	171.0
04/07/2020	41.0	108.0
07/07/2020	42.3	104.0
10/07/2020	41.7	80.1
01/06/2021	50.6	60.1 J
04/05/2021	37.3	66.4
07/07/2021	37.6	59.5
10/05/2021	37.9	39.2
01/03/2022	46.1	56.0
04/05/2022	32.0	41.7
07/07/2022	41.4	55.5
10/04/2022	32.4	42.9



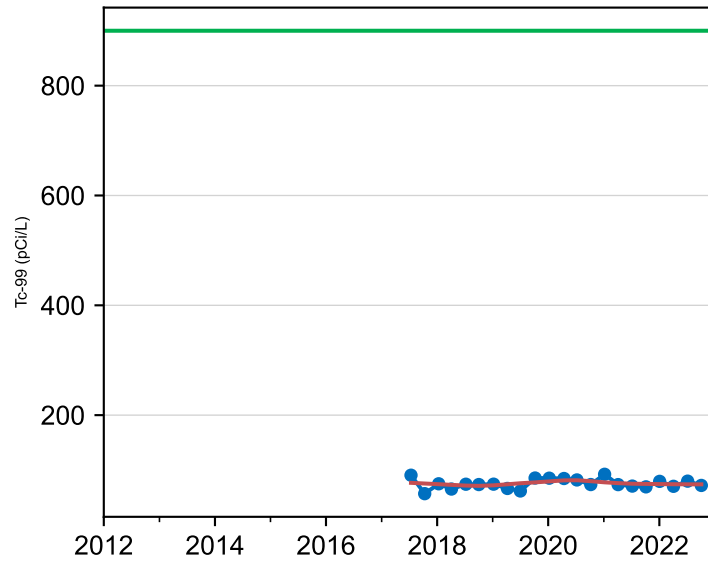
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

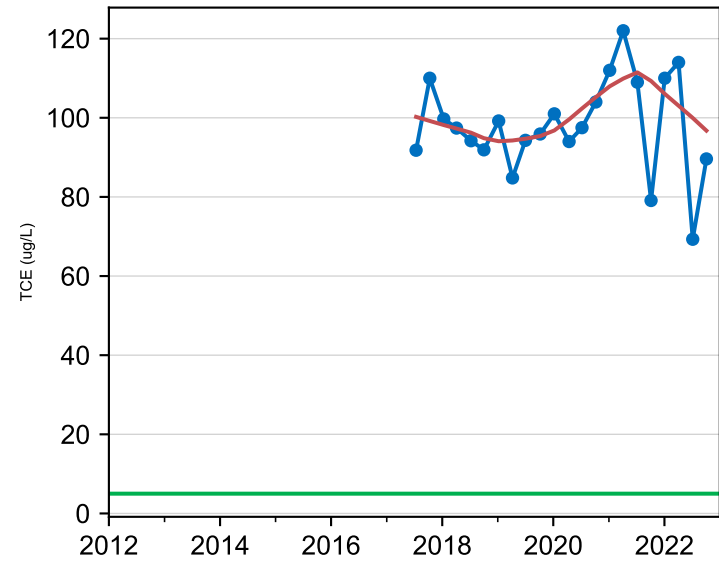
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Figure 231. Tc-99 and TCE at MW530 (LRGA)

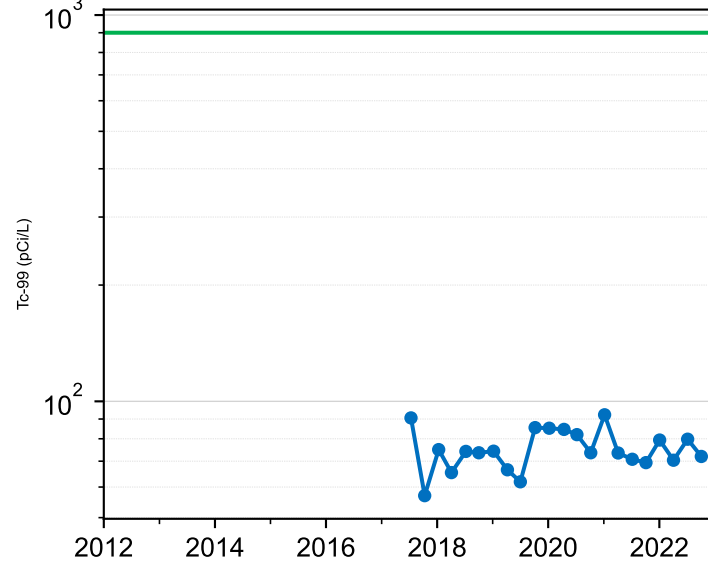
Technetium-99



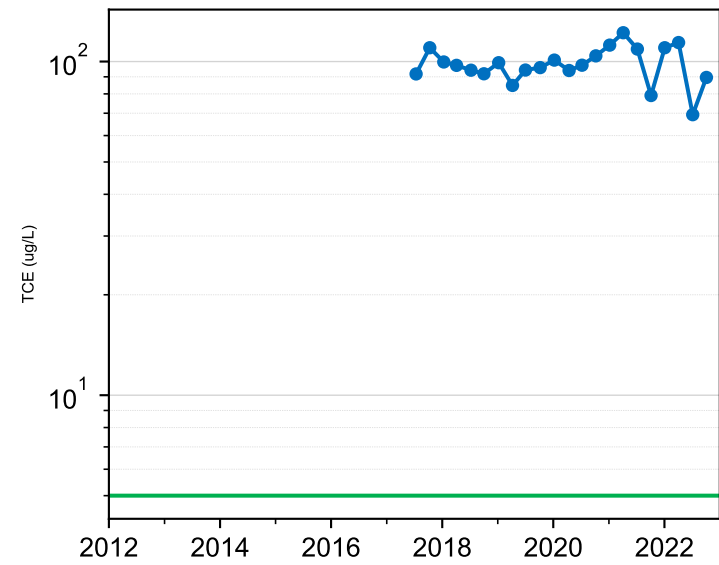
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
07/13/2017	90.6	91.8
10/11/2017	57.0	110.0
01/11/2018	75.0	99.7
04/05/2018	65.4	97.4
07/09/2018	74.2	94.2
10/02/2018	73.6	91.9
01/07/2019	74.3	99.2
04/08/2019	66.5	84.8
07/02/2019	61.9	94.3
10/07/2019	85.5	95.9
01/08/2020	85.2	101.0
04/14/2020	84.6	94.0
07/08/2020	82.0	97.5
10/07/2020	73.6	104.0
01/06/2021	92.3	112.0 J
04/05/2021	73.5	122.0
07/07/2021	70.8	109.0
10/05/2021	69.4	79.1
01/03/2022	79.4	110.0
04/04/2022	70.4	114.0
07/06/2022	79.8	69.3
10/04/2022	72.0	89.6

Notes:
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 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
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● Data
 — LOWESS
 — MCLs

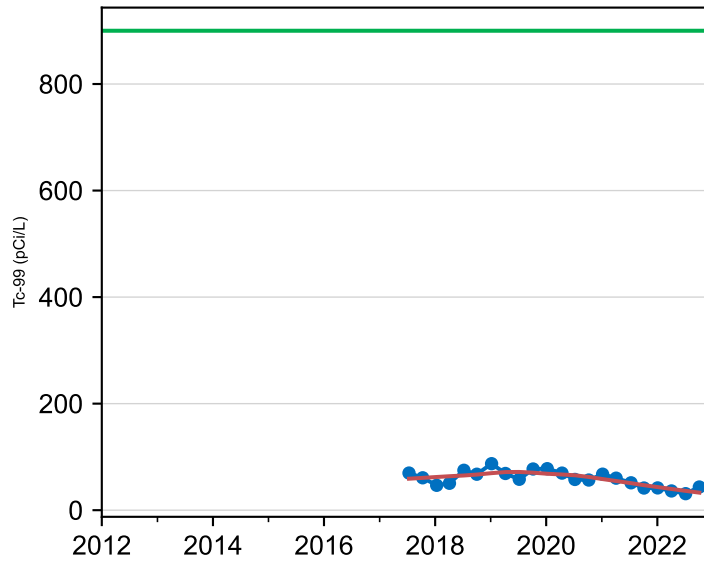
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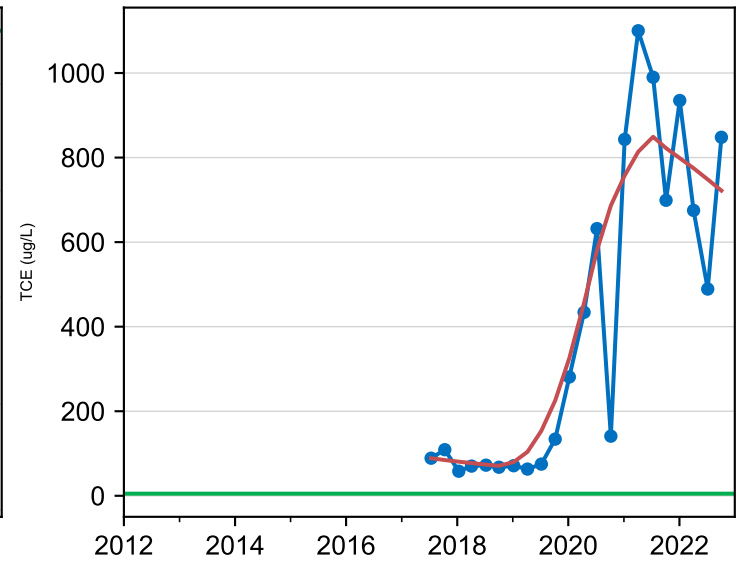
Figure 232. Tc-99 and TCE at MW531 (LRGA)

Source: Trend_Plots_V1.ipynb

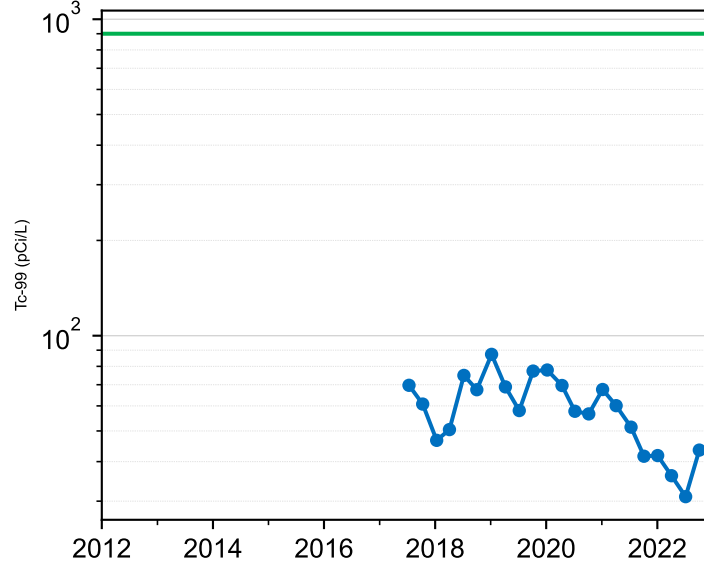
Technetium-99



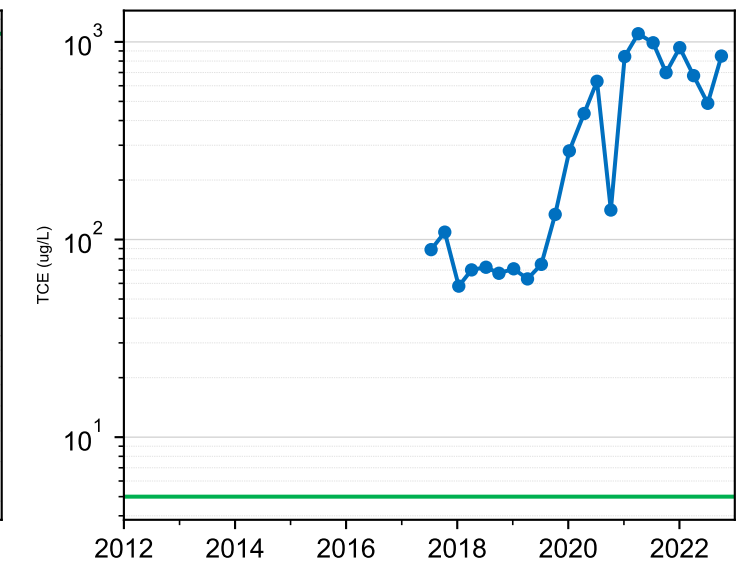
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
07/13/2017	69.7	88.9
10/11/2017	60.8	109.0
01/11/2018	46.7	58.1
04/05/2018	50.5	70.2
07/09/2018	74.9	72.4
10/02/2018	67.5	67.5
01/07/2019	87.3	71.1
04/08/2019	68.9	63.2
07/08/2019	58.0	74.9
10/07/2019	77.3	134.0
01/08/2020	77.9	281.0
04/14/2020	69.6	434.0
07/08/2020	57.7	632.0
10/07/2020	56.6	141.0
01/06/2021	67.6	843.0
04/05/2021	60.1	1100.0
07/12/2021	51.4	990.0 J
10/05/2021	41.6	699.0
01/03/2022	41.8	935.0
04/04/2022	36.1	675.0
07/06/2022	31.0	489.0
10/04/2022	43.5	848.0

- Notes:
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

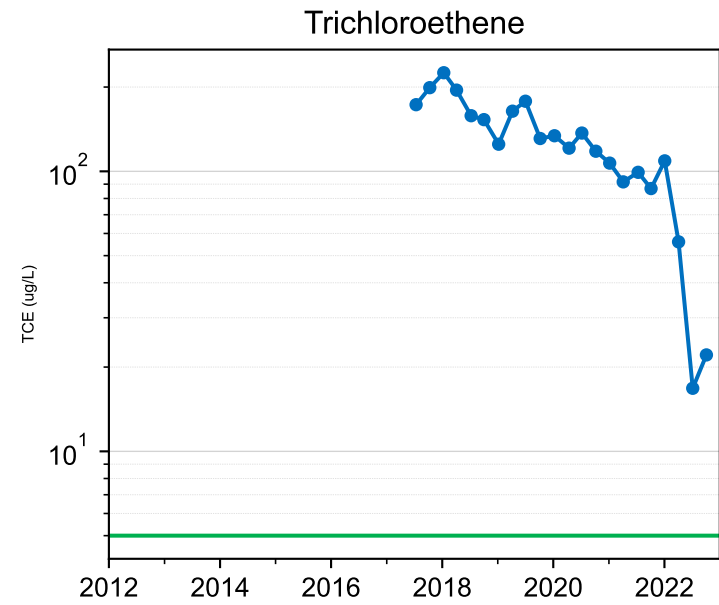
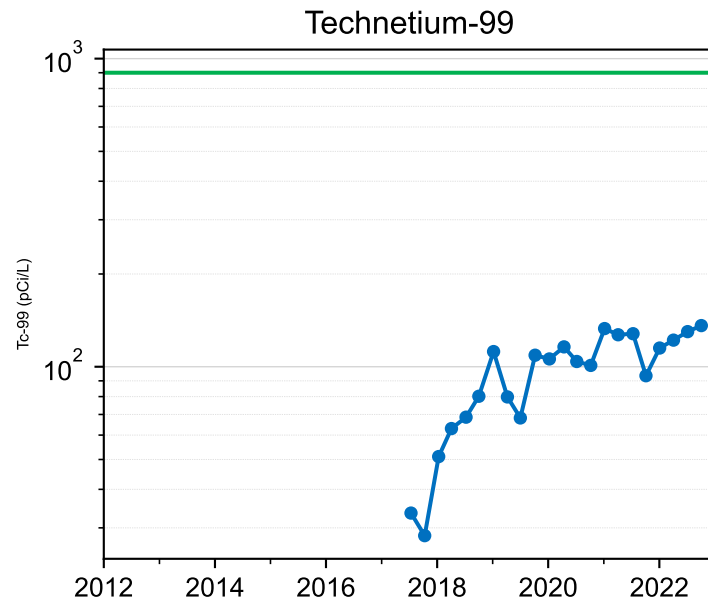
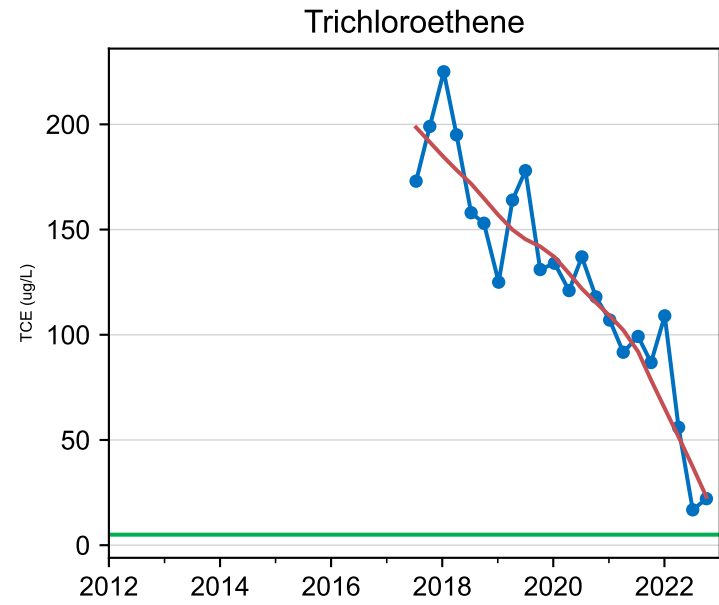
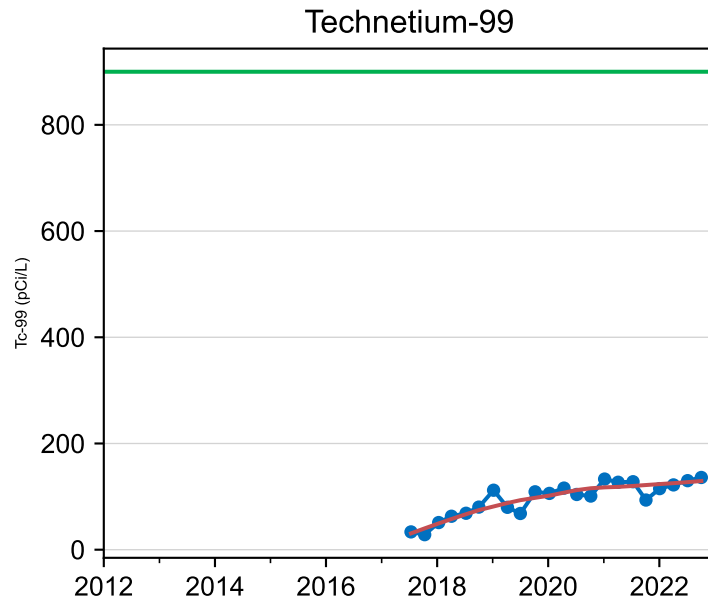
● Data
— LOWESS
— MCLs

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Figure 233. Tc-99 and TCE at MW533 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
07/13/2017	33.5	173.0
10/11/2017	28.3	199.0
01/11/2018	51.1	225.0
04/05/2018	63.0	195.0
07/10/2018	68.6	158.0
10/02/2018	80.2	153.0
01/07/2019	112.0	125.0
04/08/2019	79.8	164.0
07/02/2019	68.2	178.0
10/07/2019	109.0	131.0
01/09/2020	106.0	134.0
04/14/2020	116.0	121.0
07/07/2020	104.0	137.0
10/07/2020	101.0	118.0
01/06/2021	133.0	107.0 J
04/05/2021	127.0	91.7
07/12/2021	128.0	99.2 J
10/05/2021	93.5	86.8
01/03/2022	115.0	109.0
04/04/2022	122.0	56.0
07/06/2022	130.0	16.8
10/04/2022	136.0	22.1



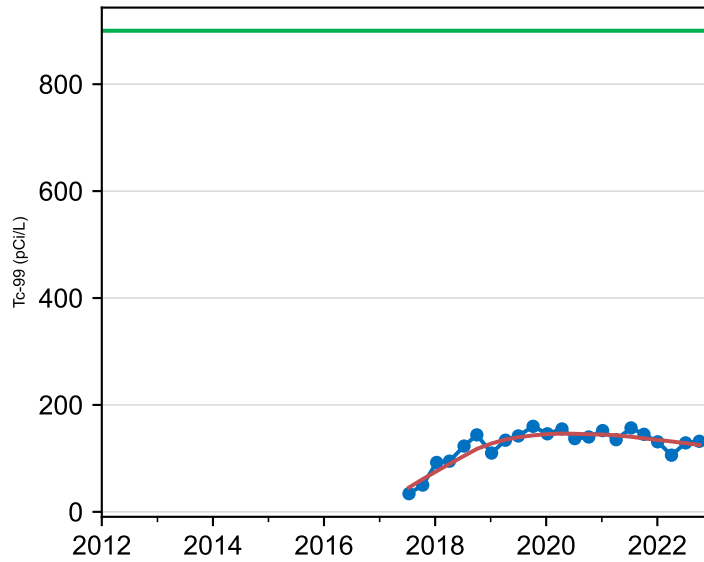
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

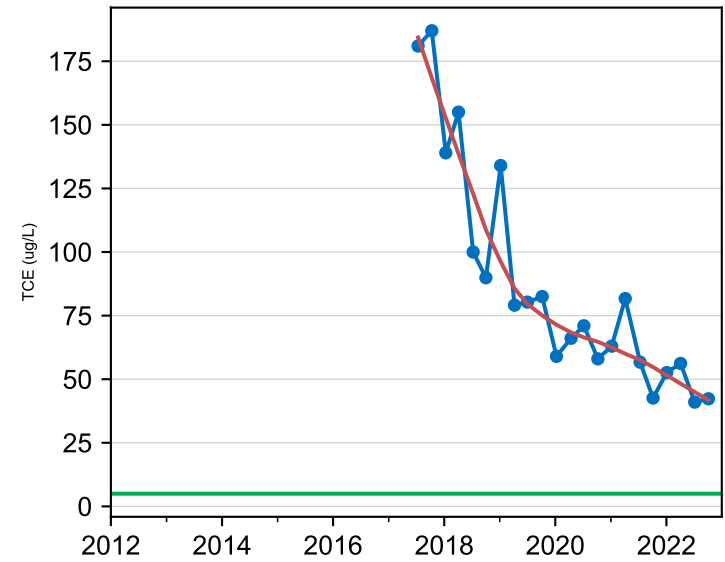
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Figure 234. Tc-99 and TCE at MW536 (LRGA)

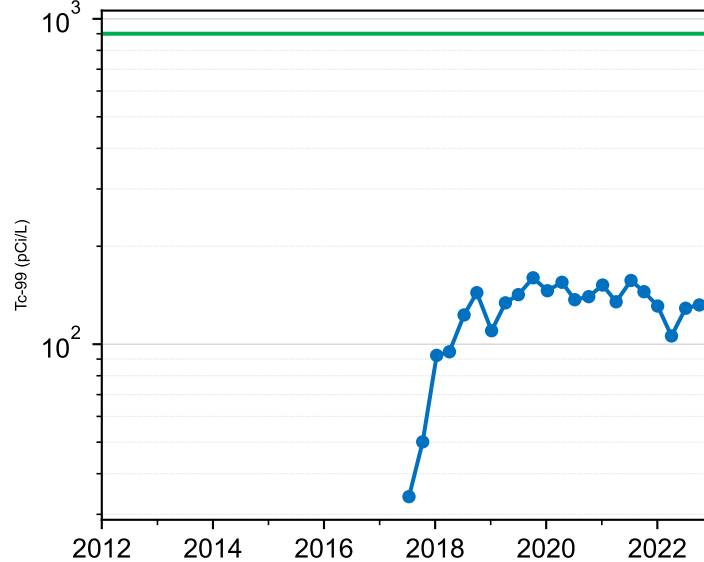
Technetium-99



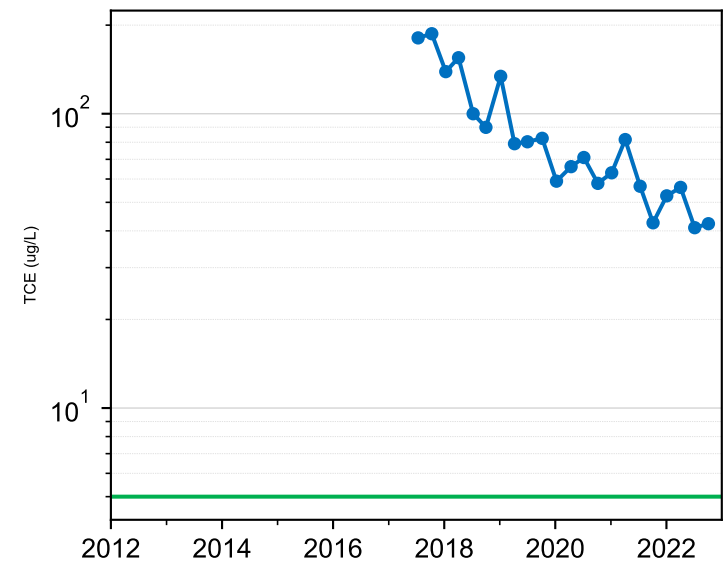
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
07/13/2017	34.0	181.0
10/11/2017	50.1	187.0
01/11/2018	92.4	139.0
04/05/2018	94.8	155.0
07/10/2018	123.0	100.0
10/02/2018	144.0	89.9
01/07/2019	110.0	134.0
04/08/2019	134.0	79.1
07/02/2019	142.0	80.3
10/07/2019	160.0	82.5
01/09/2020	146.0	59.0
04/14/2020	155.0	66.1
07/07/2020	137.0	71.0
10/07/2020	140.0	58.0
01/06/2021	152.0	63.0 J
04/05/2021	135.0	81.7
07/12/2021	157.0	56.7
10/05/2021	145.0	42.6
01/03/2022	131.0	52.6
04/04/2022	106.0	56.2
07/06/2022	129.0	41.0
10/04/2022	132.0	42.3

- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

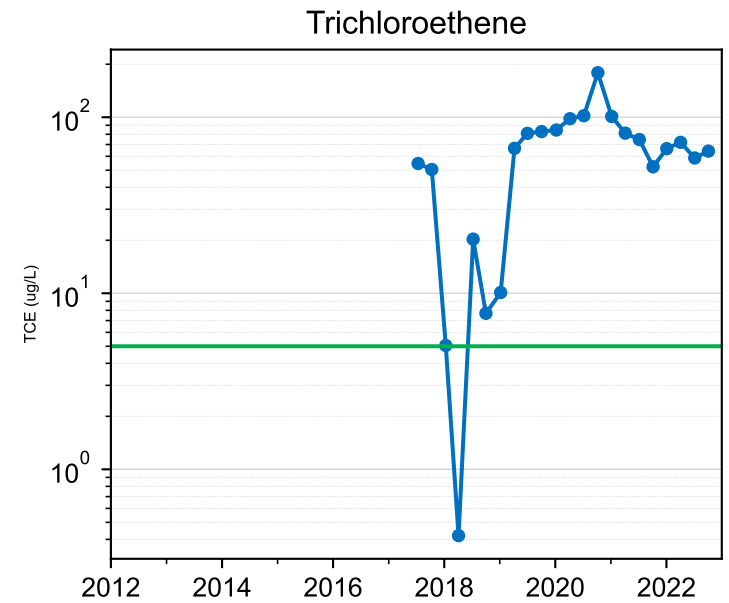
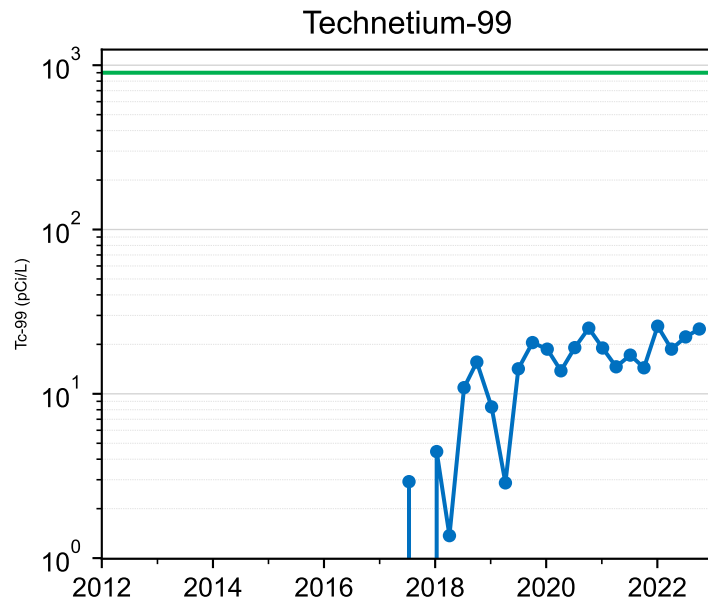
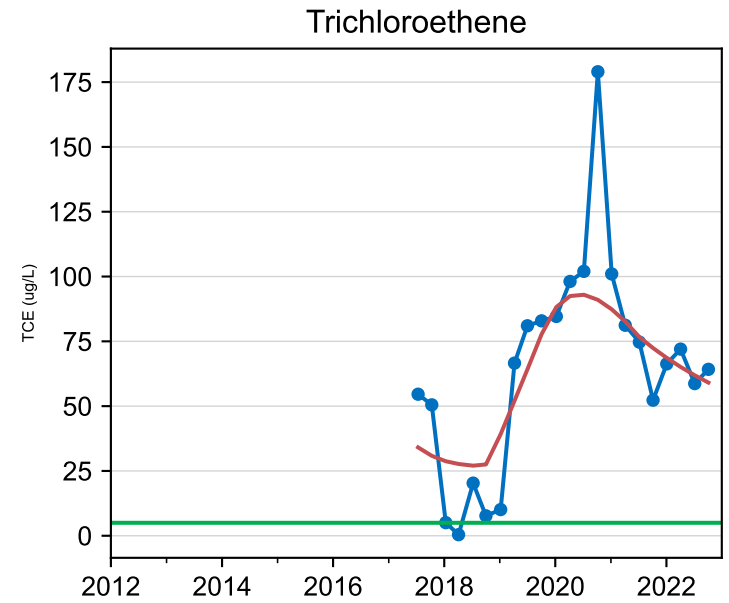
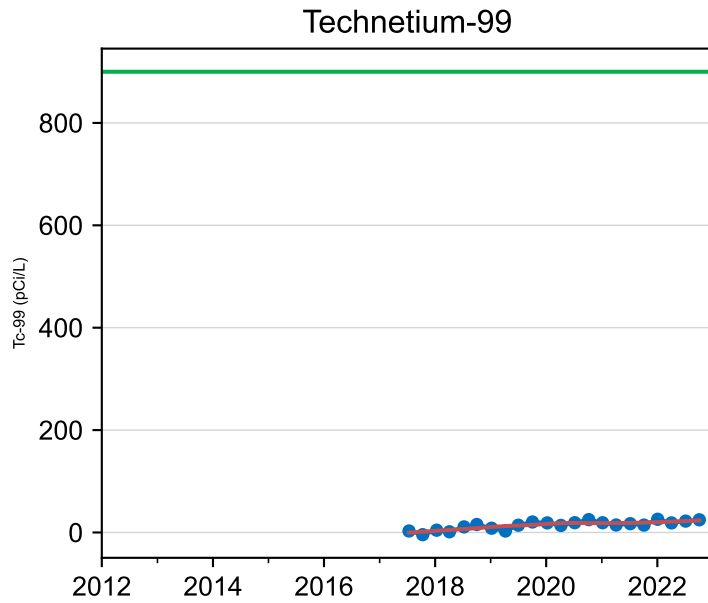
● Data
— LOWESS
— MCLs

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Figure 235. Tc-99 and TCE at MW537 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
07/13/2017	2.92 U	54.6
10/11/2017	-4.28 U	50.5
01/11/2018	4.45 U	5.05
04/05/2018	1.37 U	0.42 J
07/10/2018	10.9 U	20.3
10/02/2018	15.6	7.69
01/07/2019	8.32 U	10.1
04/08/2019	2.87 U	66.6
07/02/2019	14.2	81.0
10/03/2019	20.5	82.9
01/08/2020	18.7	84.6
04/07/2020	13.8	98.1
07/07/2020	19.1	102.0
10/07/2020	25.1	179.0
01/06/2021	19.0	101.0
04/05/2021	14.6	81.2
07/07/2021	17.2	74.7
10/05/2021	14.4	52.3
01/03/2022	25.8	66.3
04/04/2022	18.7	72.0
07/06/2022	22.2	58.7
10/04/2022	24.8	64.2



Notes:

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2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

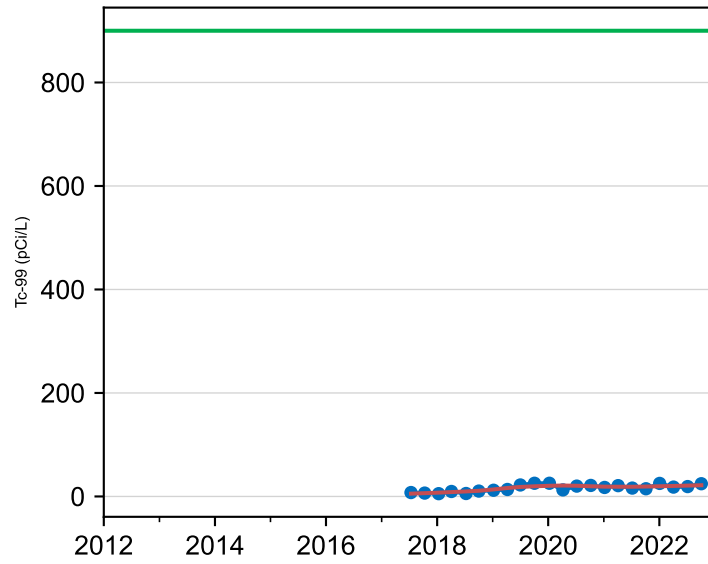
● Data
— LOWESS
— MCLs

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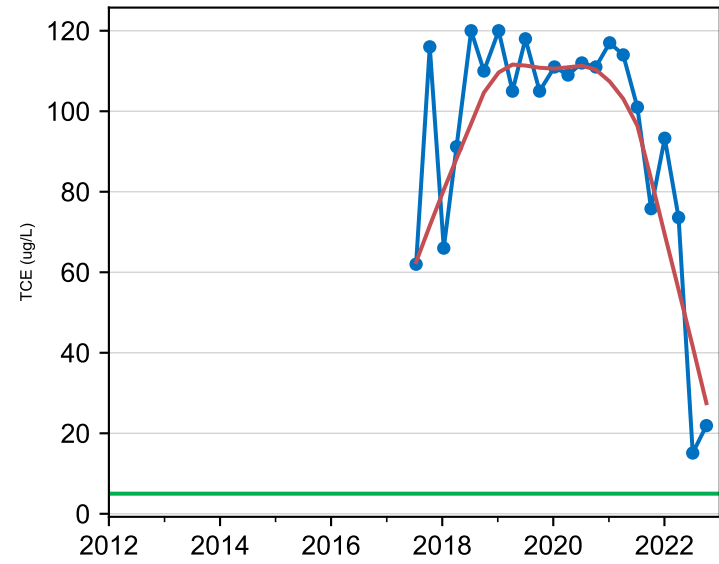
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 NUCLEAR PARTNERSHIP, LLC

Figure 236. Tc-99 and TCE at MW538 (MRGA)

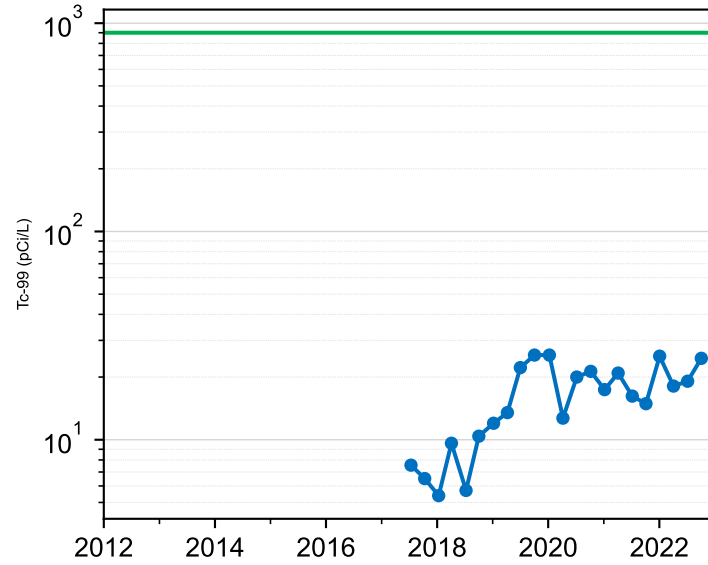
Technetium-99



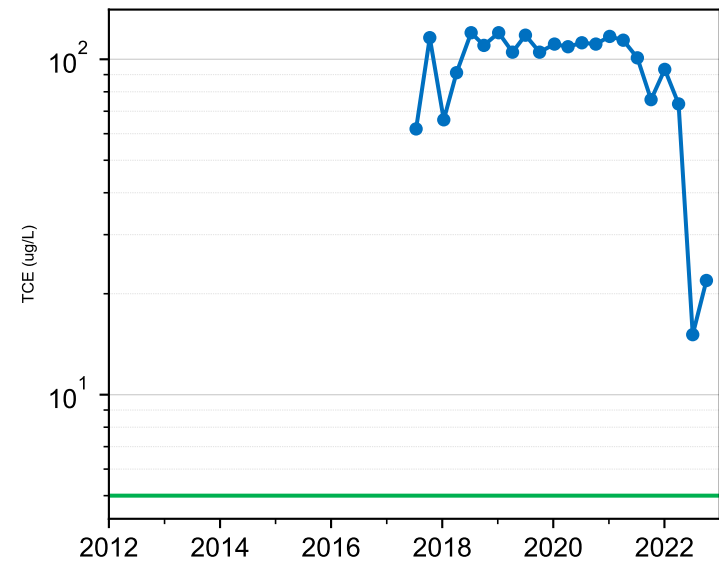
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
07/13/2017	7.55 U	62.0
10/11/2017	6.51 U	116.0
01/11/2018	5.39 U	66.0
04/05/2018	9.62	91.2
07/10/2018	5.71 U	120.0
10/02/2018	10.4	110.0
01/07/2019	12.0	120.0
04/08/2019	13.5	105.0
07/02/2019	22.2	118.0
10/03/2019	25.5	105.0
01/09/2020	25.5	111.0
04/07/2020	12.7 U	109.0
07/07/2020	20.0	112.0
10/07/2020	21.3	111.0
01/06/2021	17.4	117.0
04/05/2021	20.9	114.0
07/07/2021	16.2	101.0
10/05/2021	14.9	75.8
01/03/2022	25.2	93.3
04/04/2022	18.1	73.6
07/06/2022	19.1	15.1
10/04/2022	24.6	21.9

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

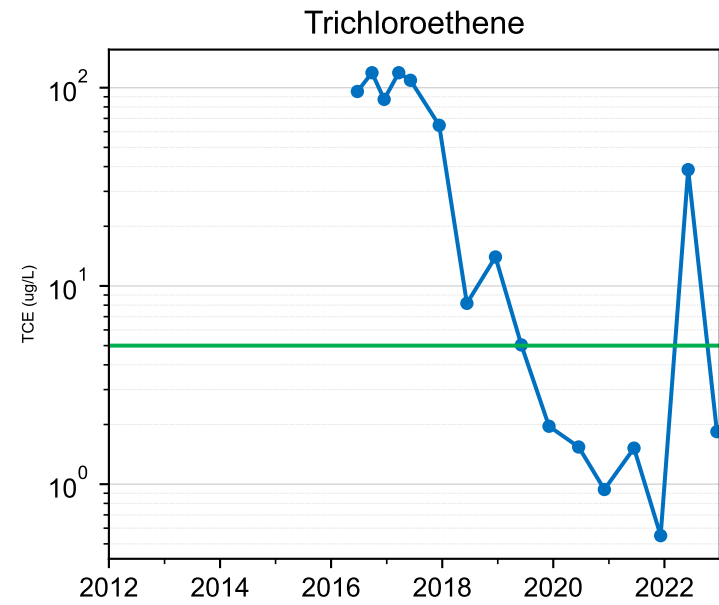
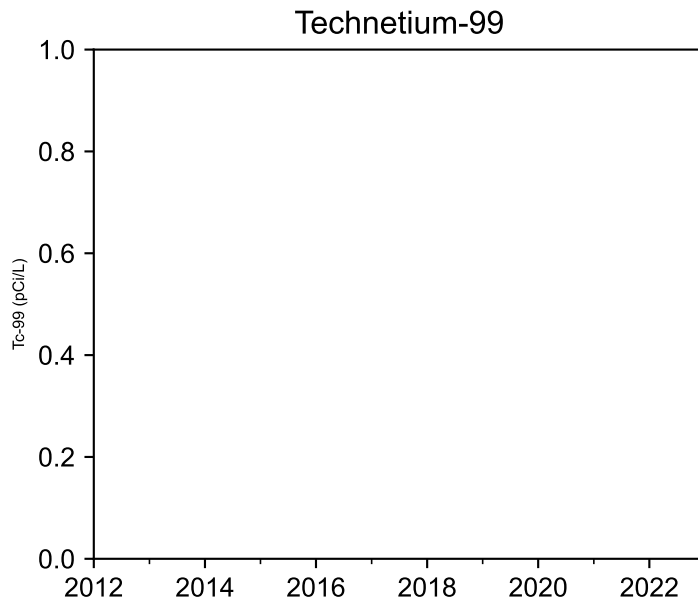
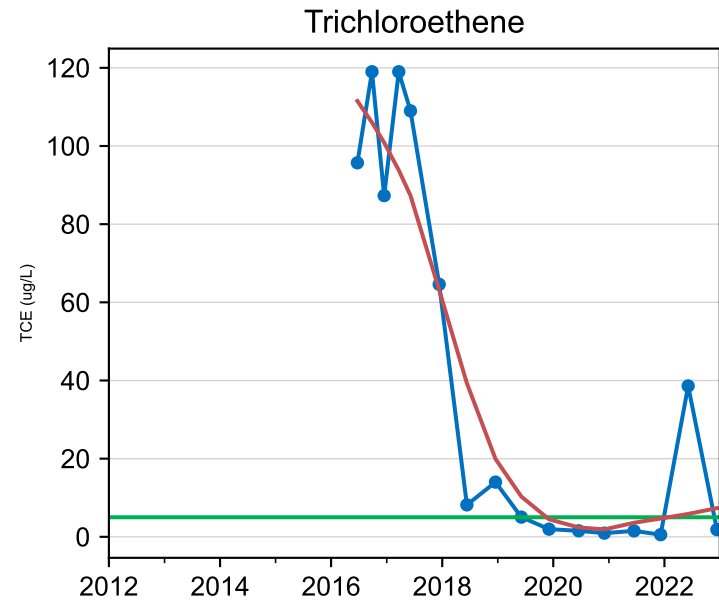
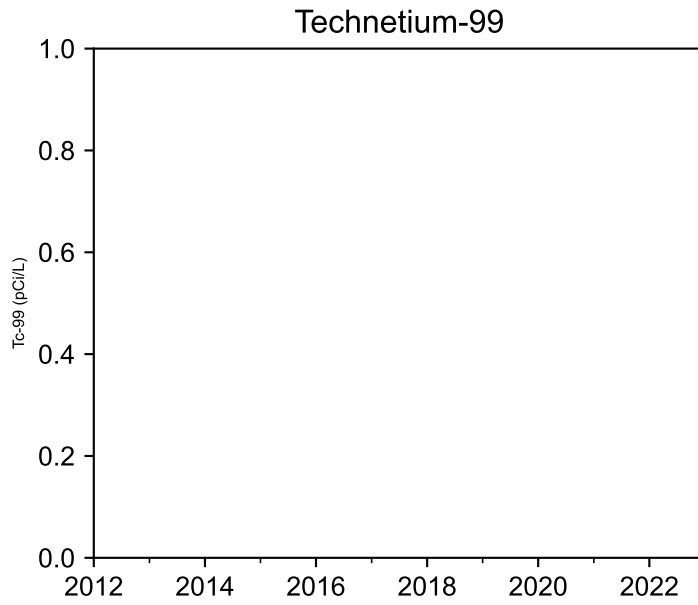
● Data
 — LOWESS
 — MCLs

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Figure 237. Tc-99 and TCE at MW539 (LRGA)

Sample Date	Trichloroethene (ug/L)
06/22/2016	95.7
09/26/2016	119.0
12/15/2016	87.3
03/21/2017	119.0
06/06/2017	109.0
12/12/2017	64.6
06/12/2018	8.17
12/17/2018	14.0
06/05/2019	5.04
12/04/2019	1.96
06/16/2020	1.54
12/02/2020	0.94 J
06/15/2021	1.52
12/07/2021	0.55 J
06/06/2022	38.6 J
12/12/2022	1.84



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

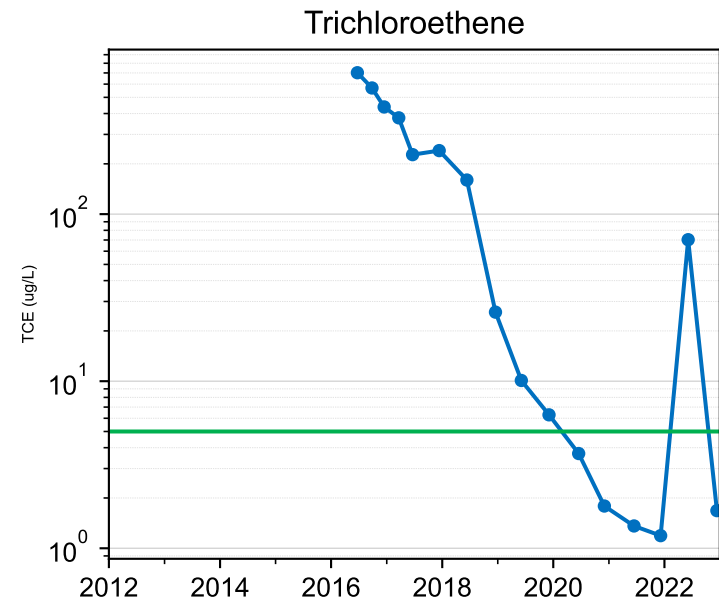
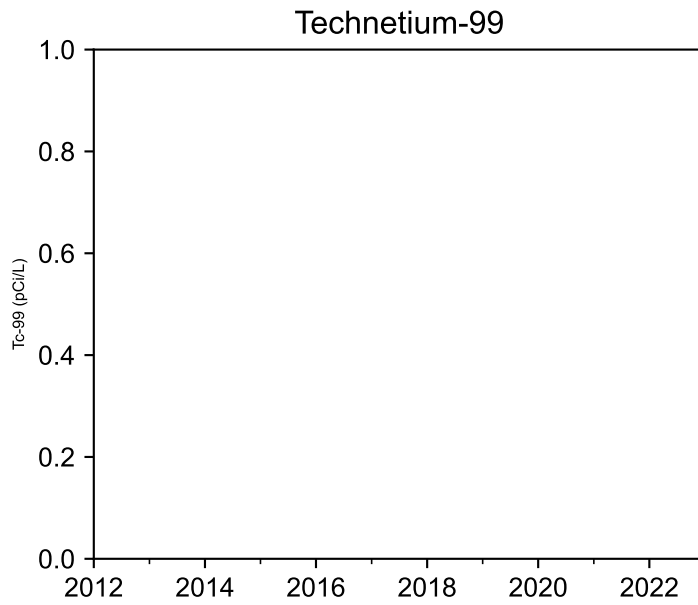
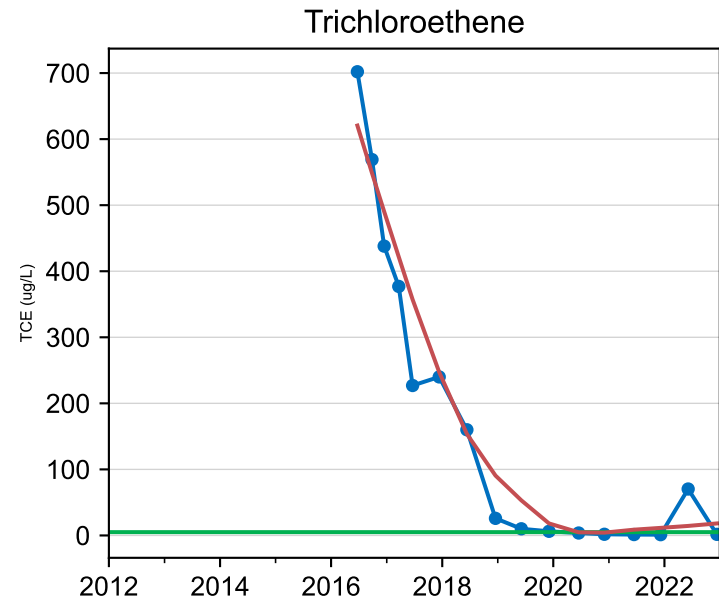
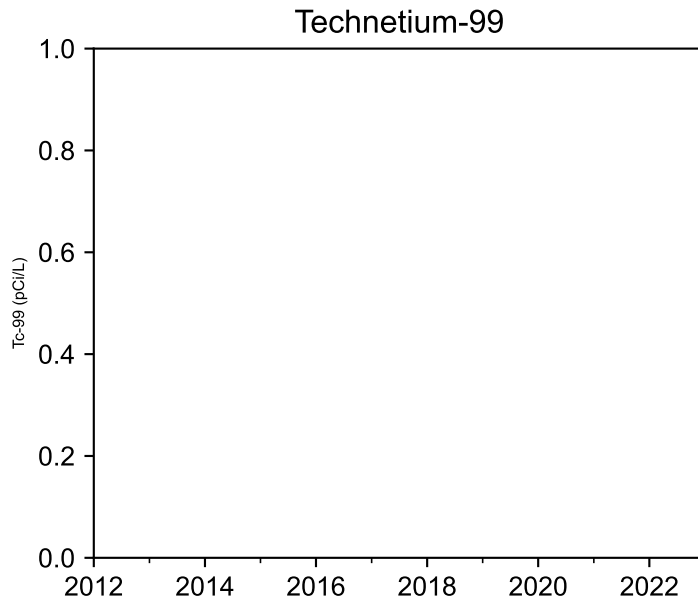
● Data
— LOWESS
— MCLs

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Figure 238. Tc-99 and TCE at MW542 (URGA)

Sample Date	Trichloroethene (ug/L)
06/22/2016	702.0
09/26/2016	569.0
12/15/2016	438.0
03/21/2017	377.0
06/20/2017	227.0
12/12/2017	240.0
06/12/2018	160.0
12/17/2018	25.9
06/05/2019	10.1
12/04/2019	6.29
06/16/2020	3.69
12/02/2020	1.79
06/15/2021	1.36
12/07/2021	1.19
06/06/2022	70.3 J
12/12/2022	1.68



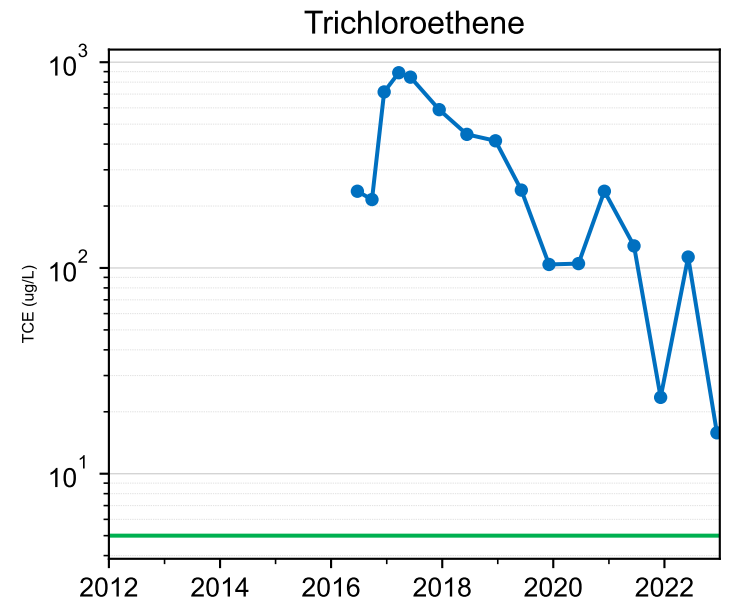
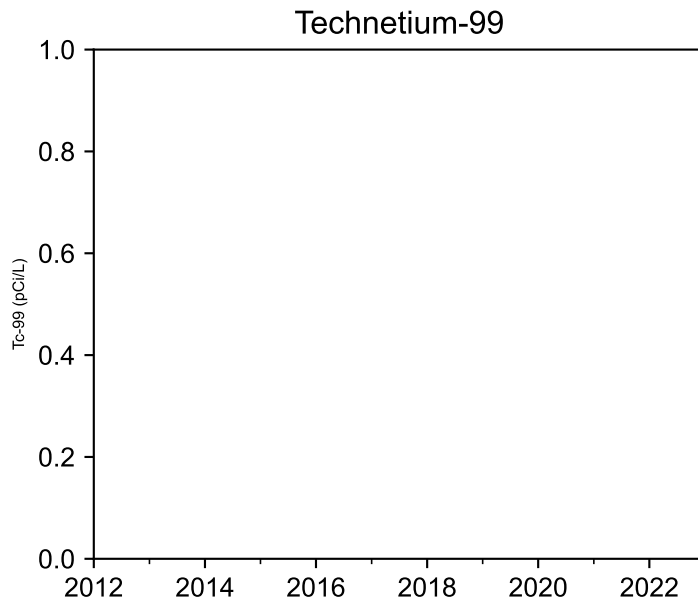
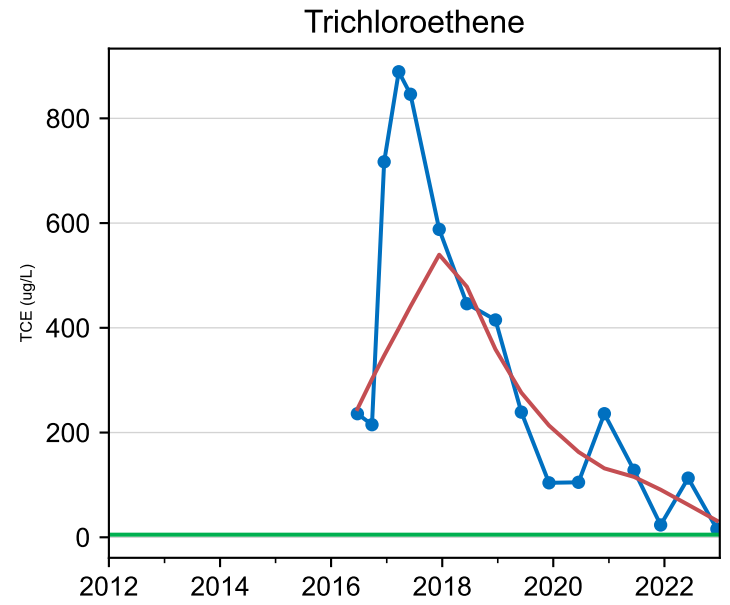
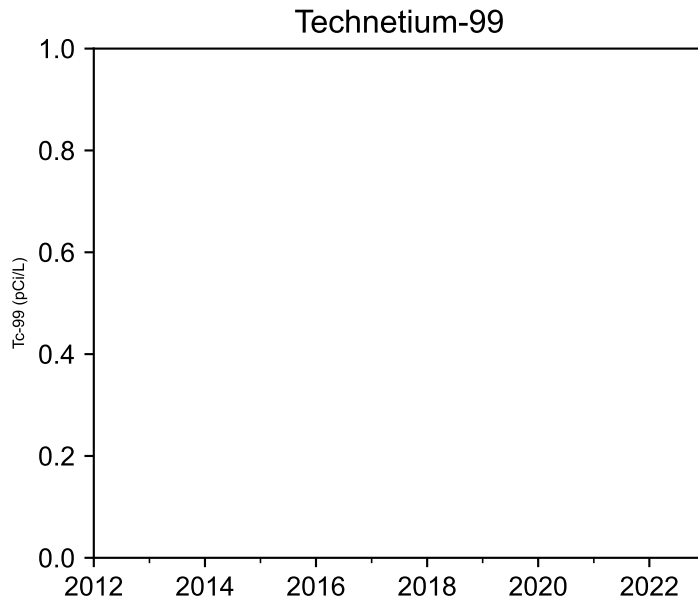
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

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Figure 239. Tc-99 and TCE at MW543 (URGA)

Sample Date	Trichloroethene (ug/L)
06/22/2016	236.0
09/26/2016	215.0
12/15/2016	717.0
03/21/2017	889.0
06/06/2017	846.0
12/12/2017	588.0
06/12/2018	446.0
12/17/2018	415.0
06/05/2019	239.0
12/04/2019	104.0
06/15/2020	105.0
12/02/2020	236.0
06/15/2021	128.0
12/07/2021	23.5
06/06/2022	113.0 J
12/12/2022	15.8



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

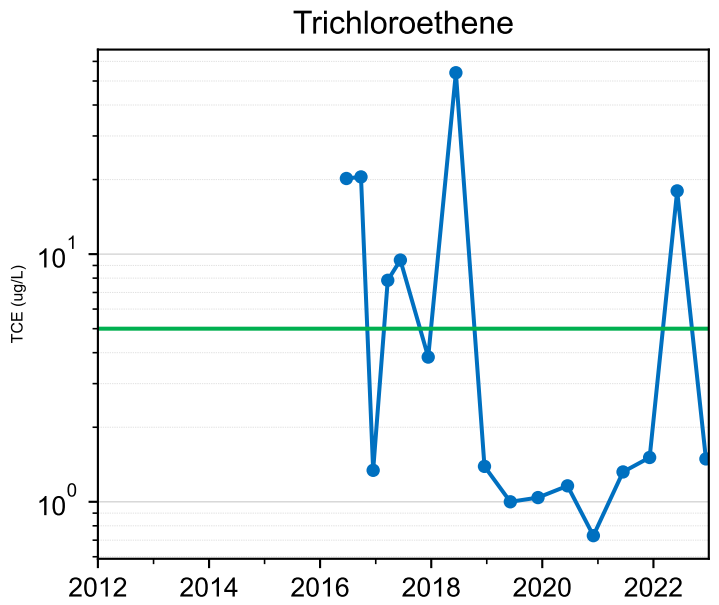
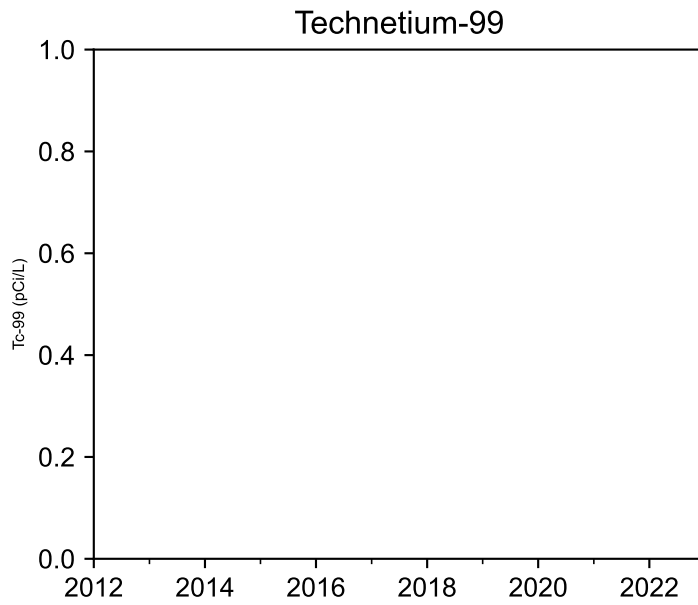
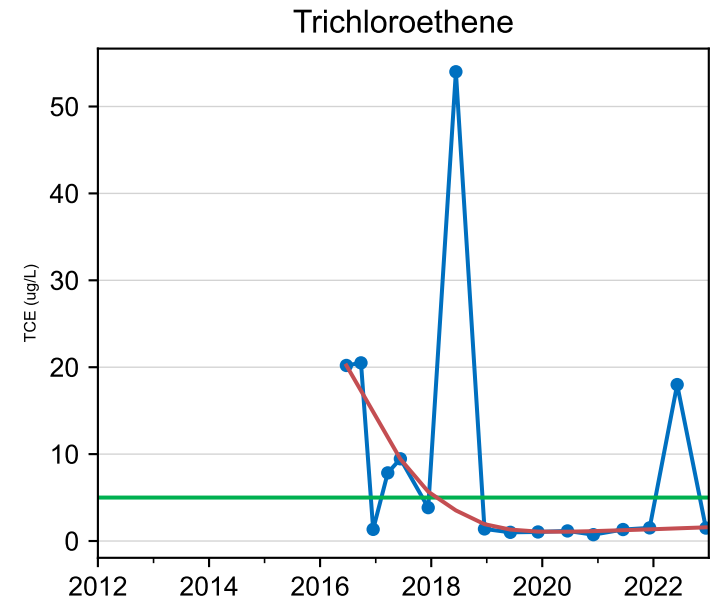
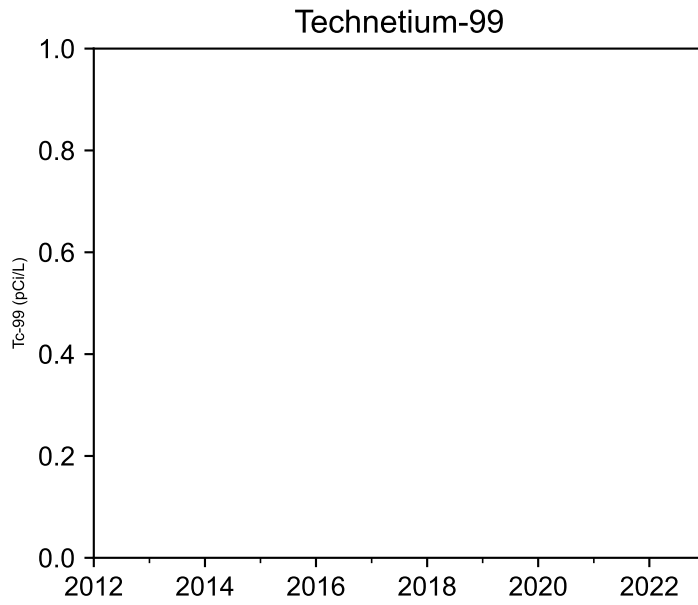
● Data
— LOWESS
— MCLs

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Figure 240. Tc-99 and TCE at MW544 (URGA)

Sample Date	Trichloroethene (ug/L)
06/22/2016	20.2
09/26/2016	20.5
12/15/2016	1.34
03/21/2017	7.84
06/12/2017	9.46
12/12/2017	3.84
06/12/2018	54.0
12/17/2018	1.39
06/05/2019	1.0 U
12/04/2019	1.04
06/15/2020	1.16
12/02/2020	0.73 J
06/15/2021	1.32
12/07/2021	1.51
06/06/2022	18.0 J
12/12/2022	1.49



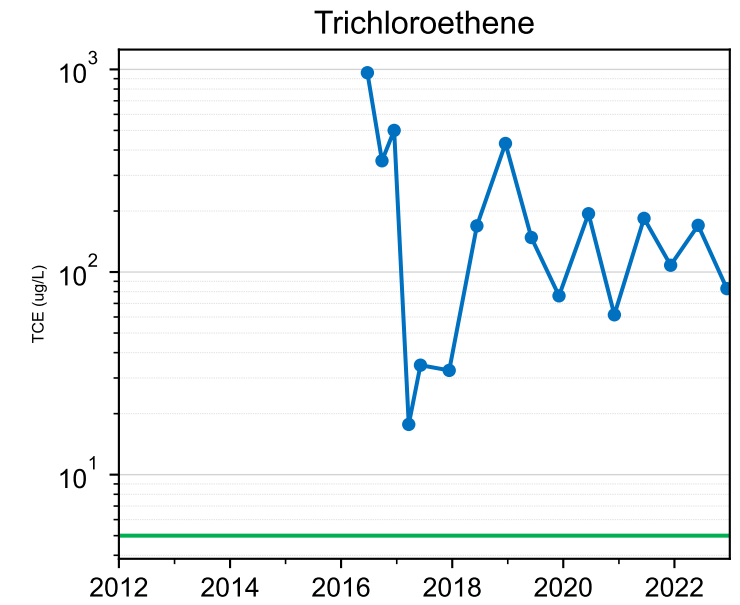
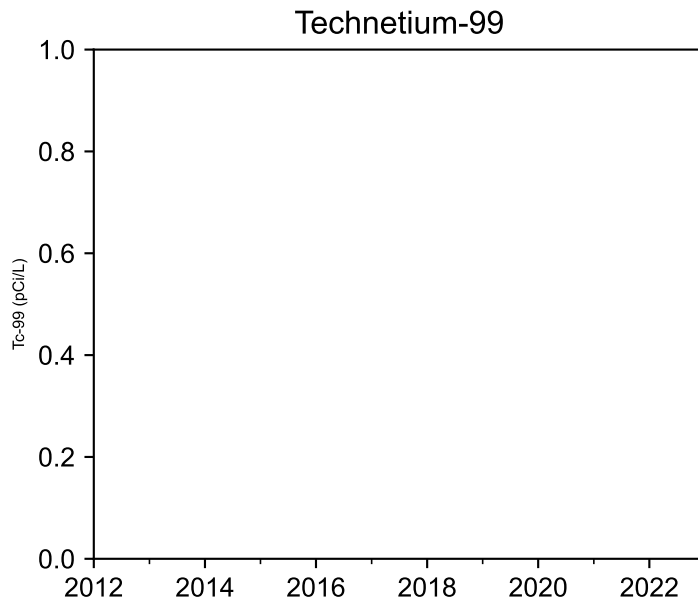
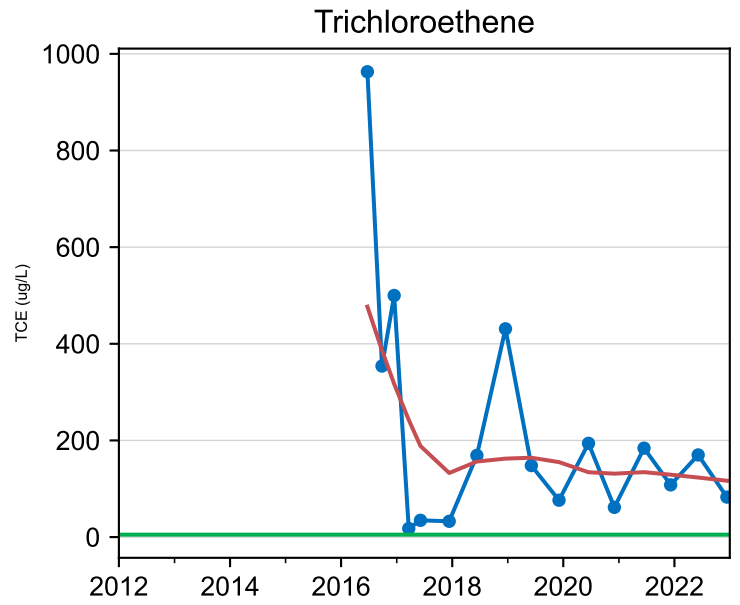
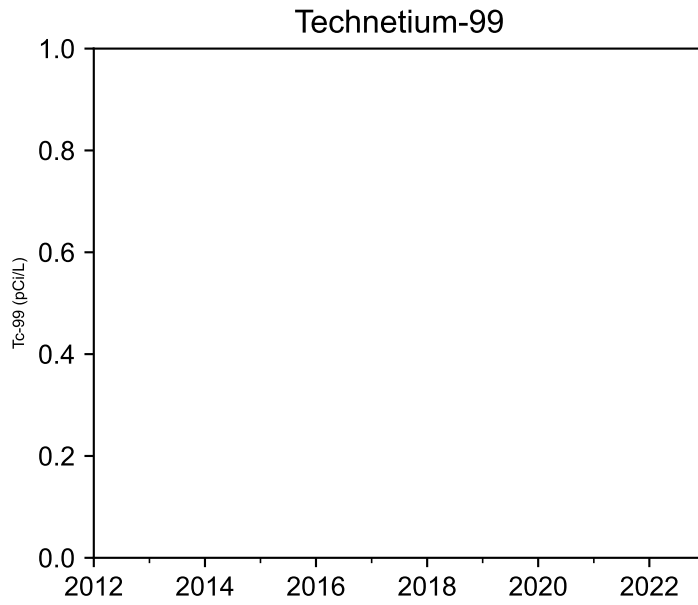
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

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Figure 241. Tc-99 and TCE at MW545 (URGA)

Sample Date	Trichloroethene (ug/L)
06/22/2016	963.0
09/26/2016	354.0
12/15/2016	500.0
03/21/2017	17.7
06/06/2017	34.7
12/12/2017	32.7
06/12/2018	169.0
12/17/2018	431.0
06/05/2019	148.0
12/04/2019	76.3
06/15/2020	194.0
12/02/2020	61.5
06/15/2021	184.0
12/07/2021	108.0
06/06/2022	170.0 J
12/12/2022	82.8



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

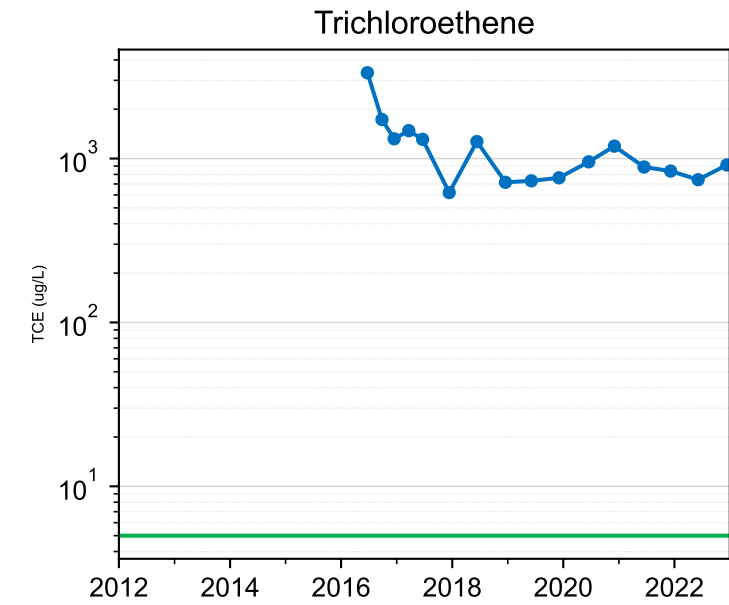
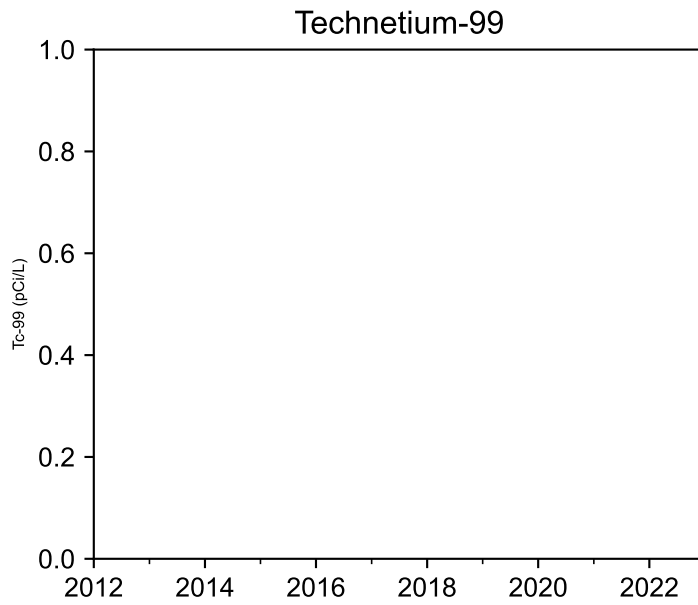
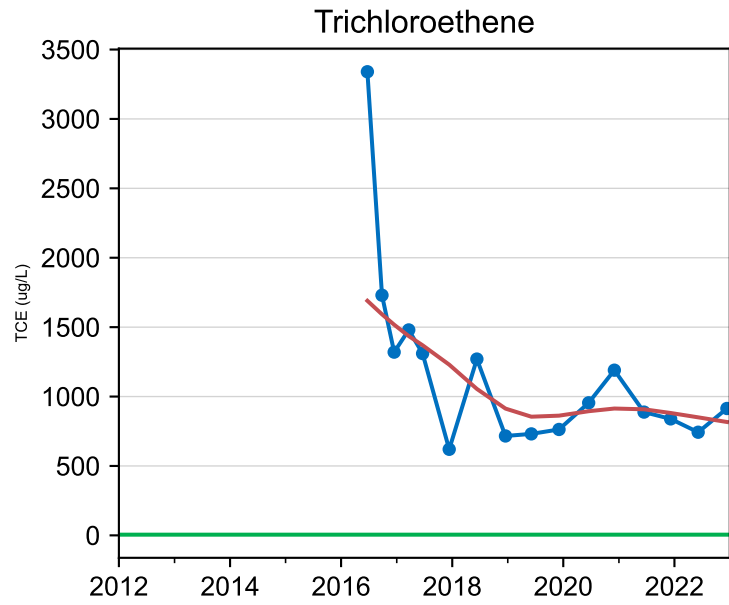
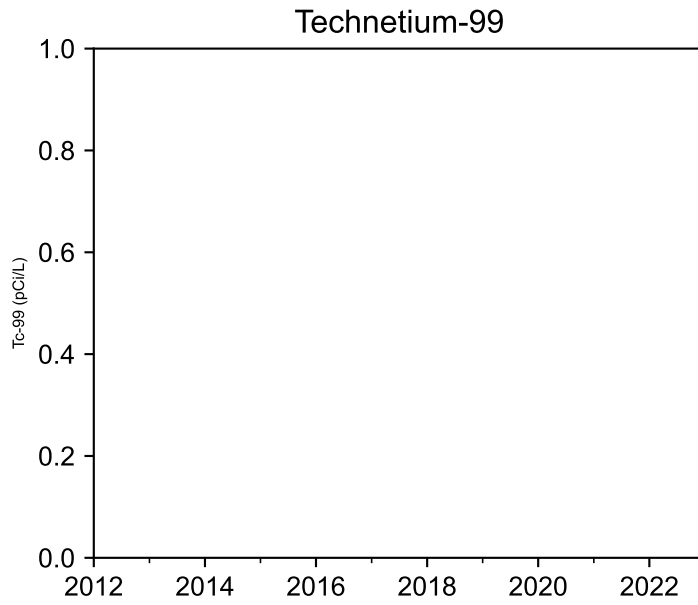
● Data — LOWESS
— MCLs

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Figure 242. Tc-99 and TCE at MW546 (URGA)

Sample Date	Trichloroethene (ug/L)
06/22/2016	3340.0
09/26/2016	1730.0
12/15/2016	1320.0
03/21/2017	1480.0
06/20/2017	1310.0
12/12/2017	620.0
06/12/2018	1270.0
12/17/2018	716.0
06/05/2019	731.0
12/04/2019	763.0
06/16/2020	955.0
12/02/2020	1190.0
06/15/2021	888.0
12/07/2021	839.0
06/06/2022	743.0 J
12/12/2022	914.0



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs


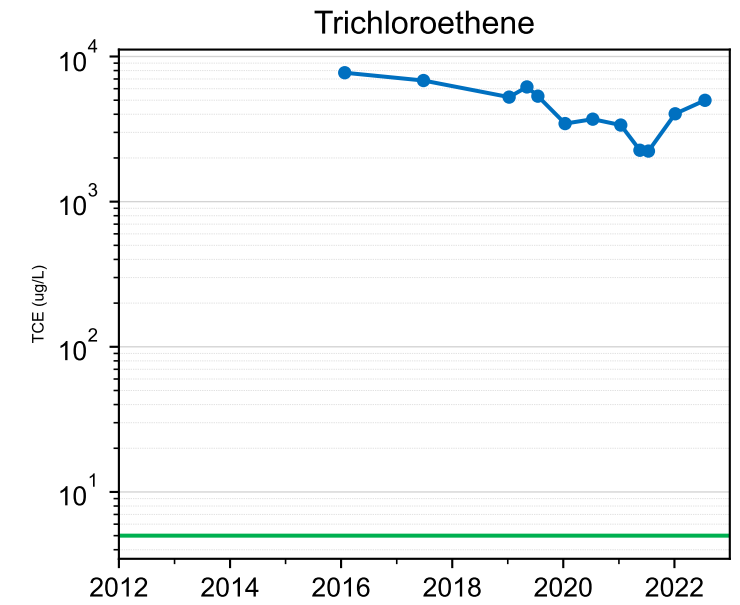
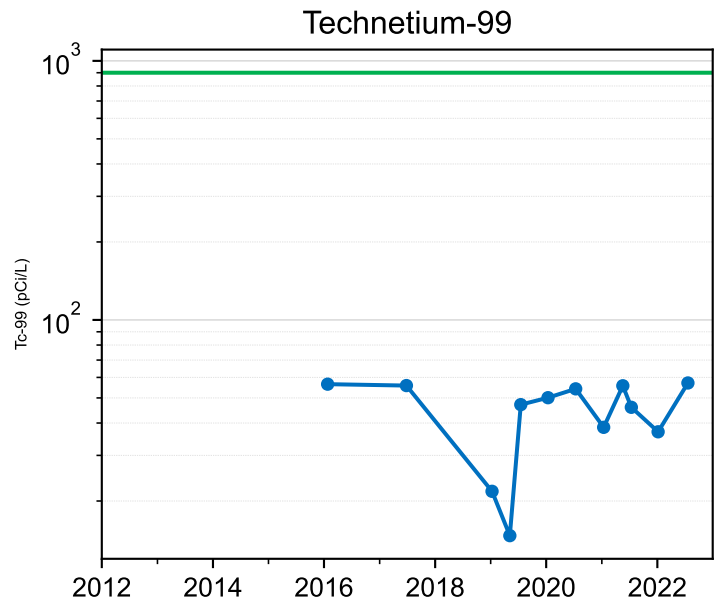
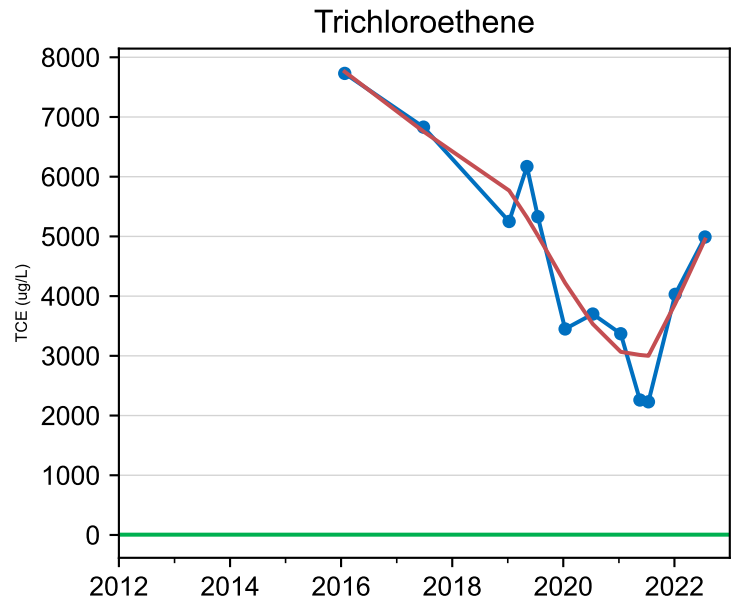
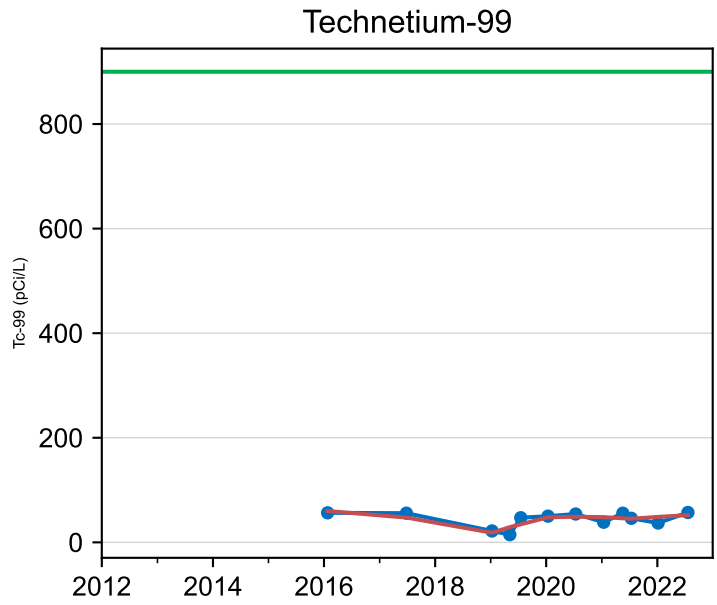
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Figure 243. Tc-99 and TCE at MW547 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/25/2016	56.5	7730.0
06/26/2017	55.8	6830.0
01/10/2019	21.8 U	5250.0
05/07/2019	14.7 U	6170.0
07/18/2019	47.1	5330.0
01/13/2020	50.1	3450.0
07/13/2020	54.2	3700.0
01/13/2021	38.5	3370.0
05/19/2021	55.7	2260.0 J
07/14/2021	46.0	2230.0
01/06/2022	37.0	4030.0
07/21/2022	57.1	4990.0



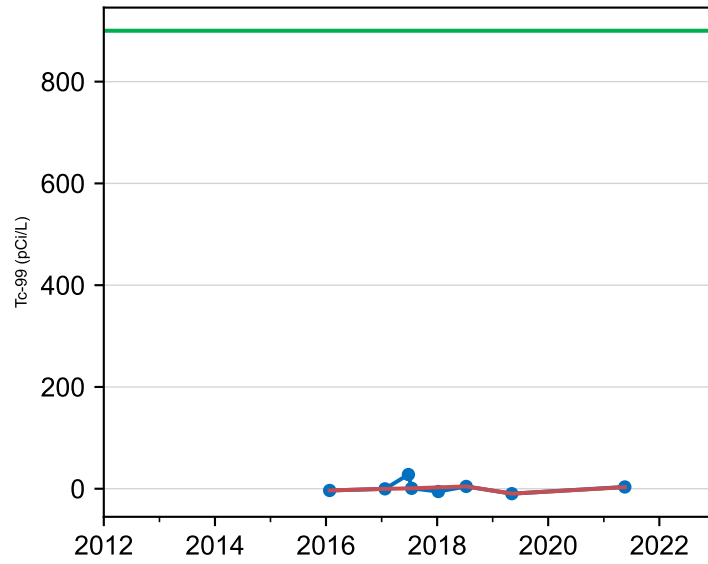
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

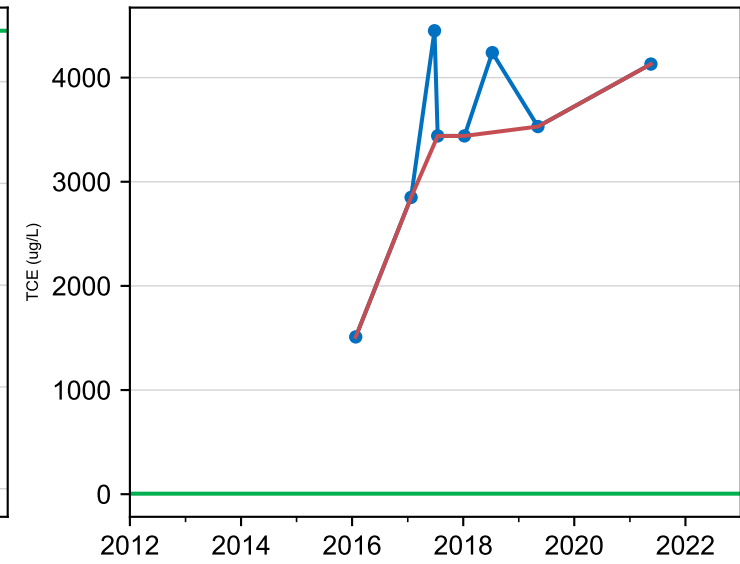
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Figure 244. Tc-99 and TCE at MW548 (LRGA)

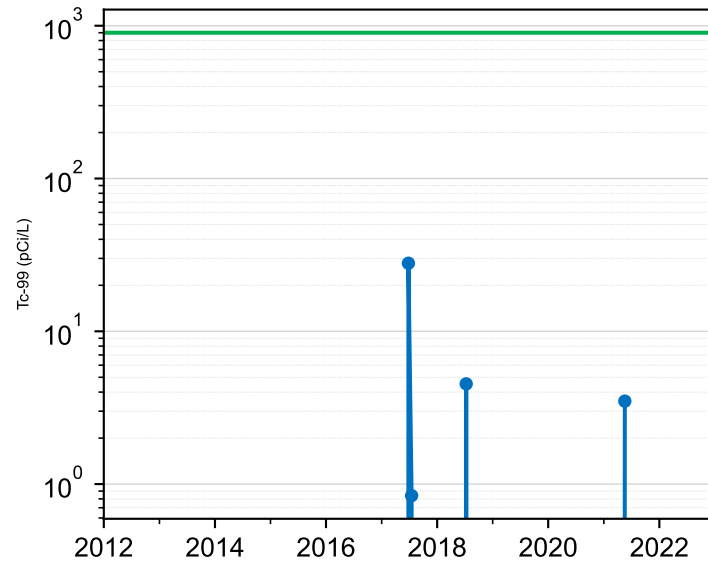
Technetium-99



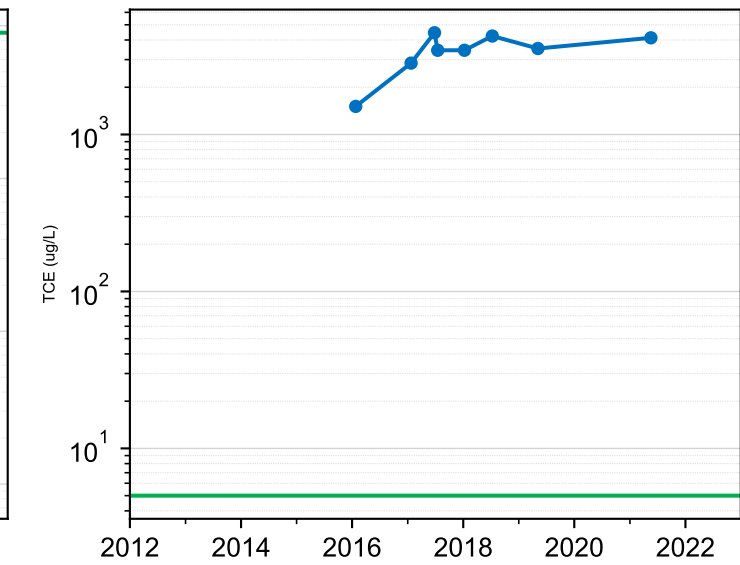
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/25/2016	-3.39 U	1510.0
01/23/2017	-0.228 U	2850.0
06/28/2017	27.9	4450.0
07/17/2017	0.84 U	3440.0
01/09/2018	-5.48 U	3440.0
07/11/2018	4.53 U	4240.0
05/07/2019	-9.69 U	3530.0
05/19/2021	3.49 U	4130.0 J

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

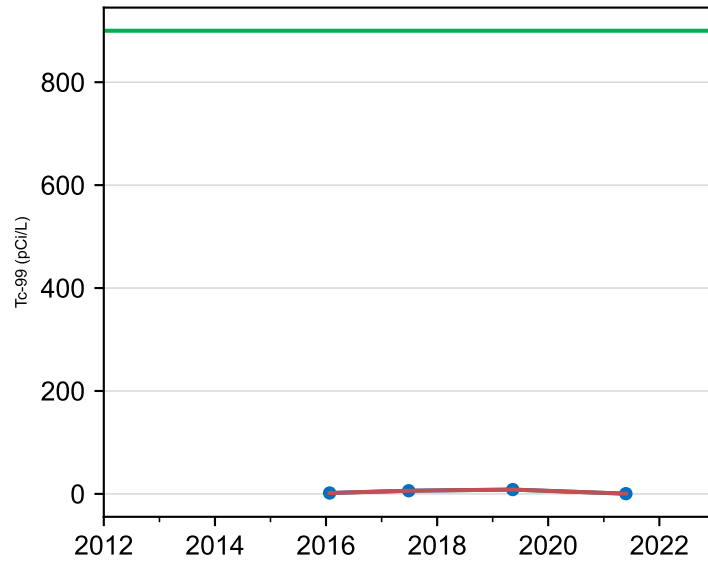
● Data
 — LOWESS
 — MCLs

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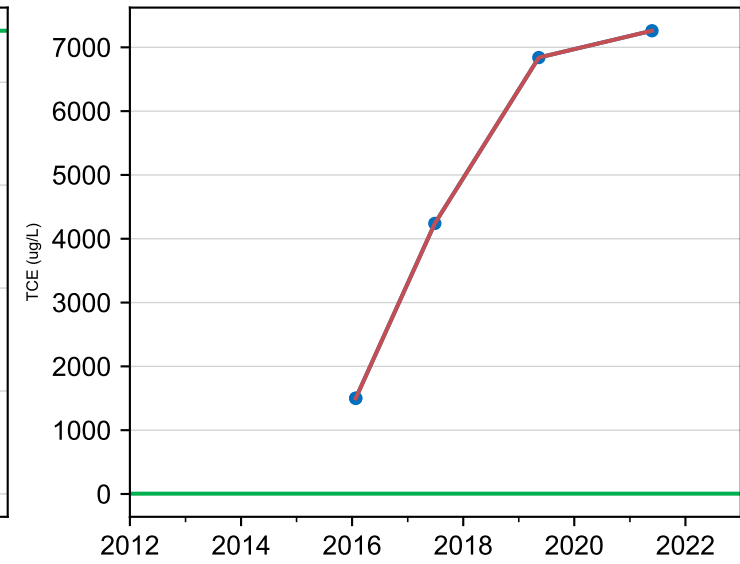
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 245. Tc-99 and TCE at MW549 (URGA)

Technetium-99

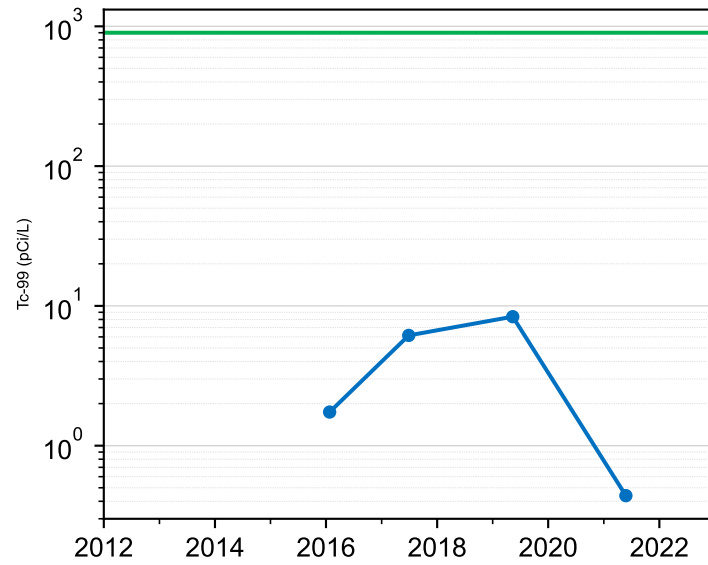


Trichloroethene

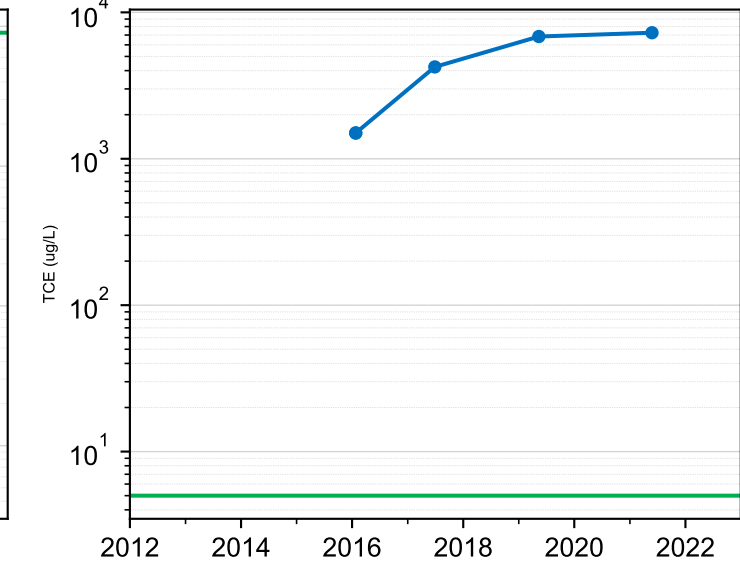


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/25/2016	1.74 U	1500.0
06/28/2017	6.15 U	4240.0
05/13/2019	8.37 U	6840.0
05/26/2021	0.439 U	7260.0 J

Technetium-99



Trichloroethene



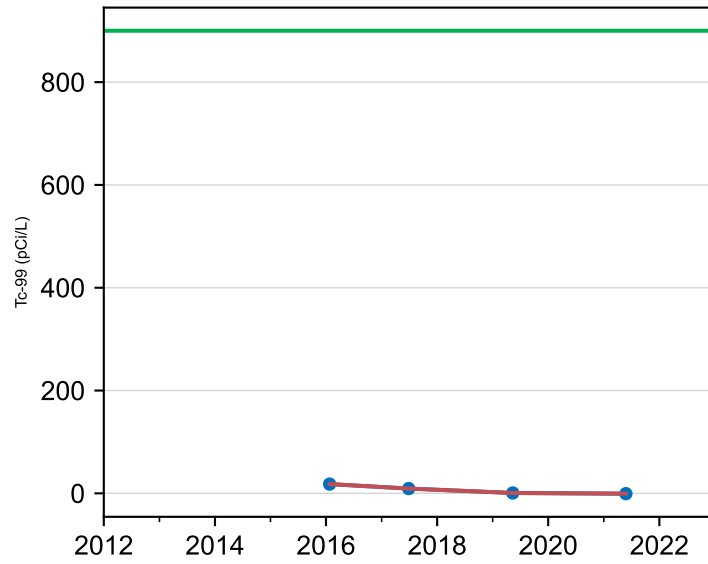
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

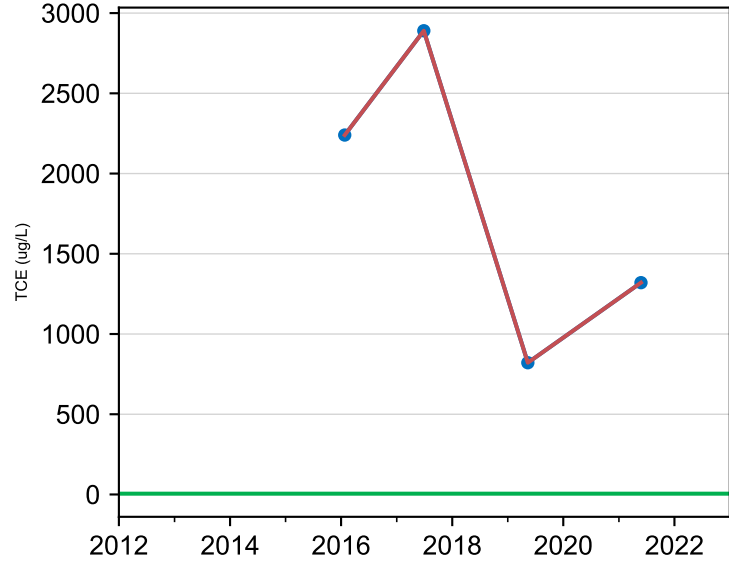
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 PADUCAH GASEOUS DIFFUSION PLANT

Figure 246. Tc-99 and TCE at MW550 (URGA)

Technetium-99

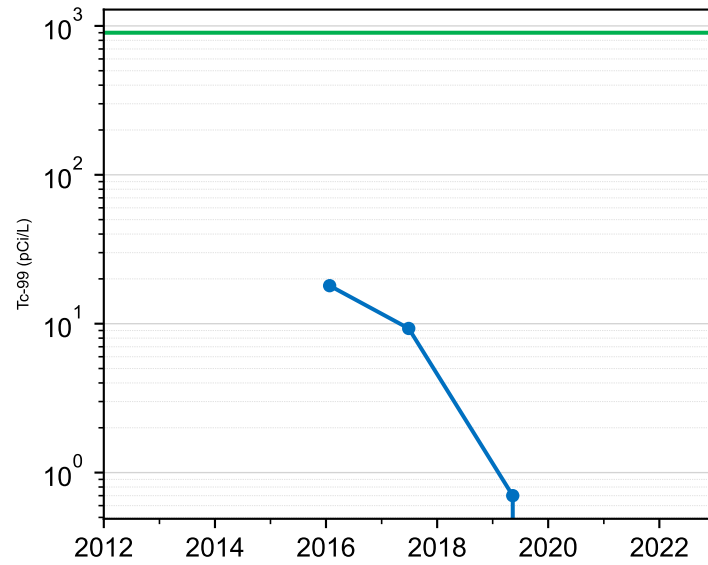


Trichloroethene

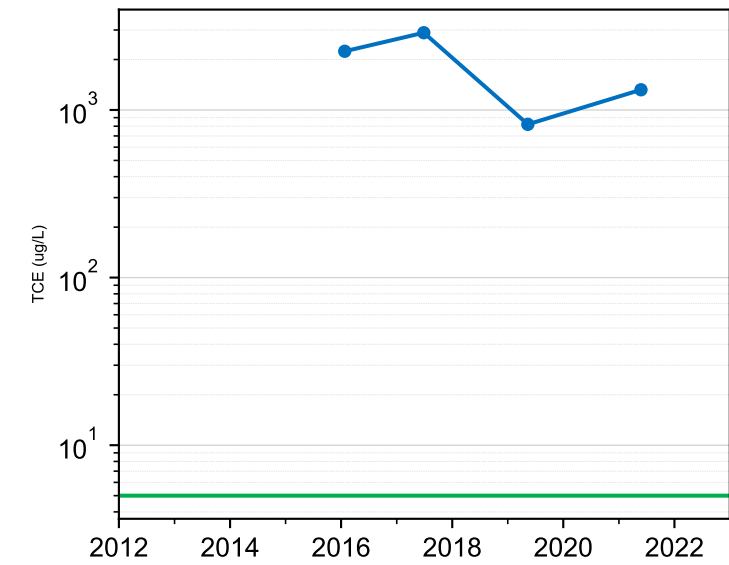


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/25/2016	18.0 U	2240.0
06/28/2017	9.29 U	2890.0
05/13/2019	0.7 U	821.0
05/26/2021	-0.634 U	1320.0

Technetium-99



Trichloroethene



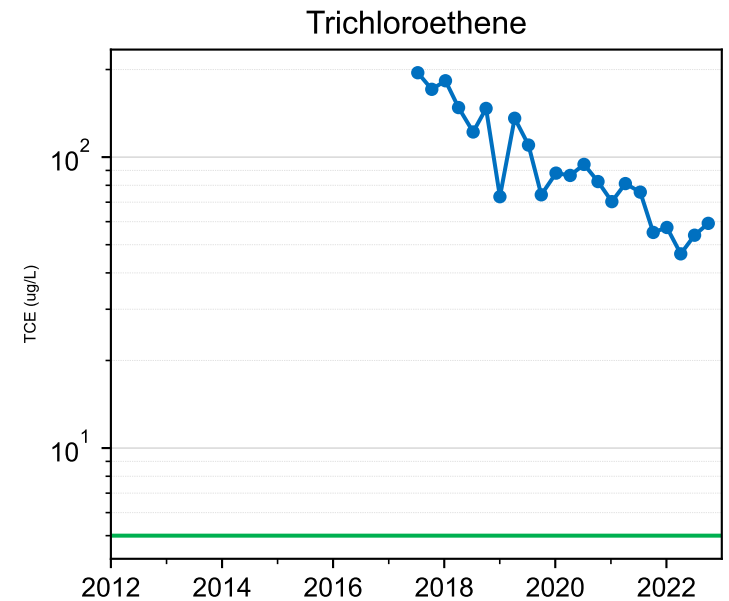
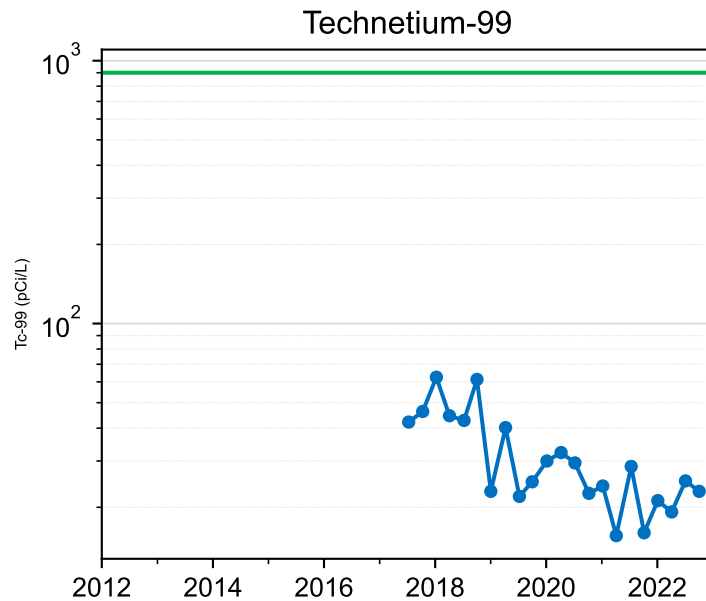
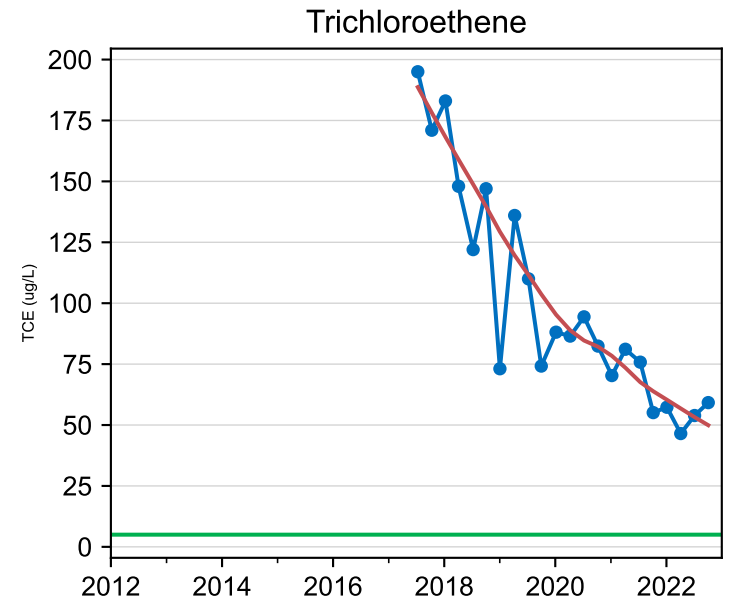
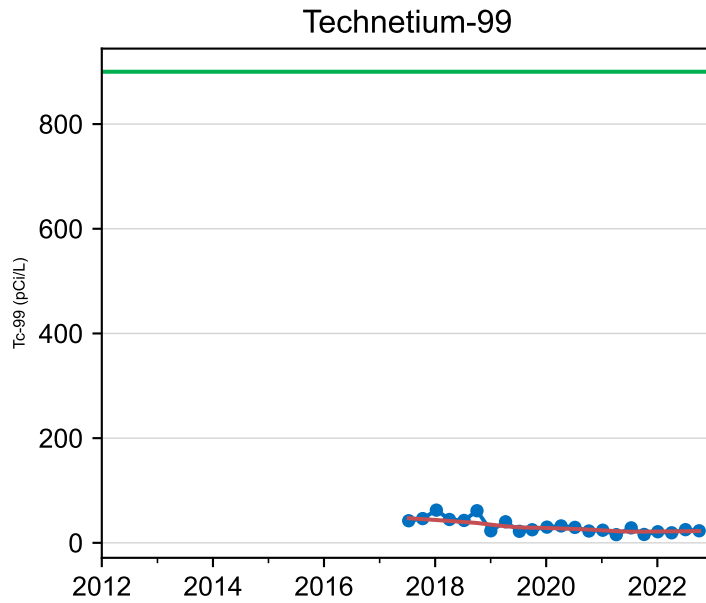
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 247. Tc-99 and TCE at MW551 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
07/11/2017	42.2	195.0
10/11/2017	46.3	171.0
01/09/2018	62.5	183.0
04/05/2018	44.6	148.0
07/10/2018	42.8	122.0
10/03/2018	61.3	147.0
01/02/2019	23.0	73.1
04/09/2019	40.2	136.0
07/09/2019	22.0	110.0
10/01/2019	25.0	74.2
01/06/2020	30.0	88.1
04/08/2020	32.3	86.5
07/08/2020	29.5	94.4
10/08/2020	22.6	82.4
01/07/2021	24.1	70.3
04/06/2021	15.6	81.1
07/13/2021	28.6	75.8
10/06/2021	16.0	55.1
01/04/2022	21.2	57.3
04/05/2022	19.2	46.5
07/05/2022	25.2	53.9
10/03/2022	23.0	59.2



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

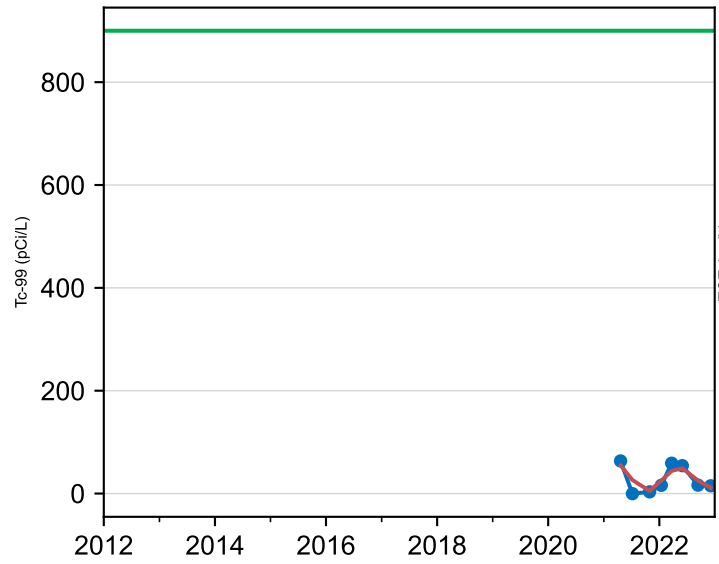
● Data
— LOWESS
— MCLs

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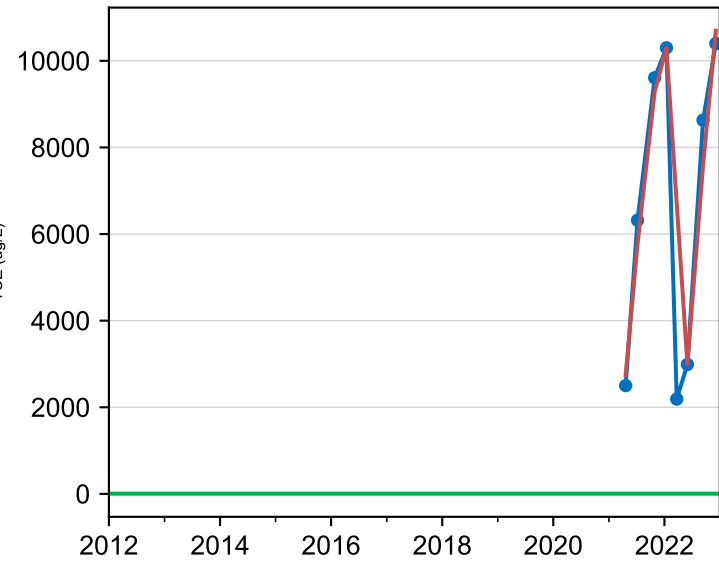
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 248. Tc-99 and TCE at MW556 (LRGA)

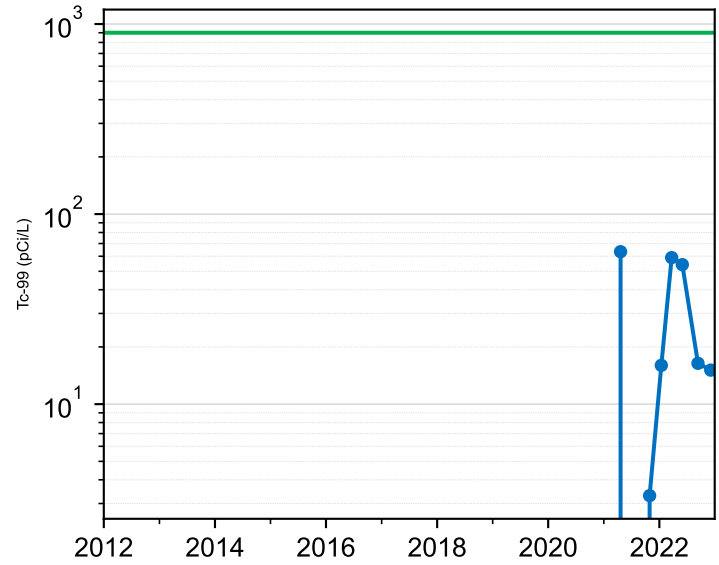
Technetium-99



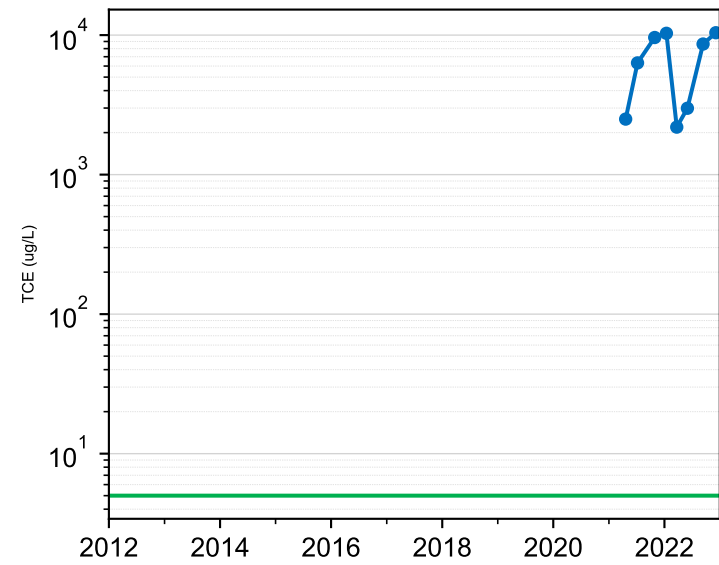
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	63.4	2500.0
07/08/2021	-0.239 U	6320.0
10/29/2021	3.3 U	9610.0
01/14/2022	16.0	10300.0
03/23/2022	59.0	2190.0
06/01/2022	54.2	2990.0
09/12/2022	16.4 U	8630.0
12/05/2022	15.1 U	10400.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

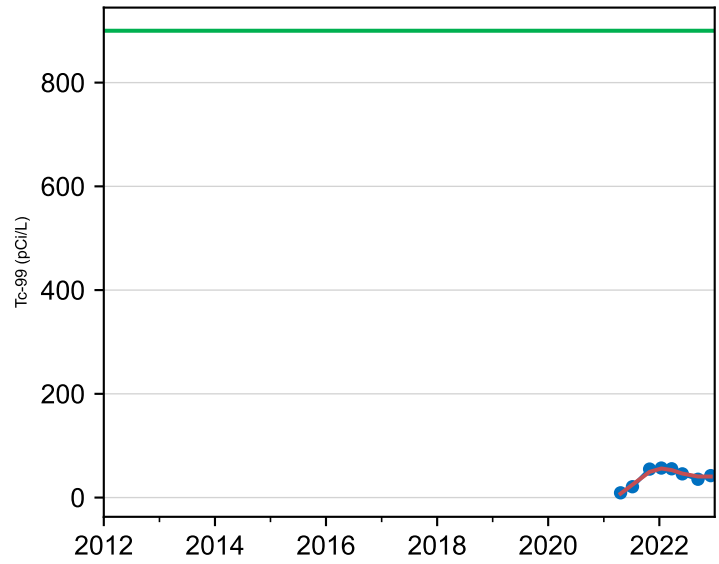
● Data
 — LOWESS
 — MCLs

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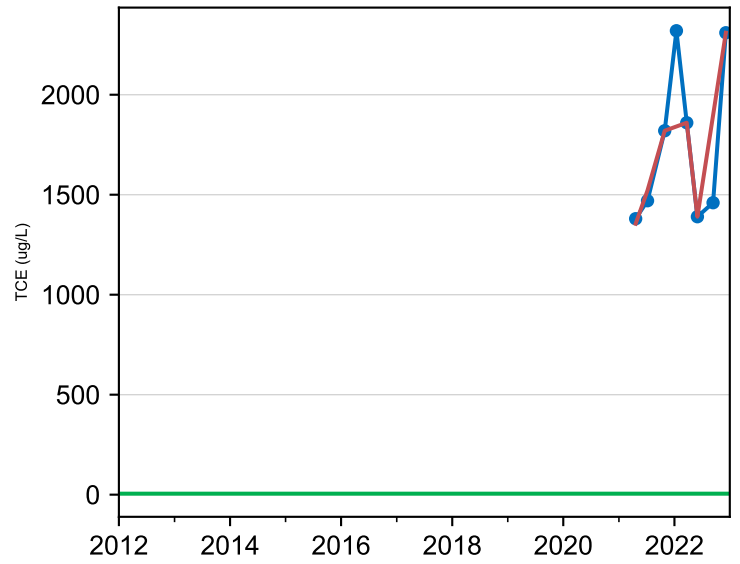
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 249. Tc-99 and TCE at MW557 (URGA)

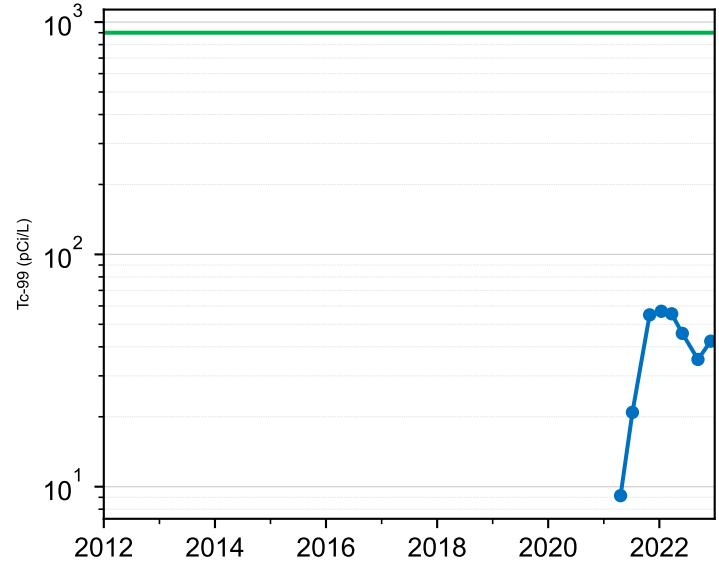
Technetium-99



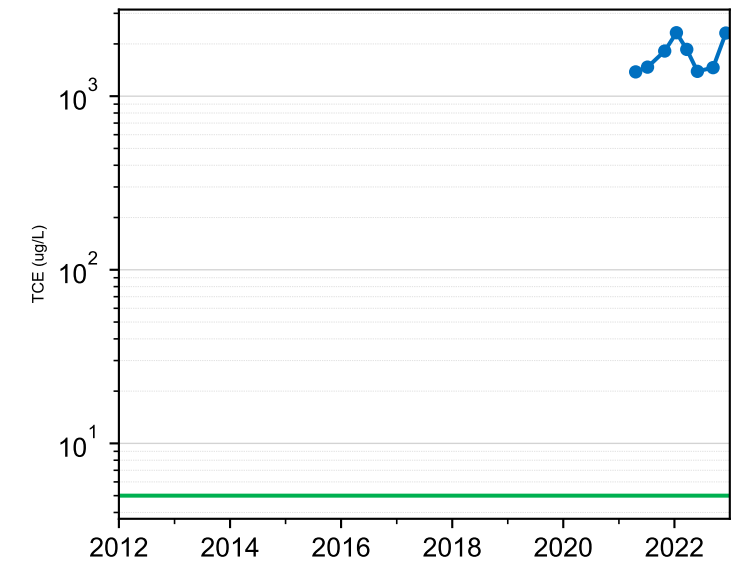
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	9.15	1380.0
07/08/2021	20.9	1470.0
10/29/2021	54.9	1820.0
01/14/2022	56.9	2320.0
03/23/2022	55.5	1860.0
06/01/2022	45.7	1390.0
09/12/2022	35.3	1460.0
12/05/2022	42.3	2310.0

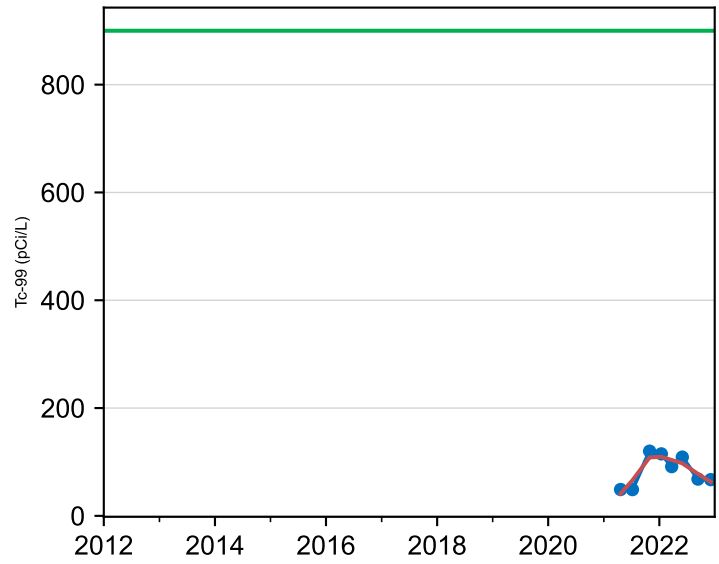
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

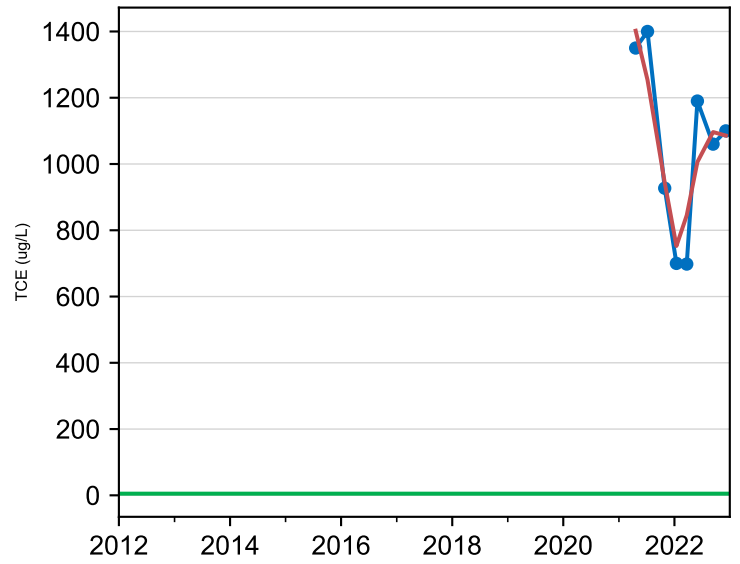
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Figure 250. Tc-99 and TCE at MW558 (MRGA)

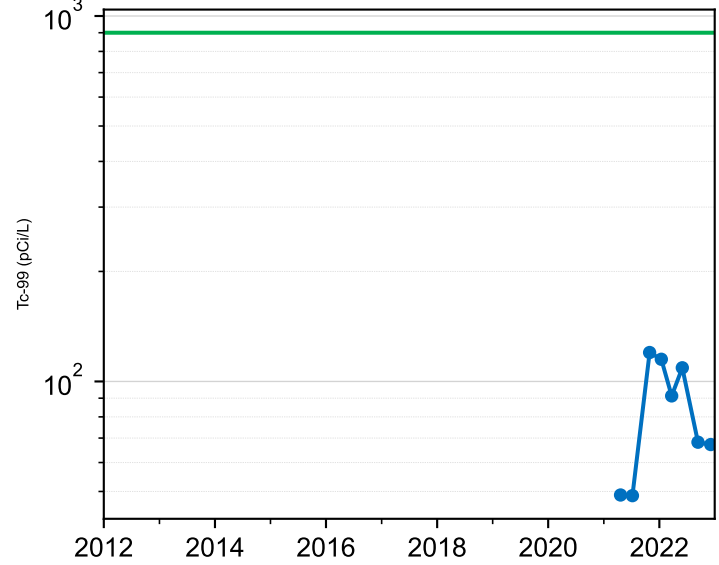
Technetium-99



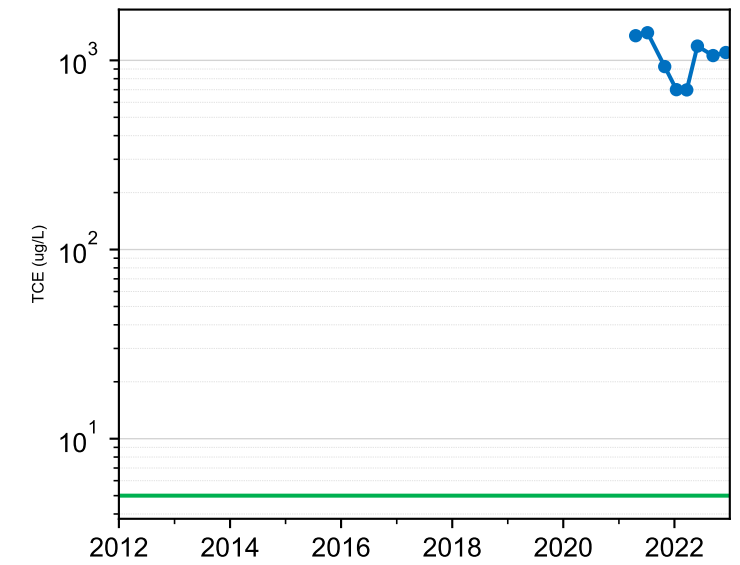
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	48.9	1350.0
07/08/2021	48.7	1400.0
10/29/2021	120.0	927.0
01/14/2022	115.0	700.0
03/23/2022	91.3	698.0
06/01/2022	109.0	1190.0
09/12/2022	68.2	1060.0
12/05/2022	67.2	1100.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

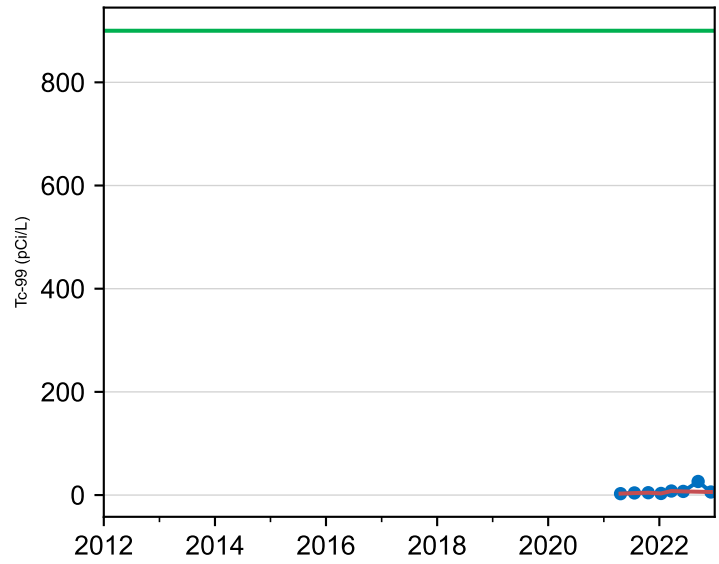
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FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

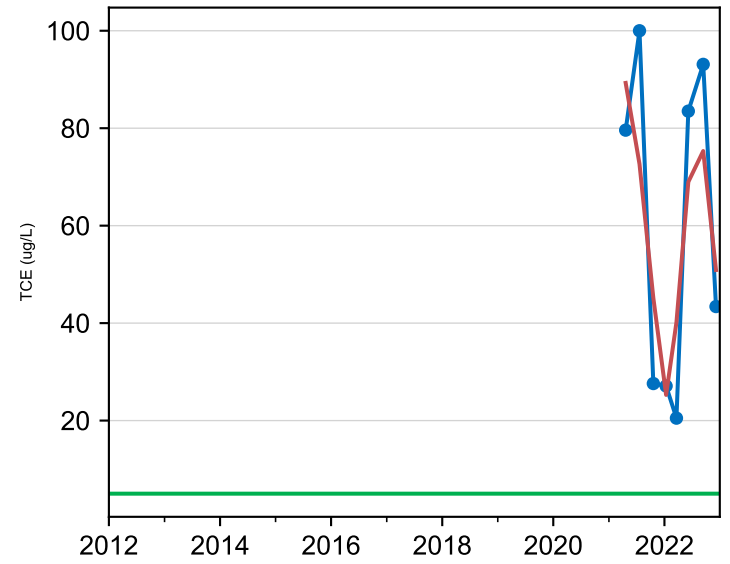
Figure 251. Tc-99 and TCE at MW559 (LRGA)

Source: Trend_Plots_V1.ipynb

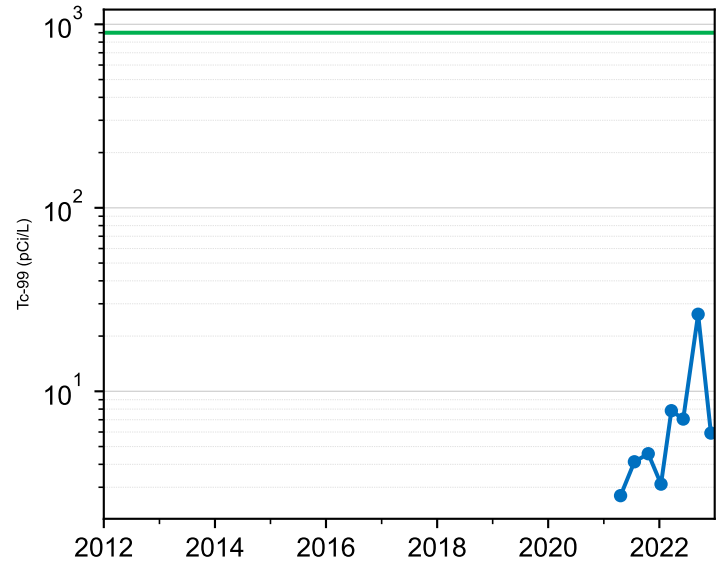
Technetium-99



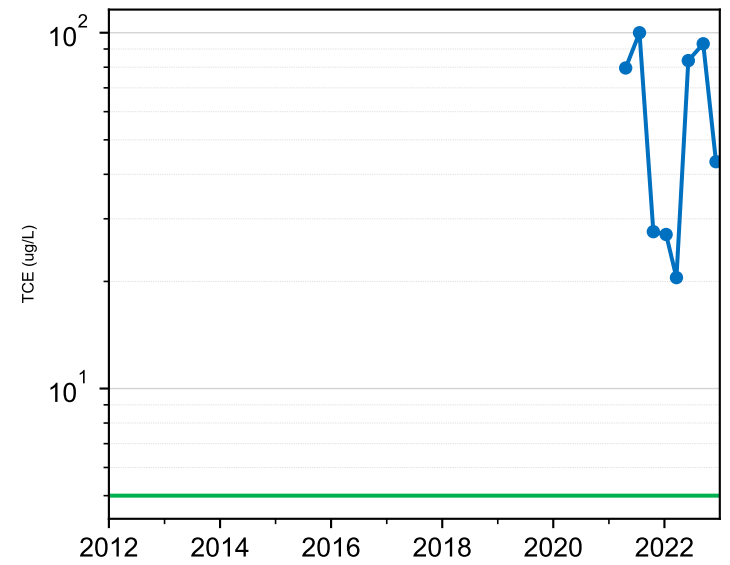
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	2.7 U	79.6
07/21/2021	4.13	100.0 U
10/20/2021	4.57	27.6
01/12/2022	3.12	27.1
03/21/2022	7.84 U	20.5
06/07/2022	7.06 U	83.5
09/13/2022	26.3	93.1
12/06/2022	5.92 U	43.4

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

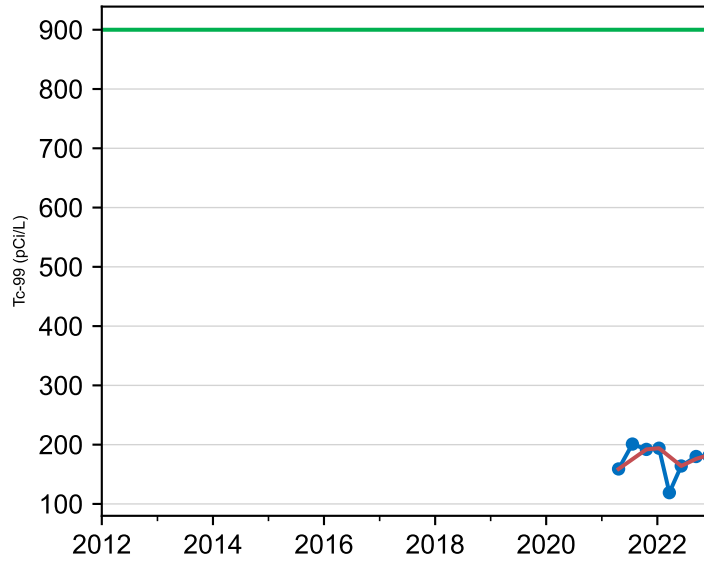
● Data
 — LOWESS
 — MCLs

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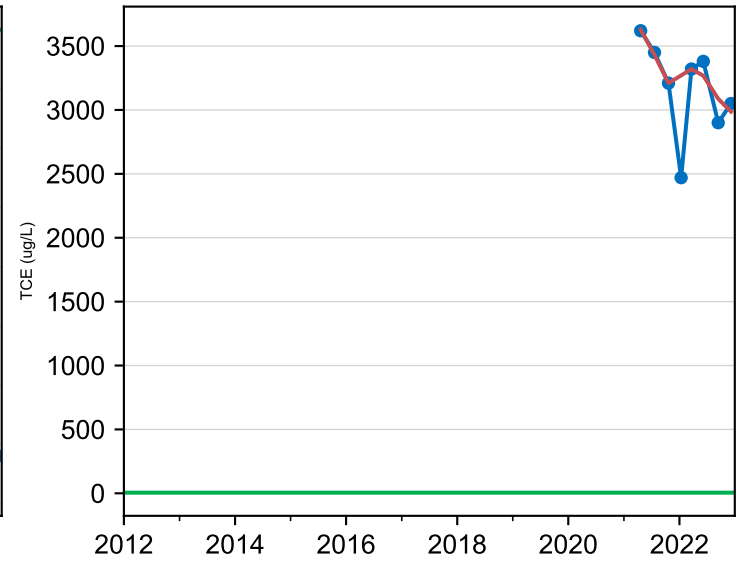
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 252. Tc-99 and TCE at MW560 (URGA)

Technetium-99

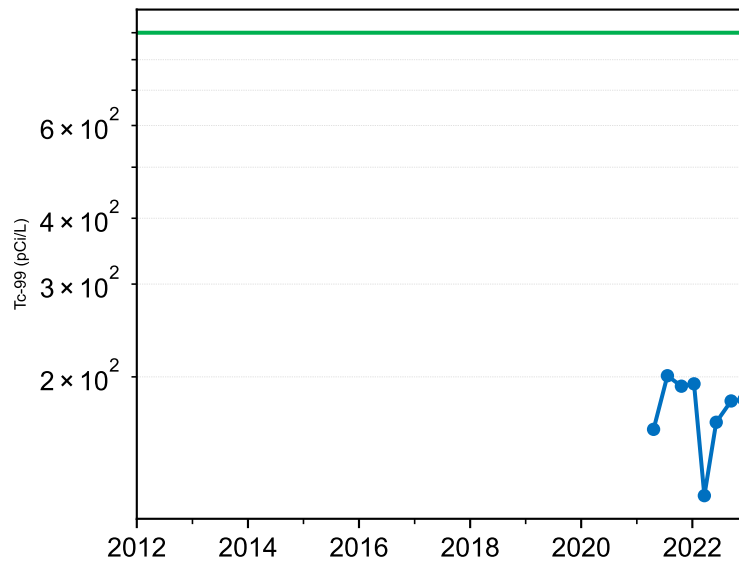


Trichloroethene

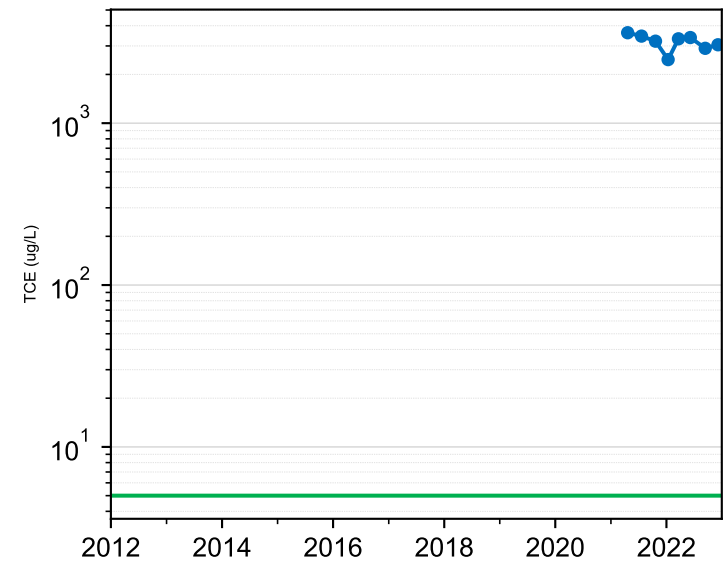


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	159.0	3620.0
07/21/2021	201.0	3450.0
10/21/2021	192.0	3210.0
01/12/2022	194.0	2470.0
03/21/2022	119.0	3320.0
06/07/2022	164.0	3380.0
09/13/2022	180.0	2900.0
12/06/2022	181.0	3050.0

Technetium-99



Trichloroethene



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

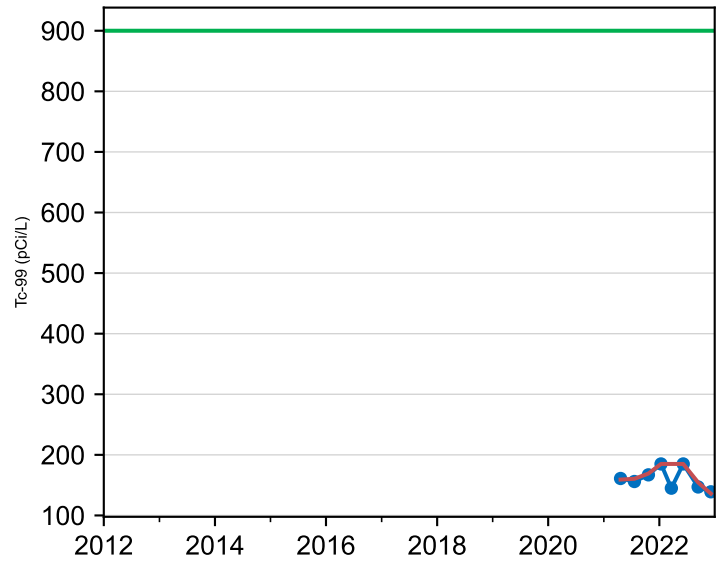
● Data
— LOWESS
— MCLs

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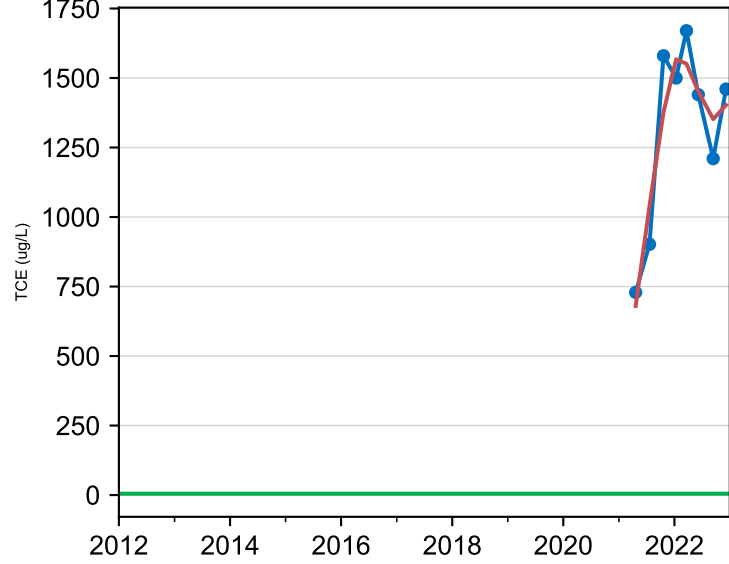
FOUR RIVERS
NUCLEAR PARTNERSHIP, LLC

Figure 253. Tc-99 and TCE at MW561 (MRGA)

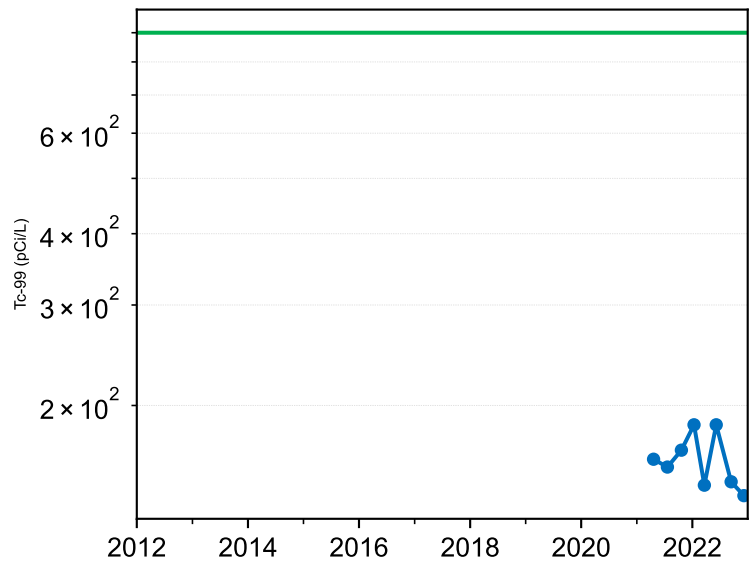
Technetium-99



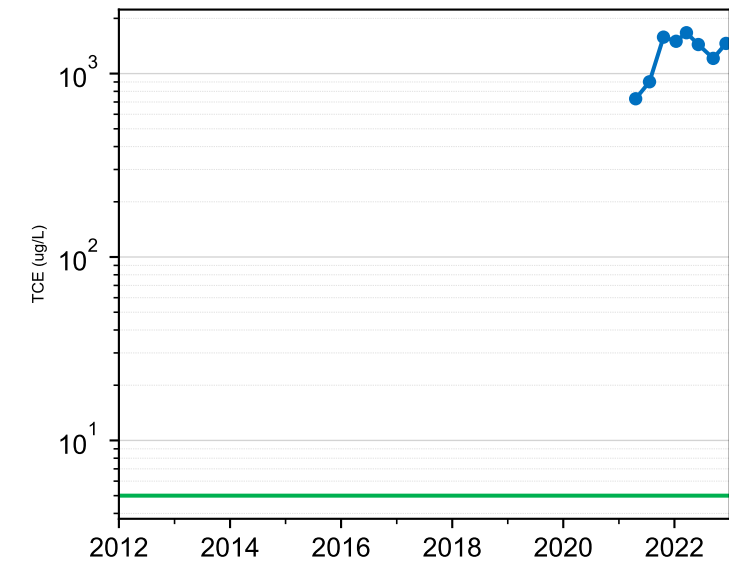
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	161.0	729.0
07/21/2021	156.0	902.0
10/21/2021	167.0	1580.0
01/12/2022	185.0	1500.0
03/21/2022	145.0	1670.0
06/07/2022	185.0	1440.0
09/13/2022	147.0	1210.0
12/06/2022	139.0	1460.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

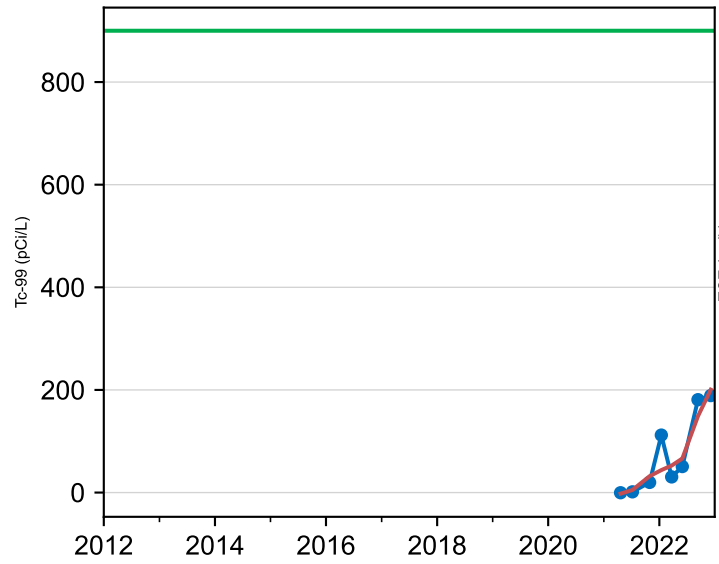
● Data
 — LOWESS
 — MCLs

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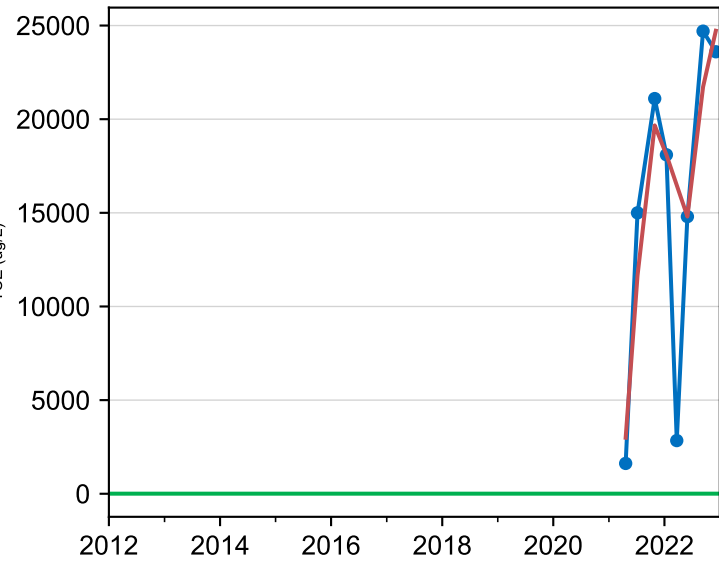
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 254. Tc-99 and TCE at MW562 (LRGA)

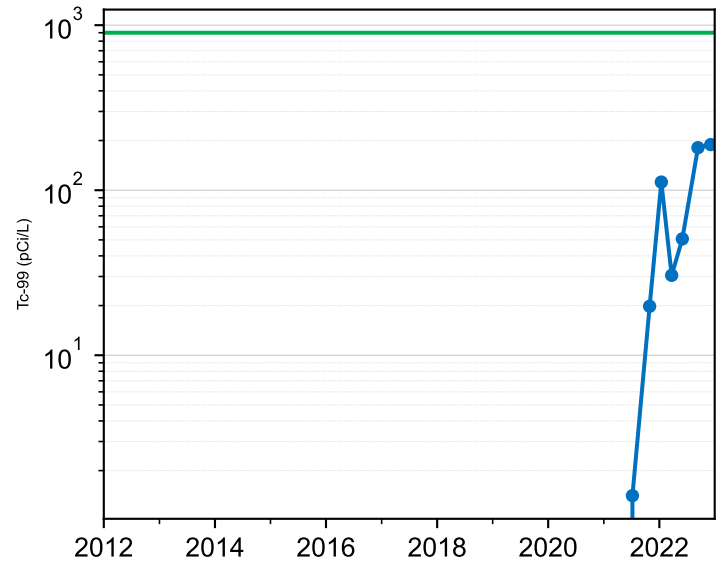
Technetium-99



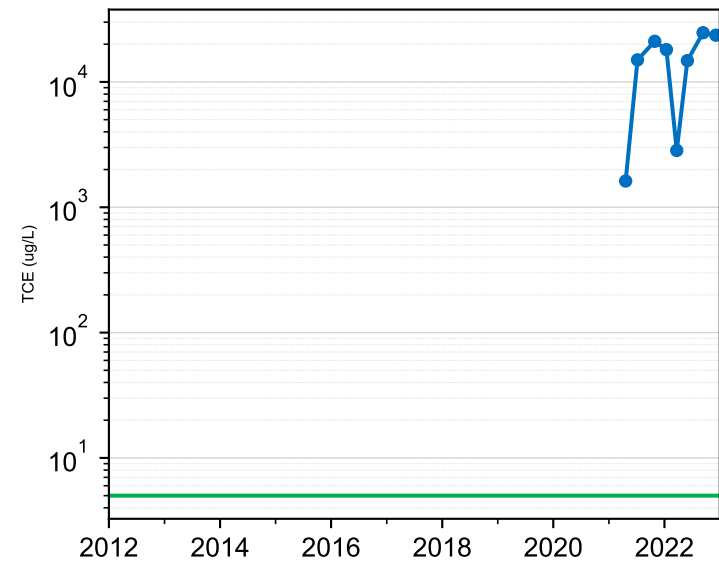
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	-0.335 U	1620.0
07/08/2021	1.41 U	15000.0
10/29/2021	19.8	21100.0
01/14/2022	112.0	18100.0
03/23/2022	30.5	2840.0
06/01/2022	50.7	14800.0
09/12/2022	181.0	24700.0
12/05/2022	189.0	23600.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

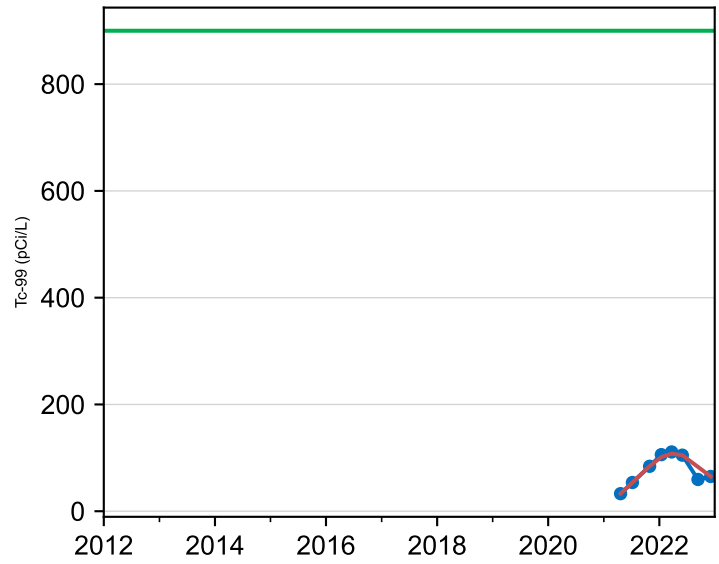
● Data
 — LOWESS
 — MCLs

U.S. DEPARTMENT OF ENERGY
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 PADUCAH GASEOUS DIFFUSION PLANT

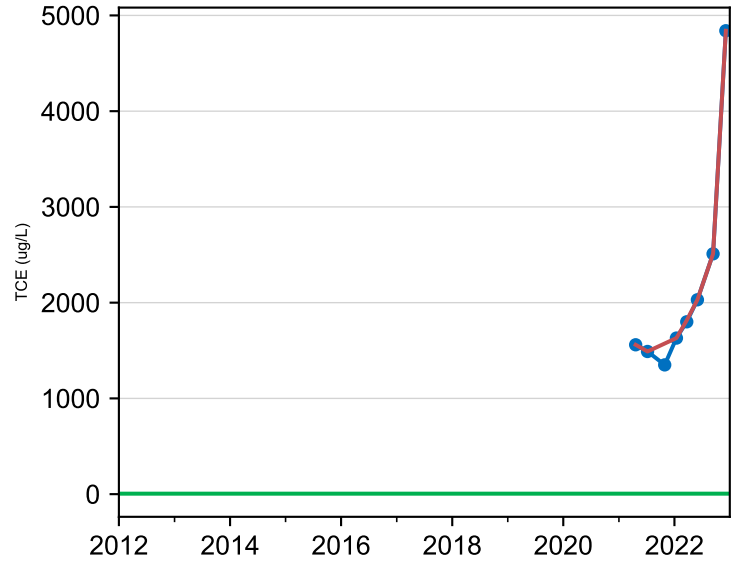
FOUR RIVERS
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Figure 255. Tc-99 and TCE at MW563 (URGA)

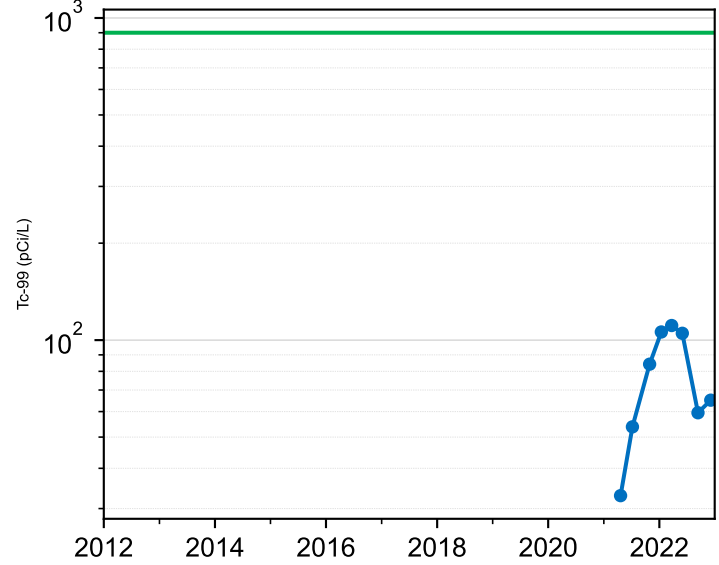
Technetium-99



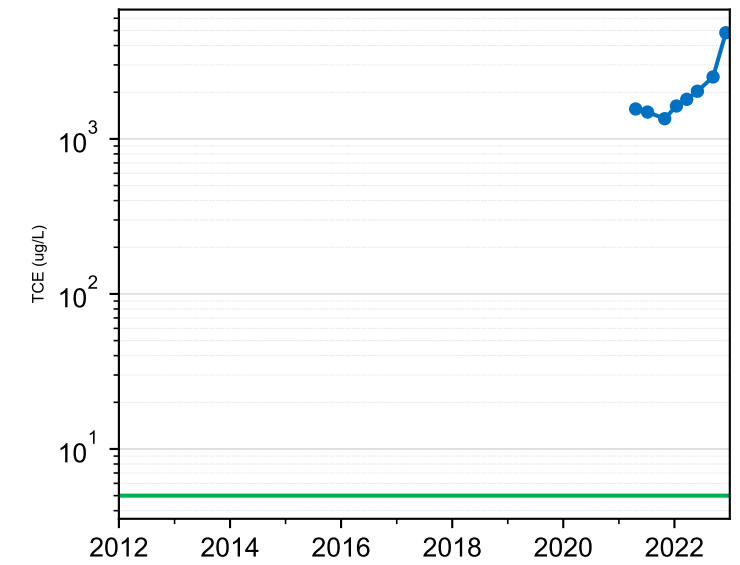
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	32.9	1560.0
07/08/2021	53.8	1490.0
10/29/2021	84.2	1350.0
01/14/2022	106.0	1630.0
03/23/2022	111.0	1800.0
06/01/2022	105.0	2030.0
09/12/2022	59.5	2510.0
12/05/2022	65.1	4840.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

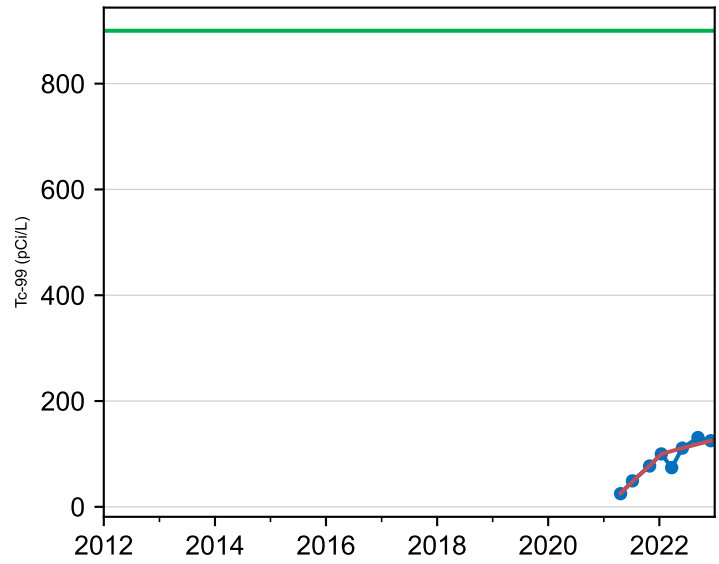
● Data
 — LOWESS
 — MCLs

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 PADUCAH GASEOUS DIFFUSION PLANT

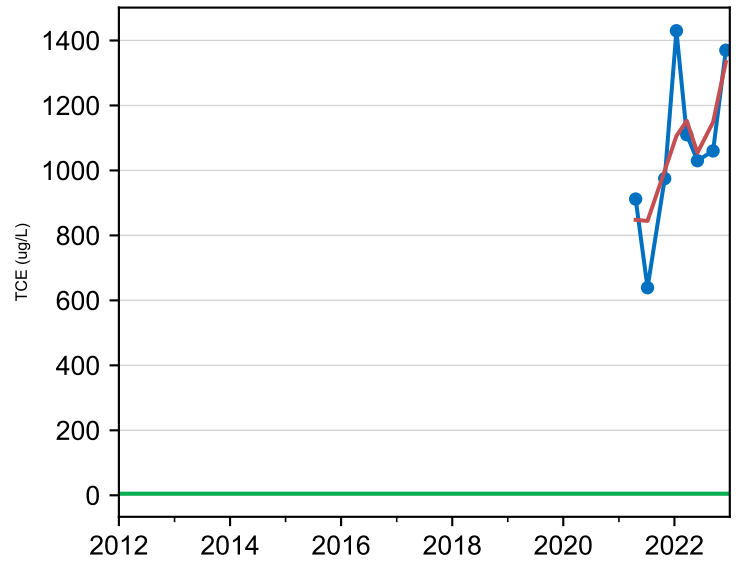
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 256. Tc-99 and TCE at MW564 (MRGA)

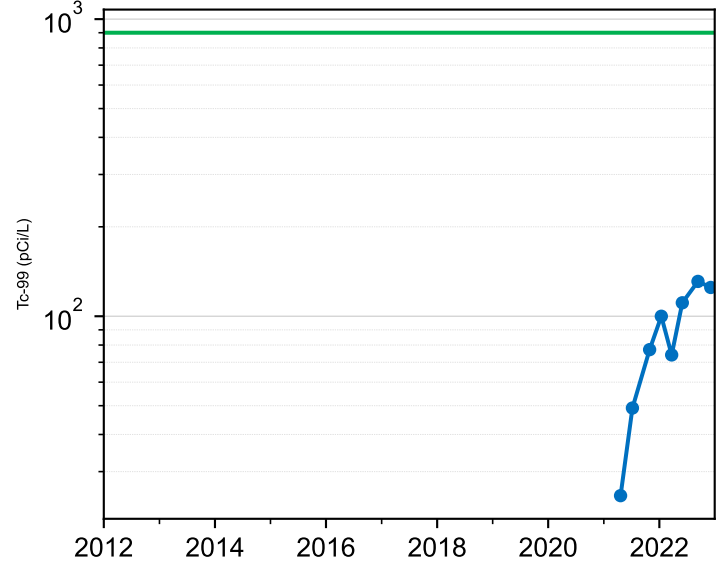
Technetium-99



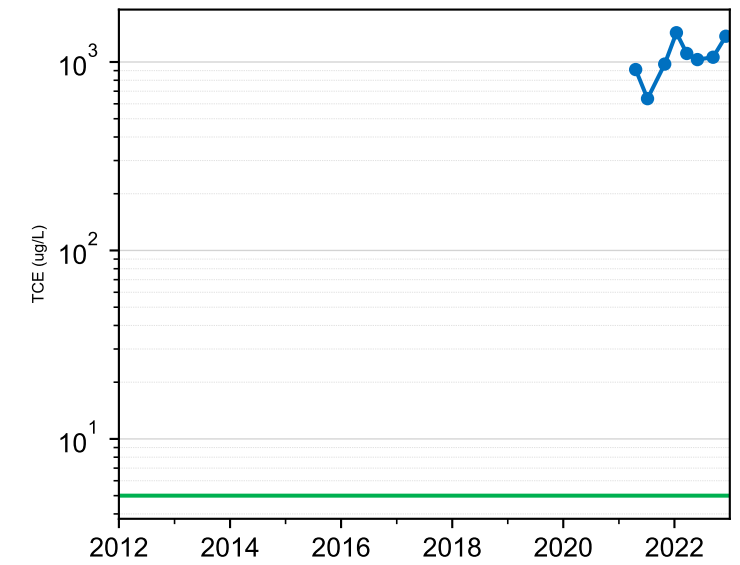
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	24.9	912.0
07/08/2021	49.1	639.0
10/29/2021	77.2	975.0
01/14/2022	100.0	1430.0
03/23/2022	74.1	1110.0
06/01/2022	111.0	1030.0
09/12/2022	131.0	1060.0
12/05/2022	125.0	1370.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

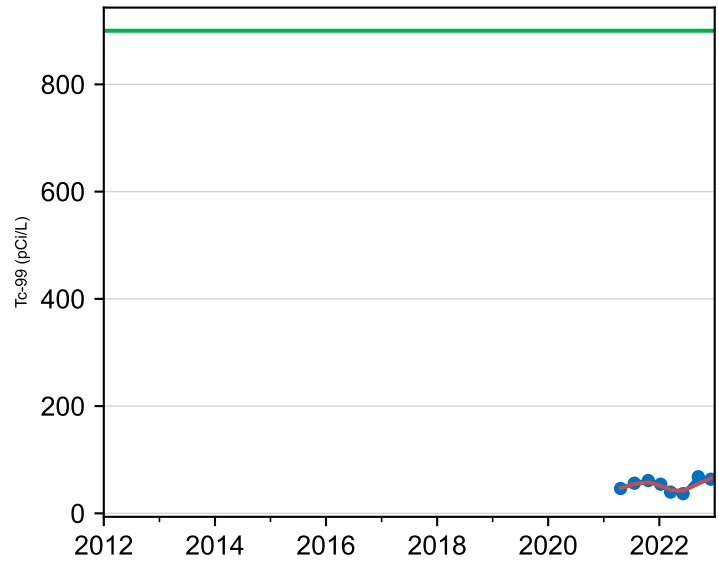
● Data
 — LOWESS
 — MCLs

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 PADUCAH GASEOUS DIFFUSION PLANT

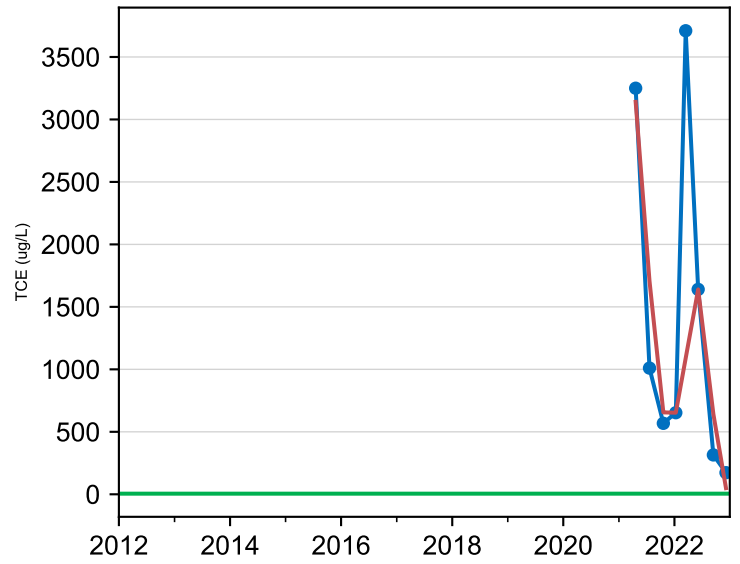
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 257. Tc-99 and TCE at MW565 (LRGA)

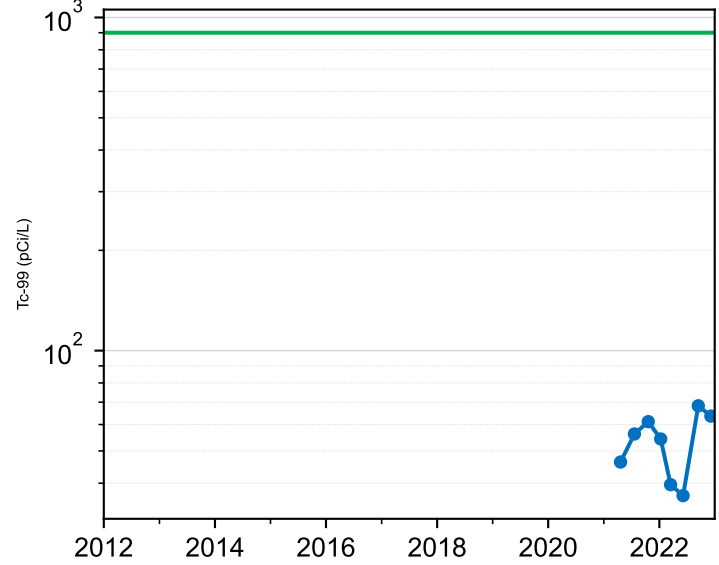
Technetium-99



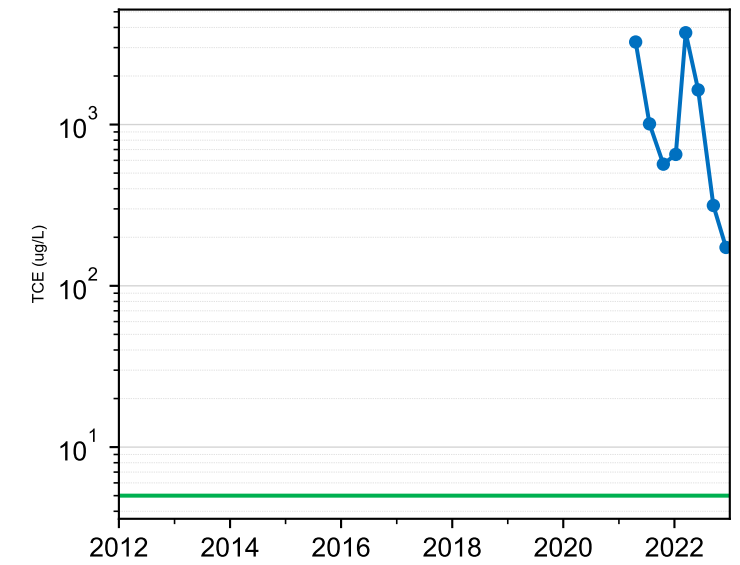
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	46.3	3250.0
07/21/2021	56.2	1010.0
10/20/2021	61.2	568.0
01/10/2022	54.3	653.0
03/16/2022	39.6	3710.0
06/06/2022	36.7	1640.0
09/14/2022	68.3	315.0
12/06/2022	63.6	173.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

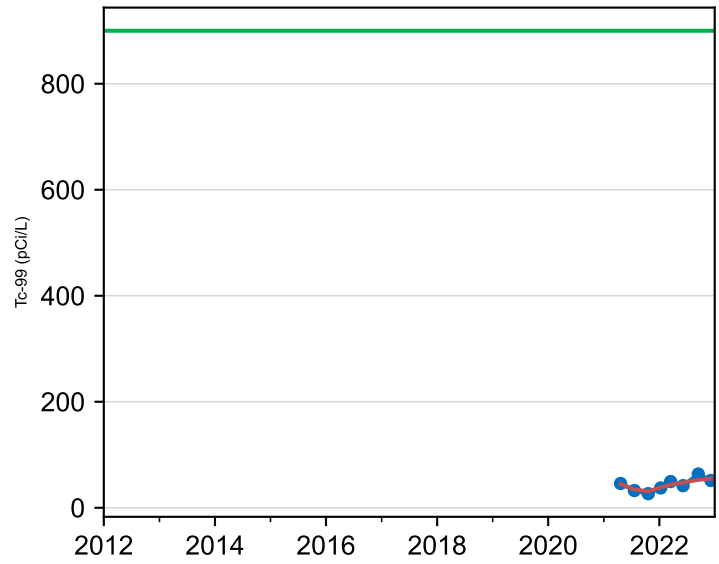
● Data
 — LOWESS
 — MCLs

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 PADUCAH GASEOUS DIFFUSION PLANT

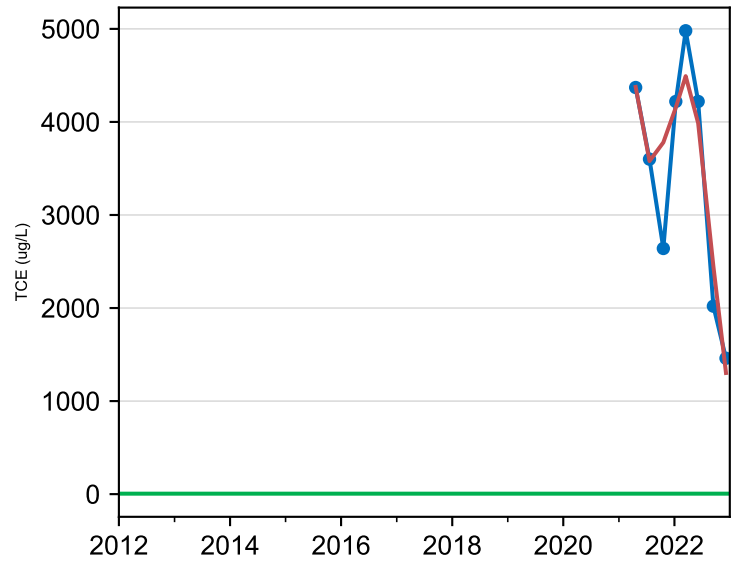
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 258. Tc-99 and TCE at MW566 (URGA)

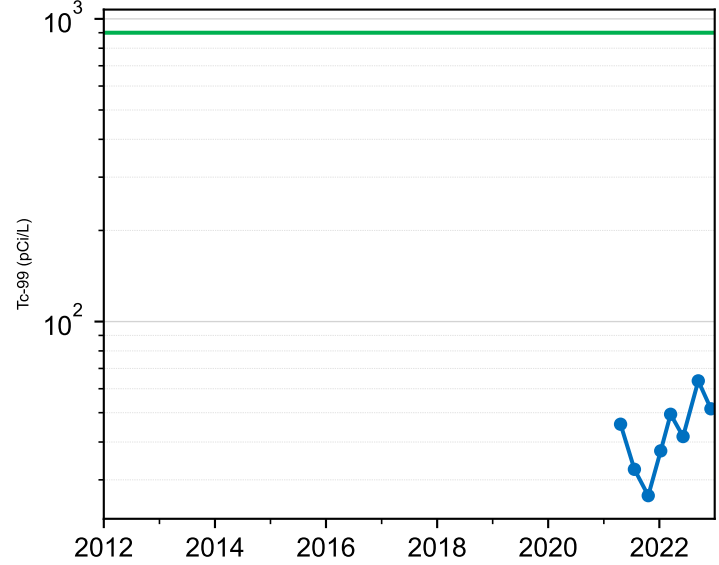
Technetium-99



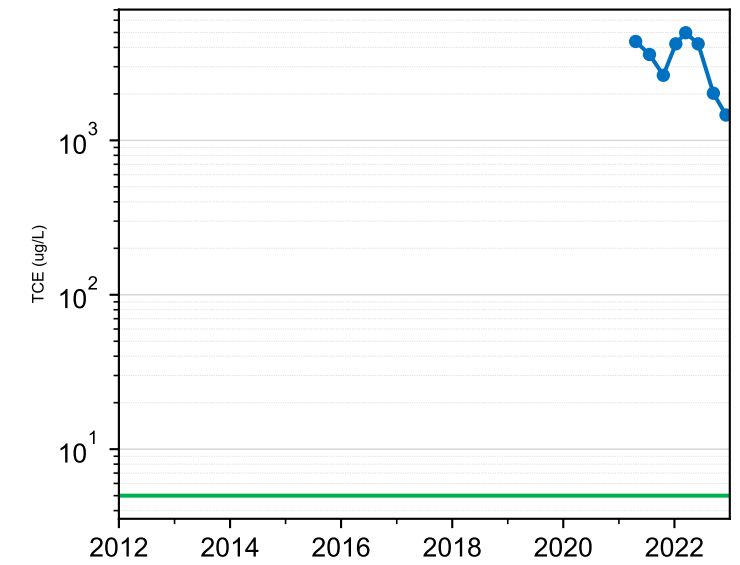
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	45.8	4370.0
07/21/2021	32.5	3600.0
10/20/2021	26.6	2640.0
01/10/2022	37.4	4220.0
03/16/2022	49.4	4980.0
06/06/2022	41.7	4220.0
09/14/2022	63.7	2020.0
12/06/2022	51.5	1460.0

- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

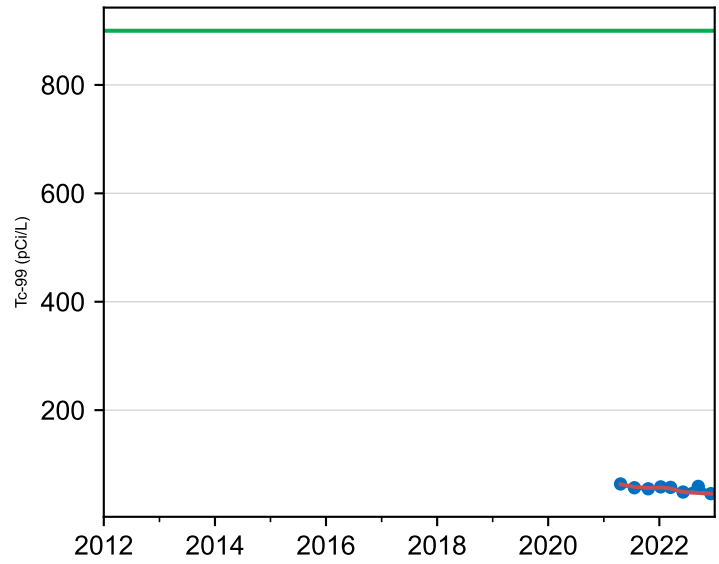
● Data — LOWESS
— MCLs

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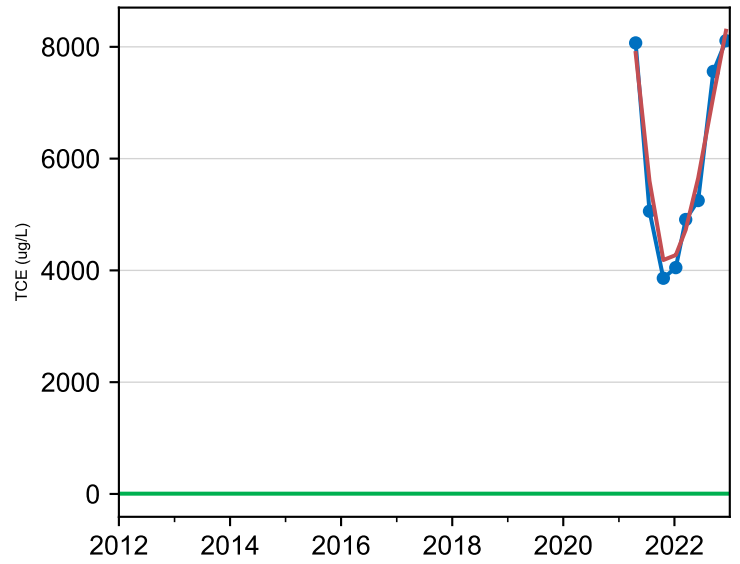
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Figure 259. Tc-99 and TCE at MW567 (MRGA)

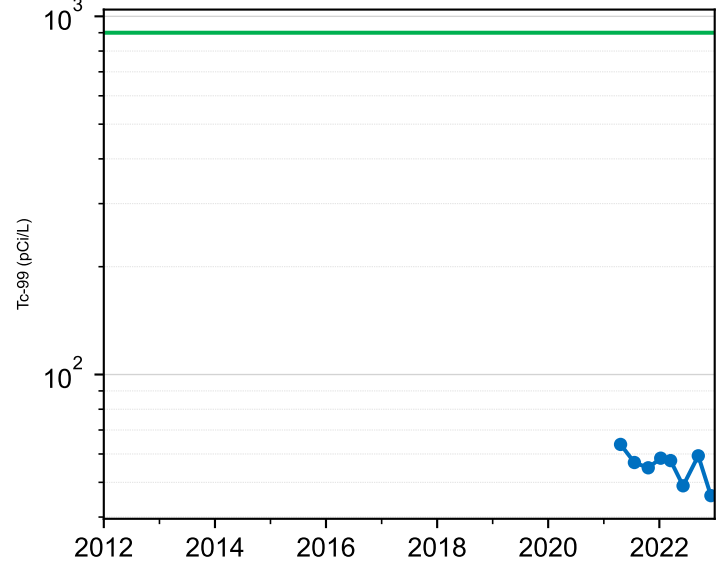
Technetium-99



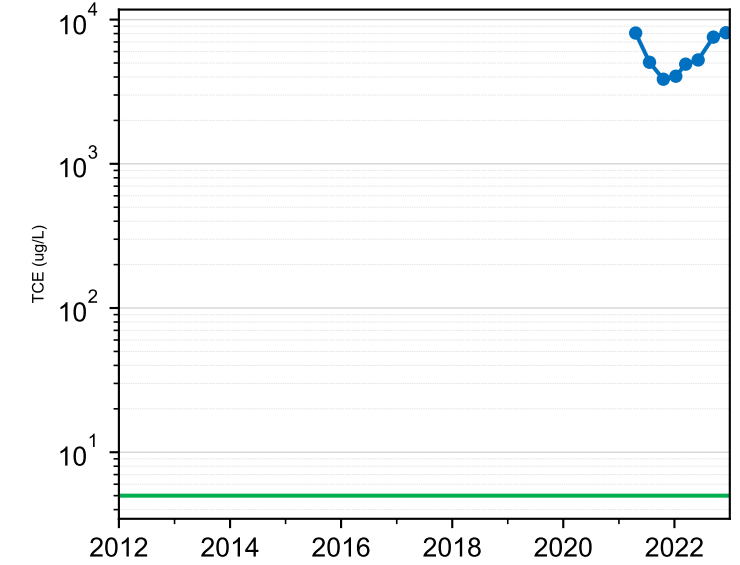
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	63.8	8070.0
07/21/2021	56.8	5060.0
10/20/2021	54.9	3860.0
01/10/2022	58.4	4050.0
03/16/2022	57.5	4910.0
06/06/2022	48.9	5250.0
09/14/2022	59.3	7560.0
12/06/2022	45.9	8110.0

Notes:
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 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

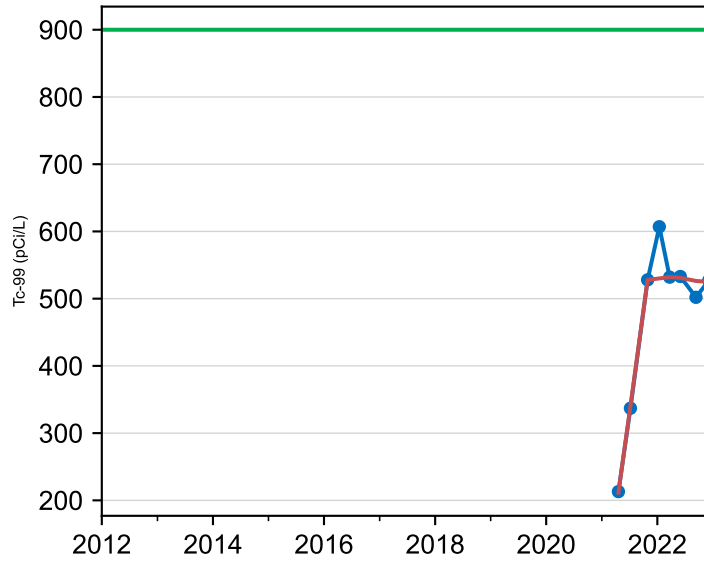
● Data
 — LOWESS
 — MCLs

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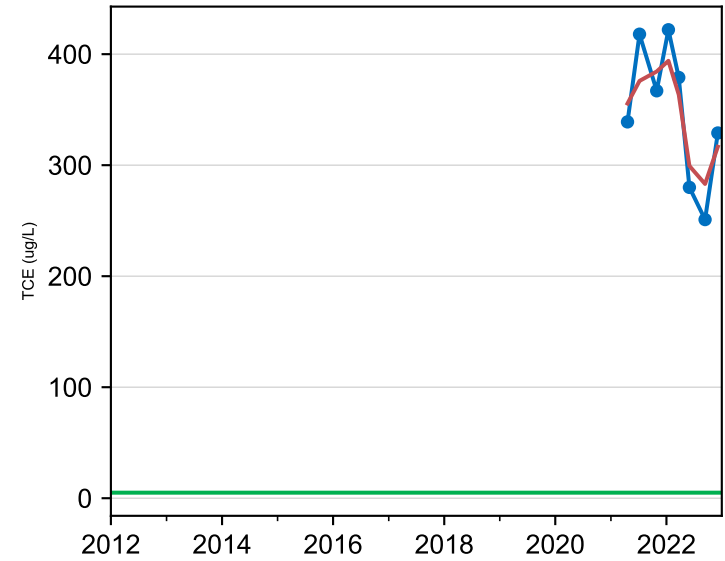
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Figure 260. Tc-99 and TCE at MW568 (LRGA)

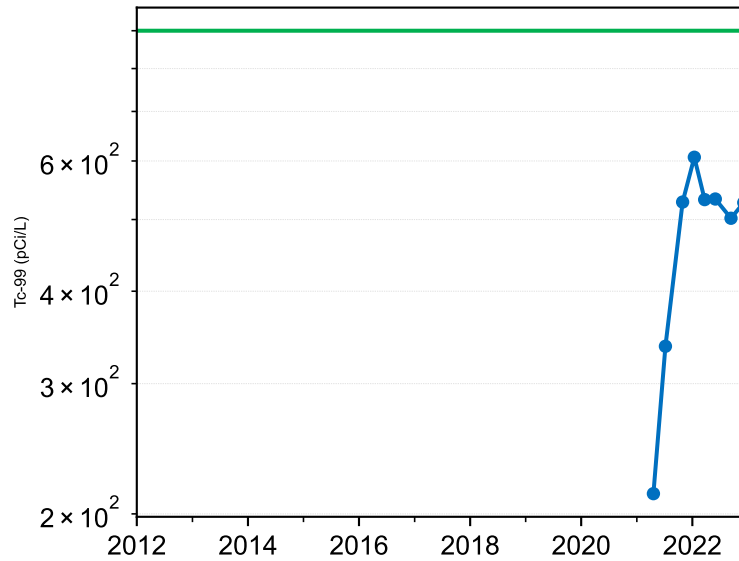
Technetium-99



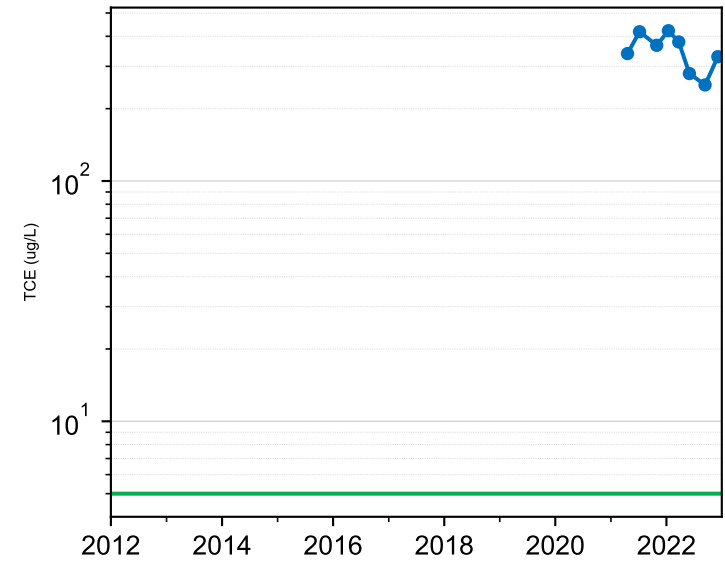
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/20/2021	213.0	339.0
07/08/2021	337.0	418.0
10/29/2021	528.0	367.0
01/14/2022	607.0	422.0
03/23/2022	532.0	379.0
06/01/2022	533.0	280.0
09/12/2022	502.0	251.0
12/05/2022	527.0	329.0

- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

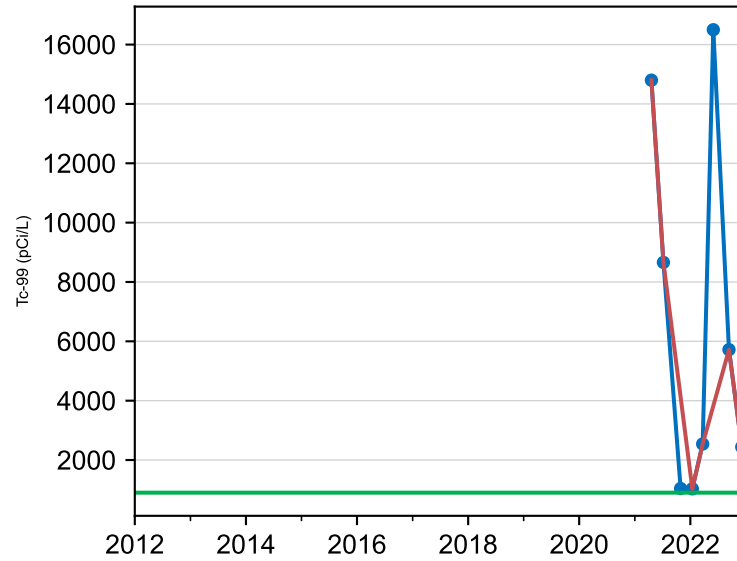
● Data
— LOWESS
— MCLs

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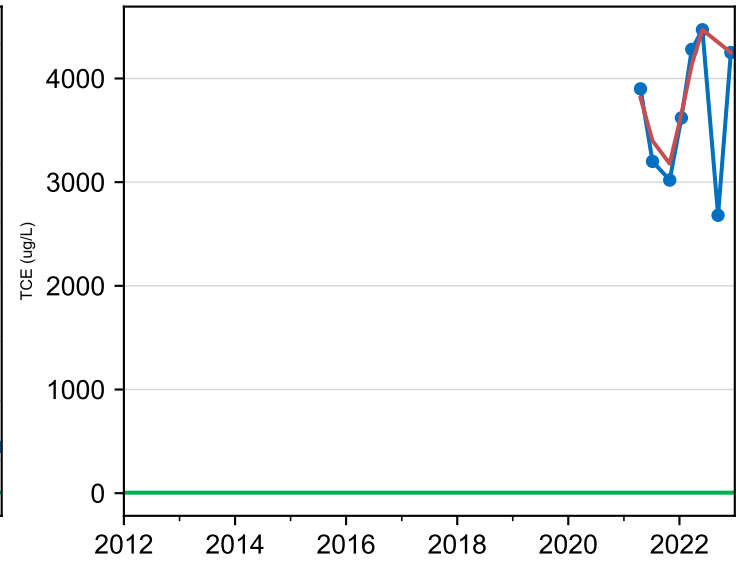

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Figure 261. Tc-99 and TCE at MW569 (URGA)

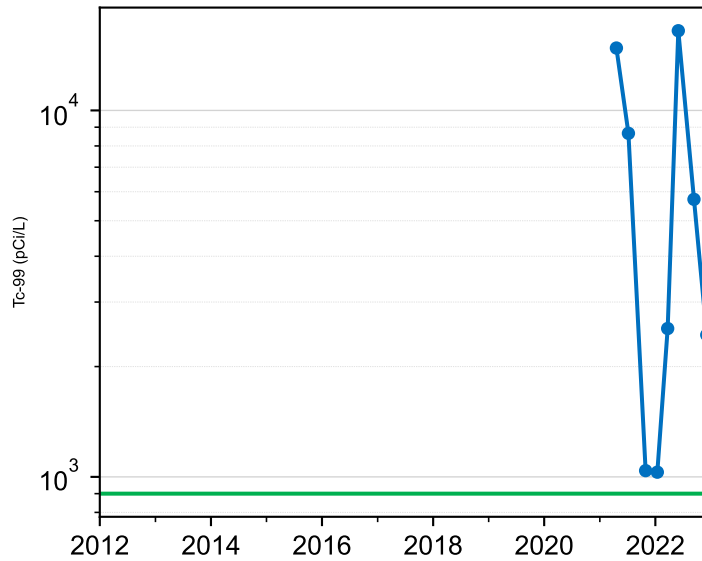
Technetium-99



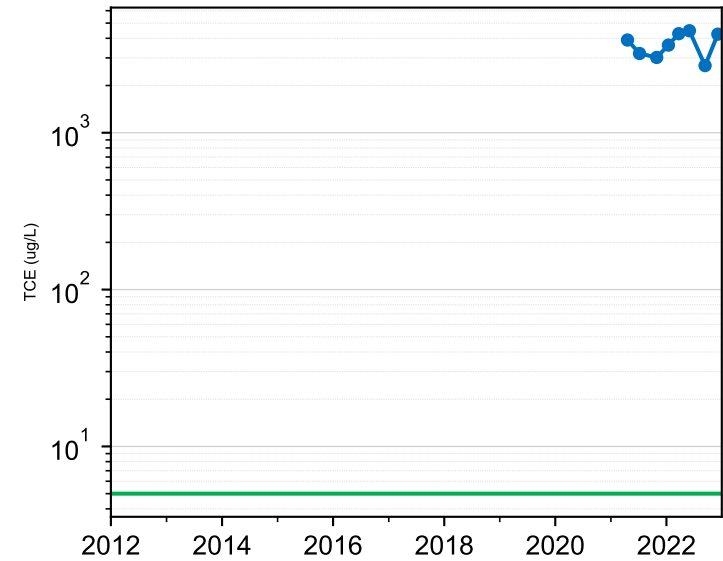
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/20/2021	14800.0	3900.0
07/08/2021	8660.0	3200.0
10/29/2021	1040.0	3020.0
01/14/2022	1030.0	3620.0
03/23/2022	2540.0	4280.0
06/01/2022	16500.0	4470.0
09/12/2022	5720.0	2680.0
12/05/2022	2440.0	4250.0

- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

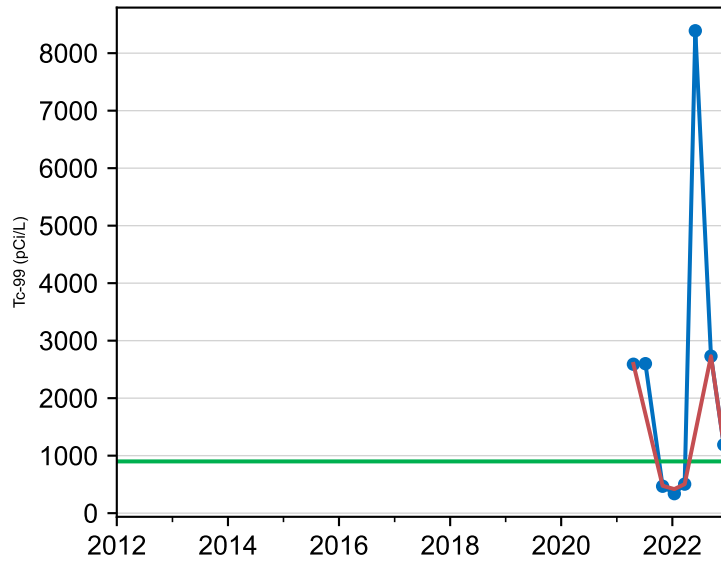
● Data
— LOWESS
— MCLs

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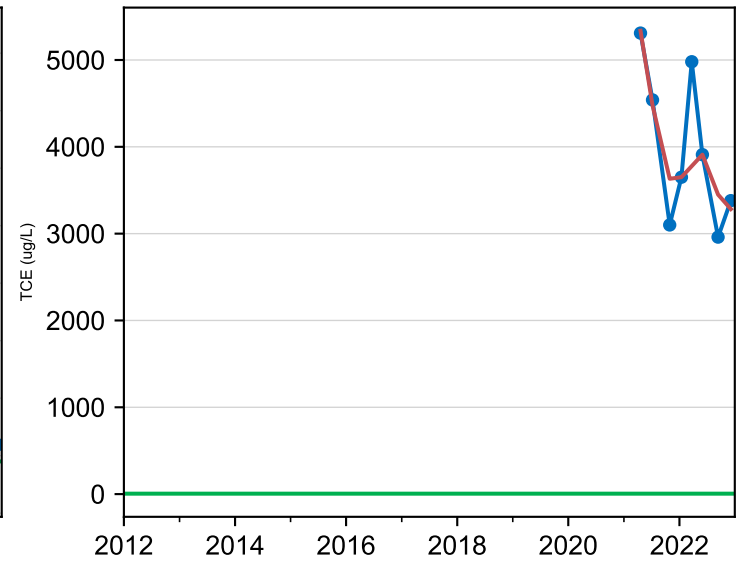
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Figure 262. Tc-99 and TCE at MW570 (MRGA)

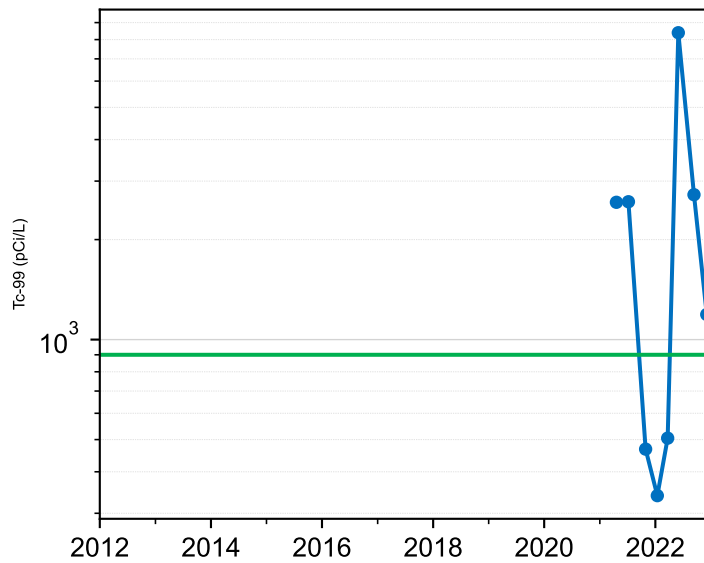
Technetium-99



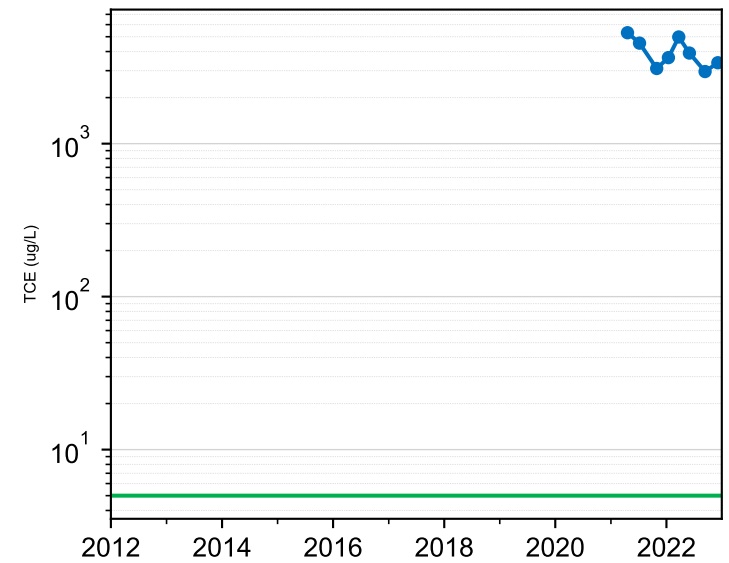
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/20/2021	2590.0	5310.0
07/08/2021	2600.0	4540.0
10/29/2021	468.0	3100.0
01/14/2022	339.0	3650.0
03/23/2022	505.0	4980.0
06/01/2022	8390.0	3910.0
09/12/2022	2730.0	2960.0
12/05/2022	1190.0	3380.0

- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

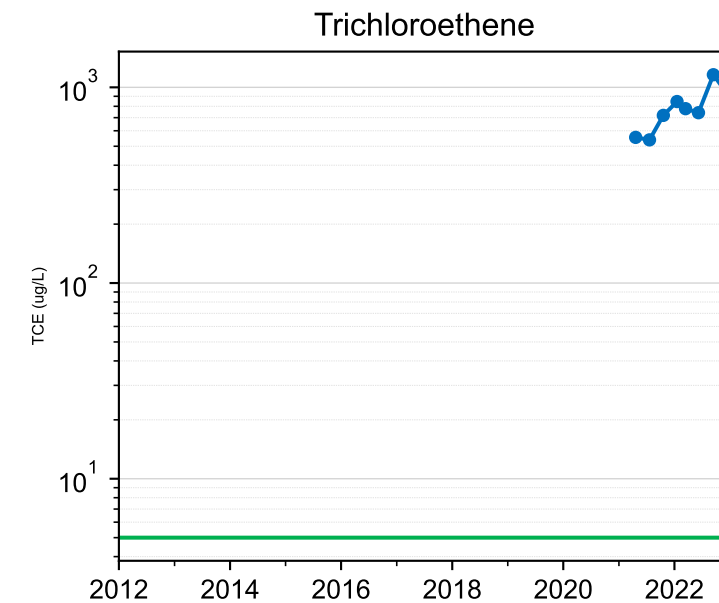
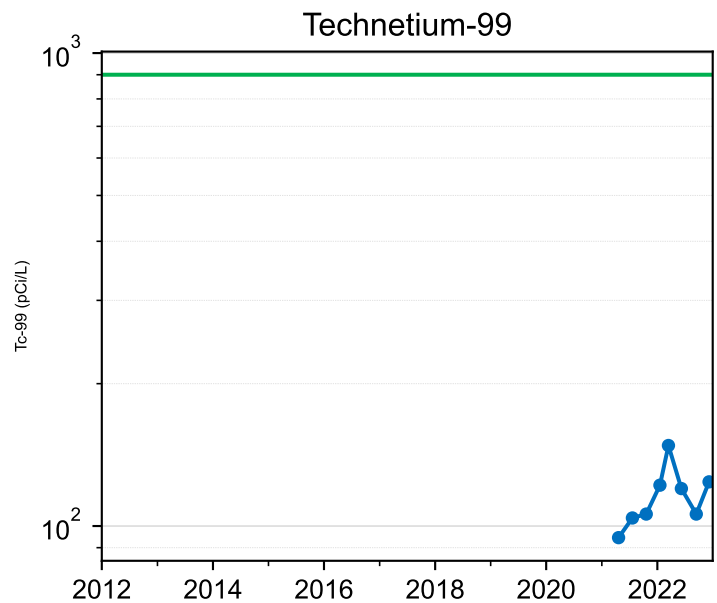
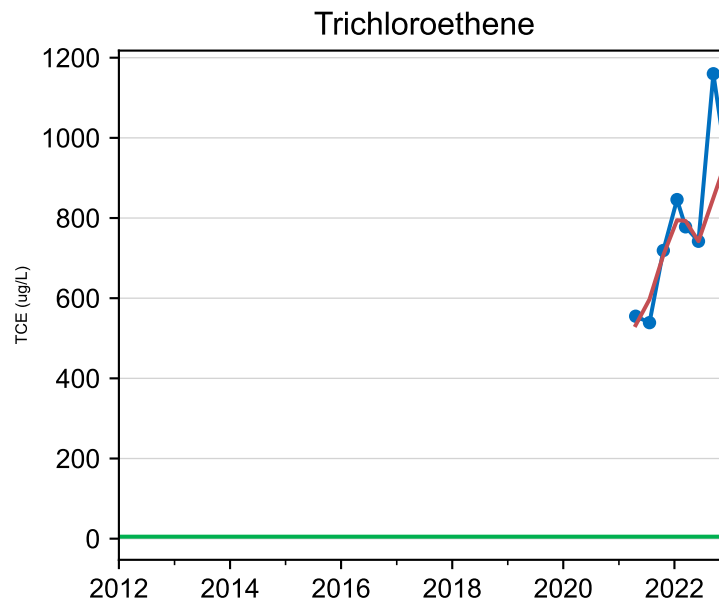
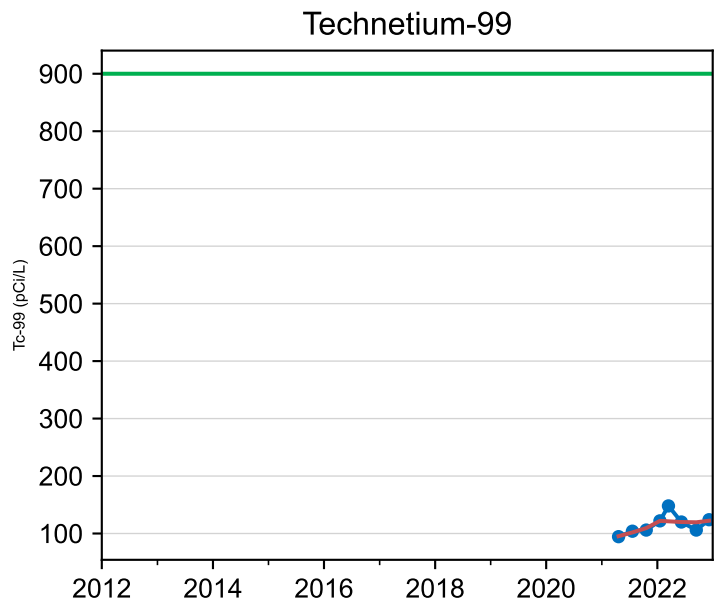
● Data — LOWESS
— MCLs

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Figure 263. Tc-99 and TCE at MW571 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	94.5	555.0
07/21/2021	104.0	539.0
10/20/2021	106.0	719.0
01/18/2022	122.0	846.0
03/15/2022	148.0	778.0
06/08/2022	120.0	742.0
09/14/2022	106.0	1160.0
12/07/2022	124.0	943.0



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

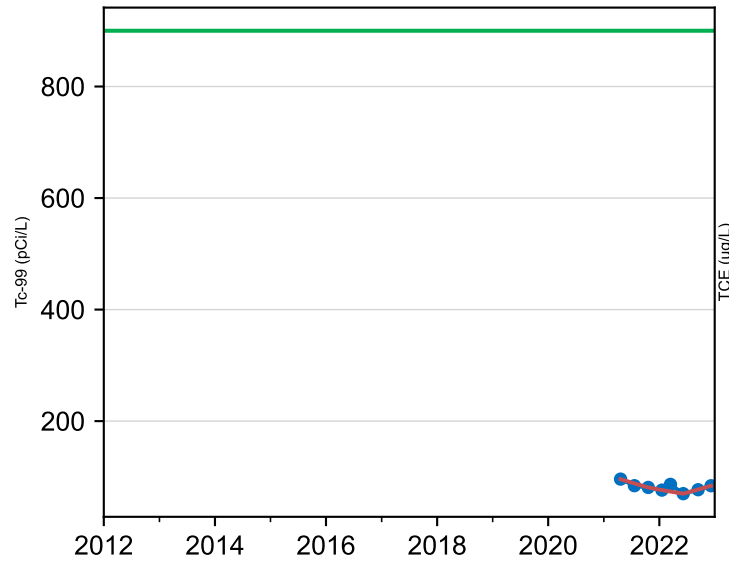
● Data — LOWESS
— MCLs

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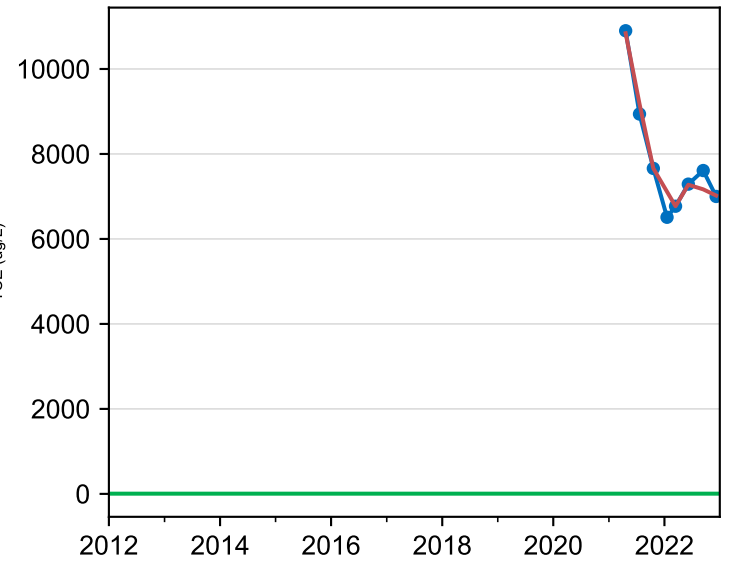
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Figure 264. Tc-99 and TCE at MW572 (LRGA)

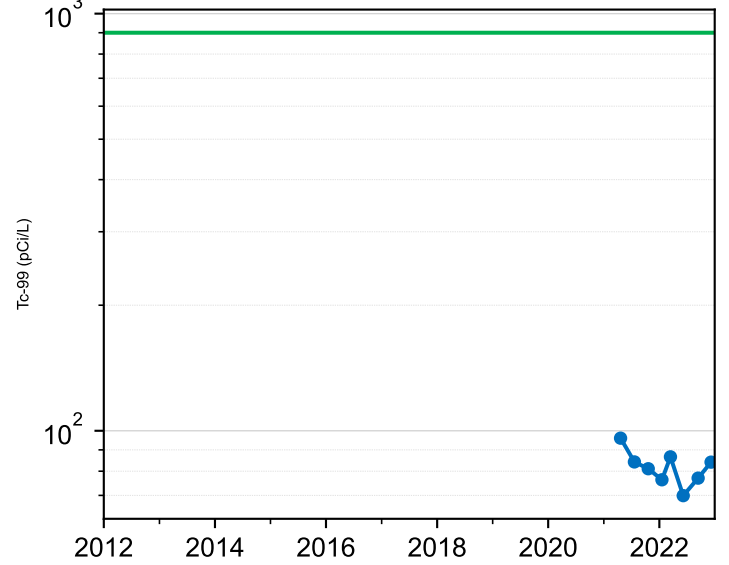
Technetium-99



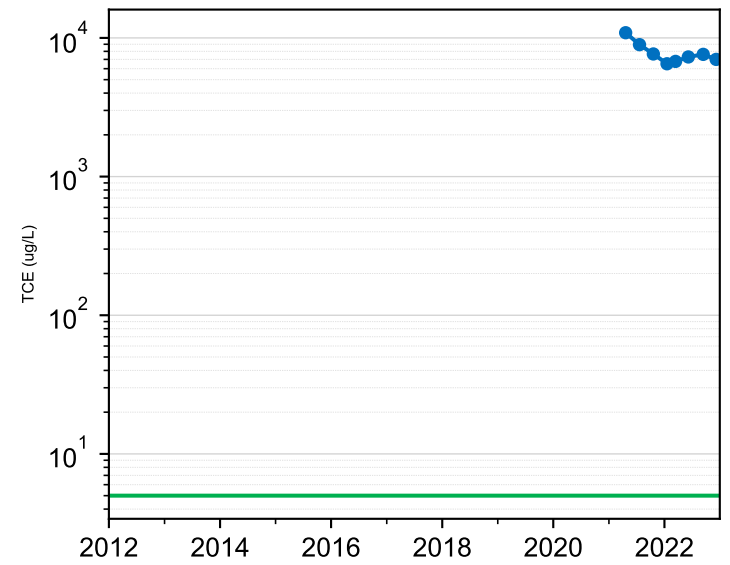
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	96.0	10900.0
07/21/2021	84.2	8940.0
10/20/2021	81.1	7660.0
01/18/2022	76.3	6510.0
03/15/2022	86.6	6770.0
06/07/2022	69.9	7290.0
09/13/2022	77.0	7610.0
12/07/2022	84.1	7000.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

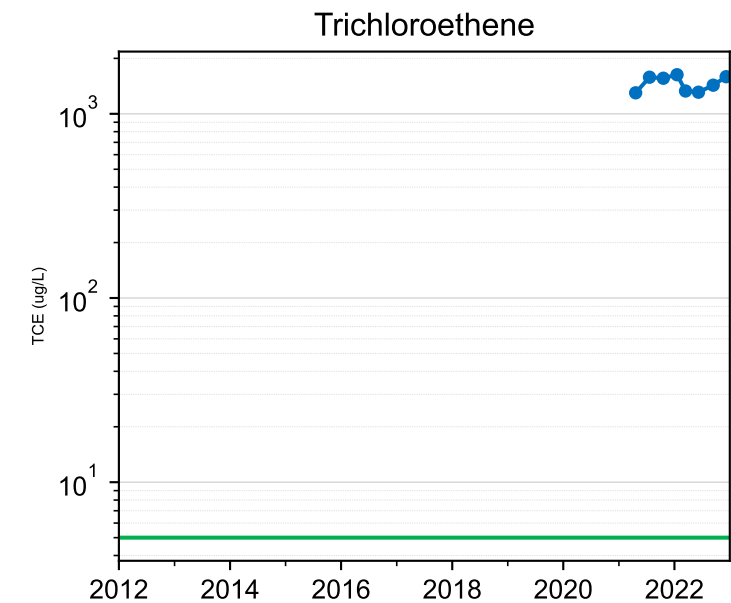
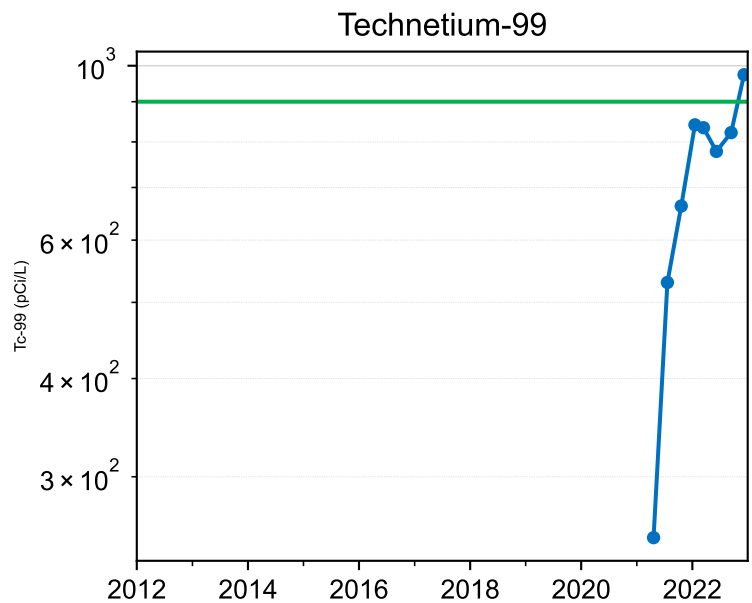
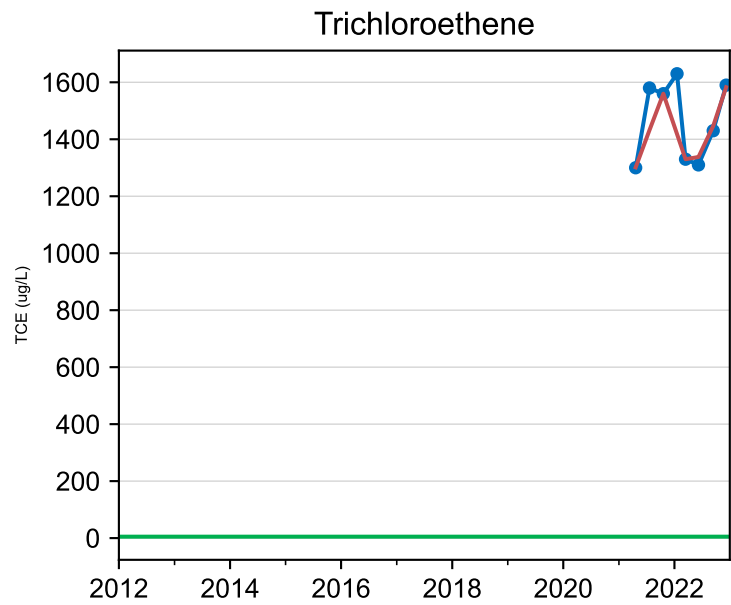
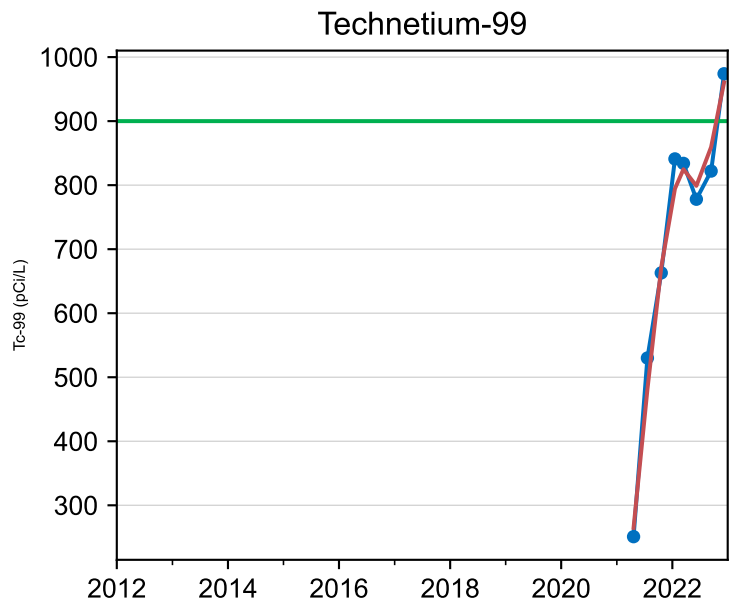
● Data
 — LOWESS
 — MCLs

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Figure 265. Tc-99 and TCE at MW573 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
04/21/2021	251.0	1300.0
07/21/2021	530.0	1580.0
10/20/2021	663.0	1560.0
01/18/2022	841.0	1630.0
03/15/2022	834.0	1330.0
06/08/2022	778.0	1310.0
09/13/2022	822.0	1430.0
12/07/2022	974.0	1590.0



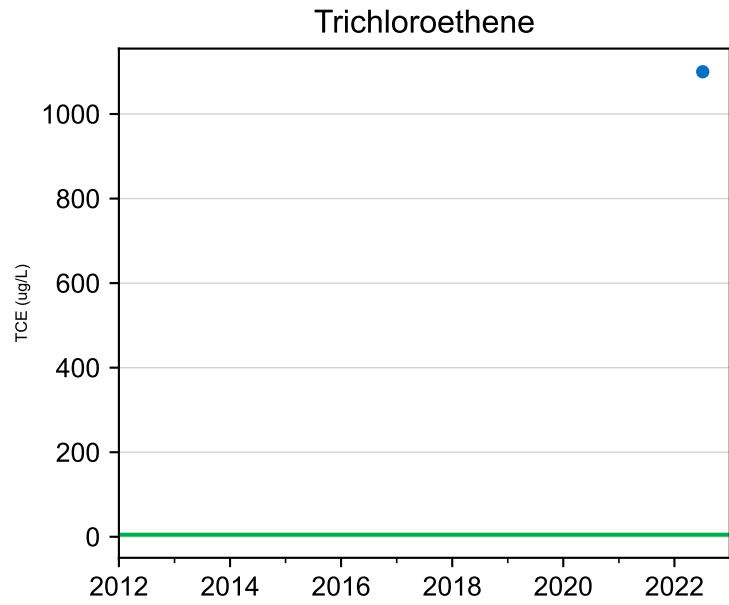
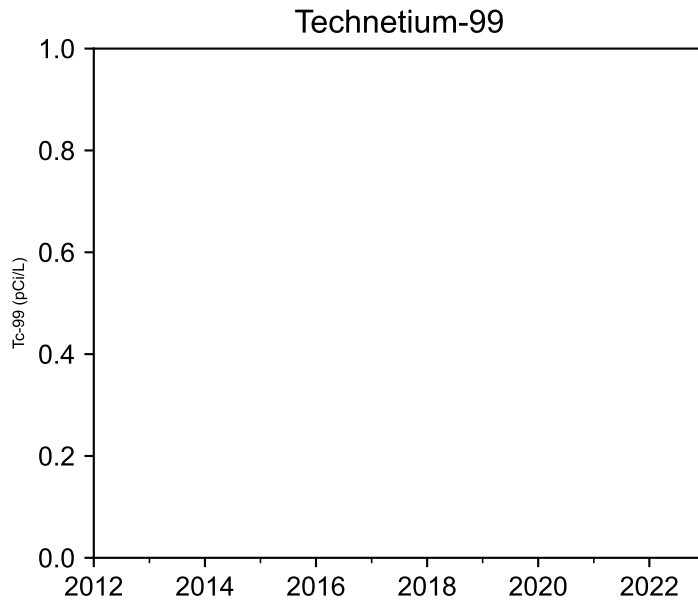
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

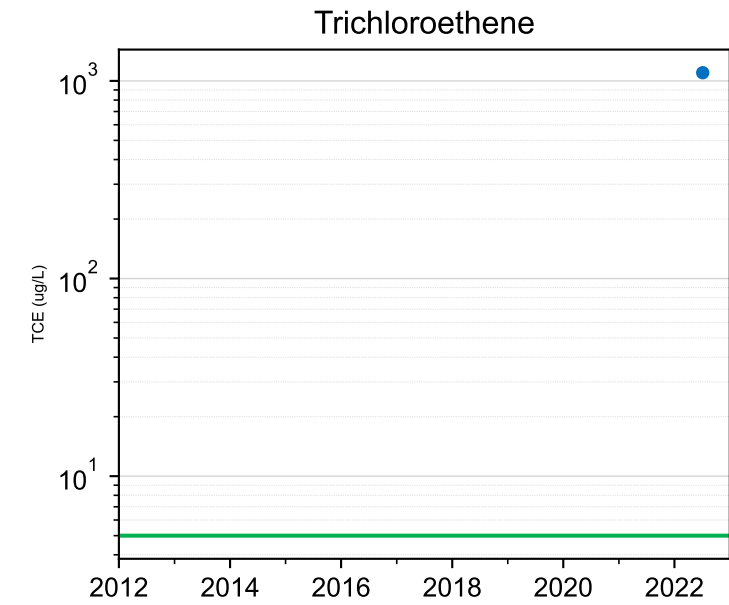
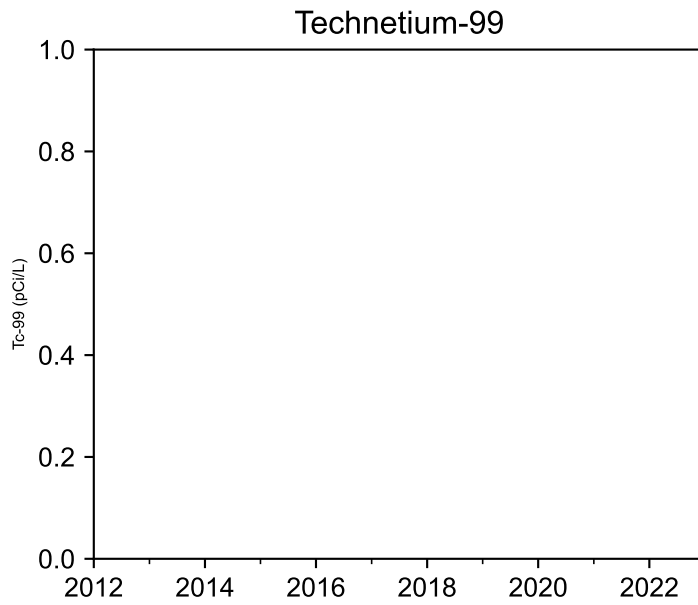
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Figure 266. Tc-99 and TCE at MW574 (URGA)



Sample Date	Trichloroethene (ug/L)
07/06/2022	1100.0

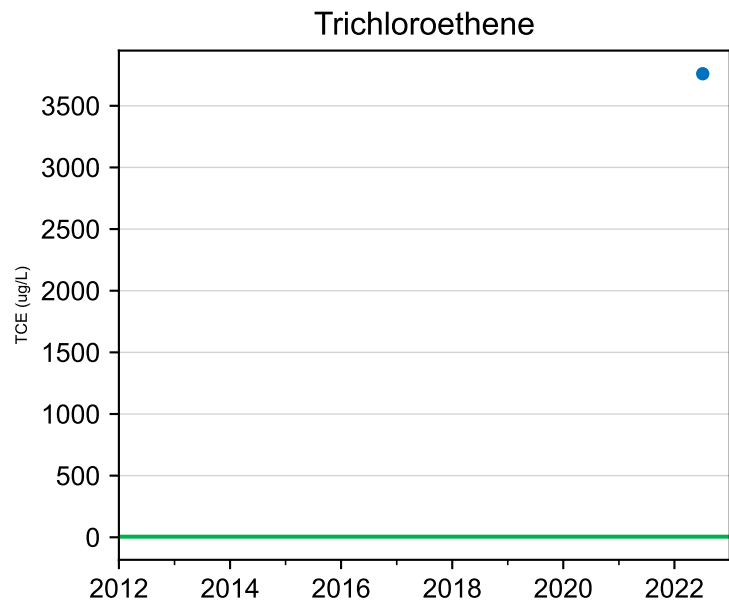
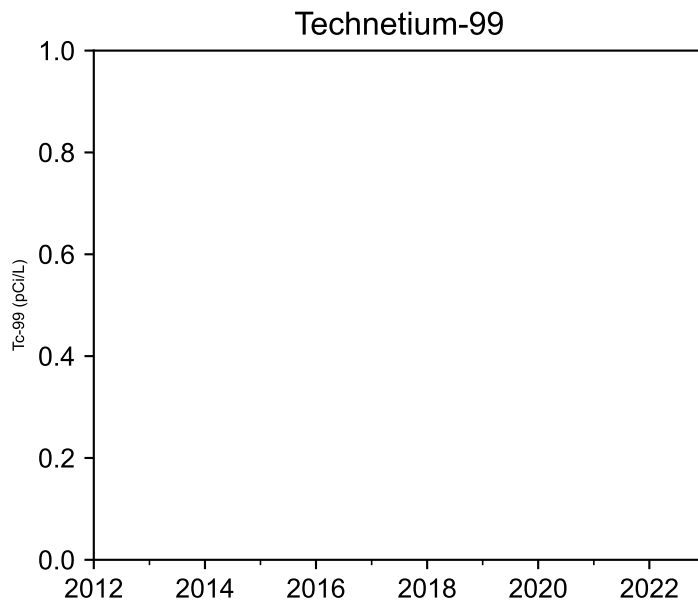


Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

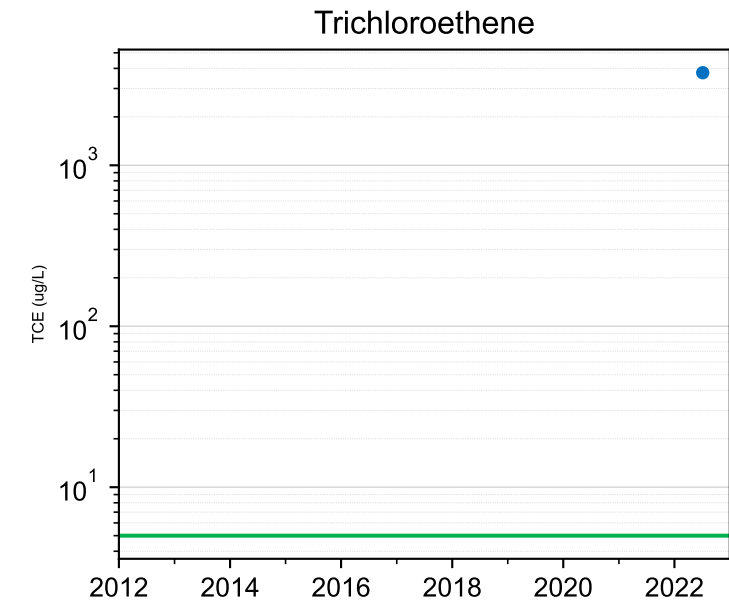
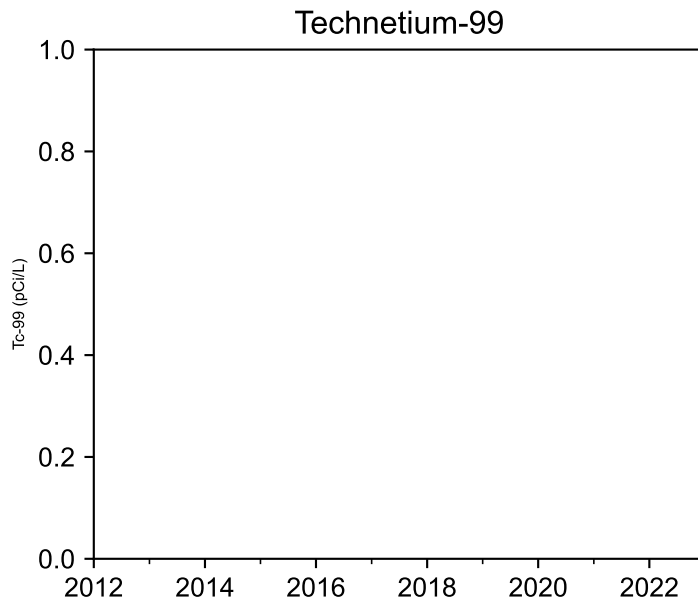
● Data
 — LOWESS
 — MCLs

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Figure 267. Tc-99 and TCE at MW575 (URGA)



Sample Date	Trichloroethene (ug/L)
07/06/2022	3760.0



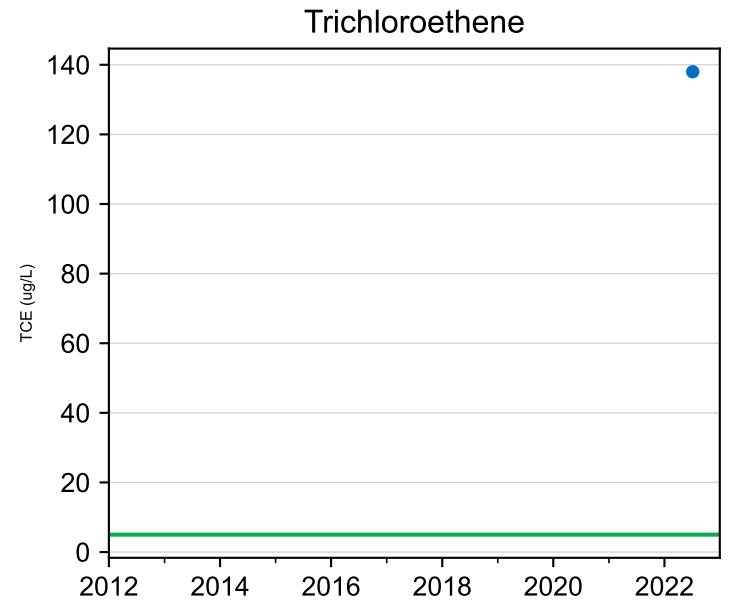
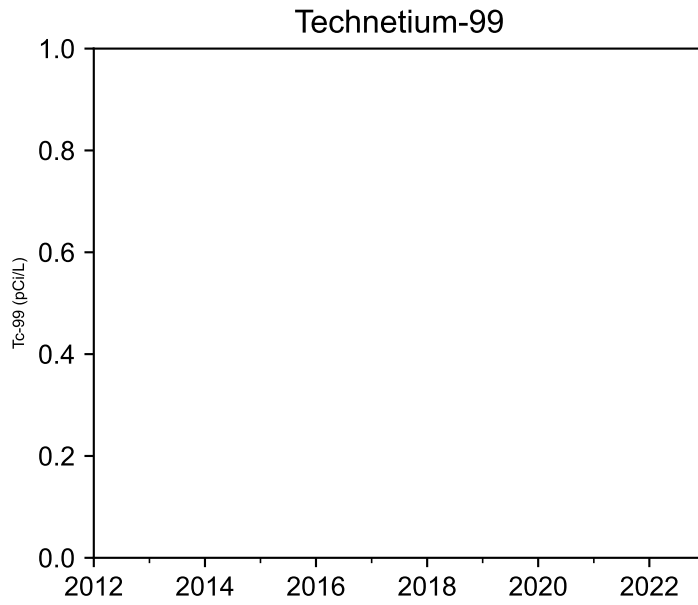
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

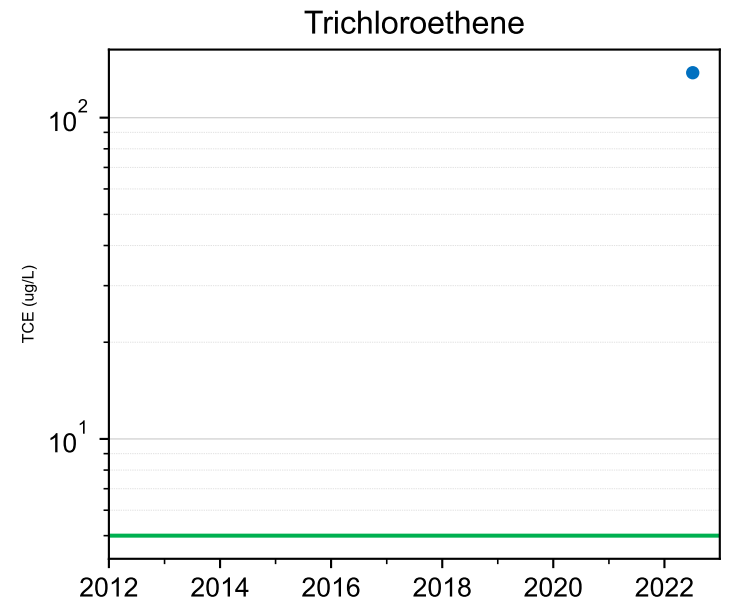
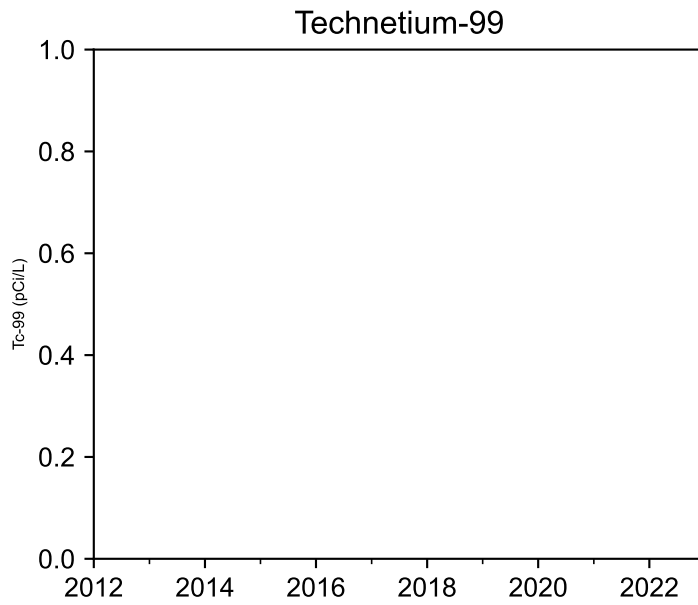
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Figure 268. Tc-99 and TCE at MW576 (MRGA)



Sample Date	Trichloroethene (ug/L)
07/06/2022	138.0



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

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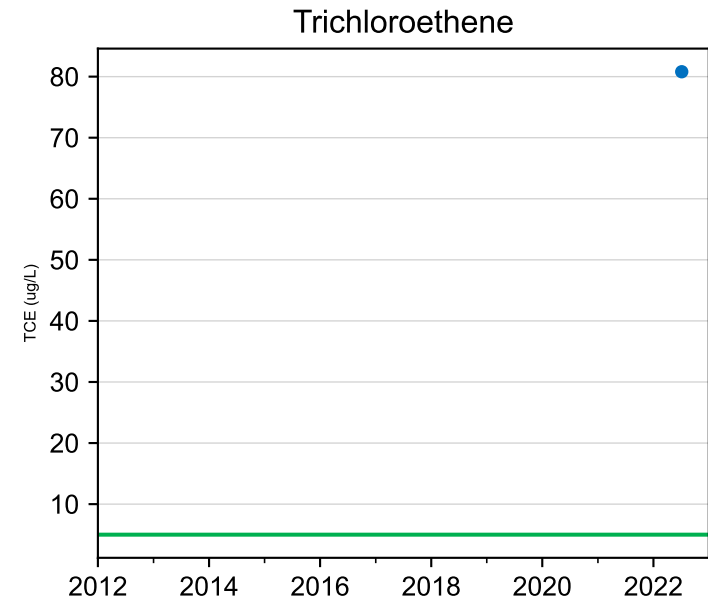
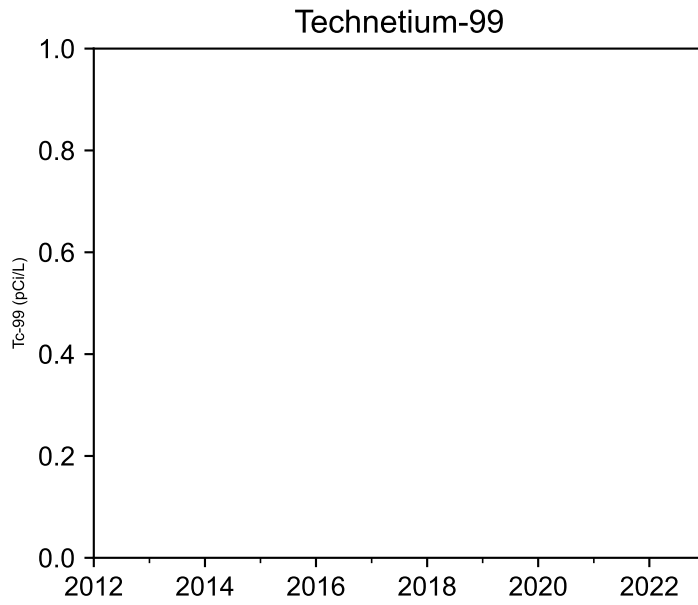
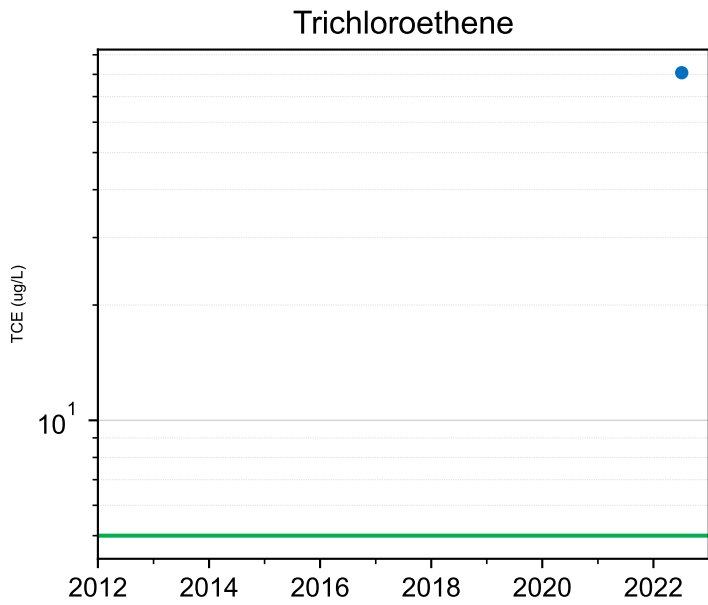
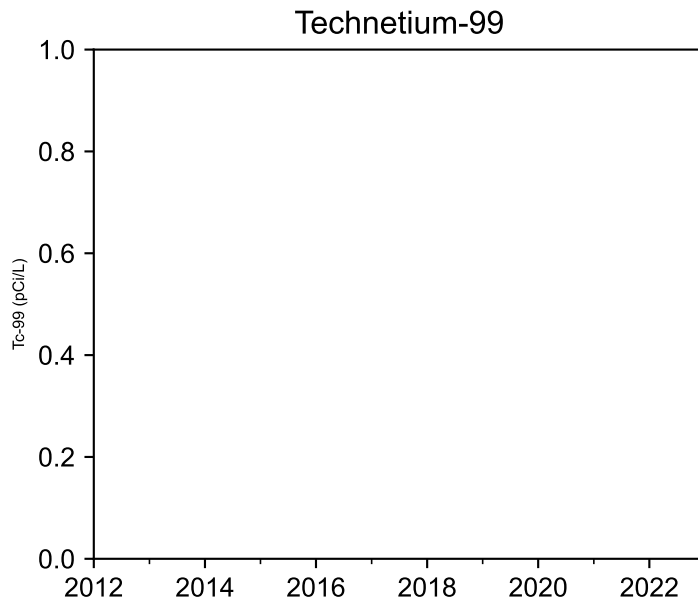


Figure 269. Tc-99 and TCE at MW577 (URGA)



Sample Date	Trichloroethene (ug/L)
07/06/2022	80.8

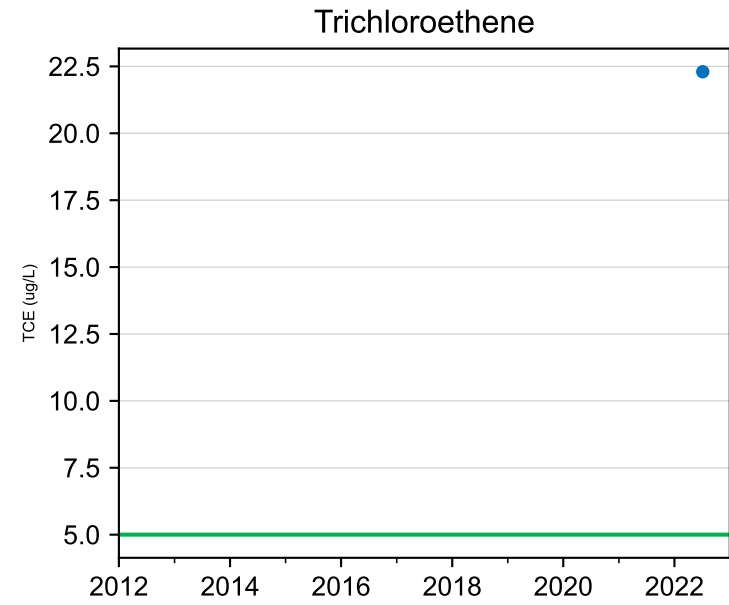
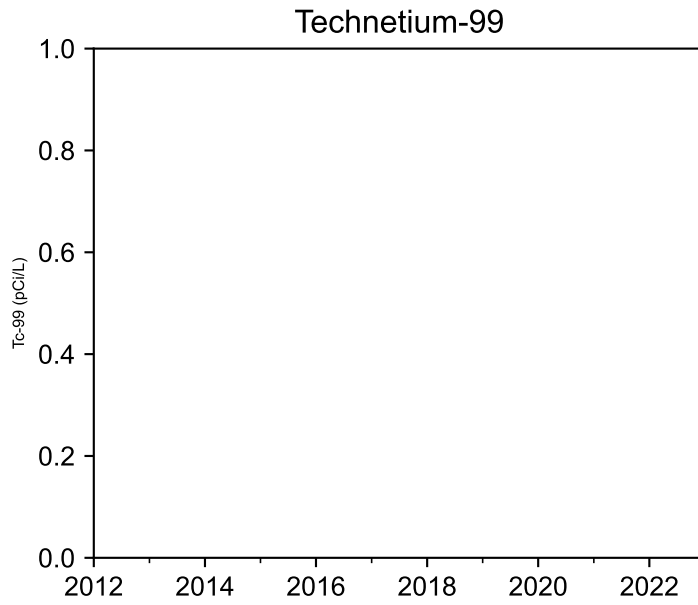


Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

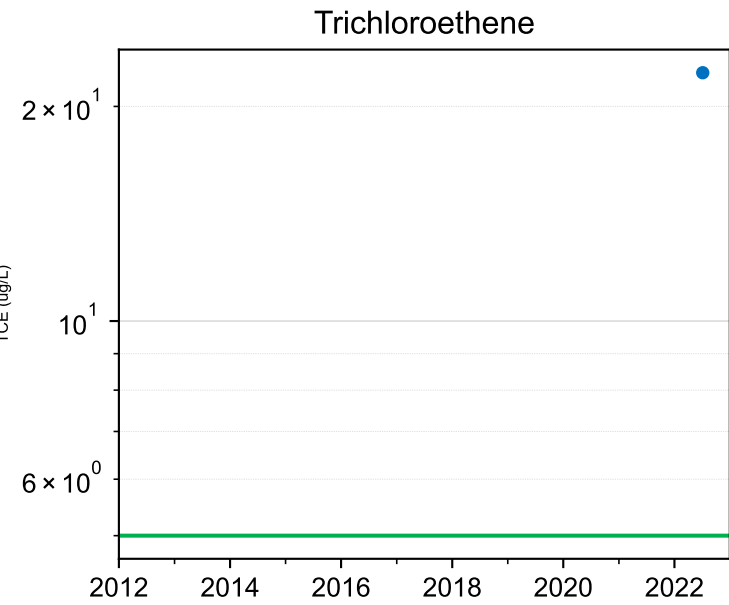
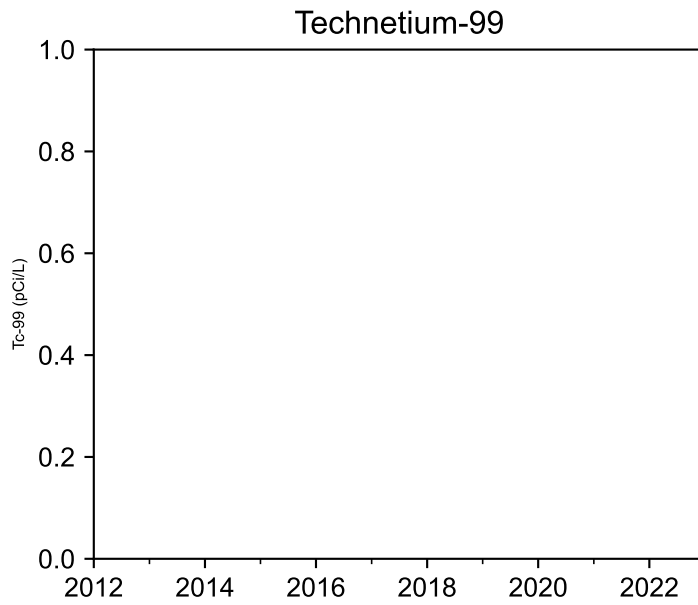
● Data
 — LOWESS
 — MCLs

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Figure 270. Tc-99 and TCE at MW578 (MRGA)



Sample Date	Trichloroethene (ug/L)
07/06/2022	22.3

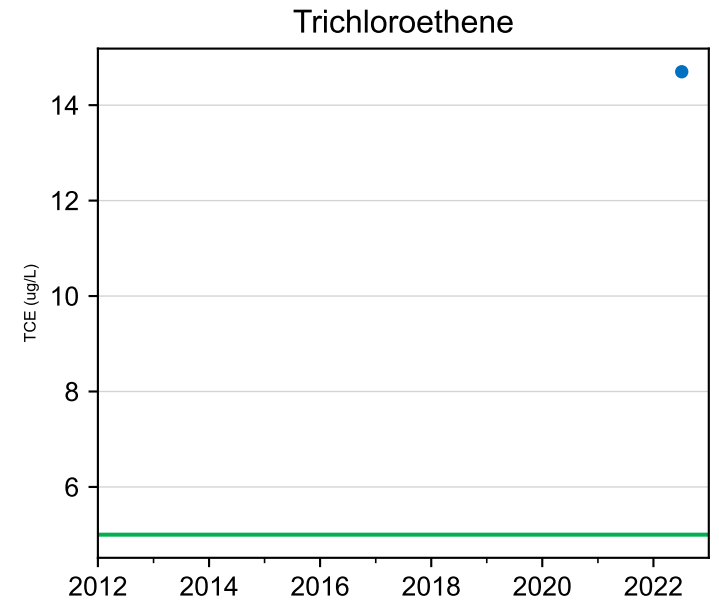
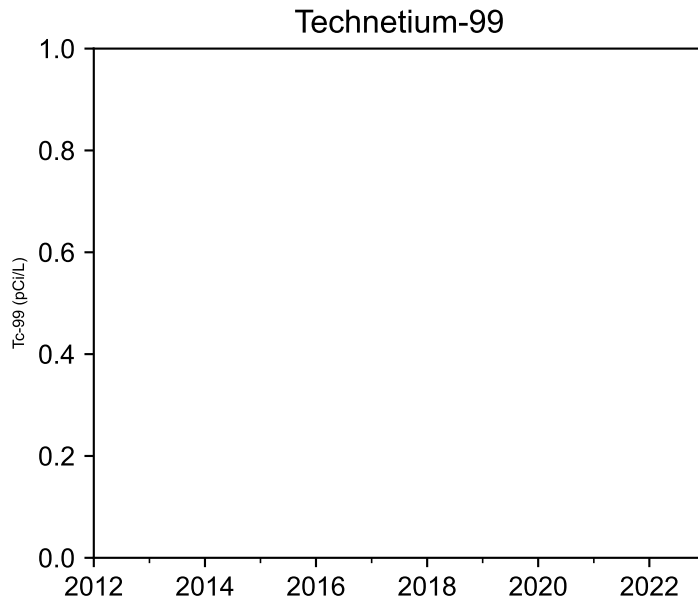


Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

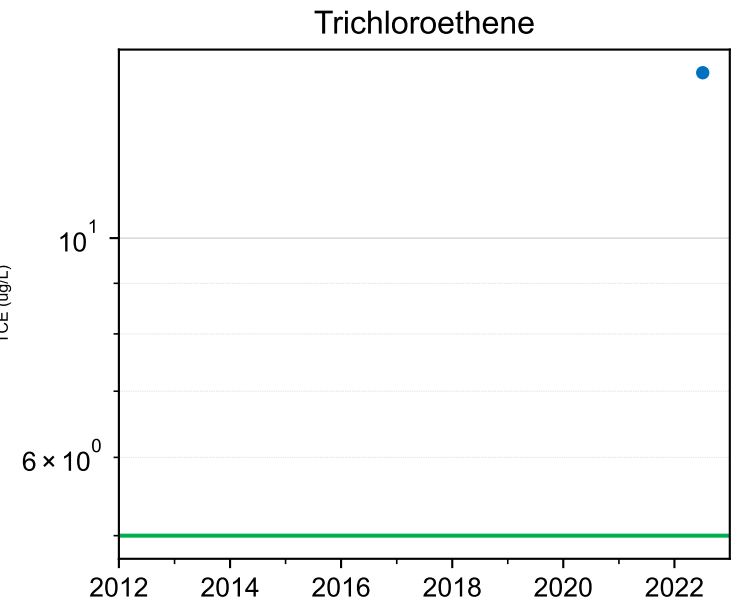
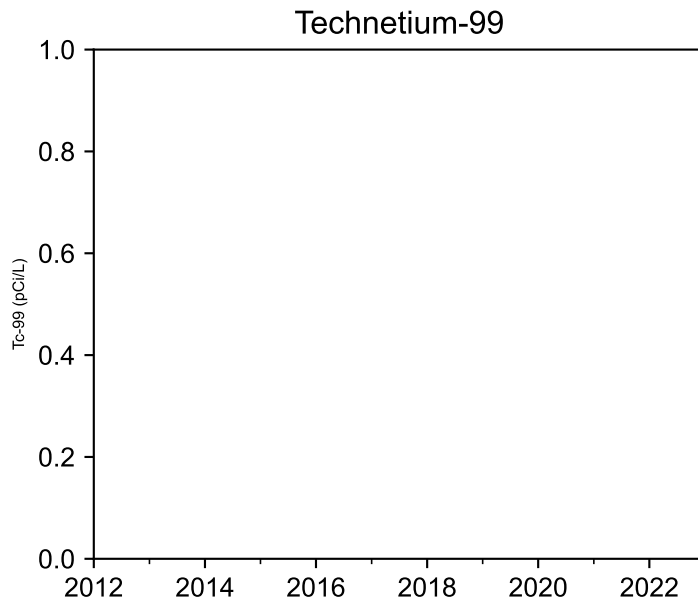
● Data
 — LOWESS
 — MCLs

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Figure 271. Tc-99 and TCE at MW579 (URGA)



Sample Date	Trichloroethene (ug/L)
07/06/2022	14.7



Notes:

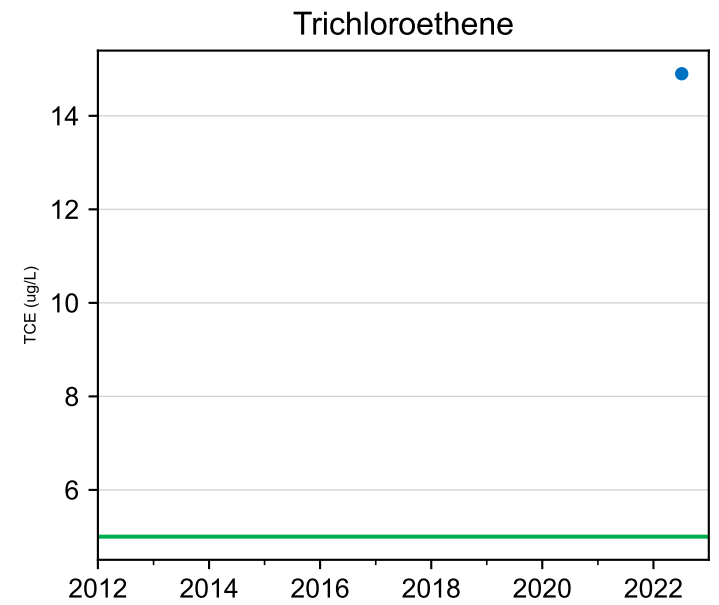
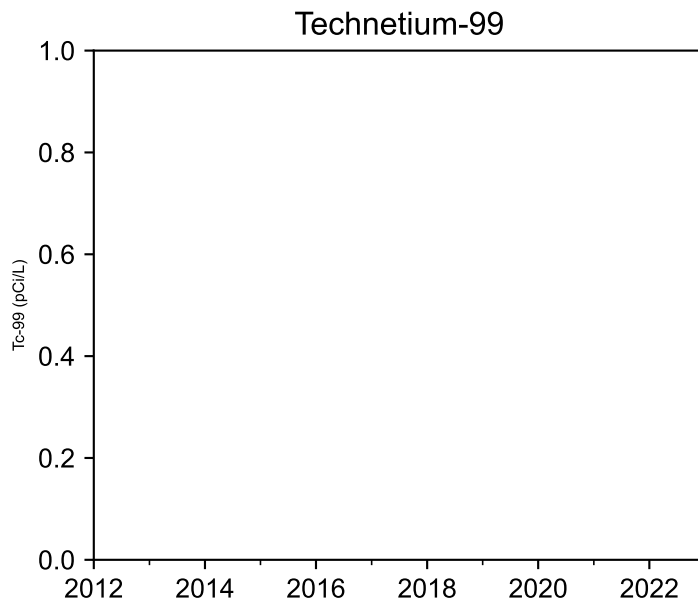
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— MCLs
— LOWESS

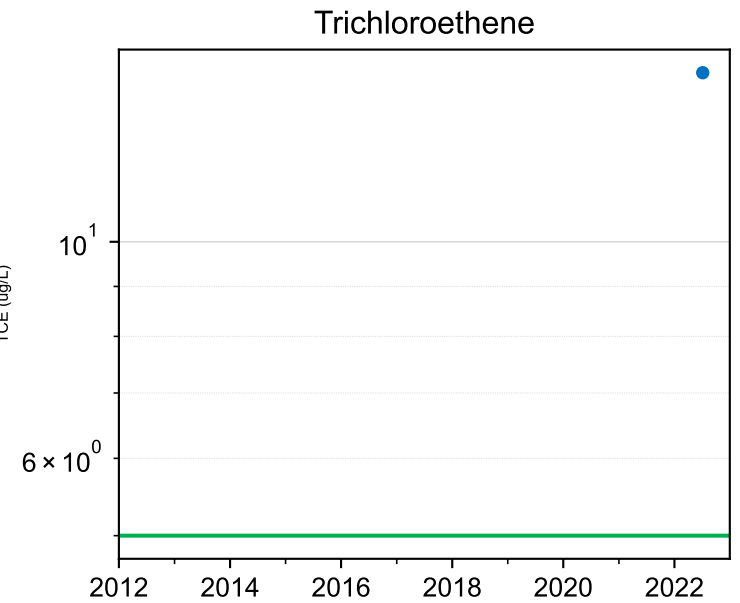
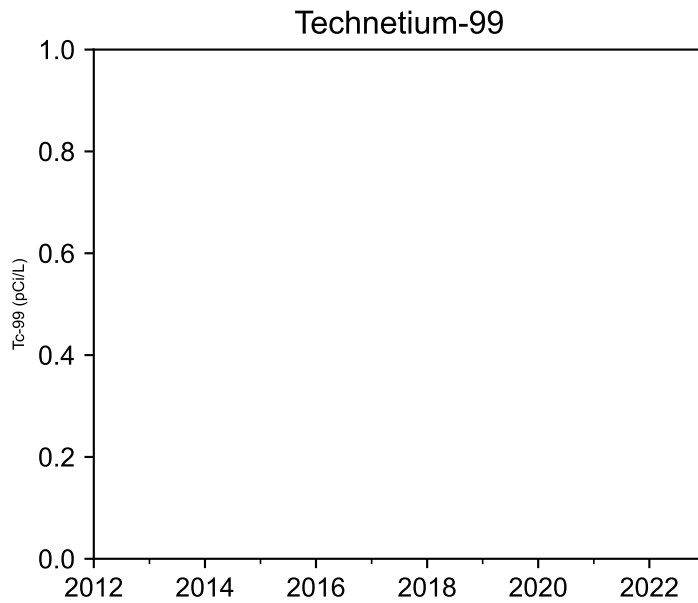
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Figure 272. Tc-99 and TCE at MW580 (MRGA)



Sample Date	Trichloroethene (ug/L)
07/06/2022	14.9



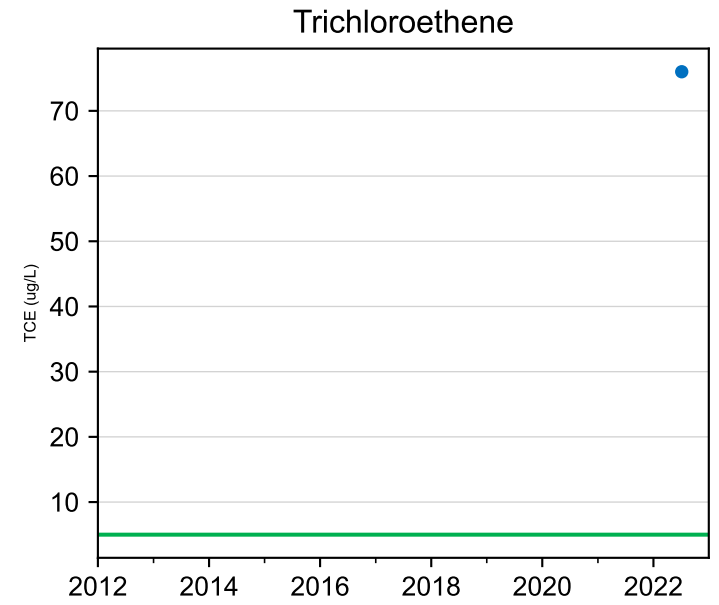
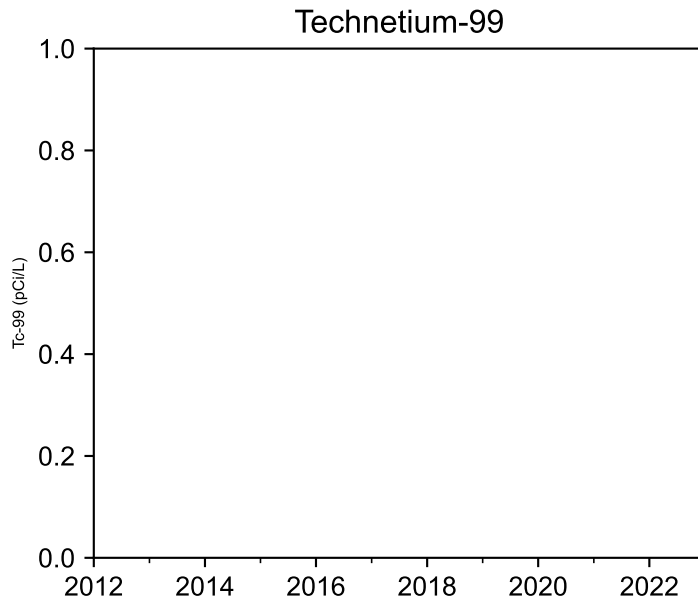
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

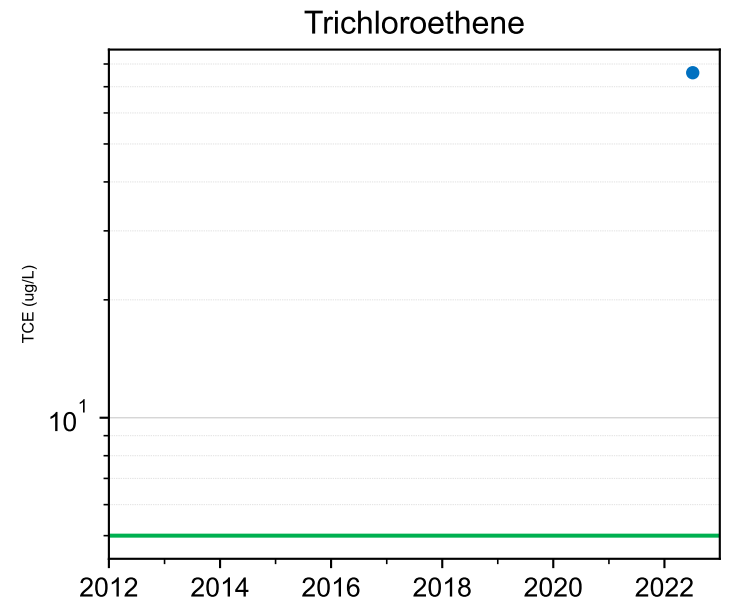
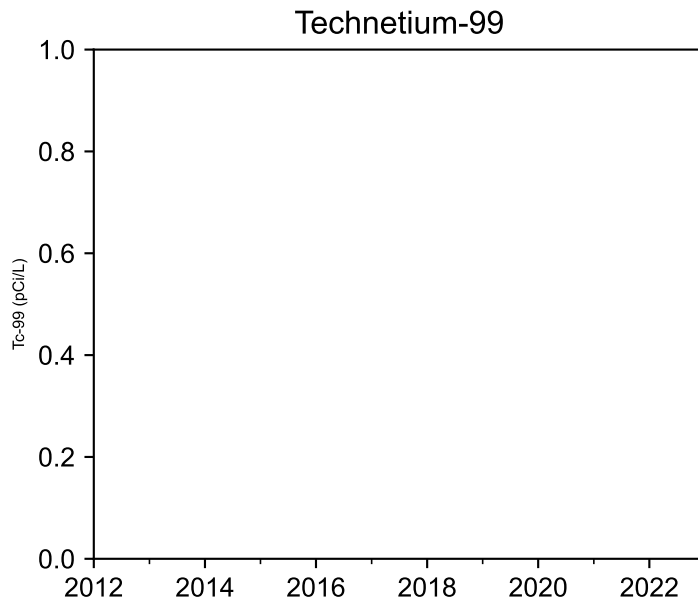
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Figure 273. Tc-99 and TCE at MW581 (URGA)



Sample Date	Trichloroethene (ug/L)
07/06/2022	76.0

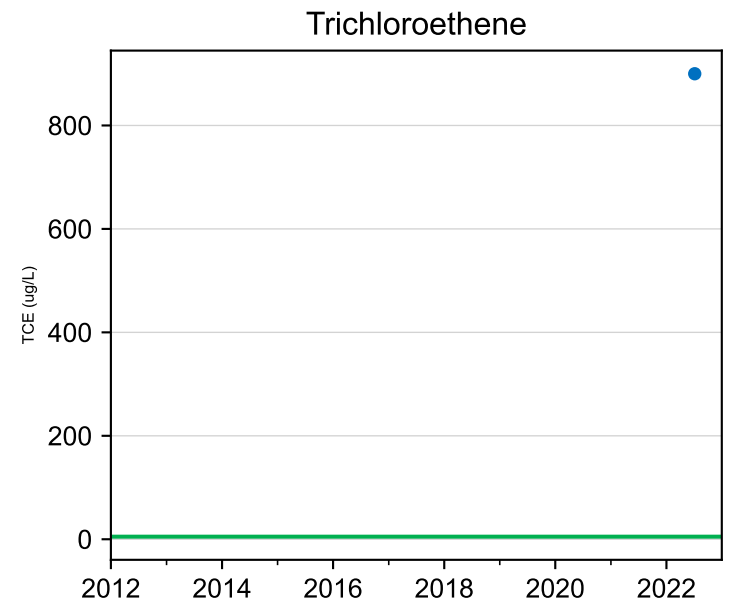
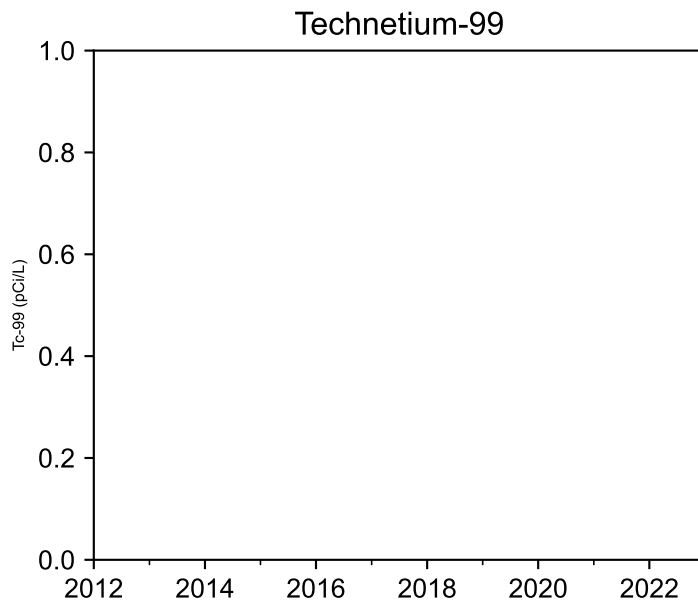


Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

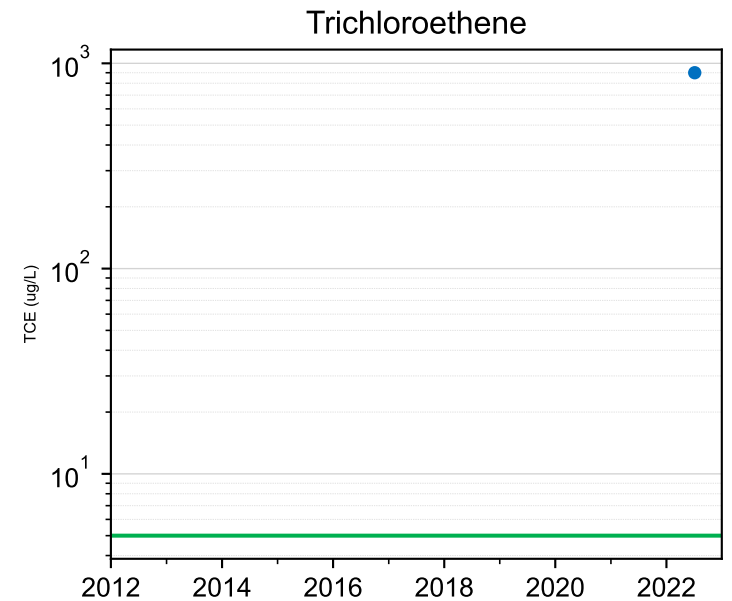
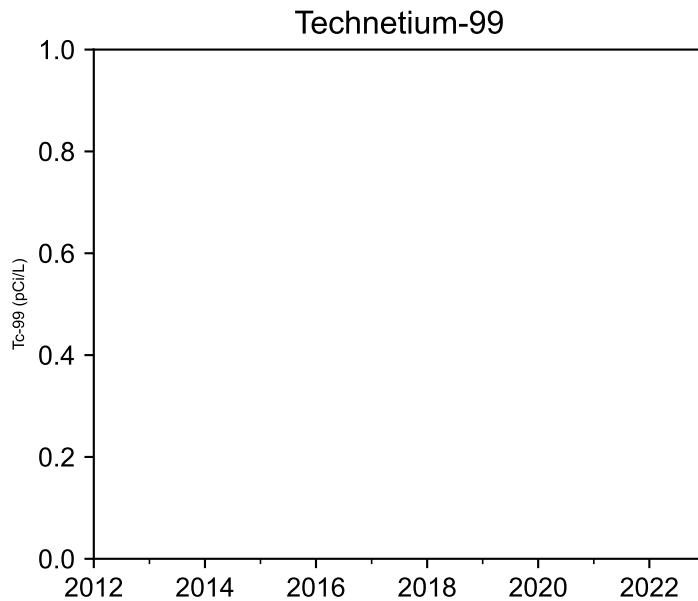
● Data
 — LOWESS
 — MCLs

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Figure 274. Tc-99 and TCE at MW582 (URGA)



Sample Date	Trichloroethene (ug/L)
07/06/2022	900.0



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

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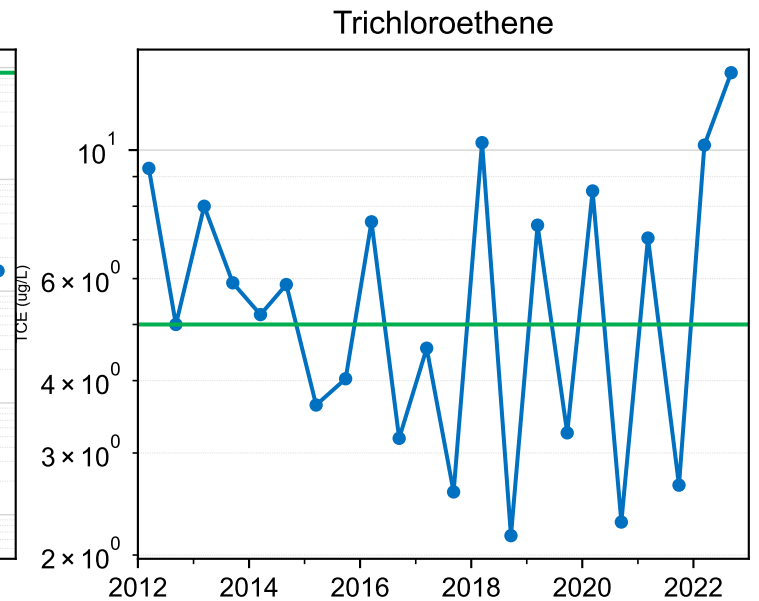
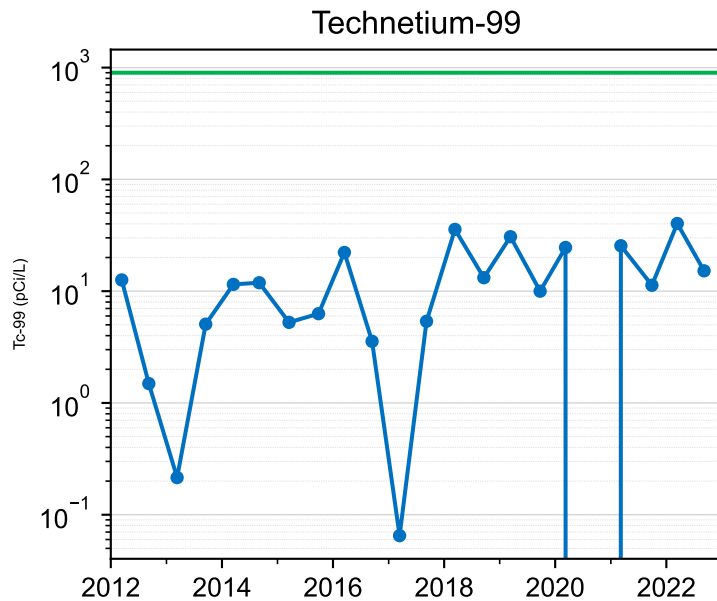
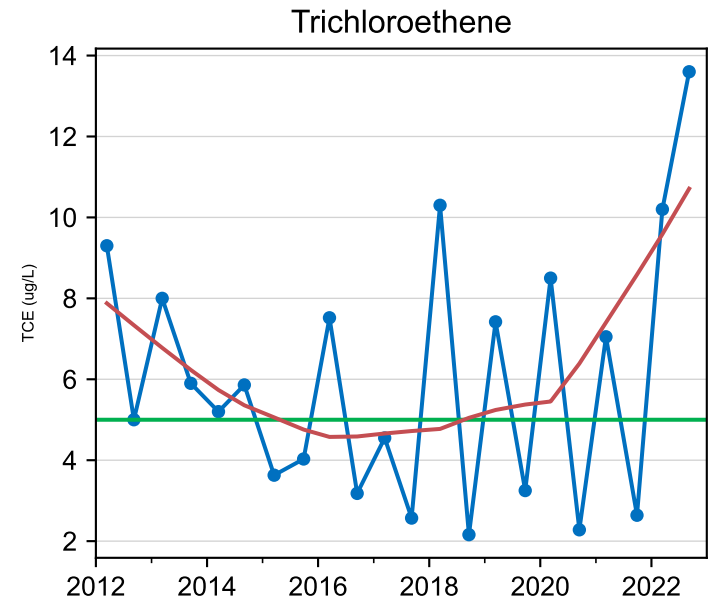
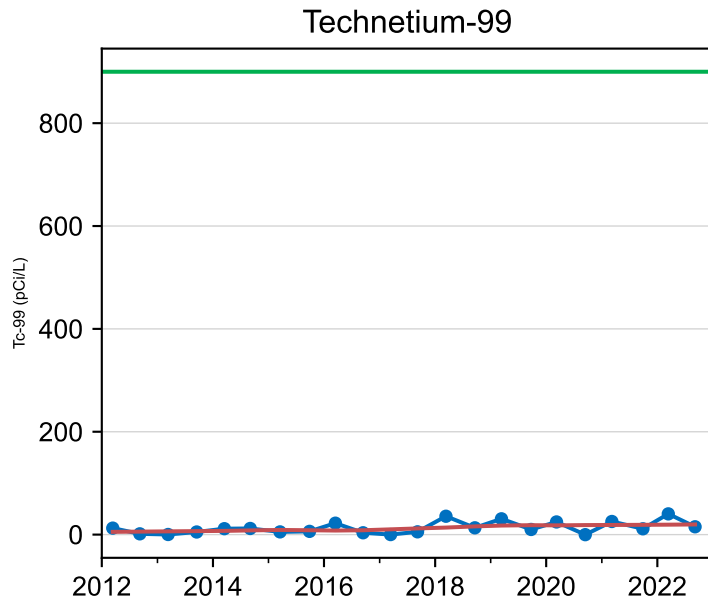

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Figure 275. Tc-99 and TCE at MW586 (MRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2012	12.6 U	9.3 J
09/07/2012	1.49 U	5.0 J
03/12/2013	0.215 U	8.0
09/16/2013	5.07 U	5.9
03/17/2014	11.5 U	5.2
09/03/2014	11.9 U	5.86
03/18/2015	5.26 U	3.63
09/28/2015	6.29 U	4.03
03/16/2016	22.2	7.52
09/14/2016	3.56 U	3.18
03/14/2017	0.065 U	4.55
09/07/2017	5.38 U	2.57
03/13/2018	35.7	10.3
09/19/2018	13.2 U	2.16
03/13/2019	30.7	7.42
09/24/2019	10.0 U	3.25
03/09/2020	24.6	8.5
09/14/2020	-0.133 U	2.28
03/08/2021	25.5	7.05
09/28/2021	11.3 U	2.64
03/14/2022	40.3	10.2
09/06/2022	15.2	13.6



Notes:

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2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

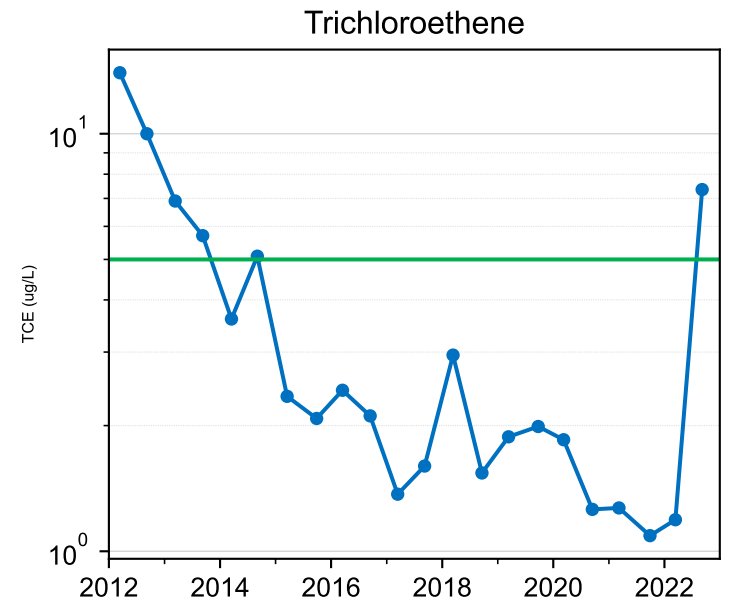
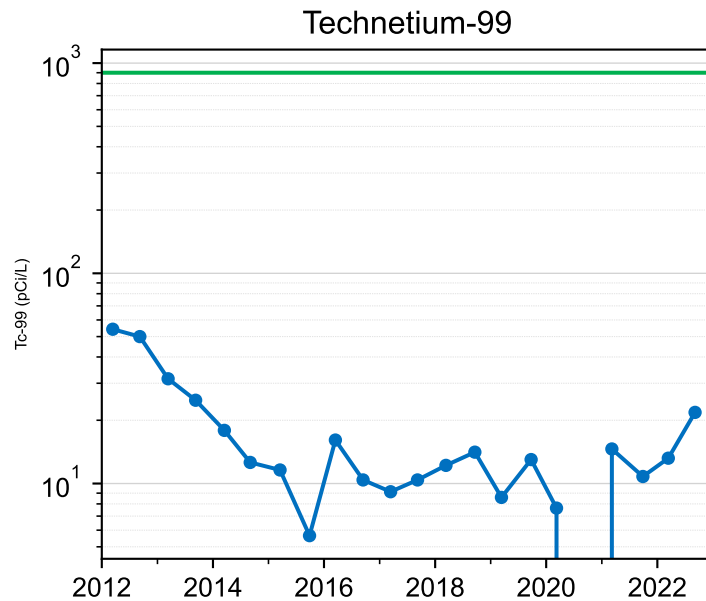
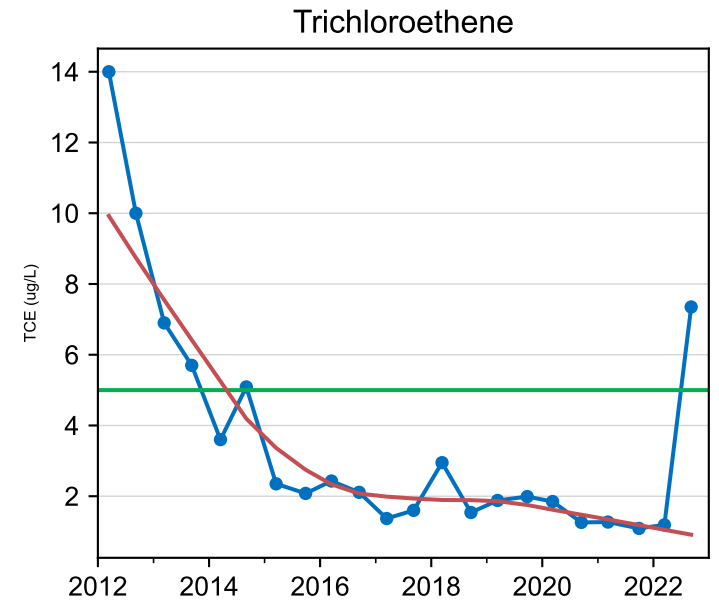
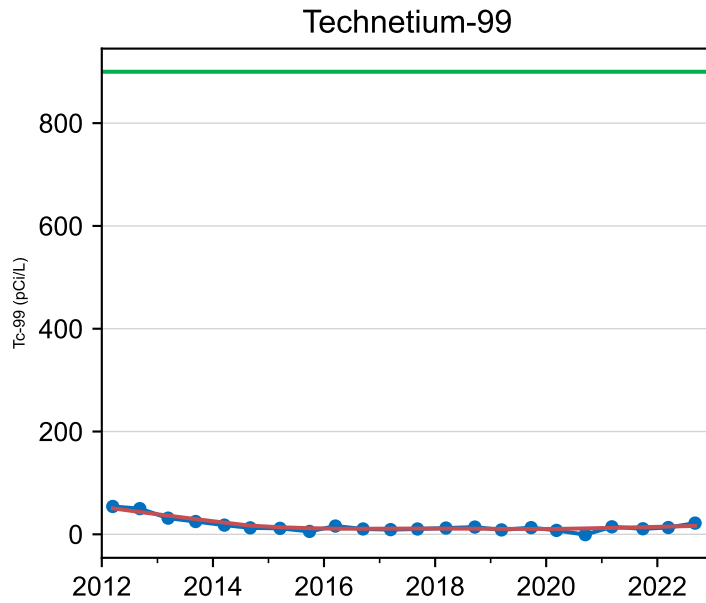
● Data — LOWESS
— MCLs

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Figure 276. Tc-99 and TCE at MW63 (URGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/13/2012	54.2	14.0 J
09/07/2012	50.0	10.0 J
03/12/2013	31.5	6.9
09/09/2013	24.9	5.7 J
03/17/2014	17.9	3.6
09/03/2014	12.6 U	5.09
03/18/2015	11.6 U	2.35
09/28/2015	5.65 U	2.08
03/16/2016	16.1 U	2.43
09/14/2016	10.4 U	2.11
03/14/2017	9.14 U	1.37
09/07/2017	10.4 U	1.6
03/13/2018	12.2 U	2.95
09/19/2018	14.1 U	1.54
03/13/2019	8.59 U	1.88
09/24/2019	13.0 U	1.99
03/09/2020	7.64 U	1.85
09/14/2020	-0.67 U	1.26
03/08/2021	14.6	1.27
09/28/2021	10.8 U	1.09
03/14/2022	13.2 U	1.19
09/06/2022	21.8	7.35



- Notes:
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

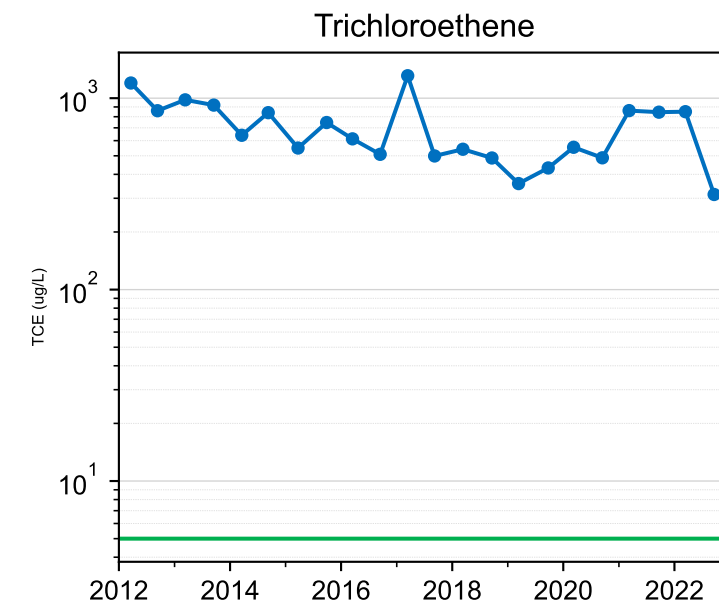
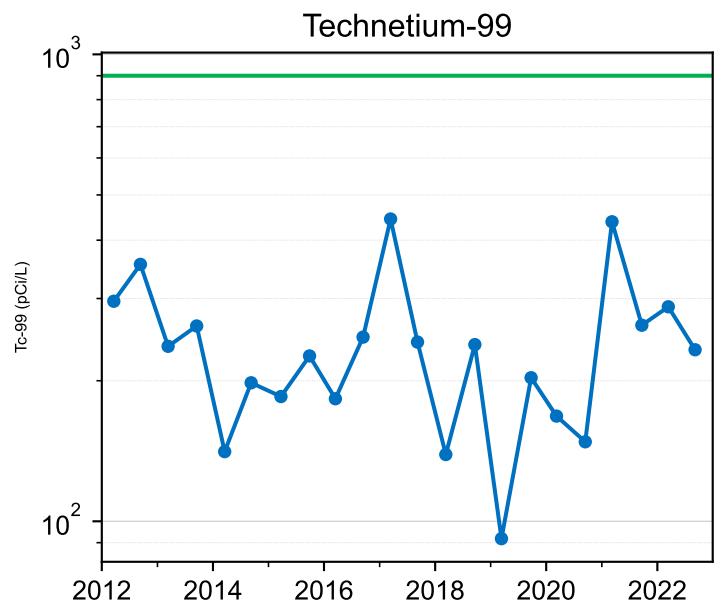
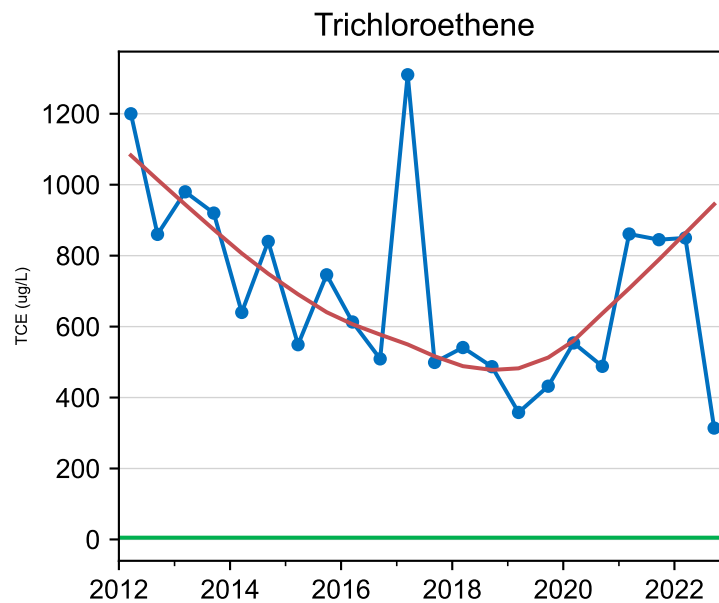
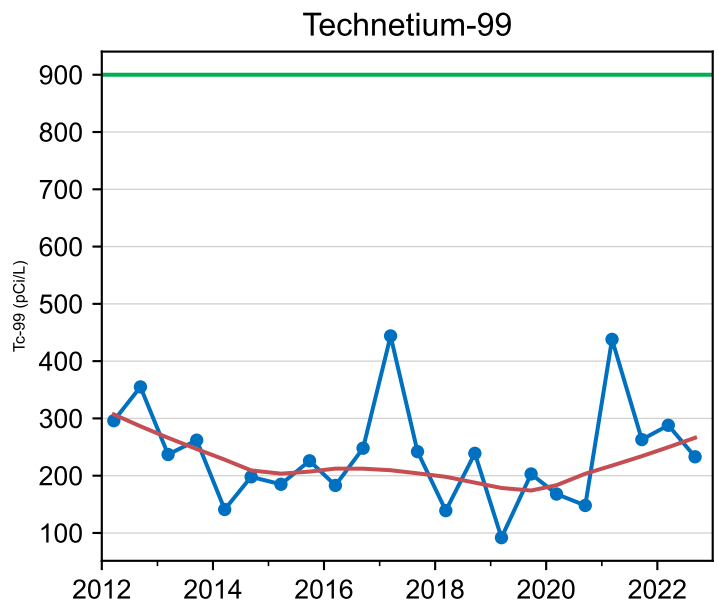
● Data
— LOWESS
— MCLs

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Figure 277. Tc-99 and TCE at MW65 (LRGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
03/20/2012	296.0	1200.0
09/11/2012	355.0	860.0 J
03/12/2013	237.0	980.0
09/16/2013	262.0	920.0 J
03/19/2014	141.0	640.0
09/09/2014	198.0	840.0
03/24/2015	185.0	549.0
09/28/2015	226.0	746.0
03/16/2016	183.0	613.0
09/14/2016	248.0	509.0
03/14/2017	444.0	1310.0
09/07/2017	242.0	499.0
03/12/2018	139.0	541.0
09/19/2018	239.0	487.0
03/13/2019	91.8	358.0
09/24/2019	203.0	432.0
03/09/2020	168.0	554.0
09/14/2020	148.0	488.0
03/09/2021	438.0	861.0
09/21/2021	263.0	845.0
03/14/2022	288.0	850.0
09/06/2022	233.0	
09/19/2022		314.0



- Notes:
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 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

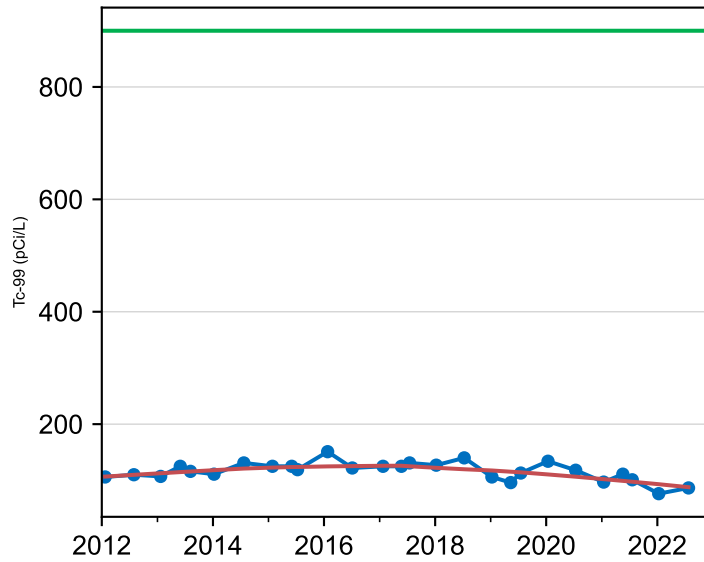
● Data
— LOWESS
— MCLs

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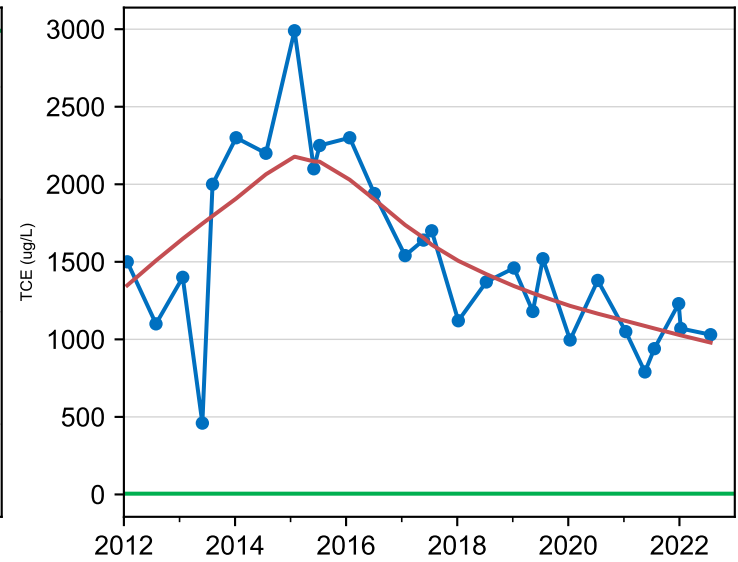
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Figure 278. Tc-99 and TCE at MW66 (URGA)

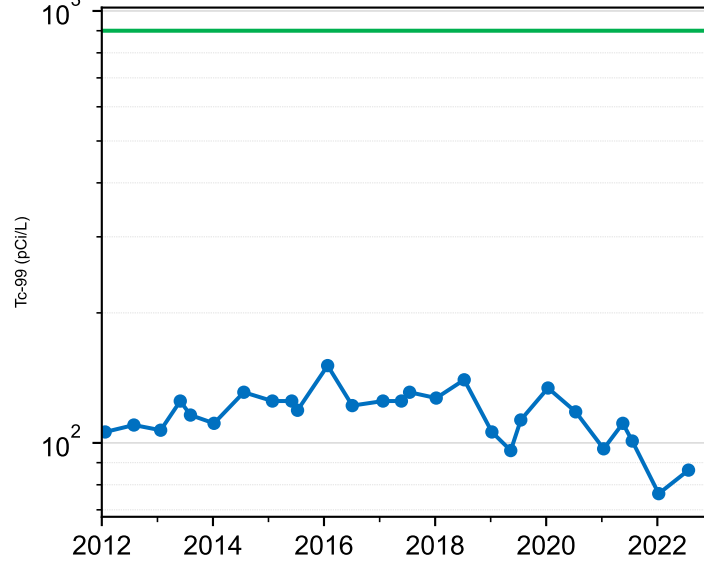
Technetium-99



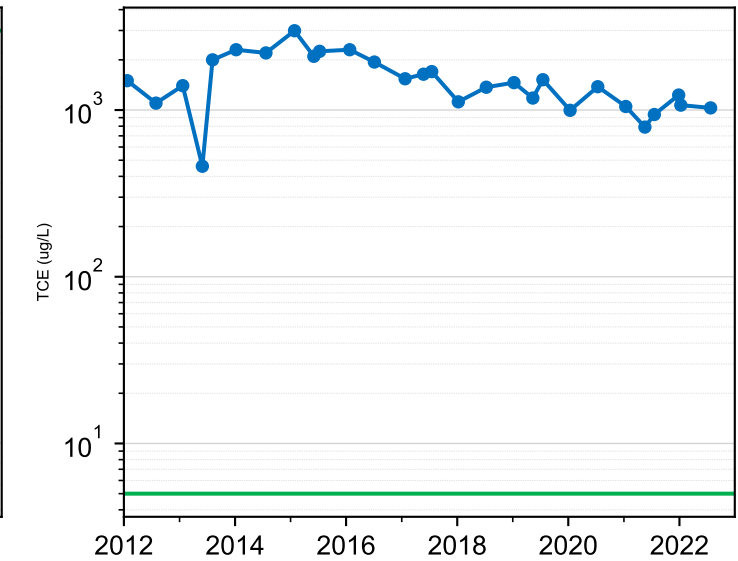
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/23/2012	106.0	1500.0
07/30/2012	110.0	1100.0 J
01/22/2013	107.0	1400.0
05/31/2013	125.0	460.0 J
08/06/2013	116.0	2000.0
01/08/2014	111.0	2300.0
07/23/2014	131.0	2200.0
01/27/2015	125.0	2990.0
06/03/2015	125.0	2100.0
07/11/2015	119.0	2250.0
01/25/2016	151.0	2300.0
07/05/2016	122.0	1940.0
01/23/2017	125.0	1540.0
05/24/2017	125.0	1640.0
07/17/2017	131.0	1700.0
01/08/2018	127.0	1120.0
07/11/2018	140.0	1370.0
01/09/2019	106.0	1460.0
05/13/2019	96.0	1180.0
07/18/2019	113.0	1520.0
01/13/2020	134.0	996.0
07/13/2020	118.0	1380.0
01/13/2021	96.9	1050.0
05/19/2021	111.0	790.0 J
07/20/2021	101.0	940.0
12/27/2021		1230.0
01/10/2022	76.3	1070.0
07/25/2022	86.5	1030.0

Notes:
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 2. J = Concentration is estimated.
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 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

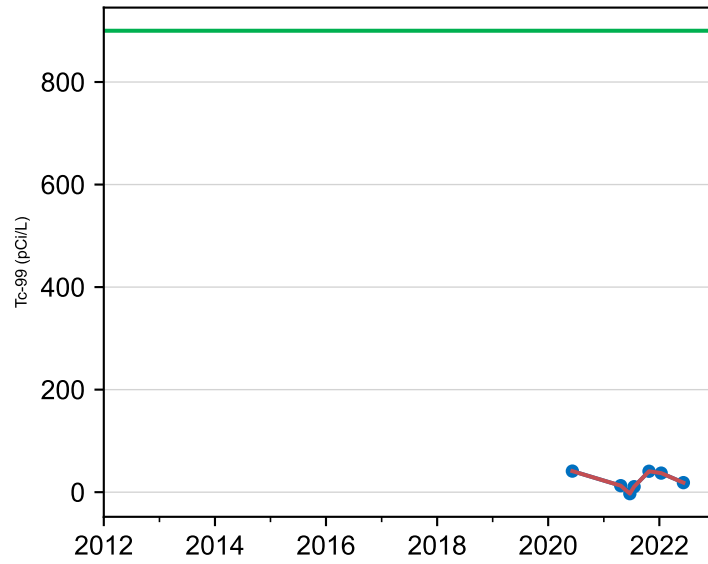
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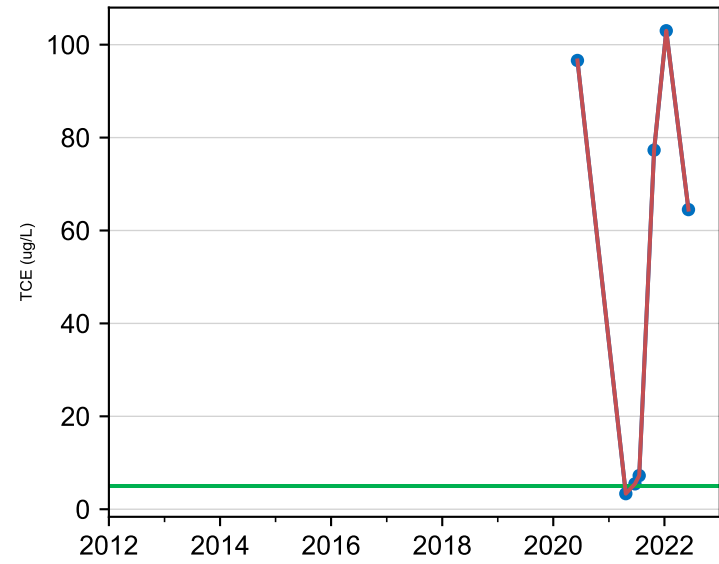
Figure 279. Tc-99 and TCE at MW67 (MRGA)

Source: Trend_Plots_V1.ipynb

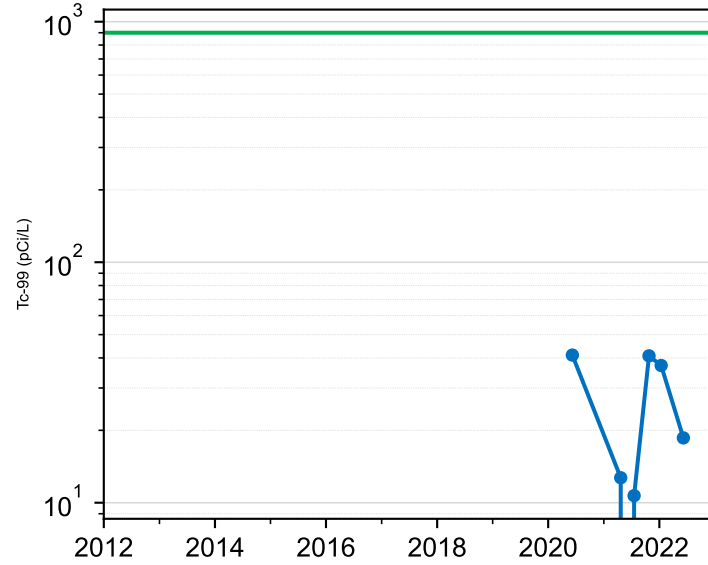
Technetium-99



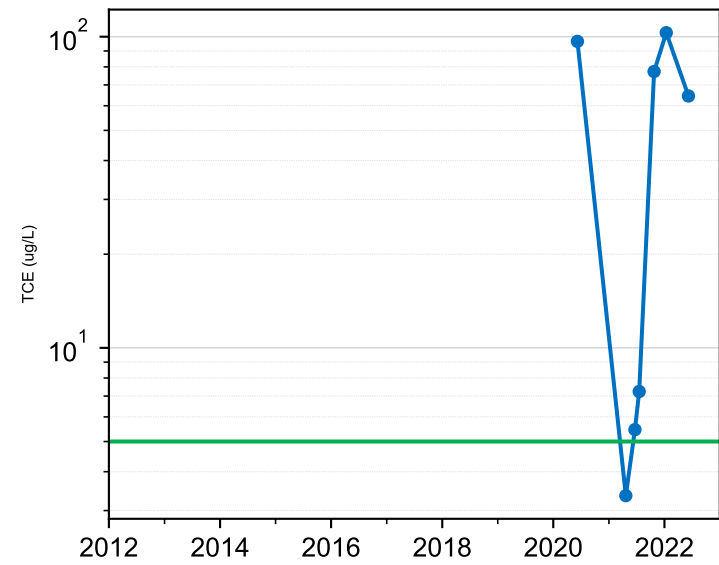
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
06/08/2020	41.1	96.6
04/22/2021	12.7	3.35
06/21/2021	-2.91 U	5.46
07/19/2021	10.7	7.24
10/25/2021	40.8	77.3
01/13/2022	37.2	103.0
06/08/2022	18.6 U	64.5 J

Notes:

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2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

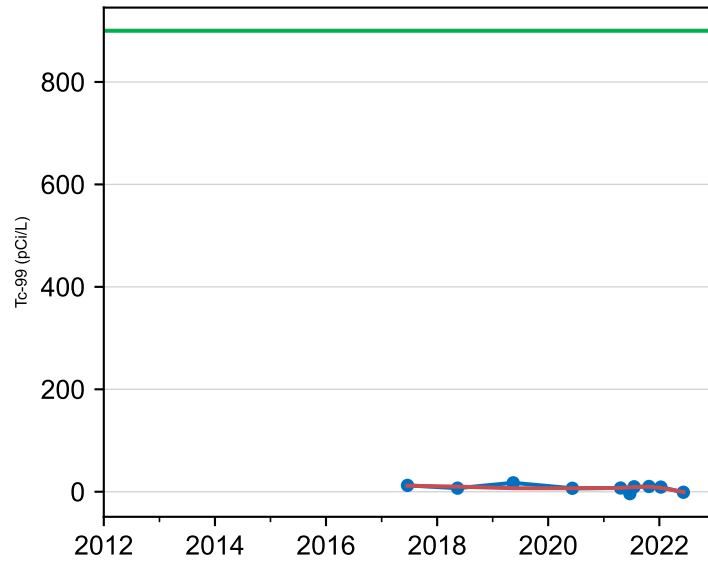
● Data
— LOWESS
— MCLs

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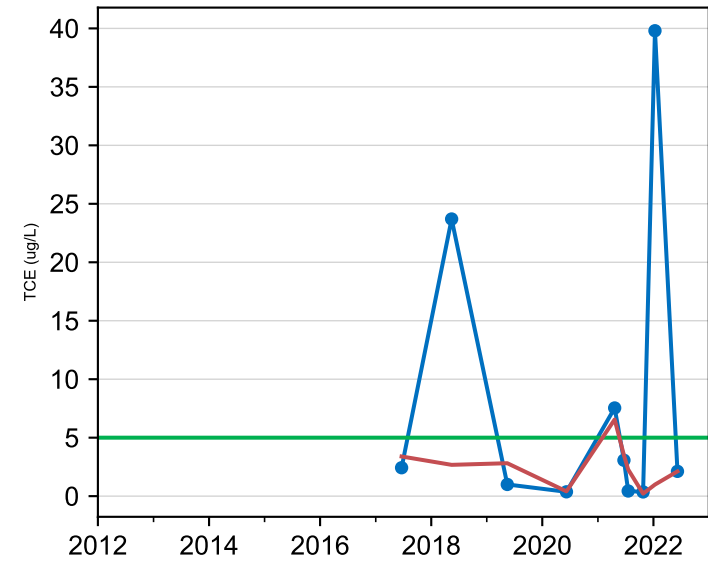

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Figure 280. Tc-99 and TCE at MW68 (LRGA)

Technetium-99

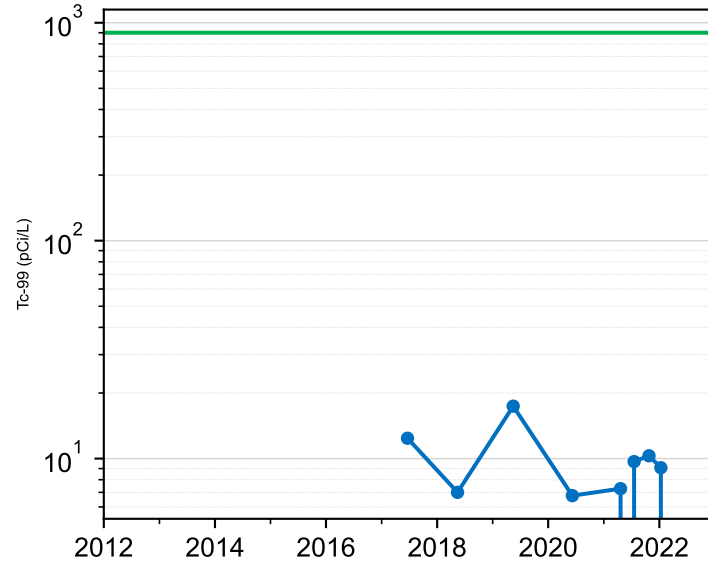


Trichloroethene

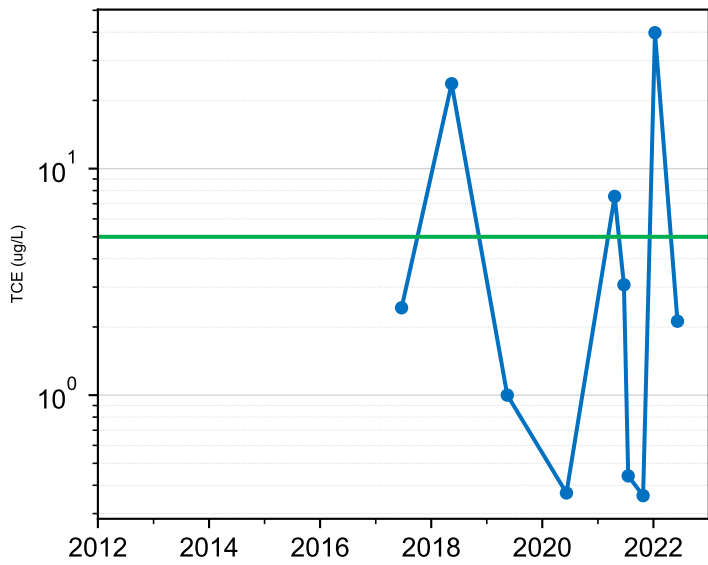


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
06/20/2017	12.4 U	2.43
05/15/2018	7.0 U	23.7
05/16/2019	17.4 U	1.0 U
06/08/2020	6.76 U	0.37 J
04/21/2021	7.28	7.54
06/21/2021	-3.75 U	3.07
07/19/2021	9.69	0.44 J
10/25/2021	10.3	0.36 J
01/11/2022	9.08	39.8
06/08/2022	-1.01 U	2.12 J

Technetium-99



Trichloroethene



Notes:
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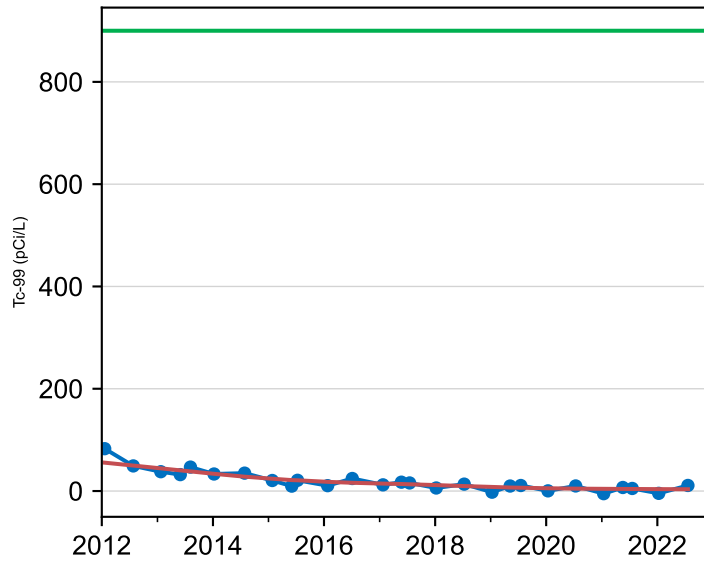
● Data
 — LOWESS
 — MCLs

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 PADUCAH GASEOUS DIFFUSION PLANT

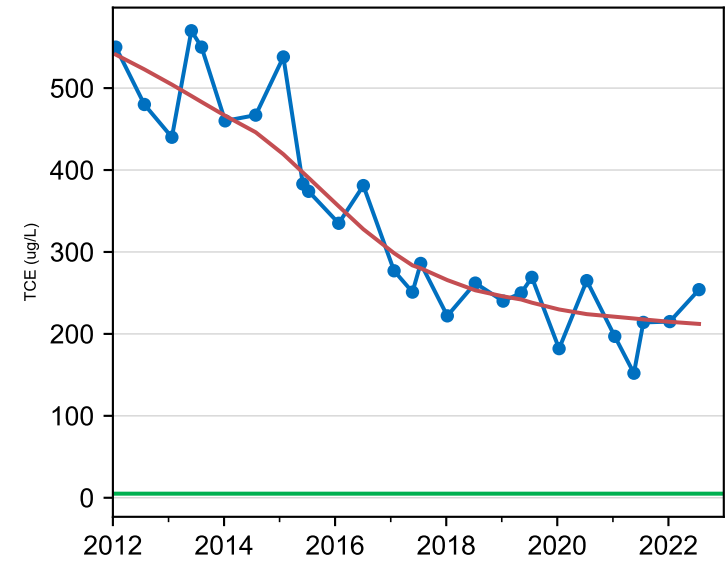
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Figure 281. Tc-99 and TCE at MW71 (URGA)

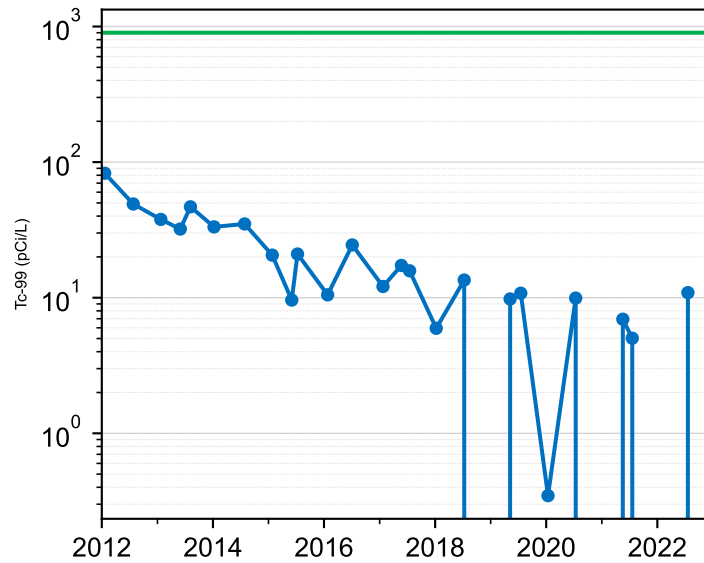
Technetium-99



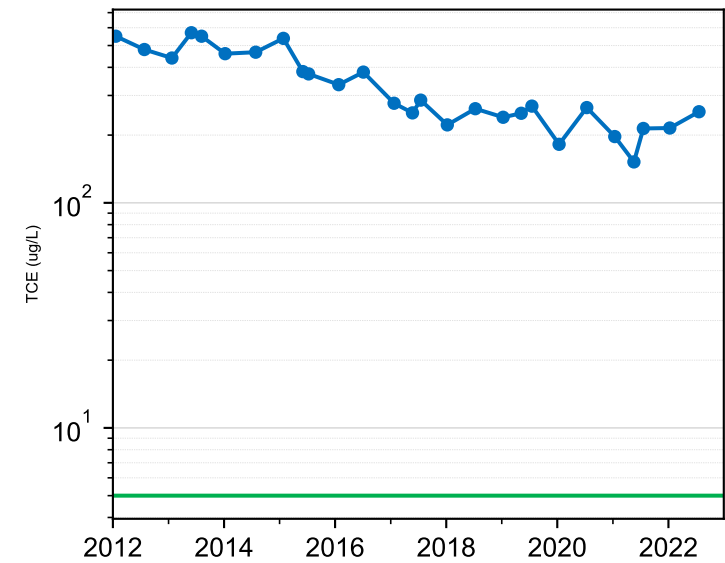
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/20/2012	82.8	550.0
07/26/2012	49.1	480.0
01/23/2013	37.8	440.0
05/31/2013	32.1	570.0
08/06/2013	46.8	550.0
01/08/2014	33.3	460.0
07/28/2014	35.0	467.0
01/26/2015	20.6	538.0
06/03/2015	9.61 U	383.0
07/11/2015	21.0	374.0
01/25/2016	10.5 U	335.0
07/05/2016	24.5	381.0
01/23/2017	12.1 U	277.0
05/24/2017	17.3 U	251.0
07/17/2017	15.8 U	286.0
01/08/2018	5.95 U	222.0
07/11/2018	13.5 U	262.0
01/10/2019	-2.25 U	240.0
05/09/2019	9.79 U	250.0
07/18/2019	10.8 U	269.0
01/13/2020	0.347 U	182.0
07/13/2020	9.94 U	265.0
01/13/2021	-5.15 U	197.0
05/19/2021	6.94 U	152.0 J
07/20/2021	5.03 U	214.0
01/10/2022	-4.51 U	215.0
07/21/2022	10.9 U	254.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

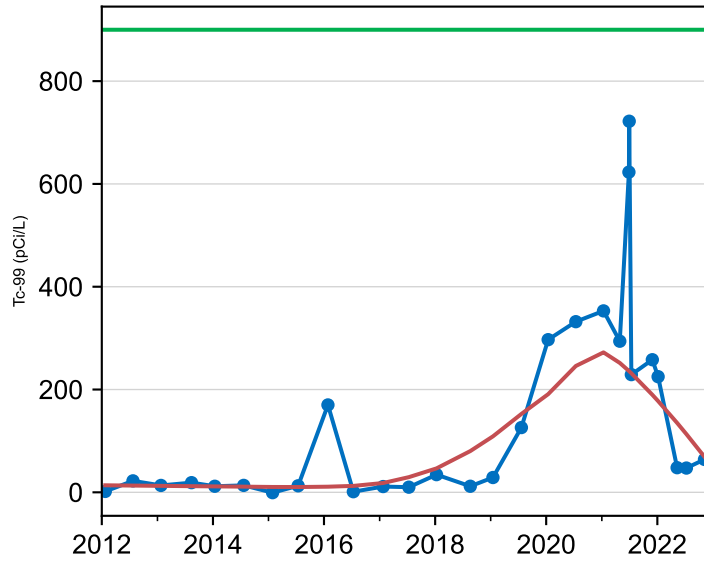
● Data
 — LOWESS
 — MCLs

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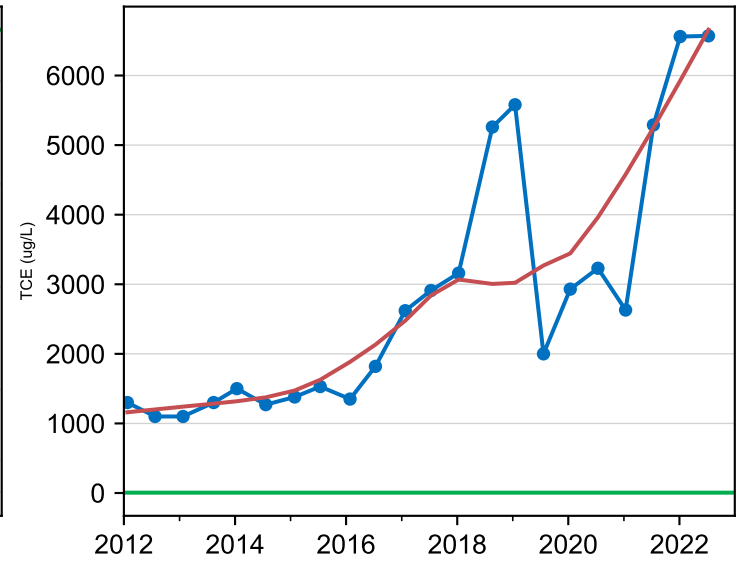
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 282. Tc-99 and TCE at MW76 (MRGA)

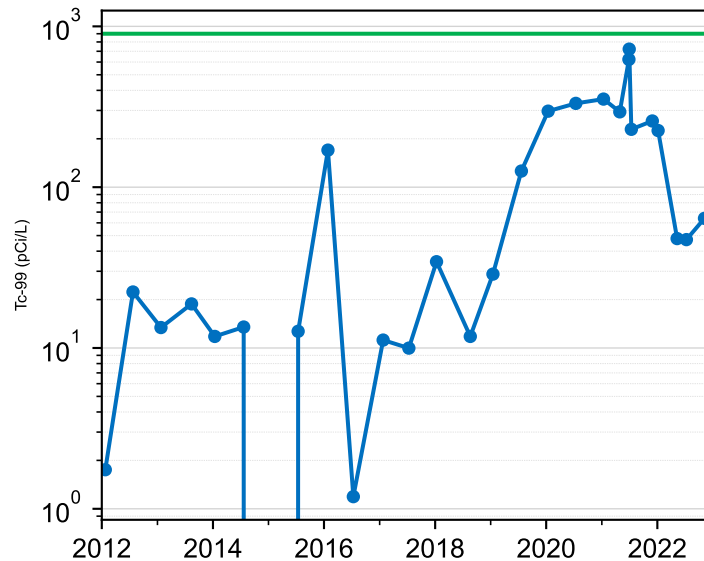
Technetium-99



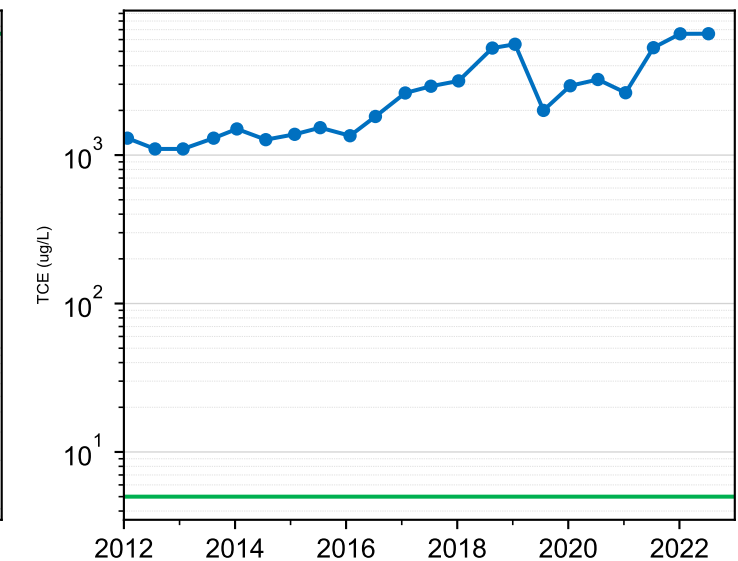
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/24/2012	1.75 U	1300.0
07/24/2012	22.3	1100.0
01/24/2013	13.4 U	1100.0
08/13/2013	18.8 J	1300.0
01/13/2014	11.8 U	1500.0
07/22/2014	13.5 U	1270.0
01/28/2015	-0.685 U	1380.0
07/15/2015	12.7 U	1530.0
01/27/2016	170.0	1350.0
07/12/2016	1.19 U	1820.0
01/24/2017	11.2 U	2620.0
07/12/2017	9.98 U	2910.0
01/10/2018	34.4	3160.0
08/20/2018	11.8 U	5260.0
01/16/2019	28.8	5580.0
07/22/2019	126.0	2000.0 J
01/14/2020	297.0	2930.0
07/14/2020	332.0	3230.0
01/12/2021	353.0	2630.0
04/29/2021	294.0	
06/28/2021	623.0	
08/30/2021	722.0	
07/14/2021	229.0	5290.0 J
11/29/2021	258.0	
01/06/2022	225.0	6560.0
05/11/2022	47.9	
07/11/2022	47.2	6570.0
11/07/2022	64.0	

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

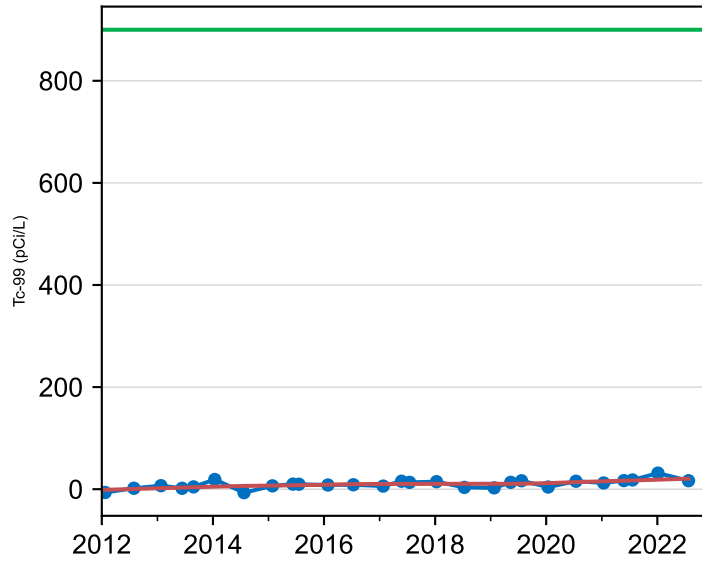
● Data
 — LOWESS
 — MCLs

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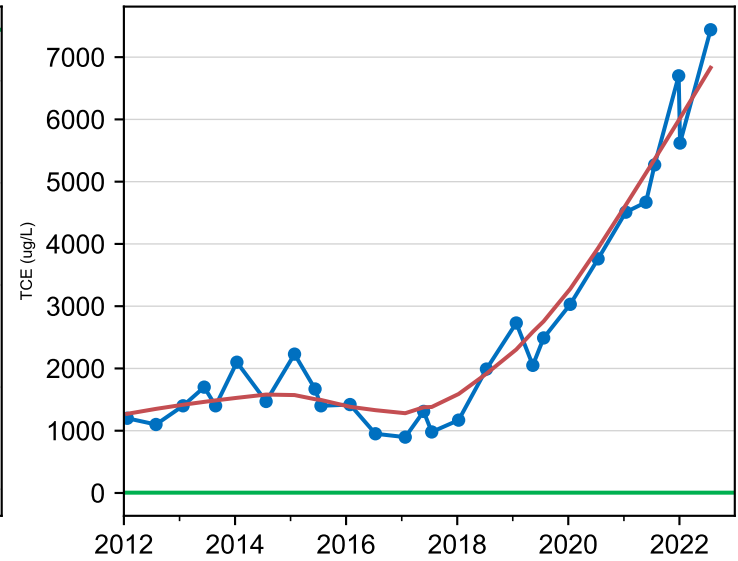
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 283. Tc-99 and TCE at MW84/MW84A (MRGA)

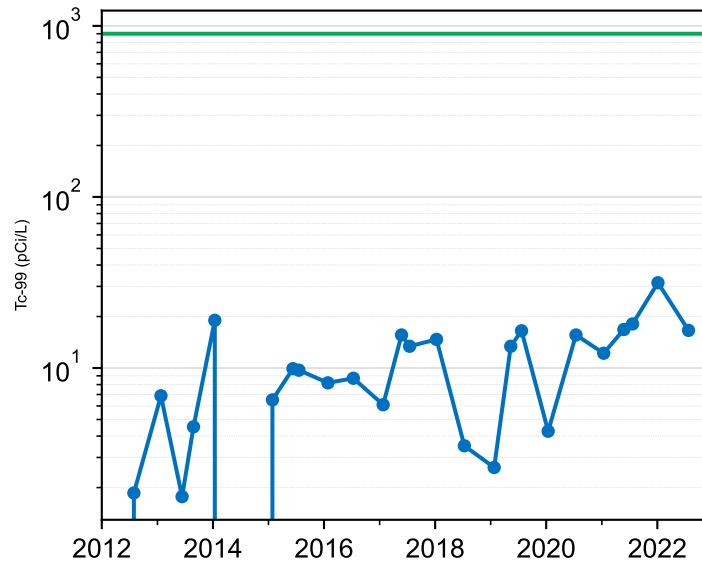
Technetium-99



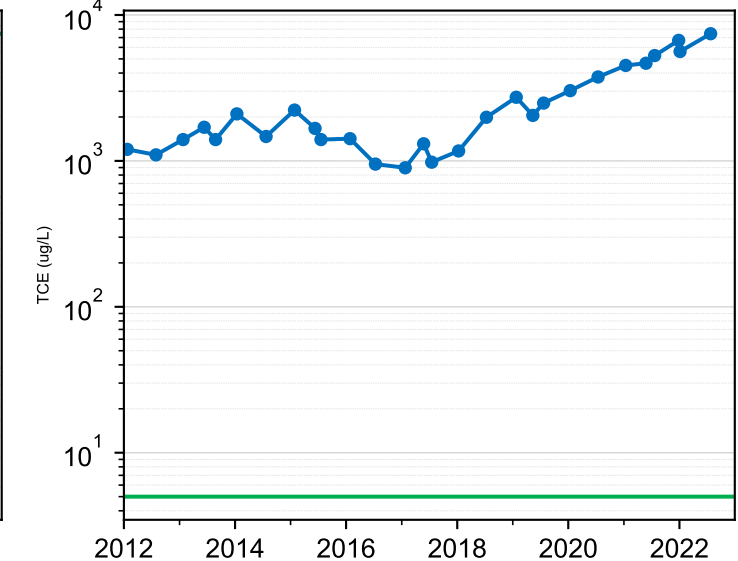
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/23/2012	-6.43 U	1200.0
07/30/2012	1.86 U	1100.0 J
01/24/2013	6.88 U	1400.0
08/12/2013	1.77 U	1700.0
08/26/2013	4.53 U	1400.0
01/13/2014	19.0	2100.0
07/24/2014	-6.8 U	1470.0
01/27/2015	6.51 U	2230.0
06/11/2015	9.91 U	1670.0
07/20/2015	9.71 U	1400.0
01/27/2016	8.19 U	1420.0
07/12/2016	8.71 U	951.0
01/24/2017	6.1 U	897.0
05/25/2017	15.6 U	1310.0
07/17/2017	13.4 U	980.0
01/10/2018	14.7 U	1170.0
07/12/2018	3.51 U	1990.0
01/24/2019	2.62 U	2730.0
05/13/2019	13.4 U	2050.0
07/23/2019	16.5 U	2490.0
01/14/2020	4.27 U	3030.0
07/15/2020	15.6 U	3760.0
01/13/2021	12.2 U	4510.0
05/26/2021	16.8 U	4670.0
07/22/2021	18.1	5270.0 J
12/27/2021		6700.0
01/05/2022	31.5	5620.0
07/25/2022	16.6 U	7440.0

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

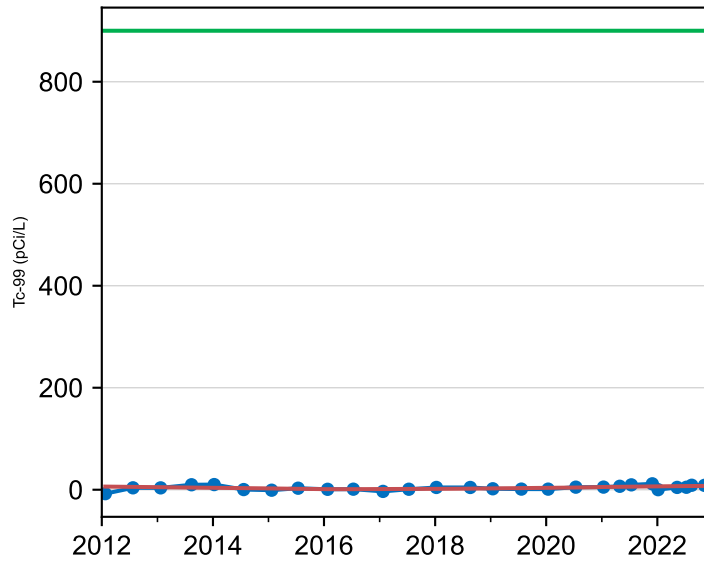
● Data
 — LOWESS
 — MCLs

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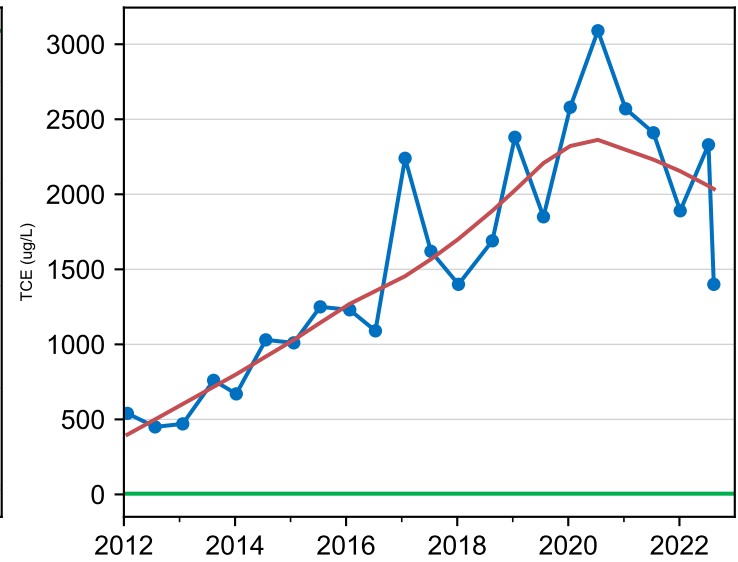
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 284. Tc-99 and TCE at MW86 (LRGA)

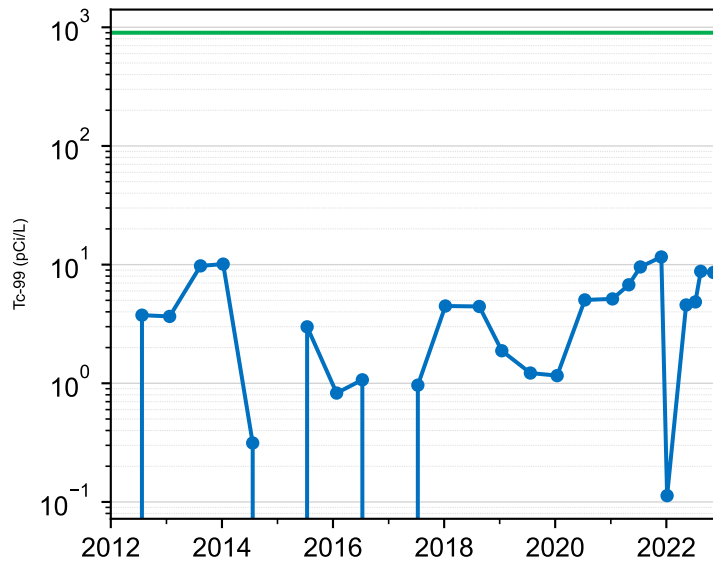
Technetium-99



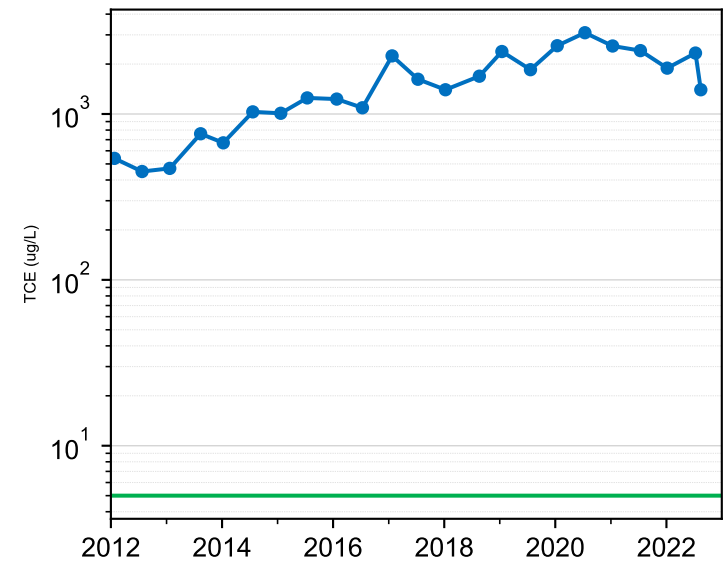
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/24/2012	-7.72 U	540.0
07/24/2012	3.75 U	450.0
01/22/2013	3.66 U	470.0
08/13/2013	9.76 U	760.0
01/09/2014	10.1 U	670.0
07/22/2014	0.314 U	1030.0
01/22/2015	-0.928 U	1010.0
07/15/2015	2.99 U	1250.0
01/25/2016	0.827 U	1230.0
07/12/2016	1.07 U	1090.0
01/23/2017	-3.27 U	2240.0
07/12/2017	0.964 U	1620.0
01/09/2018	4.48 U	1400.0
08/20/2018	4.44 U	1690.0
01/15/2019	1.88 U	2380.0
07/22/2019	1.22 U	1850.0
01/14/2020	1.16 U	2580.0
07/14/2020	5.04 U	3090.0
01/12/2021	5.14 U	2570.0
04/29/2021	6.76 U	
07/14/2021	9.56 U	2410.0 J
11/29/2021	11.6 U	
01/06/2022	0.113 U	1890.0
05/11/2022	4.57 U	
07/11/2022	4.85 U	2330.0
08/15/2022	8.78 U	1400.0
11/07/2022	8.59 U	

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

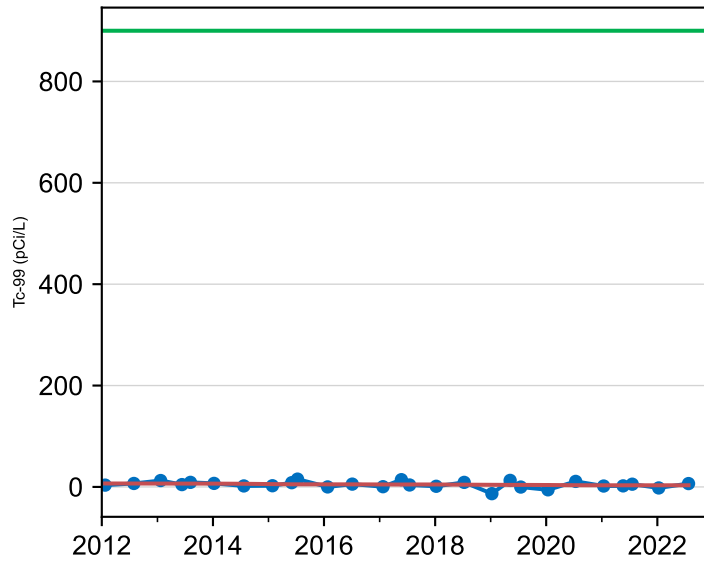
● Data
 — LOWESS
 — MCLs

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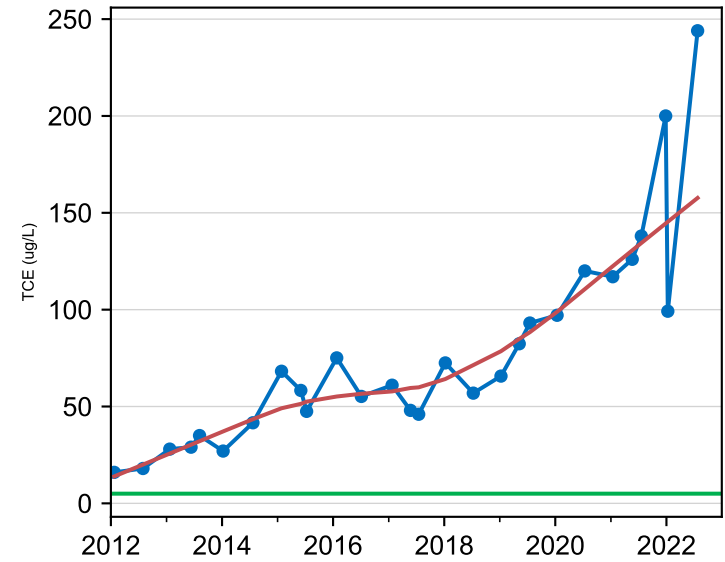
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 285. Tc-99 and TCE at MW87/MW87A (RGA)

Technetium-99

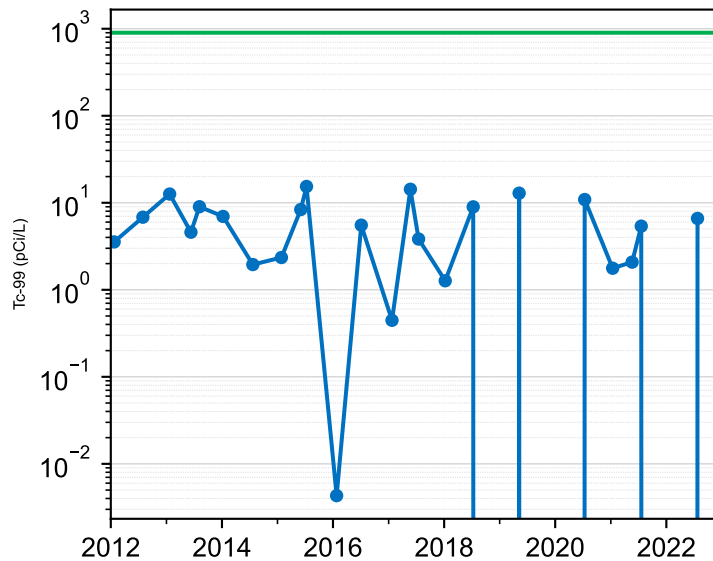


Trichloroethene

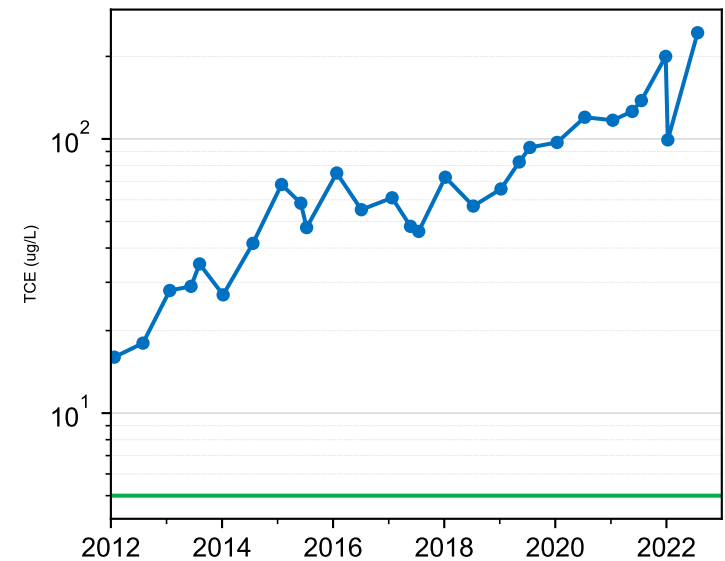


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/23/2012	3.55 U	16.0
07/30/2012	6.83 U	18.0 J
01/22/2013	12.6 U	28.0
06/11/2013	4.59 U	29.0
08/06/2013	9.01 U	35.0
01/08/2014	6.97 U	27.0
07/23/2014	1.95 U	41.6
01/27/2015	2.35 U	68.2
06/03/2015	8.36 U	58.3
07/11/2015	15.4 U	47.5
01/25/2016	0.00431 U	75.1
07/05/2016	5.53 U	55.2
01/23/2017	0.446 U	61.0
05/24/2017	14.3 U	48.0
07/17/2017	3.83 U	46.0
01/08/2018	1.27 U	72.5
07/11/2018	8.98 U	56.9
01/09/2019	-13.3 U	65.7
05/09/2019	12.9 U	82.4
07/18/2019	-0.26 U	93.1
01/13/2020	-5.7 U	97.1
07/13/2020	10.9 U	120.0
01/13/2021	1.77 U	117.0
05/21/2021	2.08 U	126.0 J
07/20/2021	5.39 U	138.0
12/27/2021		200.0
01/10/2022	-2.0 U	99.2
07/25/2022	6.61 U	244.0

Technetium-99



Trichloroethene



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

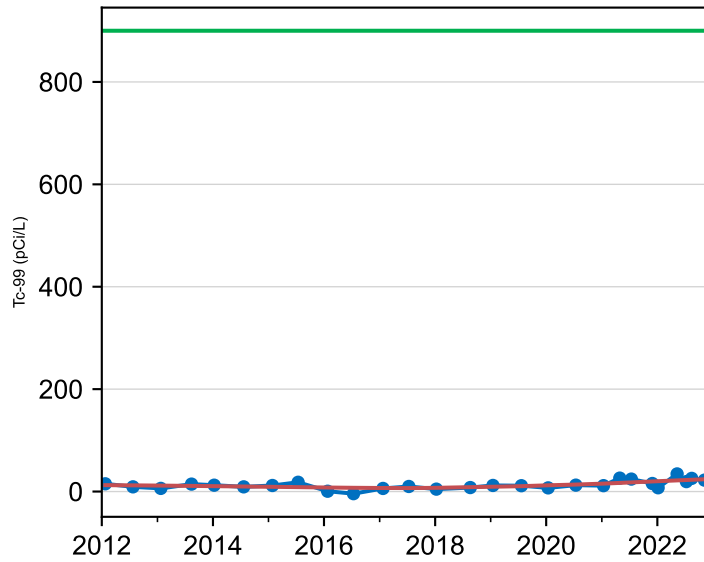
● Data
— LOWESS
— MCLs

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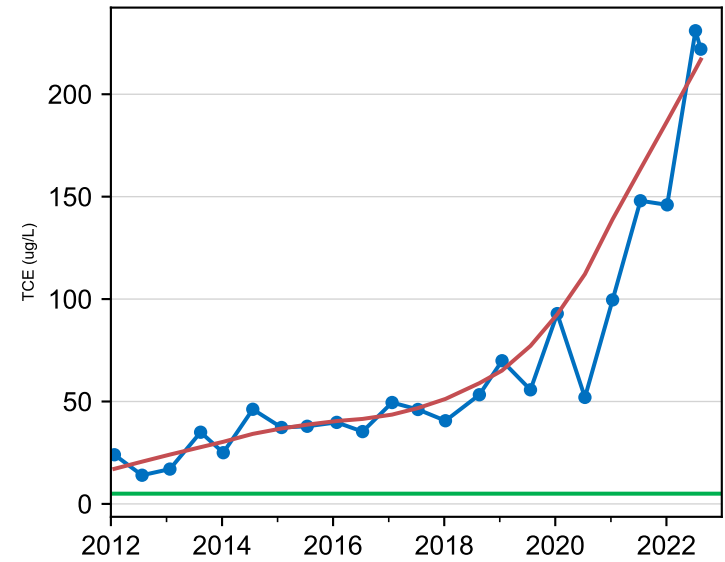
FOUR RIVERS
NUCLEAR PARTNERSHIP, LLC

Figure 286. Tc-99 and TCE at MW89 (LRGA)

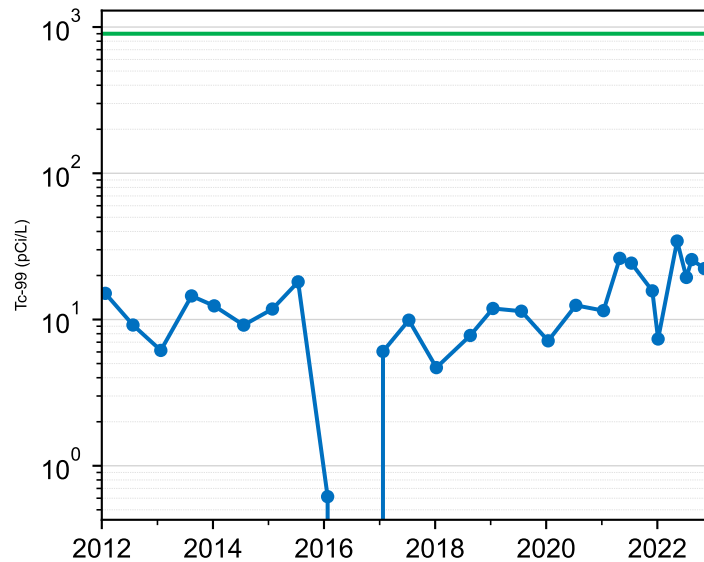
Technetium-99



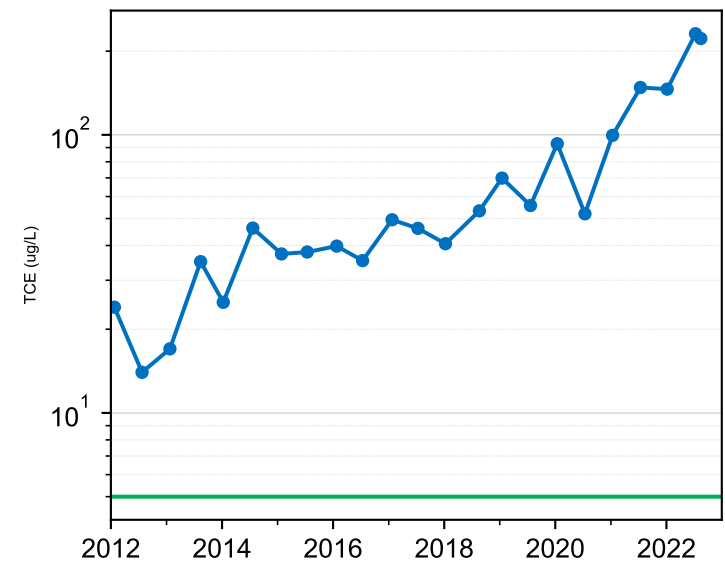
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/24/2012	15.1 U	24.0
07/24/2012	9.17 U	14.0
01/23/2013	6.15 U	17.0
08/13/2013	14.5 U	35.0
01/09/2014	12.4 U	25.0
07/22/2014	9.16 U	46.2
01/27/2015	11.8 U	37.3
07/15/2015	18.1 U	37.9
01/25/2016	0.615 U	39.8
07/13/2016	-4.16 U	35.3
01/23/2017	6.05 U	49.5
07/12/2017	9.9 U	46.1
01/09/2018	4.69 U	40.6
08/20/2018	7.78 U	53.3
01/16/2019	11.9 U	69.9
07/22/2019	11.4 U	55.7
01/14/2020	7.15 U	92.9
07/14/2020	12.5 U	52.0
01/12/2021	11.5 U	99.6
04/29/2021	26.2	
07/14/2021	24.3	148.0 J
11/29/2021	15.7 U	
01/06/2022	7.36 U	146.0
05/11/2022	34.4	
07/11/2022	19.4 U	231.0
08/15/2022	25.7	222.0
11/07/2022	22.3	

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

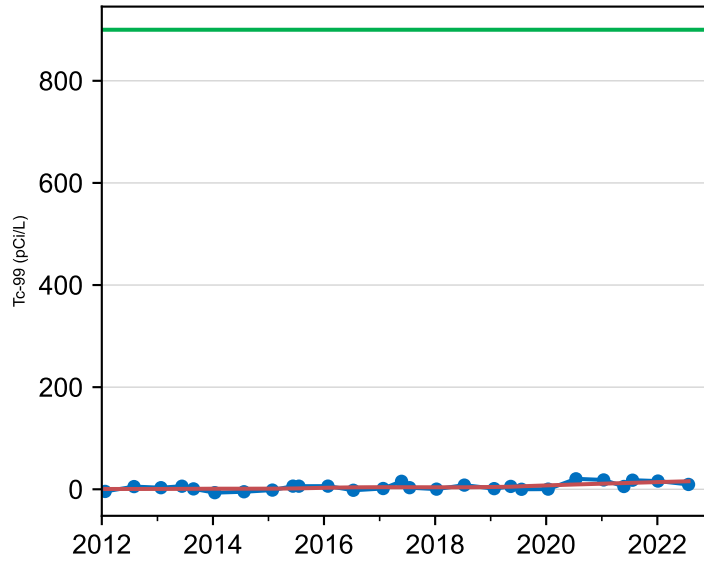
● Data
 — LOWESS
 — MCLs

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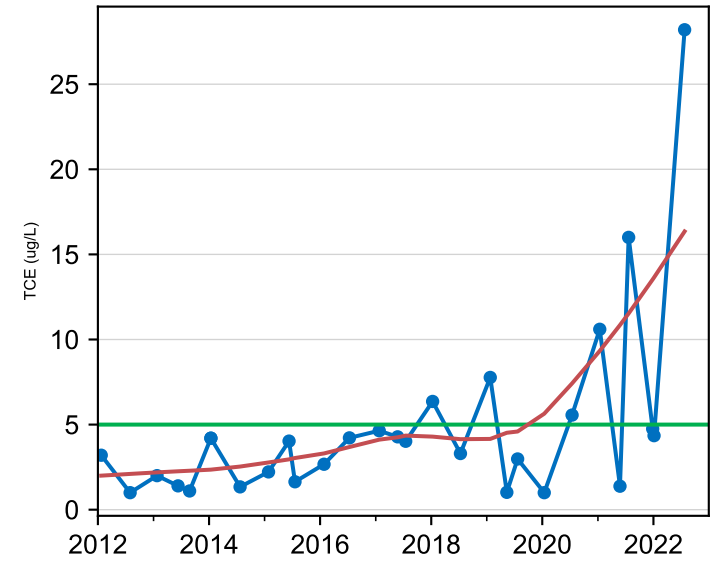
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 287. Tc-99 and TCE at MW90A (URGA)

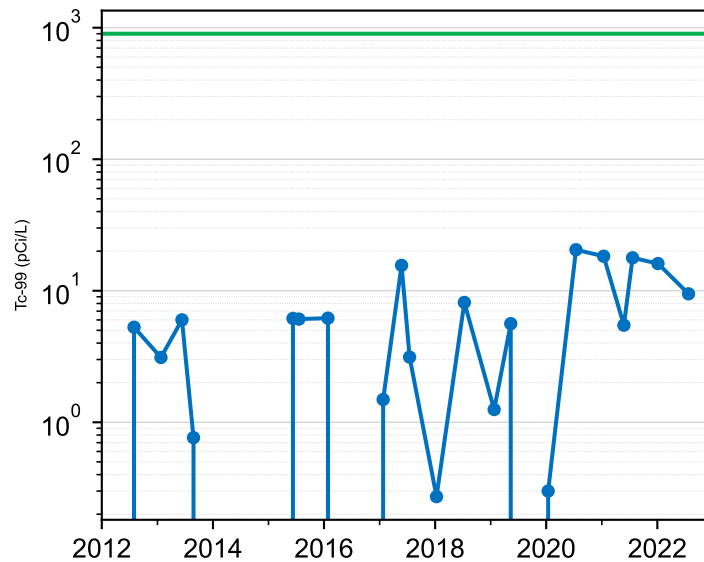
Technetium-99



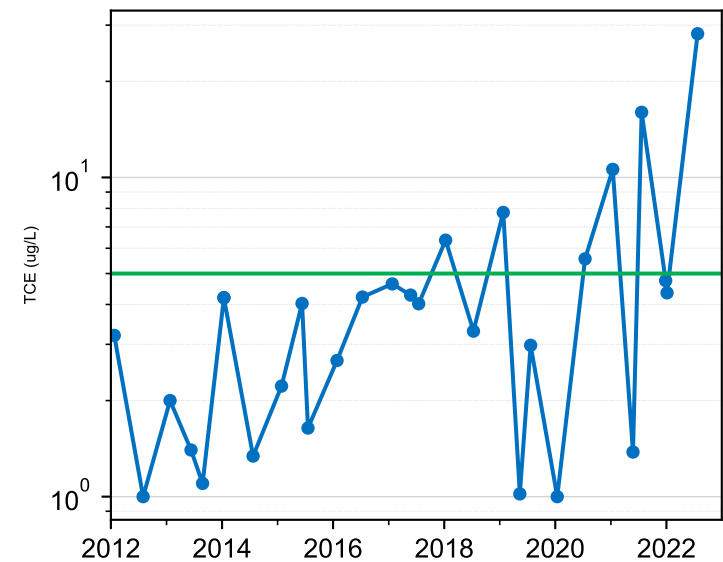
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/23/2012	-4.21 U	3.2
07/31/2012	5.28 U	1.0 U
01/24/2013	3.11 U	2.0
06/11/2013	6.01 U	1.4
09/26/2013	0.764 U	1.1
01/13/2014	-6.63 U	4.2
07/24/2014	-4.86 U	1.34
01/27/2015	-1.59 U	2.22
06/11/2015	6.16 U	4.03
07/20/2015	6.09 U	1.64
01/27/2016	6.19 U	2.67
07/12/2016	-1.94 U	4.22
01/24/2017	1.49 U	4.64
05/25/2017	15.6 U	4.28
07/17/2017	3.13 U	4.02
01/10/2018	0.272 U	6.36
07/12/2018	8.15 U	3.3
01/24/2019	1.25 U	7.77
05/13/2019	5.62 U	1.02
07/23/2019	-0.00554 U	2.98
01/14/2020	0.3 U	1.0 U
07/15/2020	20.5	5.56
01/13/2021	18.3 U	10.6
05/26/2021	5.47 U	1.38
07/22/2021	17.8	16.0 J
12/27/2021		4.75
01/05/2022	16.1 U	4.35
07/25/2022	9.48 U	28.2 J

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

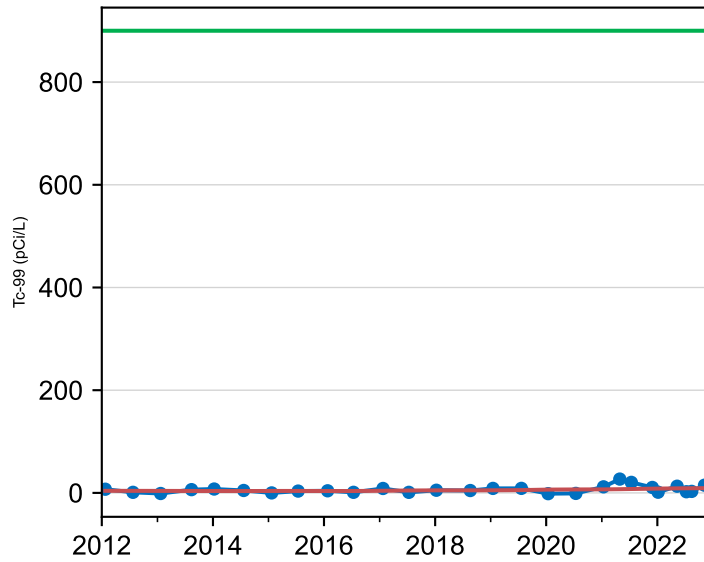
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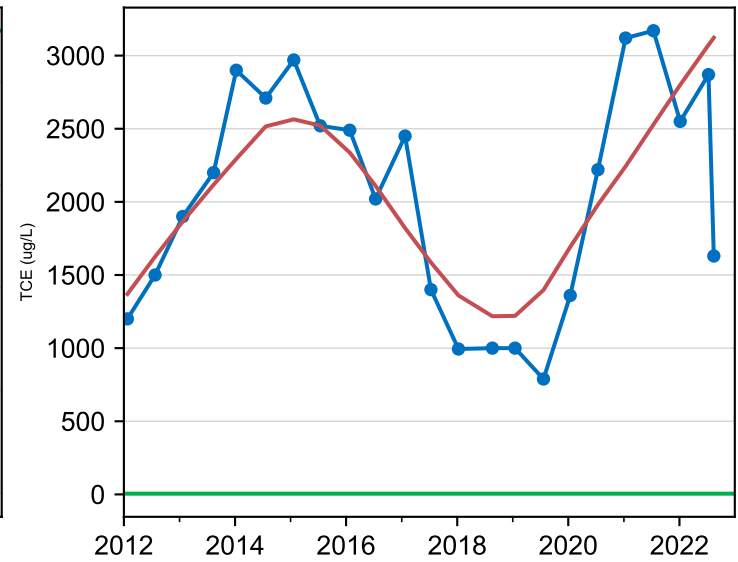
Figure 288. Tc-99 and TCE at MW92 (LRGA)

Source: Trend_Plots_V1.ipynb

Technetium-99

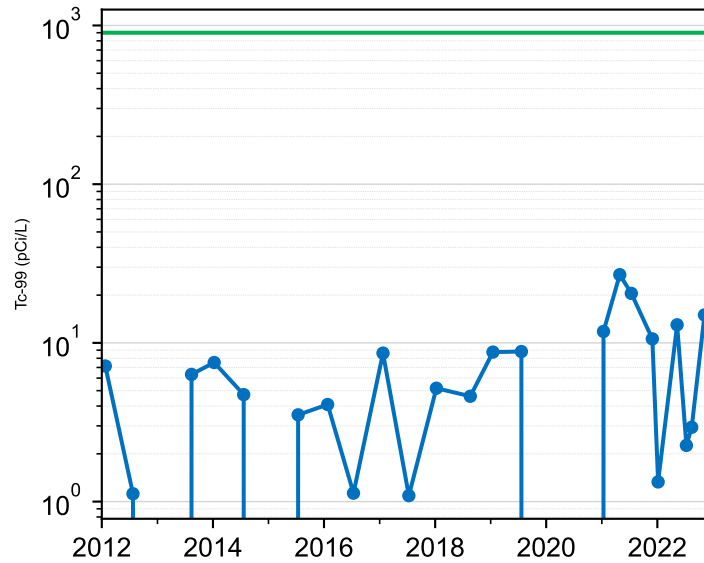


Trichloroethene

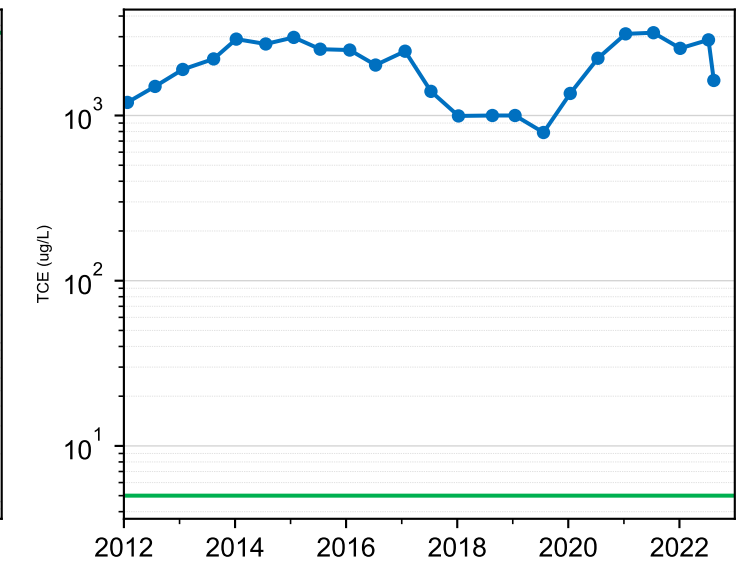


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/24/2012	7.15 U	1200.0 J
07/24/2012	1.12 U	1500.0
01/22/2013	-1.17 U	1900.0
08/13/2013	6.33 U	2200.0
01/09/2014	7.52 U	2900.0
07/22/2014	4.72 U	2710.0
01/22/2015	-0.0161 U	2970.0
07/15/2015	3.52 U	2520.0
01/25/2016	4.09 U	2490.0
07/13/2016	1.13 U	2020.0
01/23/2017	8.62 U	2450.0
07/12/2017	1.09 U	1400.0
01/09/2018	5.18 U	994.0
08/20/2018	4.61 U	1000.0
01/16/2019	8.75 U	1000.0
07/22/2019	8.82 U	789.0
01/14/2020	-1.5 U	1360.0
07/14/2020	-0.977 U	2220.0
01/12/2021	11.8 U	3120.0
04/29/2021	26.9	
07/14/2021	20.5	3170.0 J
11/29/2021	10.6 U	
01/06/2022	1.33 U	2550.0
05/11/2022	13.0 U	
07/11/2022	2.26 U	2870.0
08/15/2022	2.94 U	1630.0
11/07/2022	15.0 U	

Technetium-99



Trichloroethene



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

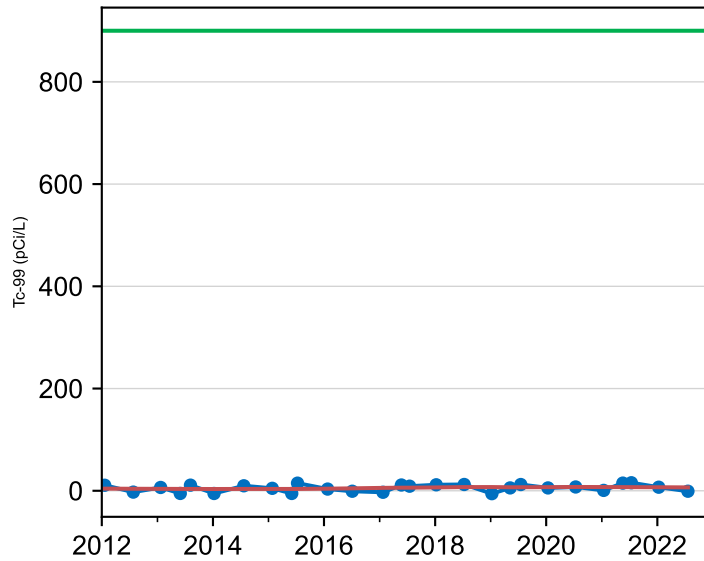
● Data
— LOWESS
— MCLs

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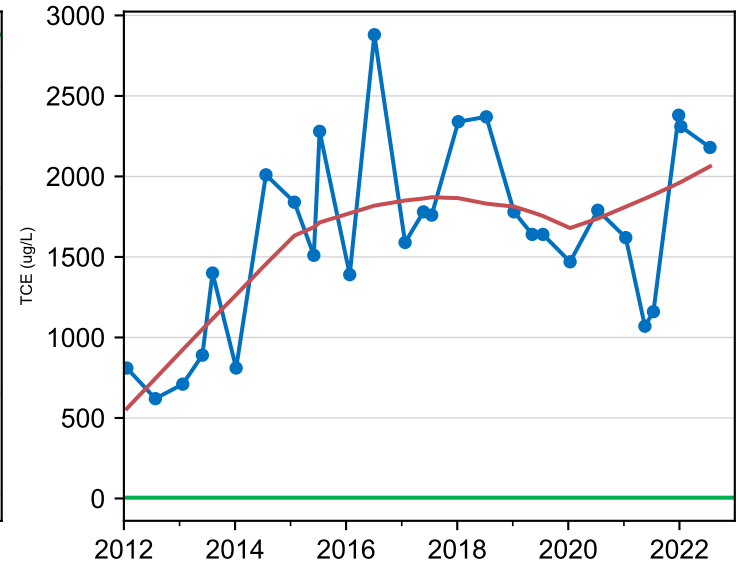
FOUR RIVERS
NUCLEAR PARTNERSHIP, LLC

Figure 289. Tc-99 and TCE at MW93/MW93A (RGA)

Technetium-99

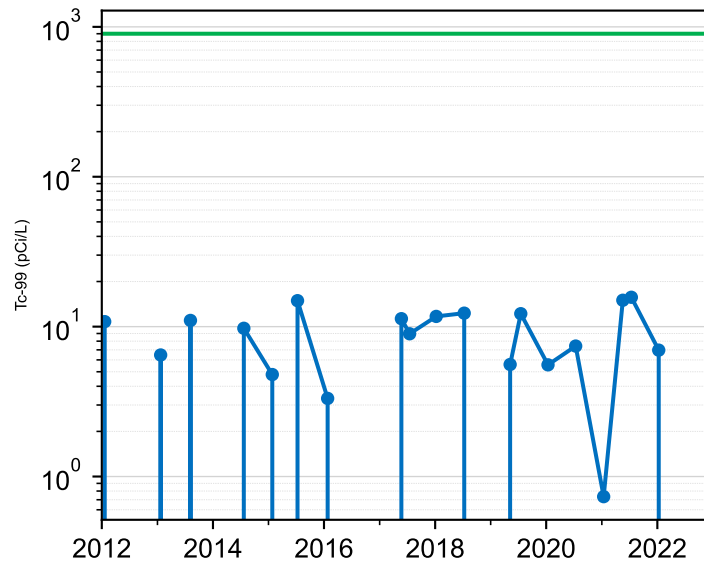


Trichloroethene

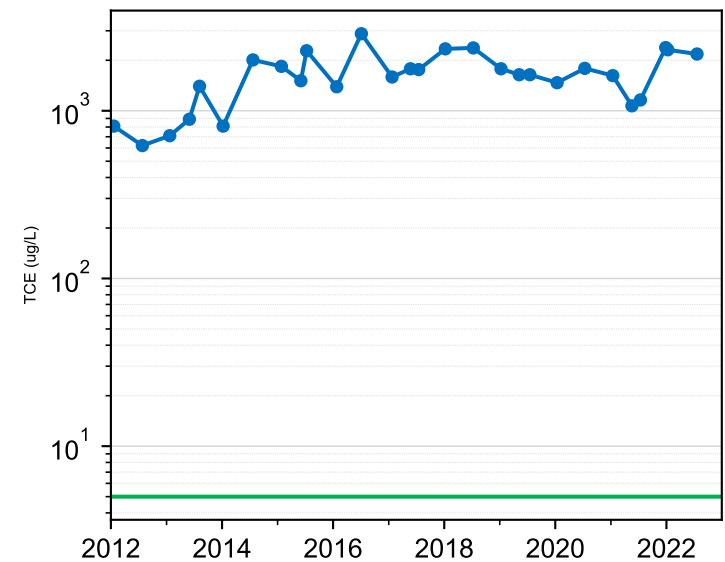


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/20/2012	10.8 U	810.0
07/26/2012	-2.63 U	620.0
01/22/2013	6.47 U	710.0
05/31/2013	-5.22 U	890.0 J
08/06/2013	11.0 U	1400.0
01/08/2014	-5.32 U	810.0
07/23/2014	9.75 U	2010.0
01/26/2015	4.79 U	1840.0
06/03/2015	-5.26 U	1510.0
07/11/2015	14.9 U	2280.0
01/25/2016	3.32 U	1390.0
07/05/2016	-0.913 U	2880.0
01/23/2017	-2.94 U	1590.0
05/24/2017	11.3 U	1780.0
07/17/2017	8.96 U	1760.0
01/08/2018	11.7 U	2340.0
07/11/2018	12.3 U	2370.0
01/09/2019	-5.67 U	1780.0
05/09/2019	5.59 U	1640.0
07/18/2019	12.2 U	1640.0
01/13/2020	5.56 U	1470.0
07/13/2020	7.42 U	1790.0
01/13/2021	0.734 U	1620.0
05/19/2021	15.0 U	1070.0 J
07/14/2021	15.7 U	1160.0
12/27/2021		2380.0
01/10/2022	6.97 U	2310.0
07/21/2022	-0.876 U	2180.0

Technetium-99



Trichloroethene



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

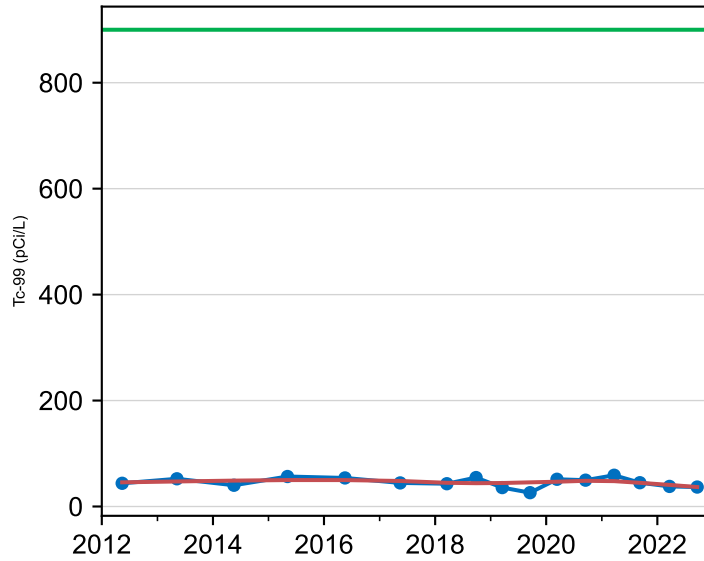
U.S. DEPARTMENT OF ENERGY

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PADUCAH GASEOUS DIFFUSION PLANT

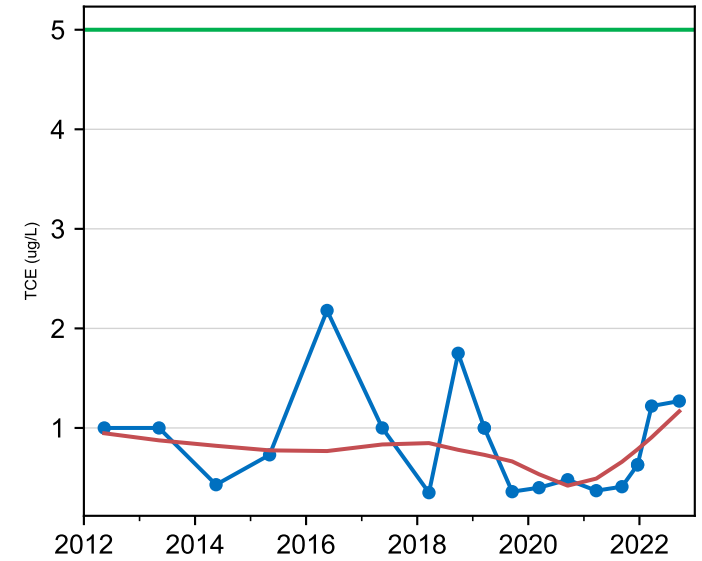
FOUR RIVERS
NUCLEAR PARTNERSHIP, LLC

Figure 290. Tc-99 and TCE at MW95A (LRGA)

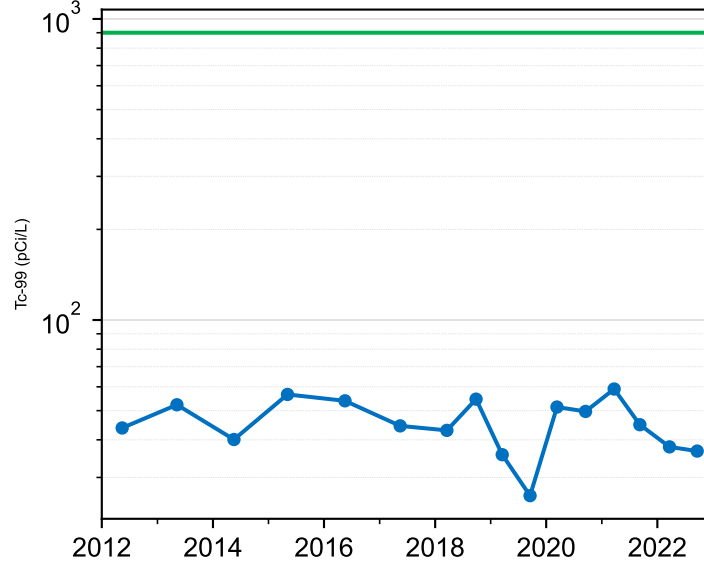
Technetium-99



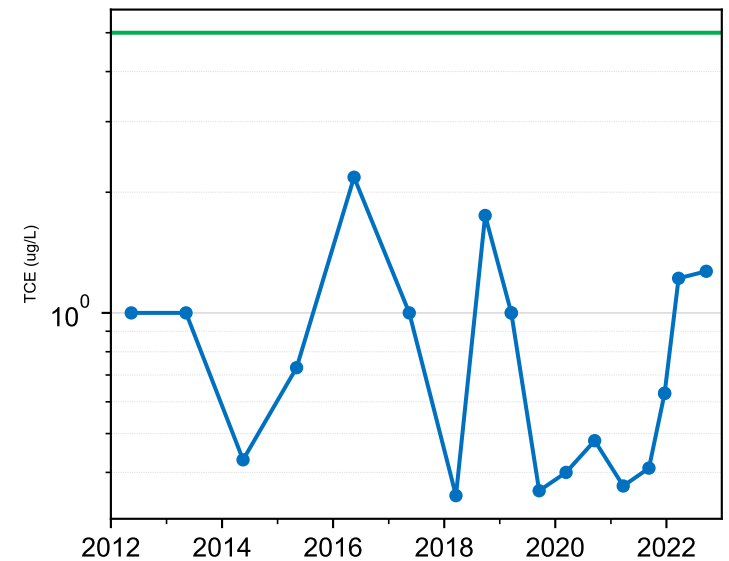
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/14/2012	43.8	1.0 U
05/09/2013	52.3	1.0 U
05/19/2014	40.1	0.43 J
05/06/2015	56.6	0.73 J
05/18/2016	53.9	2.18
05/16/2017	44.5	1.0 U
03/19/2018	43.0	0.35 J
09/27/2018	54.6	1.75
03/18/2019	35.7	1.0 U
09/17/2019	26.1	0.36 J
03/12/2020	51.4	0.4 J
09/18/2020	49.7	0.48 J
03/23/2021	59.0	0.37 J
09/08/2021	44.9	0.41 J
12/20/2021		0.63 J
03/22/2022	37.9	1.22
09/20/2022	36.7	1.27

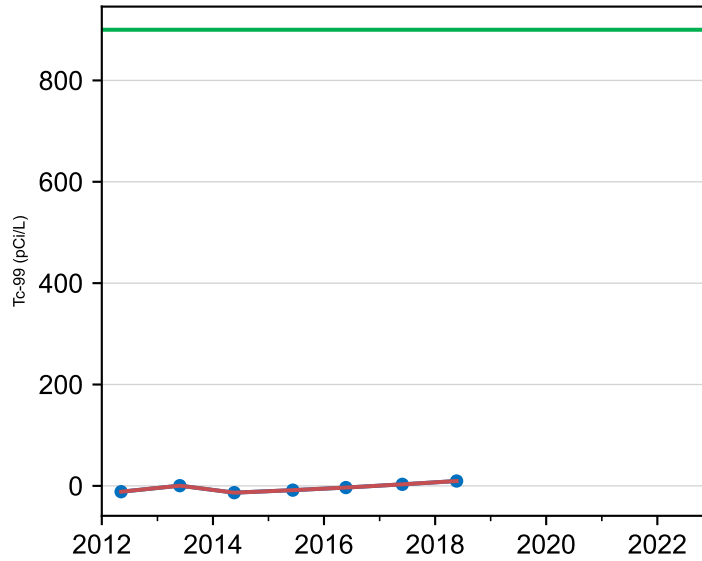
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. JJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

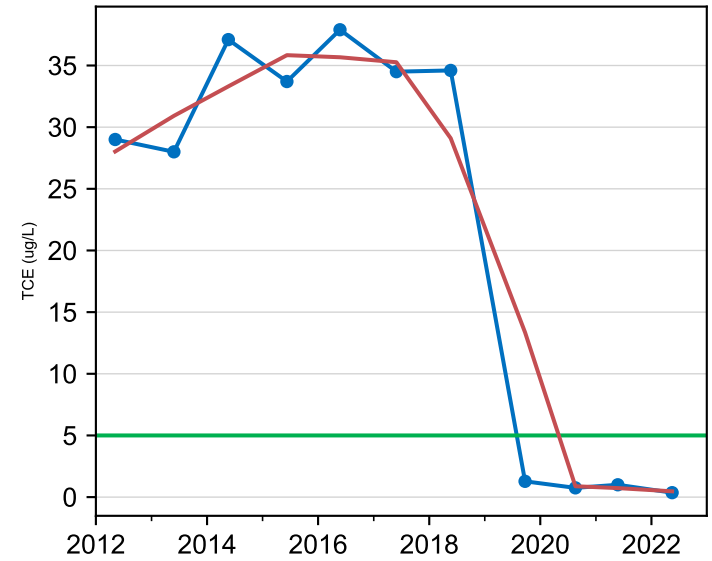
U.S. DEPARTMENT OF ENERGY
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 PADUCAH GASEOUS DIFFUSION PLANT


Figure 291. Tc-99 and TCE at MW98 (MRGA)

Technetium-99

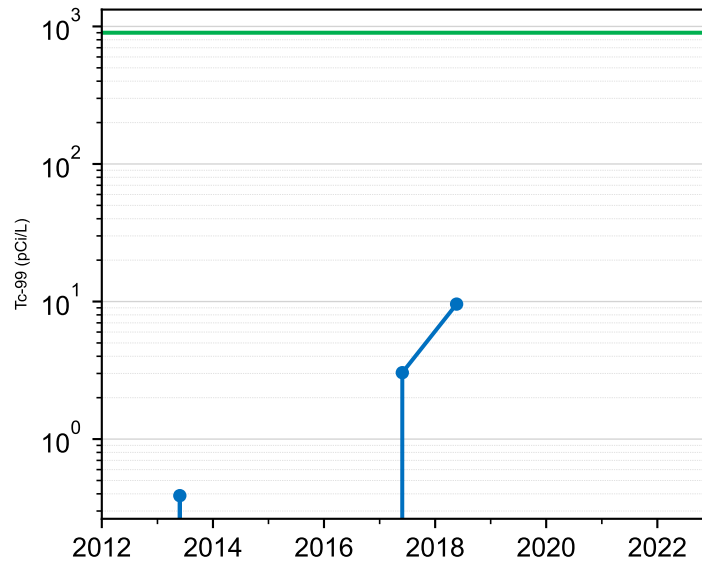


Trichloroethene

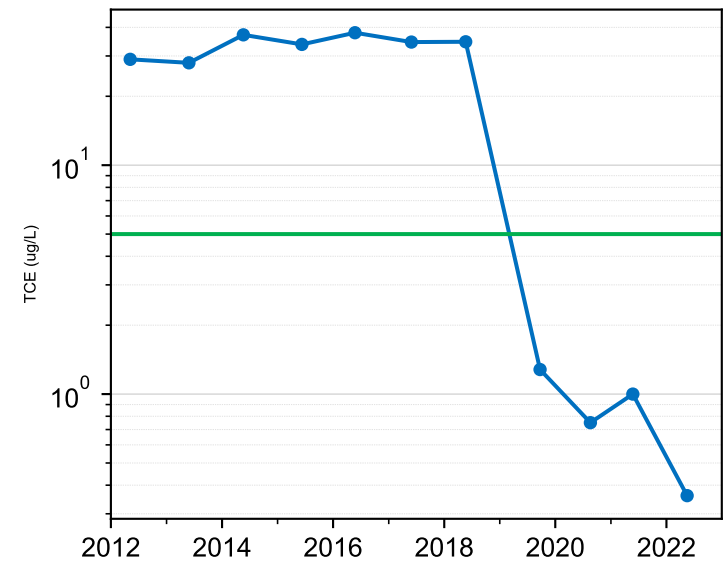


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
05/07/2012	-11.5 U	29.0
05/28/2013	0.388 U	28.0
05/21/2014	-13.4 U	37.1
06/10/2015	-8.44 U	33.7
05/24/2016	-3.32 U	37.9
05/30/2017	3.04 U	34.5
05/22/2018	9.58 U	34.6
09/23/2019		1.28
08/19/2020		0.75 J
05/25/2021		1.0 U
05/17/2022		0.36 J

Technetium-99



Trichloroethene



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

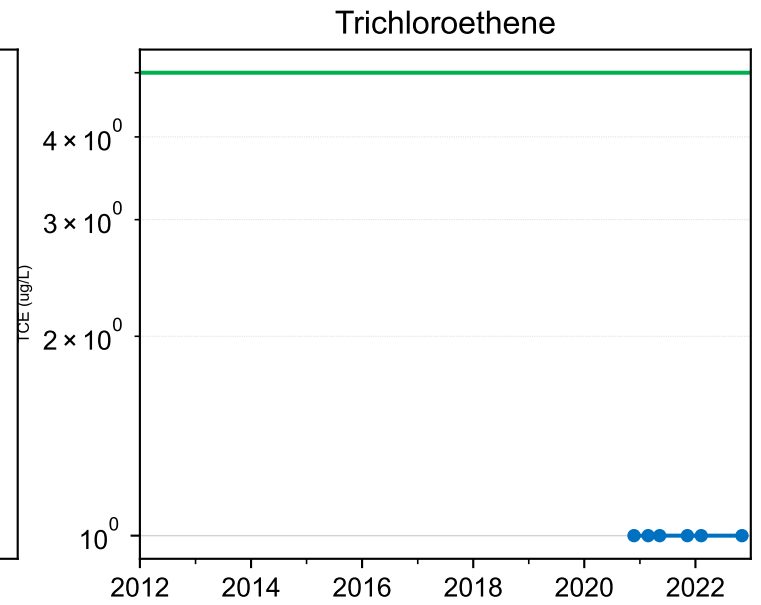
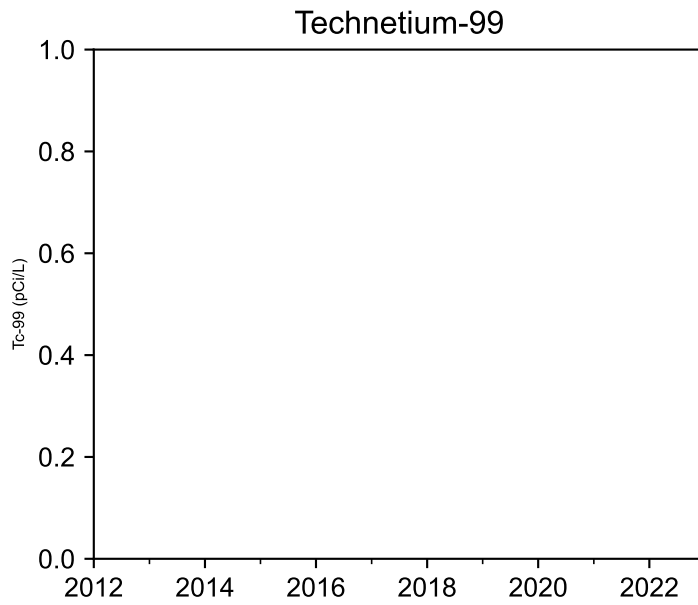
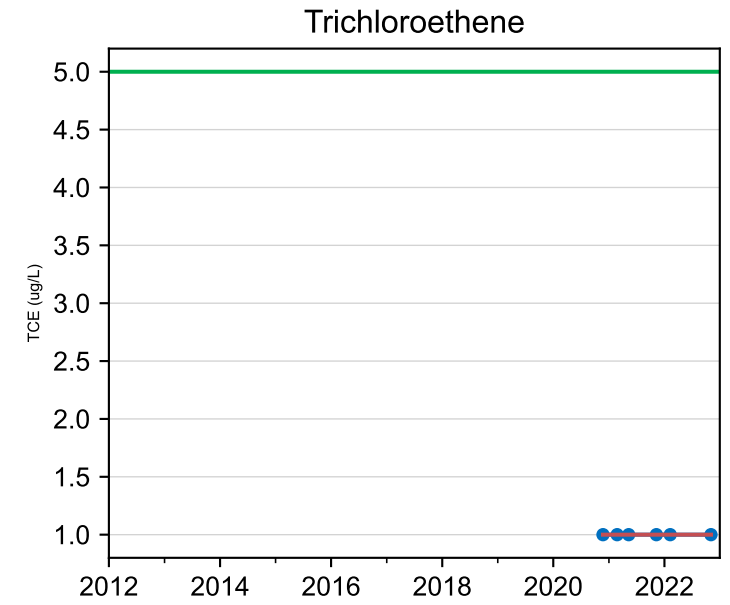
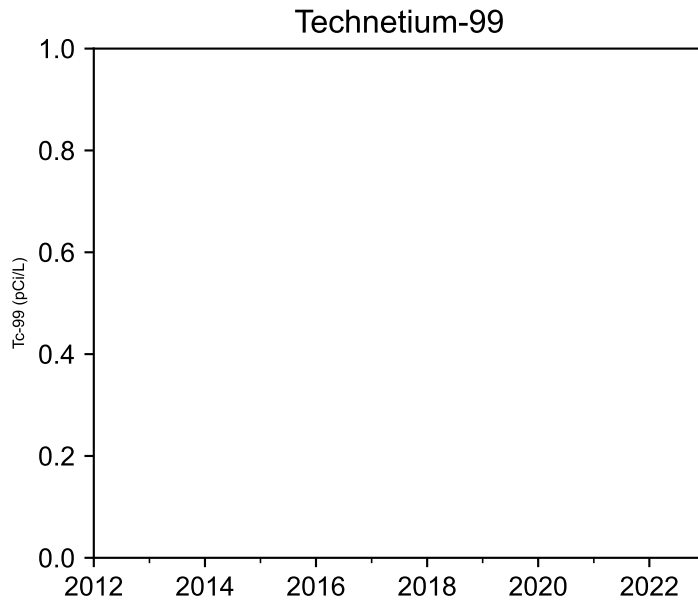
● Data
 — LOWESS
 — MCLs

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Figure 292. Tc-99 and TCE at MW99 (MRGA)

Sample Date	Trichloroethene (ug/L)
11/23/2020	1.0 U
02/24/2021	1.0 U
05/11/2021	1.0 U
11/09/2021	1.0 U
02/08/2022	1.0 U
11/03/2022	1.0 U



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

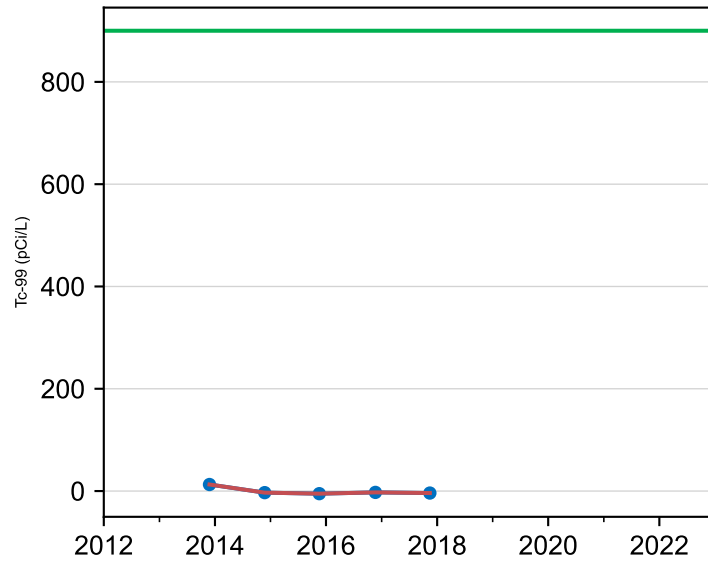
● Data — LOWESS
— MCLs

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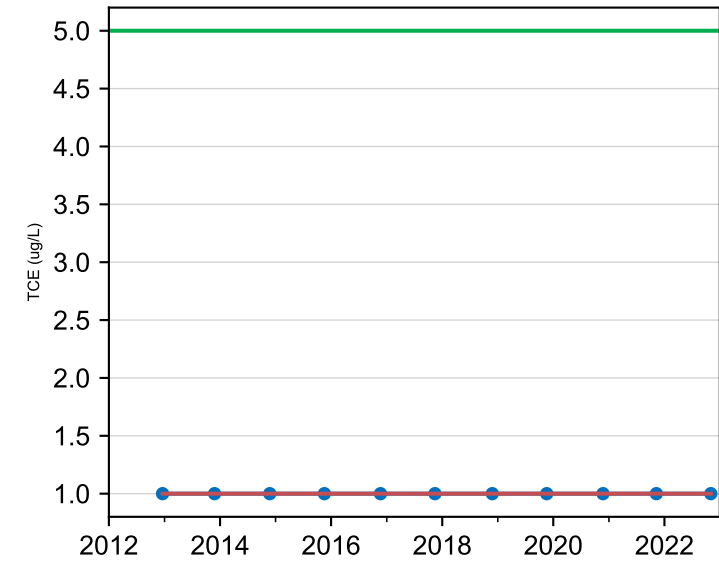


Figure 293. Tc-99 and TCE at R10 (Unknown)

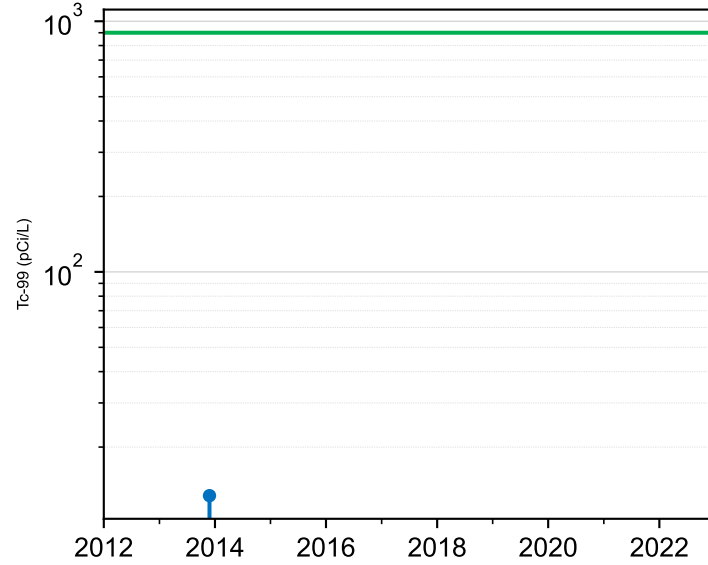
Technetium-99



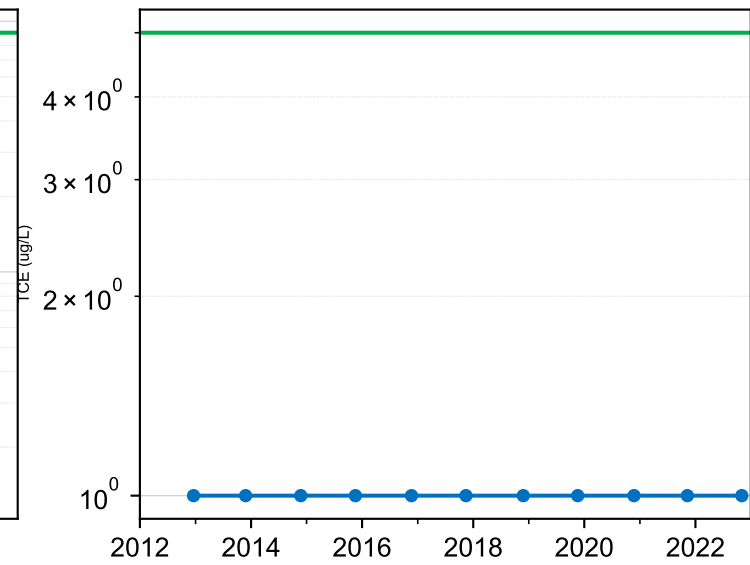
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/19/2012		1.0 U
11/26/2013	12.8 U	1.0 U
11/24/2014	-3.1 U	1.0 U
11/18/2015	-5.11 U	1.0 U
11/21/2016	-2.62 U	1.0 U
11/14/2017	-3.9 U	1.0 U
11/26/2018		1.0 U
11/19/2019		1.0 U
11/23/2020		1.0 U
11/09/2021		1.0 U
11/02/2022		1.0 U

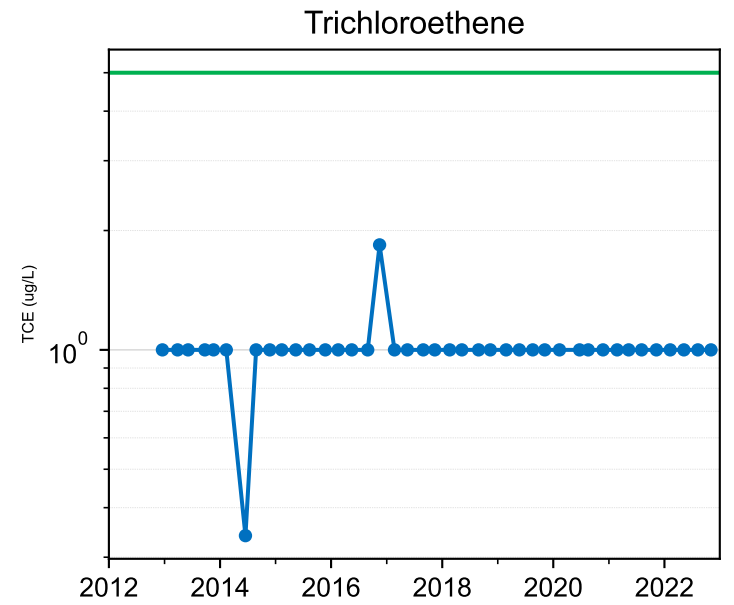
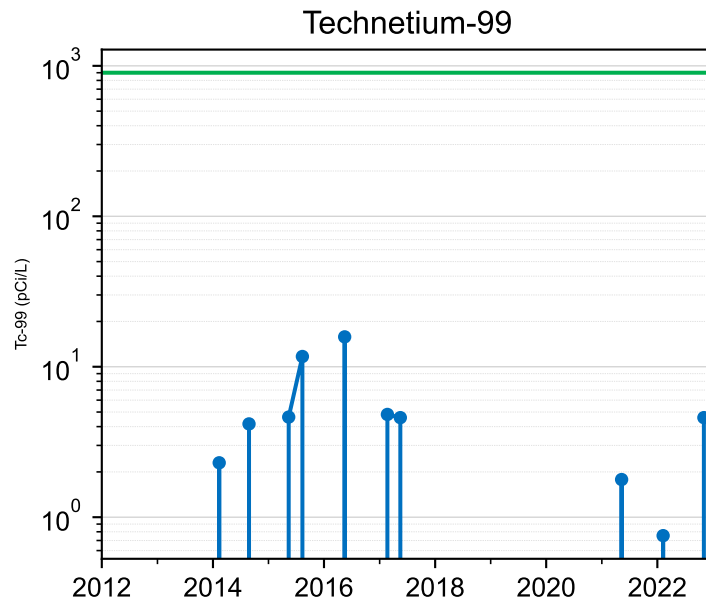
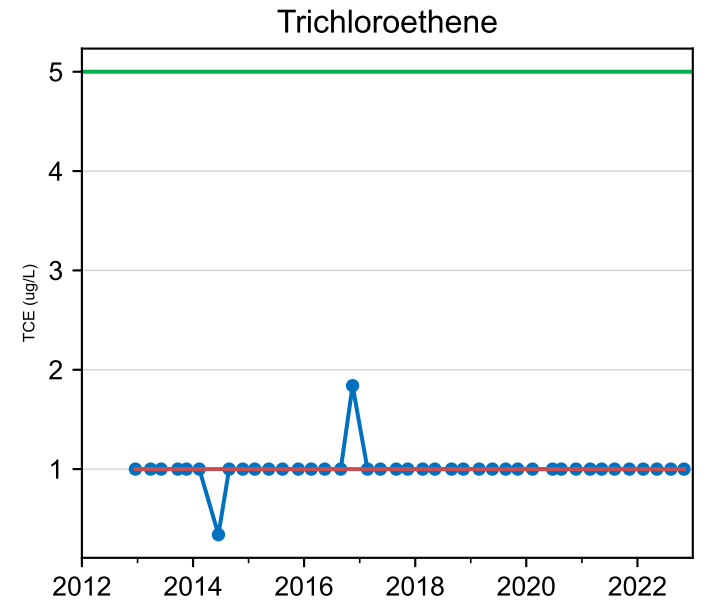
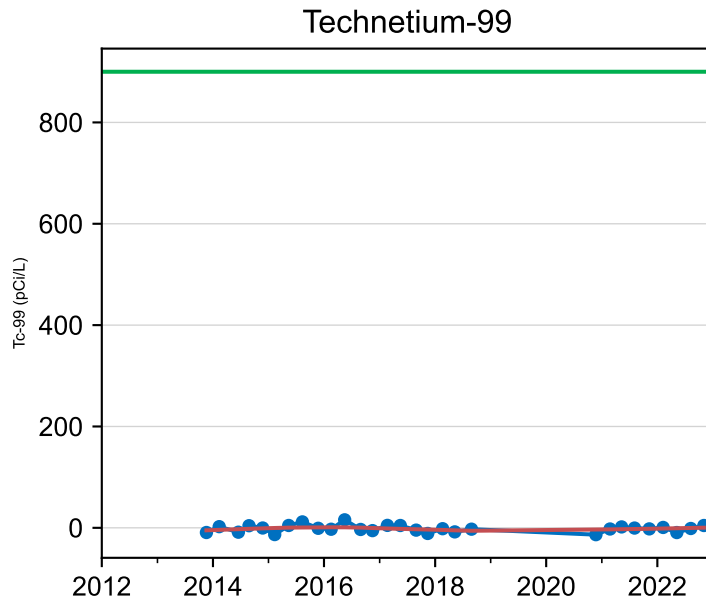
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 294. Tc-99 and TCE at R114 (Unknown)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/18/2012		1.0 U
03/28/2013		1.0 U
08/05/2013		1.0 U
09/23/2013		1.0 U
11/19/2013	-9.22 U	1.0 U
02/11/2014	2.3 U	1.0
06/17/2014	-8.61 U	0.34 J
08/26/2014	4.17 U	1.0 U
11/24/2014	-0.338 U	1.0 U
02/11/2015	-13.3 U	1.0 U
05/14/2015	4.63 U	1.0 U
08/12/2015	11.7 U	1.0 U
11/24/2015	-0.918 U	1.0 U
02/17/2016	-2.78 U	1.0 U
05/16/2016	15.8 U	1.0 U
08/29/2016	-3.23 U	1.0 U
11/15/2016	-5.51 U	1.84
02/21/2017	4.82 U	1.0 U
05/17/2017	4.59 U	1.0 U
08/29/2017	-4.54 U	1.0 U
11/13/2017	-11.1 U	1.0 U
02/19/2018	-1.73 U	1.0 U
05/10/2018	-8.0 U	1.0 U
08/28/2018	-2.67 U	1.0 U
11/13/2018		1.0 U
02/25/2019		1.0 U
05/23/2019		1.0 U
08/19/2019		1.0 U
11/06/2019		1.0 U
02/11/2020		1.0 U
06/22/2020		1.0 U
08/18/2020		1.0 U
11/23/2020	-13.5 U	1.0 U
02/24/2021	-2.32 U	1.0 U
05/11/2021	1.78 U	1.0 U
08/04/2021	-0.454 U	1.0 U
11/09/2021	-2.09 U	1.0 U
02/08/2022	0.754 U	1.0 U
05/09/2022	-9.31 U	1.0 U
08/09/2022	-1.32 U	1.0 U
11/03/2022	4.59 U	1.0 U



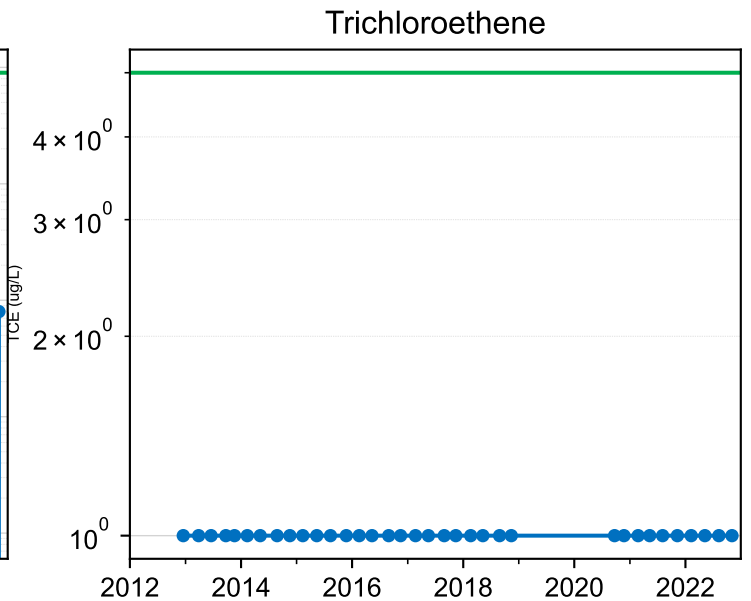
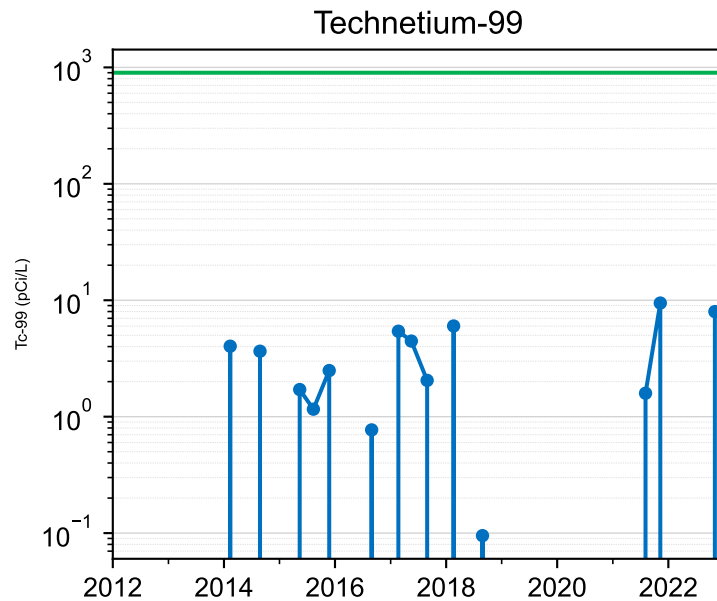
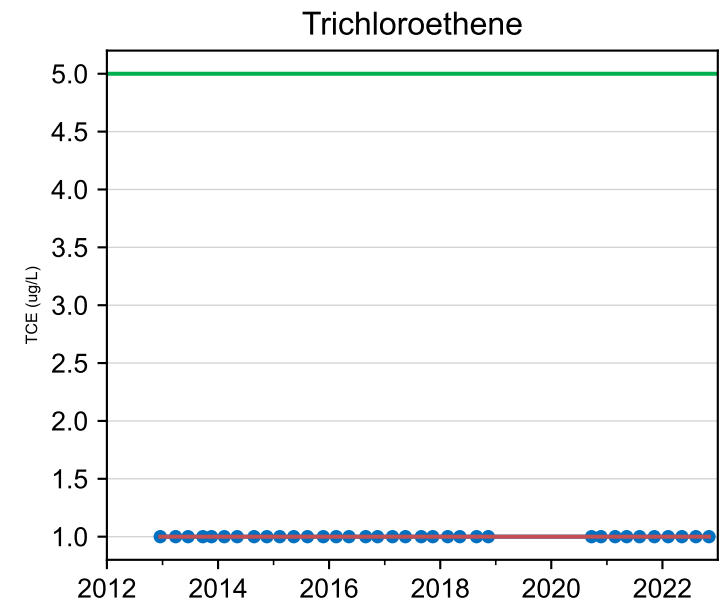
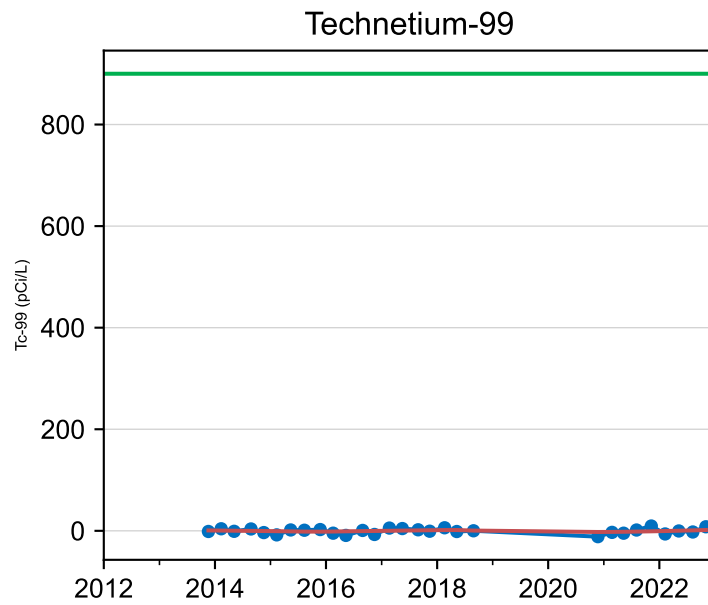
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 295. Tc-99 and TCE at R13 (Unknown)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/17/2012		1.0 U
03/28/2013		1.0 U
06/18/2013		1.0 U
09/23/2013		1.0 U
11/19/2013	-1.27 U	1.0 U
02/11/2014	4.03 U	1.0 U
05/07/2014	-0.956 U	1.0 U
08/26/2014	3.65 U	1.0 U
11/18/2014	-3.45 U	1.0 U
02/11/2015	-7.97 U	1.0 U
05/14/2015	1.71 U	1.0 U
08/12/2015	1.16 U	1.0 U
11/24/2015	2.49 U	1.0 U
02/17/2016	-4.63 U	1.0 U
05/11/2016	-9.01 U	1.0 U
08/29/2016	0.77 U	1.0 U
11/15/2016	-7.16 U	1.0 U
02/21/2017	5.42 U	1.0 U
05/17/2017	4.46 U	1.0 U
08/29/2017	2.05 U	1.0 U
11/13/2017	-0.754 U	1.0 U
02/19/2018	6.01 U	1.0 U
05/10/2018	-1.37 U	1.0 U
08/28/2018	0.0951 U	1.0 U
11/13/2018		1.0 U
09/22/2020		1.0 U
11/23/2020	-11.5 U	1.0 U
02/24/2021	-3.04 U	1.0 U
05/11/2021	-4.66 U	1.0 U
08/04/2021	1.59 U	1.0 U
11/09/2021	9.46 U	1.0 U
02/08/2022	-8.15 U	1.0 U
05/09/2022	-0.281 U	1.0 U
08/09/2022	-2.27 U	1.0 U
11/03/2022	7.99 U	1.0 U



- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

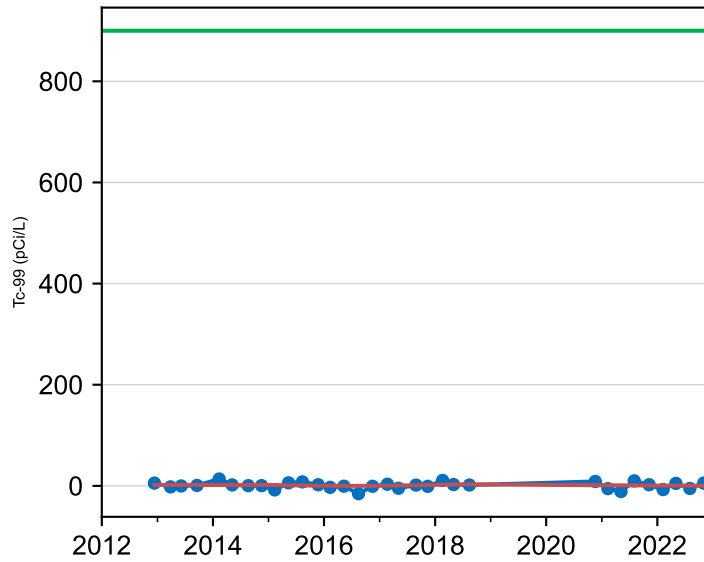
● Data
— LOWESS
— MCLs

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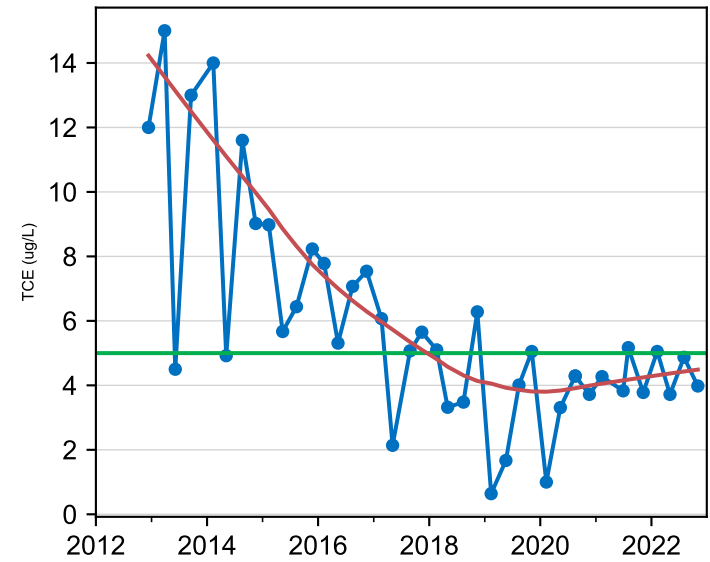
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Figure 296. Tc-99 and TCE at R14 (Unknown)

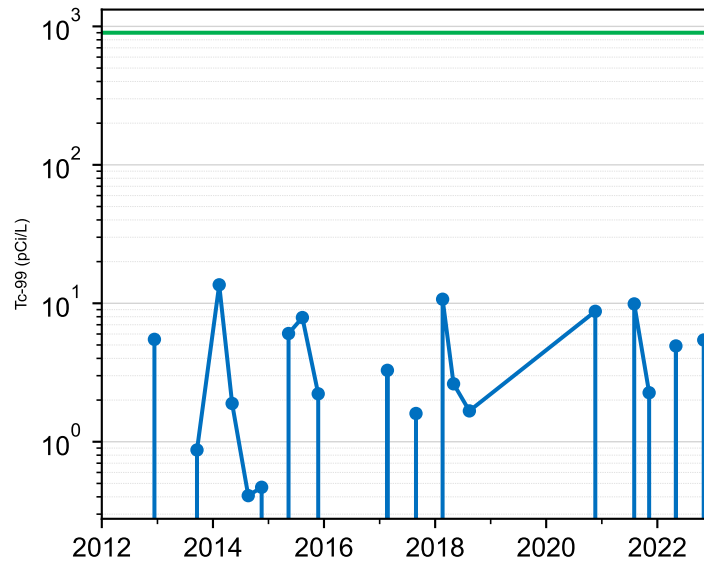
Technetium-99



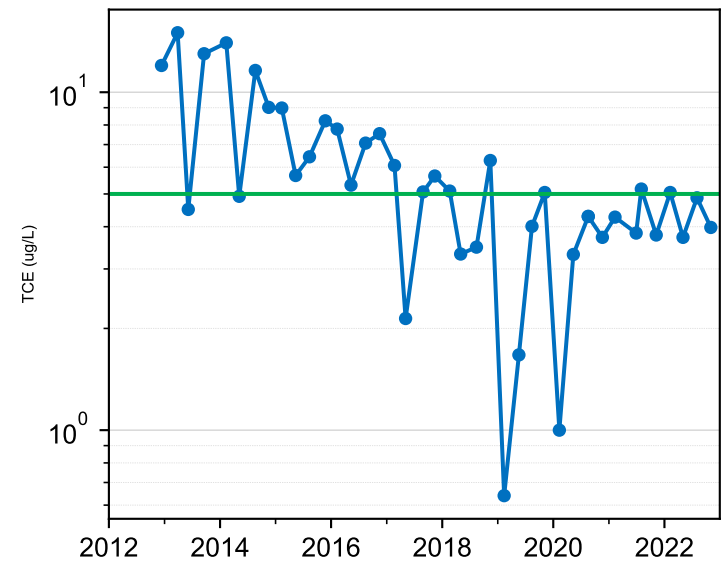
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/12/2012	5.49 U	12.0
03/28/2013	-2.0 U	15.0
08/06/2013	-0.215 U	4.5
09/18/2013	0.872 U	13.0
02/11/2014	13.6 U	14.0
05/07/2014	1.89 U	4.92
08/21/2014	0.408 U	11.6
11/17/2014	0.469 U	9.02
02/11/2015	-7.94 U	8.98
05/13/2015	6.05 U	5.67
08/12/2015	7.89 U	6.44
11/24/2015	2.22 U	8.23
02/10/2016	-2.89 U	7.78
05/11/2016	-0.639 U	5.31
08/15/2016	-15.4 U	7.07
11/15/2016	-0.781 U	7.54
02/21/2017	3.28 U	6.07
05/05/2017	-4.65 U	2.14
08/28/2017	1.6 U	5.07
11/13/2017	-0.892 U	5.65
02/19/2018	10.7 U	5.1
05/02/2018	2.62 U	3.32
08/14/2018	1.67 U	3.48
11/13/2018		6.28
02/12/2019		0.64 J
05/20/2019		1.67
08/14/2019		4.01
11/06/2019		5.05
02/10/2020		1.0 U
05/12/2020		3.31
08/18/2020		4.29
11/19/2020	8.75 U	3.72
02/10/2021	-5.35 U	4.27
05/07/2021	-11.2 U	
06/29/2021		3.83
08/02/2021	9.9 U	5.17
11/08/2021	2.26 U	3.78
02/08/2022	-7.24 U	5.05
05/03/2022	4.92 U	3.72
08/03/2022	-5.14 U	4.87
11/02/2022	5.43 U	3.98

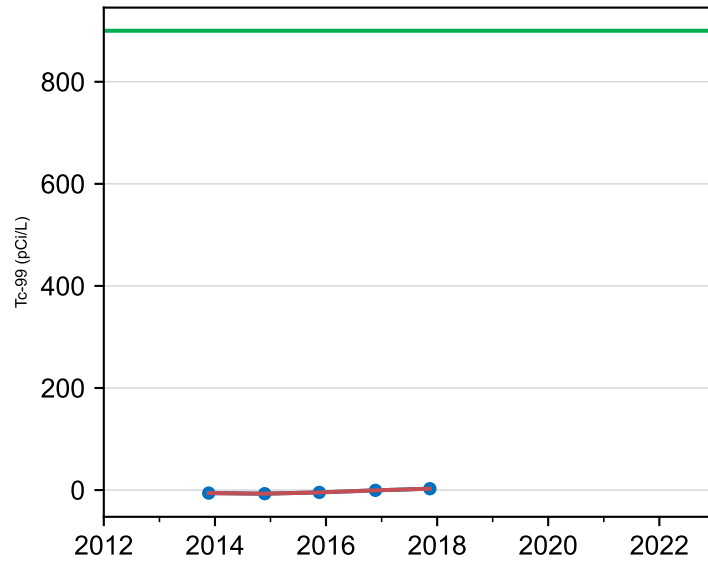
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

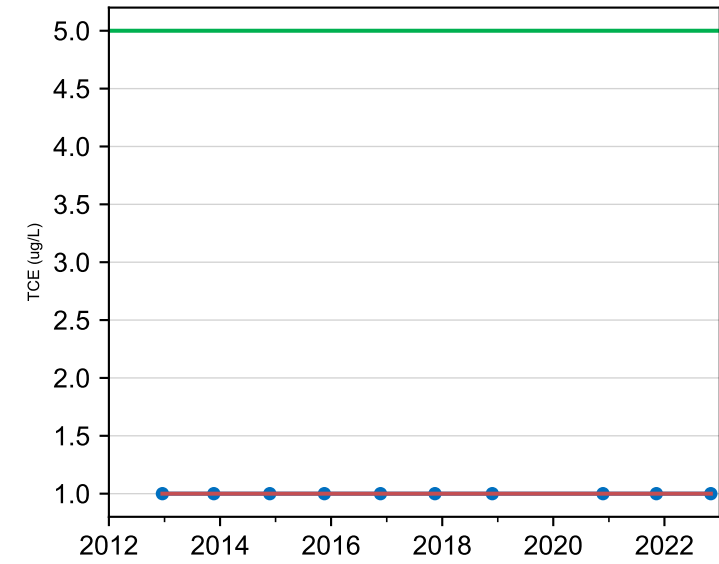
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Figure 297. Tc-99 and TCE at R2 (Unknown)

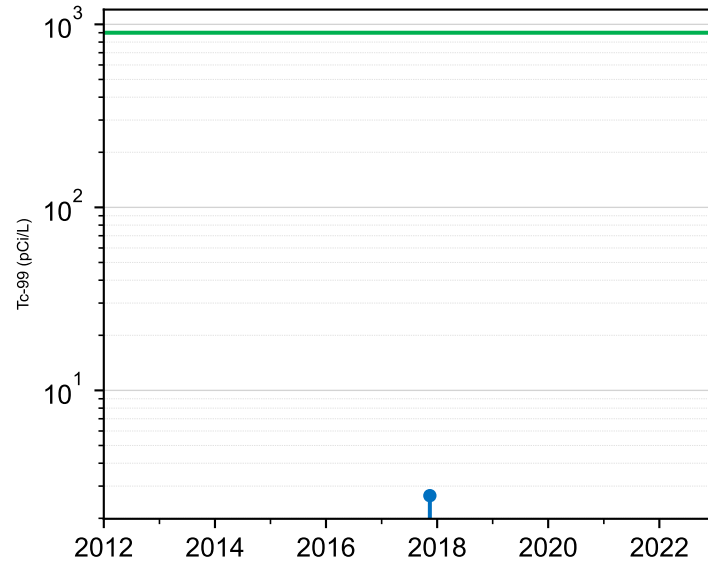
Technetium-99



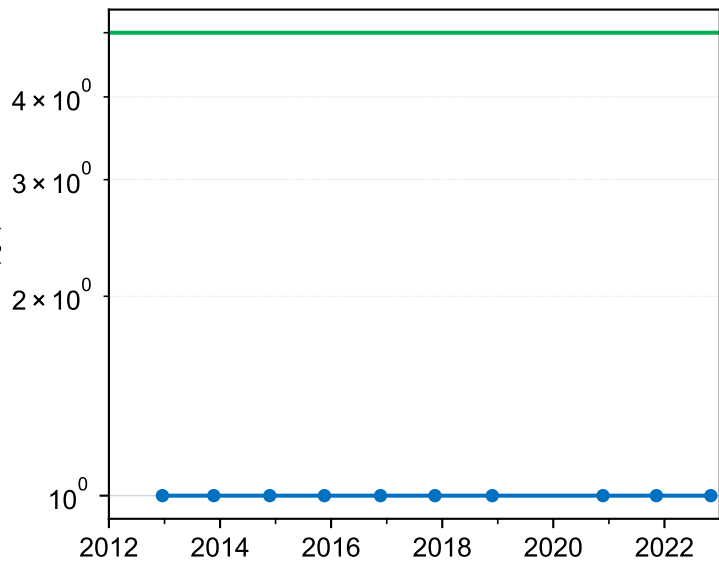
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/18/2012		1.0 U
11/21/2013	-5.94 U	1.0 U
11/24/2014	-7.06 U	1.0 U
11/18/2015	-4.62 U	1.0 U
11/21/2016	-0.564 U	1.0 U
11/14/2017	2.66 U	1.0 U
11/26/2018		1.0 U
11/23/2020		1.0 U
11/09/2021		1.0 U
11/02/2022		1.0 U

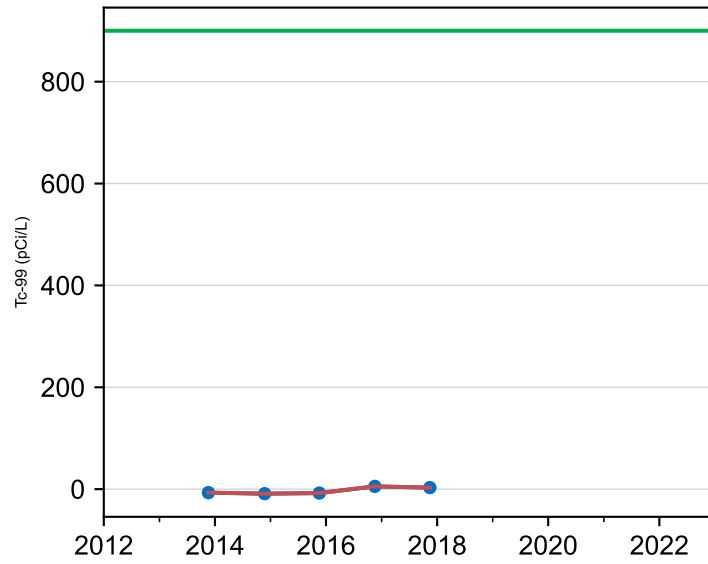
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

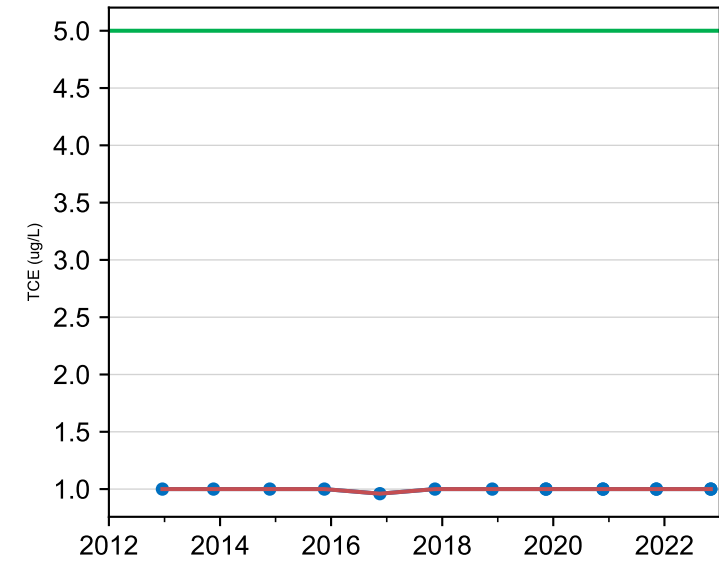
U.S. DEPARTMENT OF ENERGY
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PADUCAH GASEOUS DIFFUSION PLANT

Figure 298. Tc-99 and TCE at R20 (RGA)

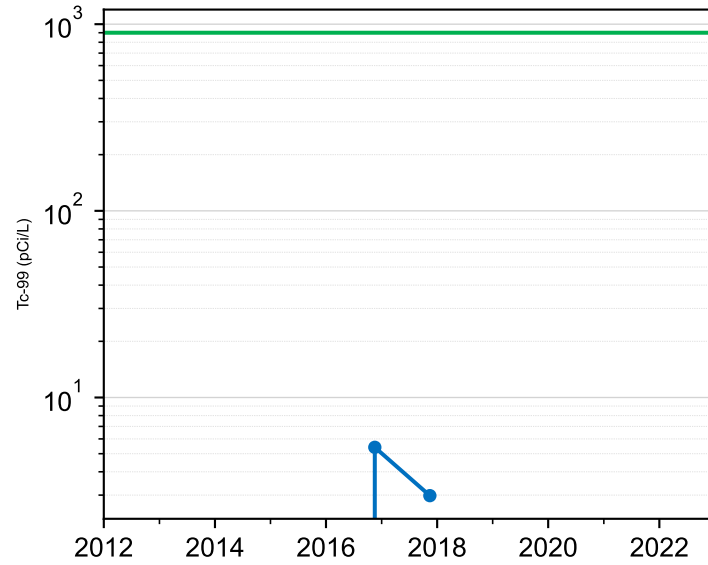
Technetium-99



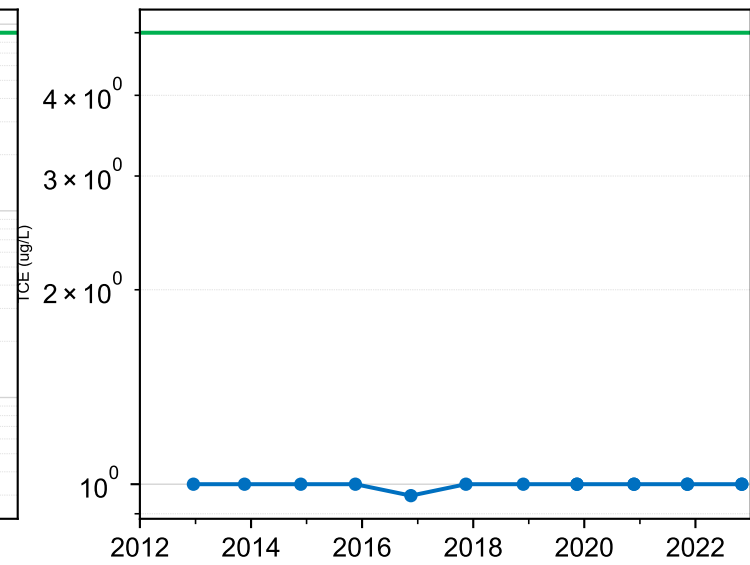
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/18/2012		1.0 U
11/19/2013	-6.84 U	1.0 U
11/24/2014	-8.86 U	1.0 U
11/18/2015	-7.68 U	1.0 U
11/17/2016	5.41 U	0.96 J
11/14/2017	2.98 U	1.0 U
11/26/2018		1.0 U
11/14/2019		1.0 U
11/23/2020		1.0 U
11/09/2021		1.0 U
11/02/2022		1.0 U

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

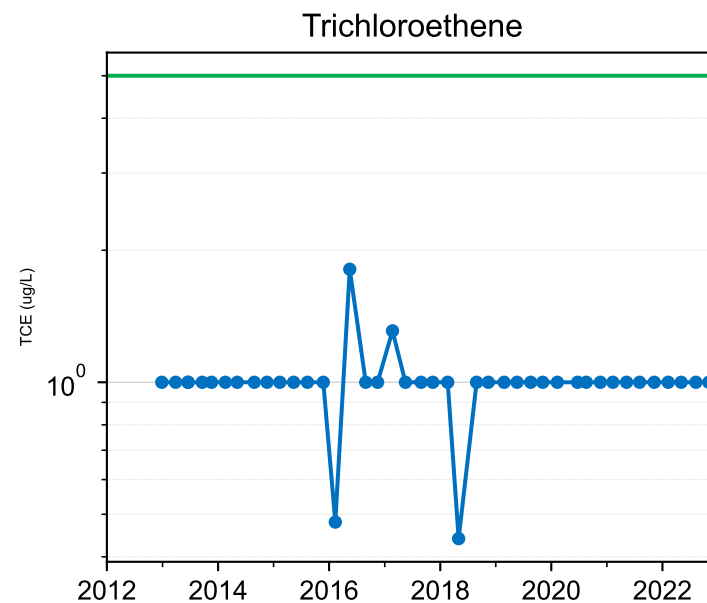
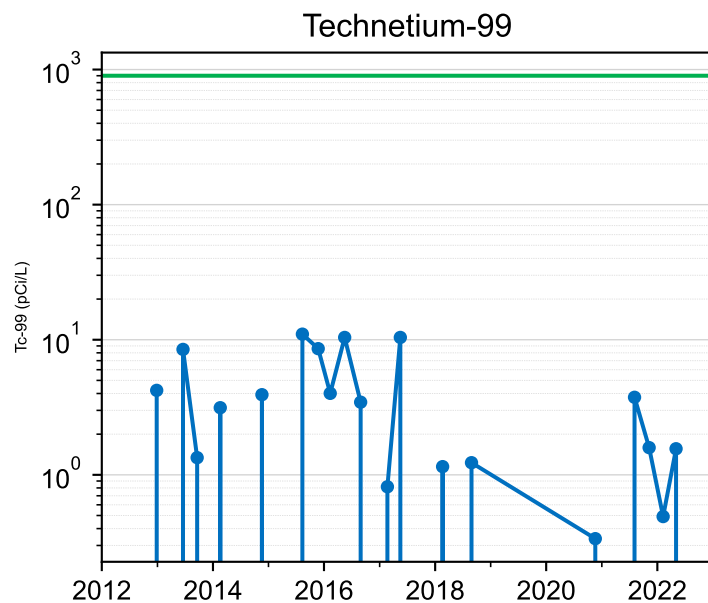
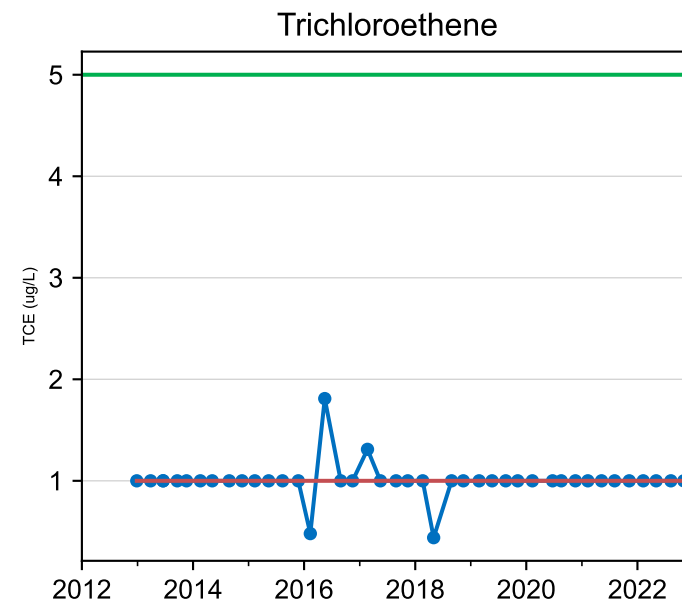
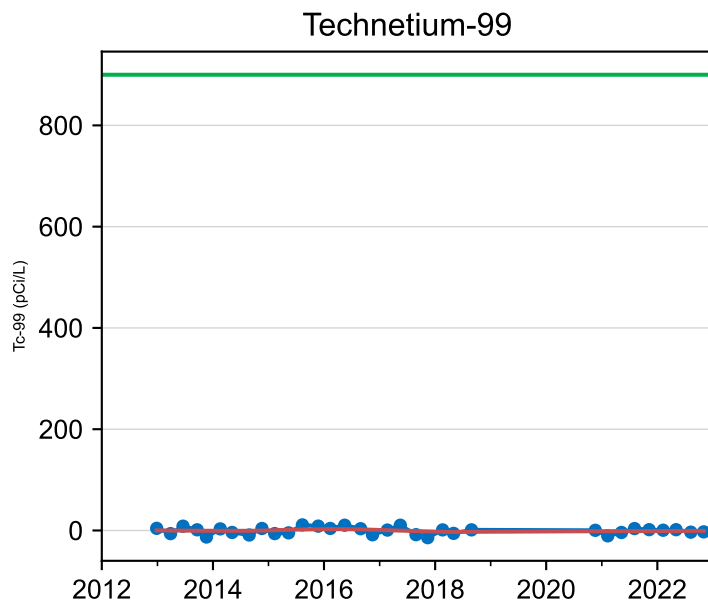
● Data
 — LOWESS
 — MCLs

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Figure 299. Tc-99 and TCE at R21 (Unknown)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/27/2012	4.22 U	1.0 U
03/28/2013	-6.21 U	1.0 U
06/18/2013	8.48 U	1.0 U
09/19/2013	1.34 U	1.0 U
11/19/2013	-12.9 U	1.0 U
02/18/2014	3.14 U	1.0 U
05/07/2014	-3.9 U	1.0 U
08/27/2014	-8.92 U	1.0 U
11/19/2014	3.92 U	1.0 U
02/11/2015	-6.15 U	1.0 U
05/13/2015	-4.69 U	1.0 U
08/12/2015	11.0 U	1.0 U
11/24/2015	8.59 U	1.0 U
02/11/2016	4.01 U	0.48 J
05/16/2016	10.4 U	1.81
08/29/2016	3.45 U	1.0 U
11/15/2016	-8.49 U	1.0 U
02/21/2017	0.816 U	1.31
05/17/2017	10.4 U	1.0 U
08/28/2017	-8.29 U	1.0 U
11/13/2017	-14.2 U	1.0 U
02/19/2018	1.15 U	1.0 U
05/02/2018	-5.73 U	0.44 J
08/28/2018	1.23 U	1.0 U
11/13/2018		1.0 U
02/25/2019		1.0 U
05/21/2019		1.0 U
08/19/2019		1.0 U
11/06/2019		1.0 U
02/10/2020		1.0 U
06/22/2020		1.0 U
08/18/2020		1.0 U
11/19/2020	0.337 U	1.0 U
02/09/2021	-10.6 UJ	1.0 U
05/10/2021	-3.94 U	1.0 U
08/04/2021	3.75 U	1.0 U
11/08/2021	1.59 U	1.0 U
02/08/2022	0.491 U	1.0 U
05/04/2022	1.56 U	1.0 U
08/09/2022	-3.32 U	1.0 U
11/02/2022	-2.75 U	1.0 U



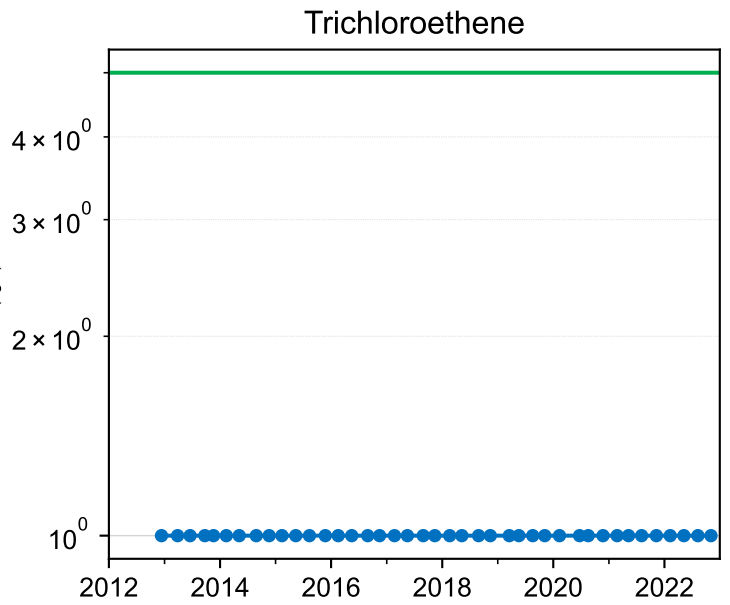
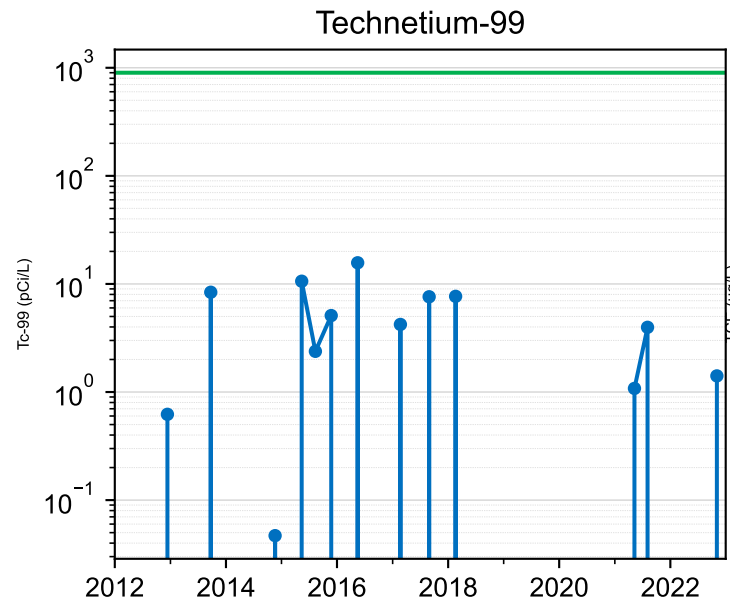
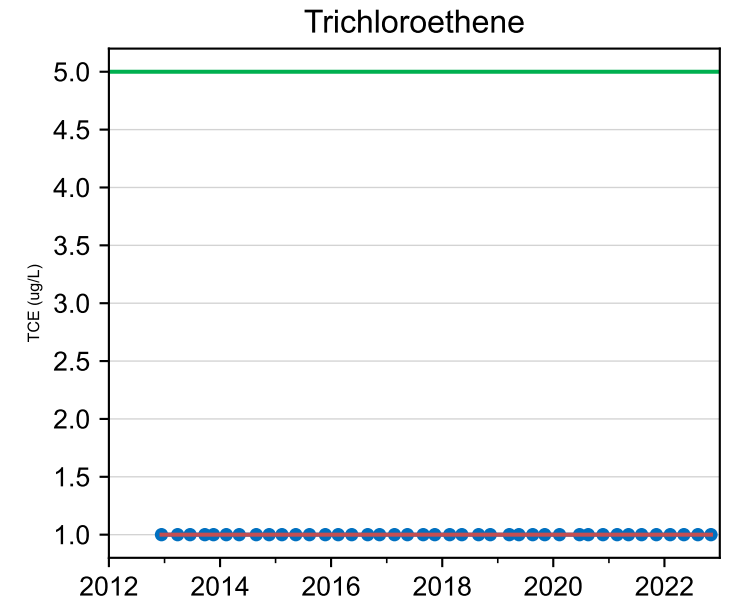
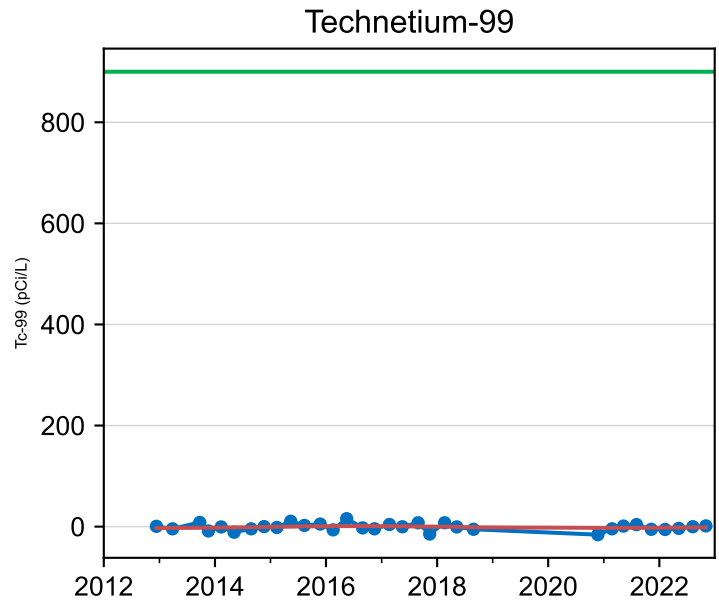
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

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Figure 300. Tc-99 and TCE at R245 (Unknown)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/12/2012	0.622 U	1.0 U
03/28/2013	-4.37 U	1.0 U
06/18/2013		1.0 U
09/23/2013	8.38 U	1.0 U
11/19/2013	-8.54 U	1.0 U
02/11/2014	-0.663 U	1.0 U
05/07/2014	-11.0 U	1.0 U
08/27/2014	-4.32 U	1.0 U
11/20/2014	0.0469 U	1.0 U
02/12/2015	-1.7 U	1.0 U
05/14/2015	10.6 U	1.0 U
08/12/2015	2.38 U	1.0 U
11/24/2015	5.1 U	1.0 U
02/17/2016	-6.39 U	1.0 U
05/16/2016	15.7 U	1.0 U
08/29/2016	-2.51 U	1.0 U
11/15/2016	-4.3 U	1.0 U
02/21/2017	4.22 U	1.0 U
05/17/2017	-0.314 U	1.0 U
08/29/2017	7.61 U	1.0 U
11/13/2017	-14.6 U	1.0 U
02/19/2018	7.68 U	1.0 U
05/10/2018	-0.607 U	1.0 U
08/28/2018	-5.2 U	1.0 U
11/13/2018		1.0 U
03/18/2019		1.0 U
05/20/2019		1.0 U
08/19/2019		1.0 U
11/06/2019		1.0 U
02/11/2020		1.0 U
06/22/2020		1.0 U
08/18/2020		1.0 U
11/23/2020	-15.9 U	1.0 U
02/24/2021	-4.31 U	1.0 U
05/10/2021	1.08 U	1.0 U
08/04/2021	3.97 U	1.0 U
11/09/2021	-5.32 U	1.0 U
02/08/2022	-5.62 U	1.0 U
05/09/2022	-3.46 U	1.0 U
08/09/2022	-0.178 U	1.0 U
11/03/2022	1.41 U	1.0 U



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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 PADUCAH GASEOUS DIFFUSION PLANT


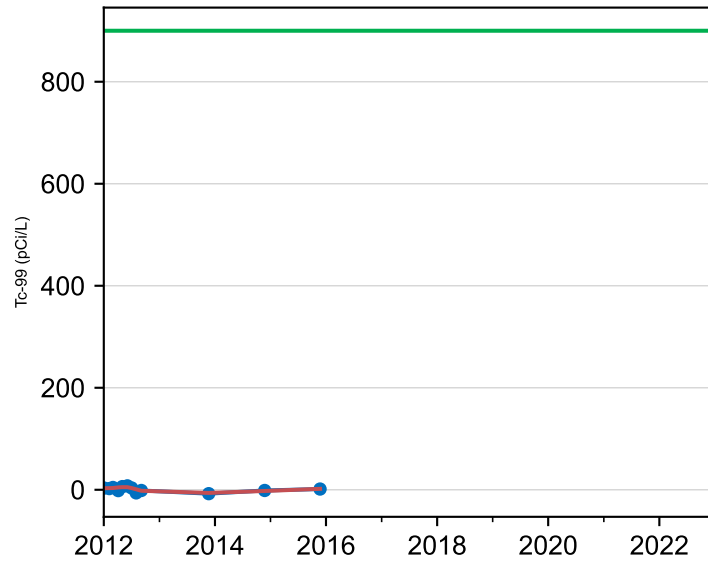
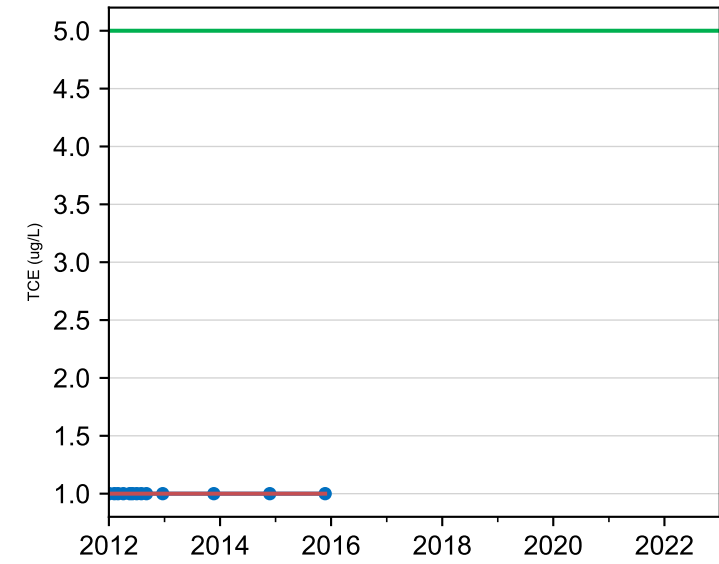


Figure 301. Tc-99 and TCE at R26 (Unknown)

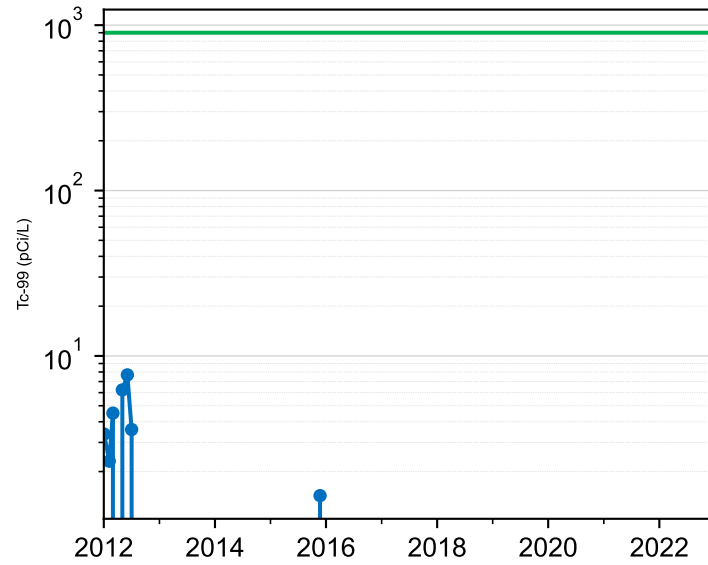
Technetium-99



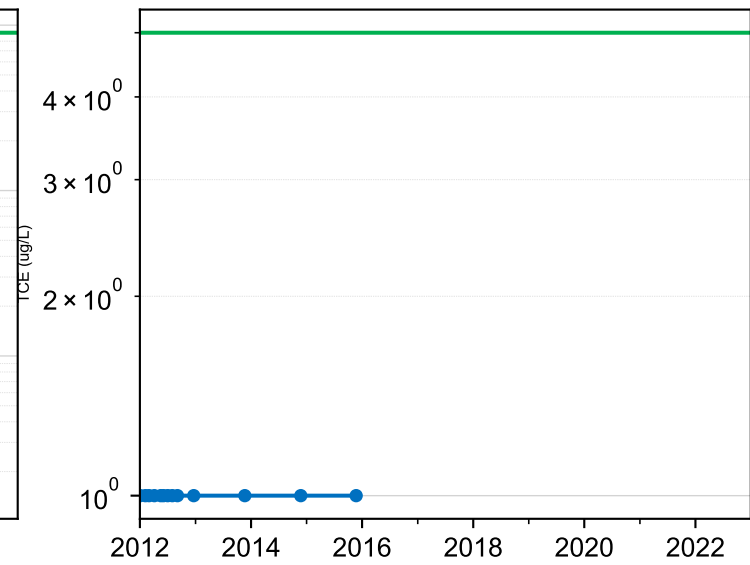
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/03/2012	3.37 U	1.0 U
02/06/2012	2.31 U	1.0 U
03/01/2012	4.51 U	1.0 U
04/05/2012	-1.63 U	1.0 U
05/02/2012	6.23 U	
05/17/2012		1.0 U
06/04/2012	7.68 U	1.0 U
07/02/2012	3.59 U	1.0 U
08/01/2012	-6.11 U	1.0 UJ
09/04/2012	-1.38 U	1.0 UJ
12/20/2012		1.0 U
11/21/2013	-7.63 U	1.0 U
11/24/2014	-1.36 U	1.0 U
11/23/2015	1.43 U	1.0 U

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

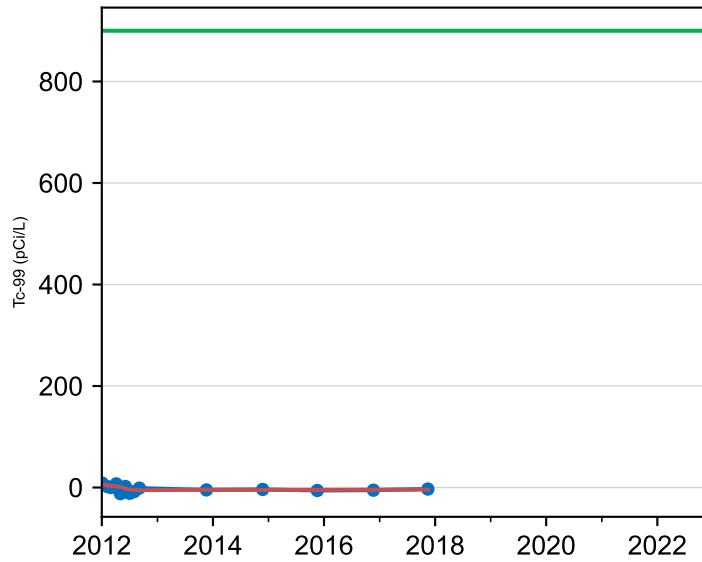
● Data
 — LOWESS
 — MCLs

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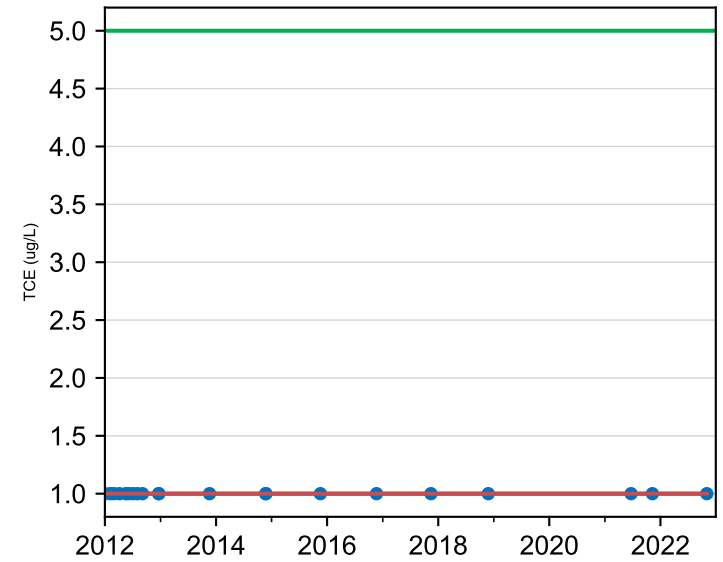
FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 302. Tc-99 and TCE at R294 (Unknown)

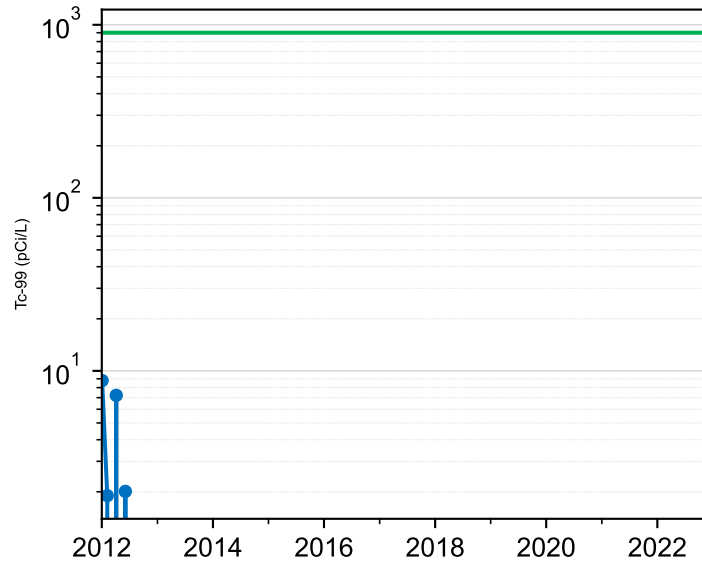
Technetium-99



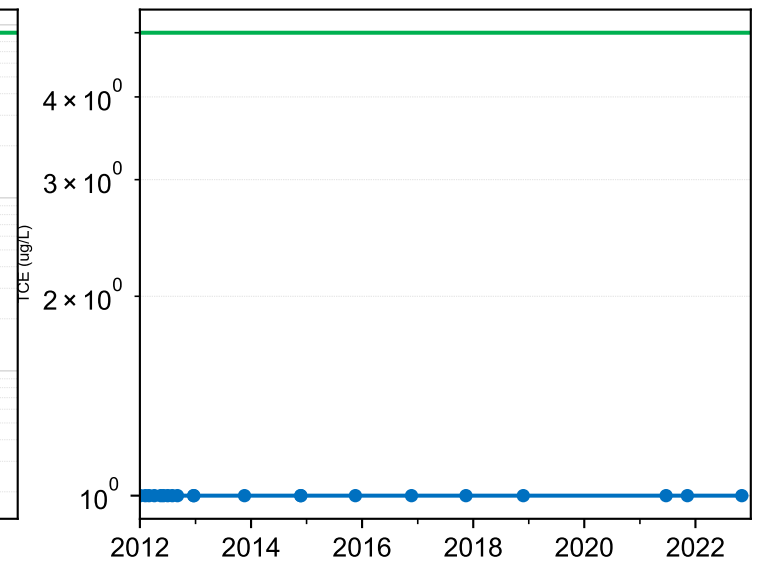
Trichloroethene



Technetium-99



Trichloroethene



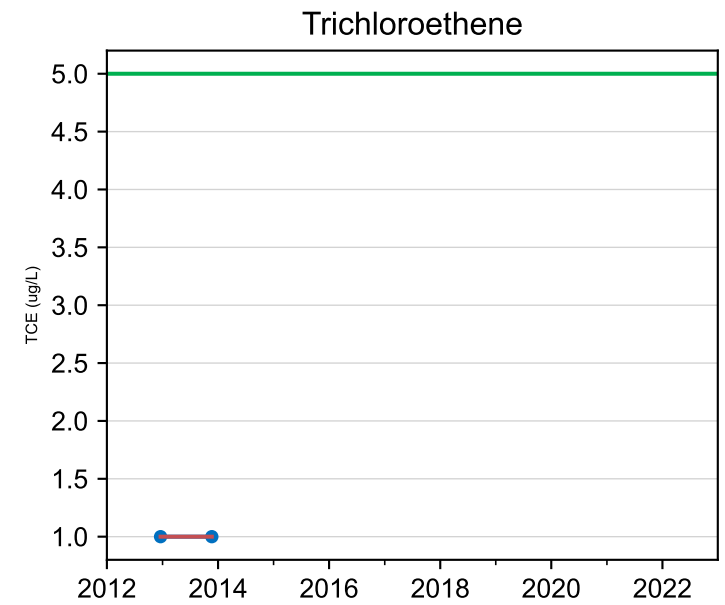
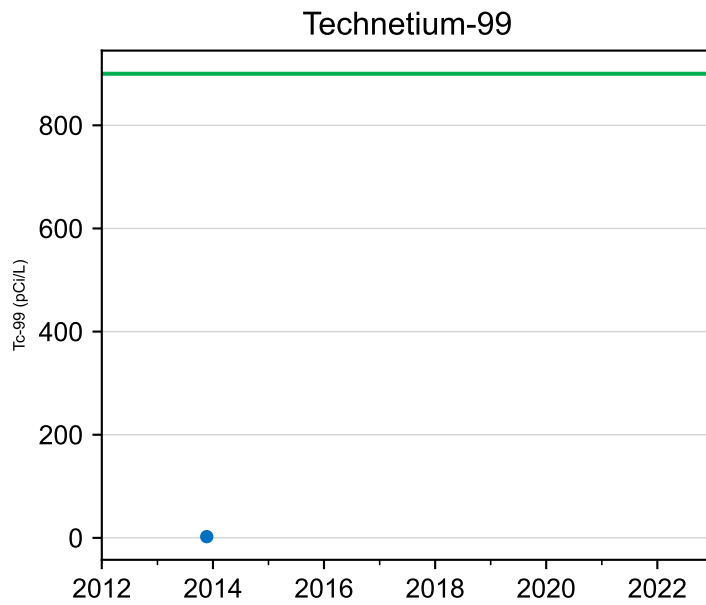
Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
01/03/2012	8.79 U	1.0 U
02/06/2012	1.9 U	1.0 U
03/01/2012	0.0 U	1.0 U
04/05/2012	7.22 U	1.0 UJ
05/02/2012	-12.1 U	
05/17/2012		1.0 U
06/04/2012	2.01 U	1.0 U
07/02/2012	-11.4 U	1.0 U
08/01/2012	-8.04 U	1.0 UJ
09/04/2012	-1.16 U	1.0 UJ
12/20/2012		1.0 U
11/19/2013	-4.72 U	1.0 U
11/24/2014	-3.78 U	1.0 U
11/18/2015	-5.86 U	1.0 U
11/21/2016	-5.25 U	1.0 U
11/14/2017	-2.98 U	1.0 U
11/26/2018		1.0 U
06/22/2021		1.0 U
11/09/2021		1.0 U
11/02/2022		1.0 U

- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

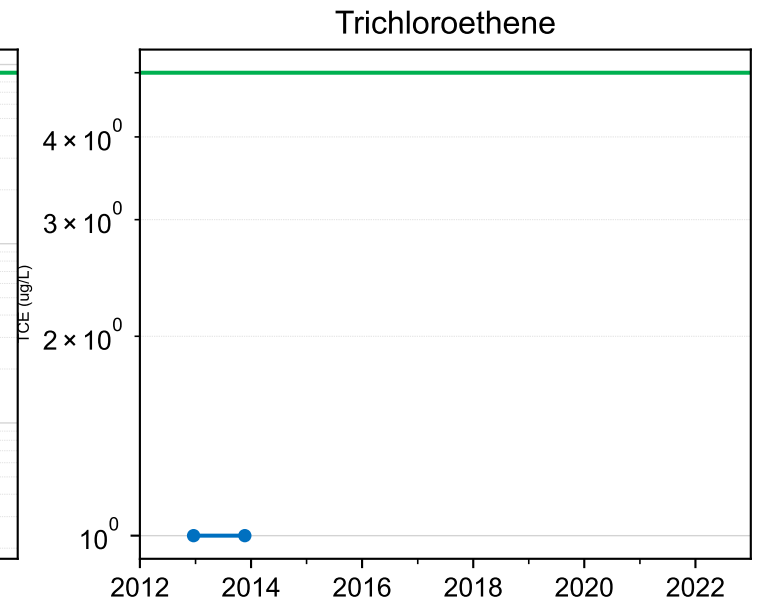
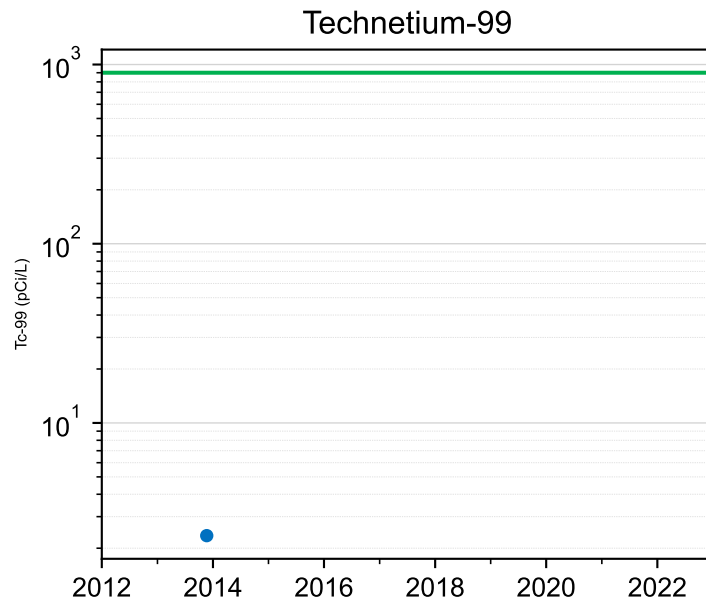
● Data — LOWESS
— MCLs

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Figure 303. Tc-99 and TCE at R302 (RGA)



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/19/2012		1.0 U
11/21/2013	2.35 U	1.0 U



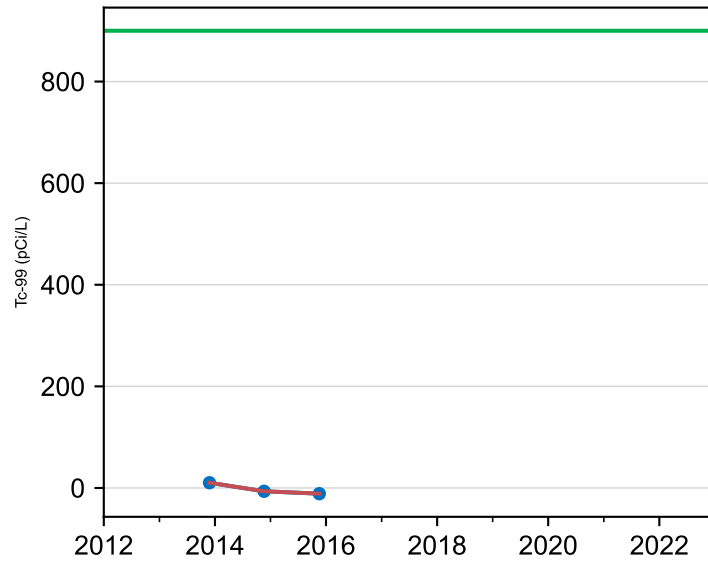
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

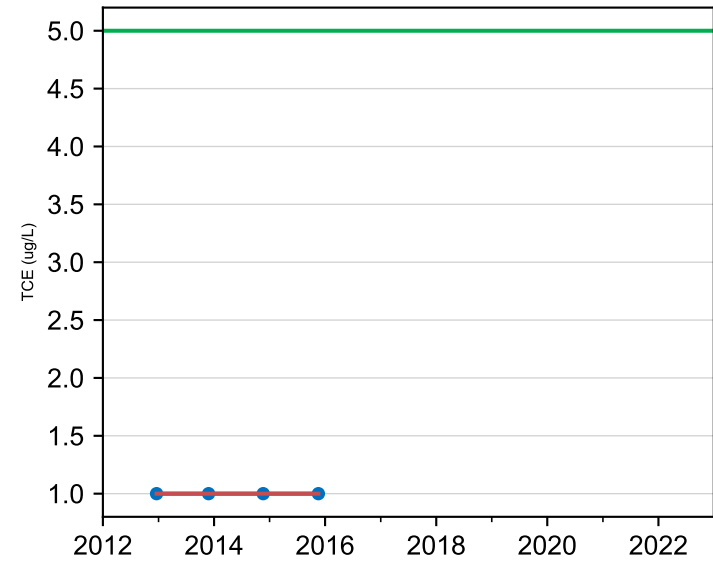
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Figure 304. Tc-99 and TCE at R384 (Unknown)

Technetium-99

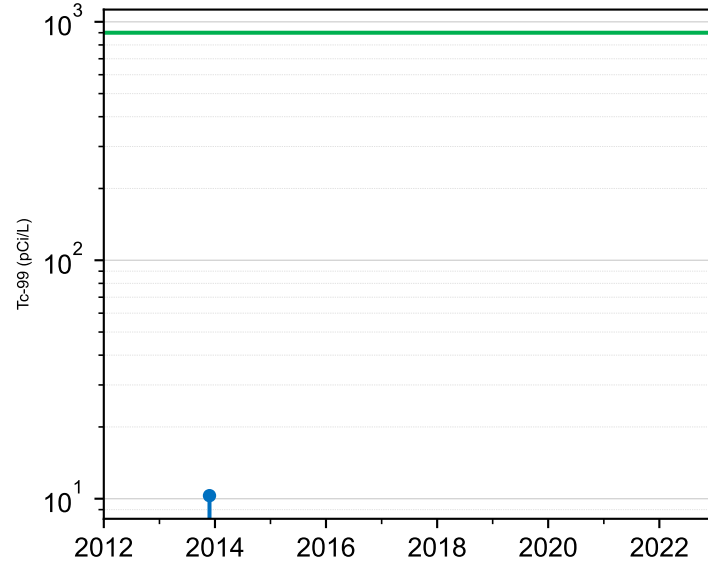


Trichloroethene

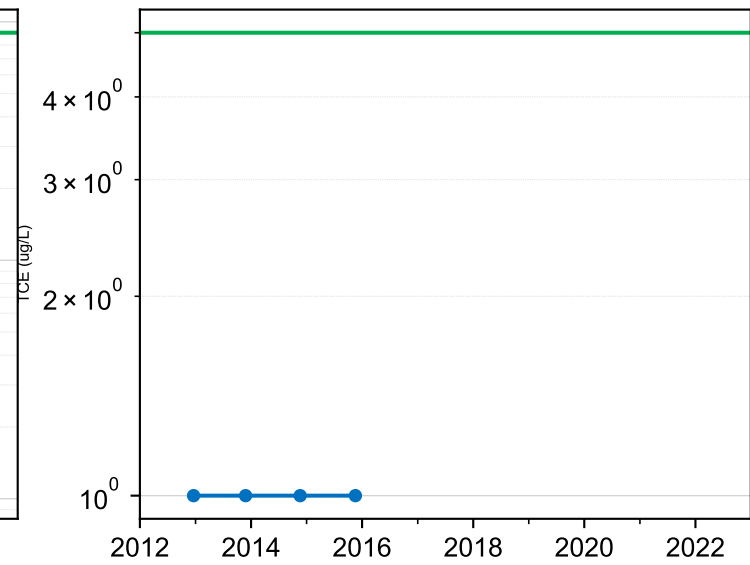


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/19/2012		1.0 U
11/26/2013	10.3 U	1.0 U
11/20/2014	-6.52 U	1.0 U
11/18/2015	-11.2 U	1.0 U

Technetium-99



Trichloroethene

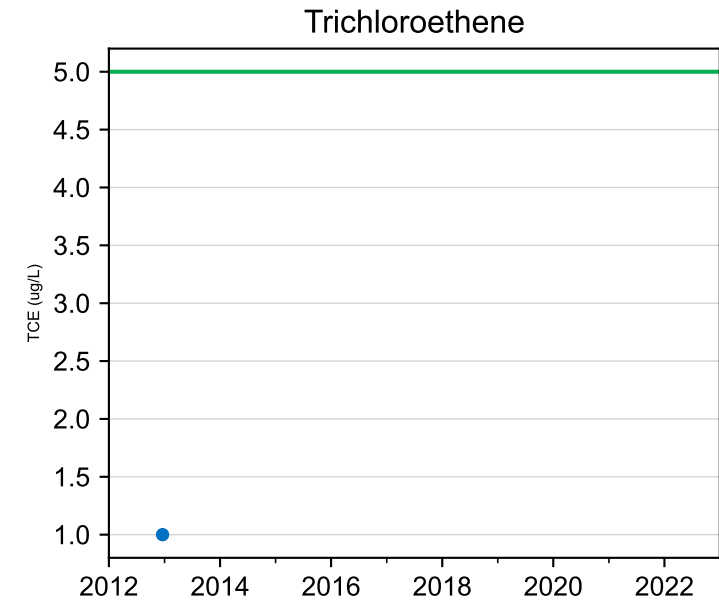
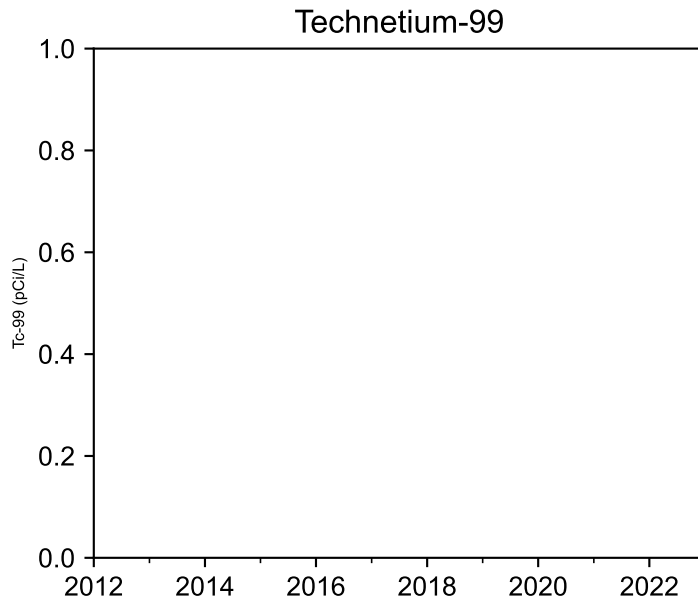


Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

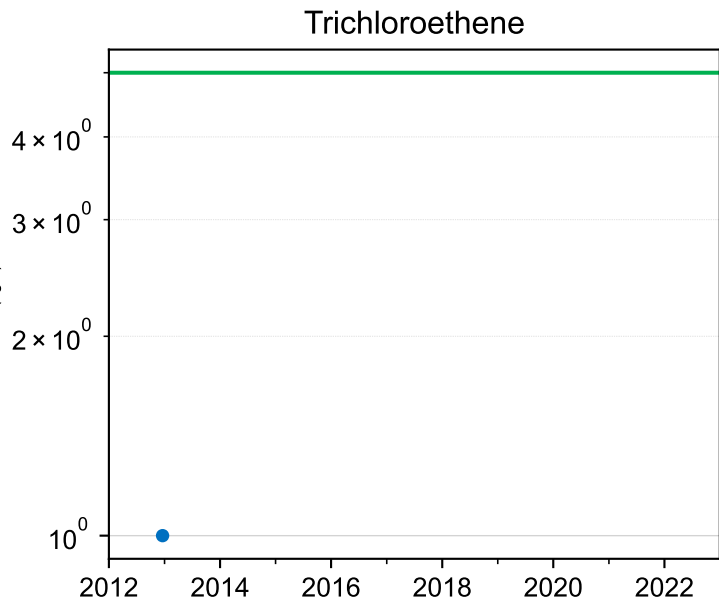
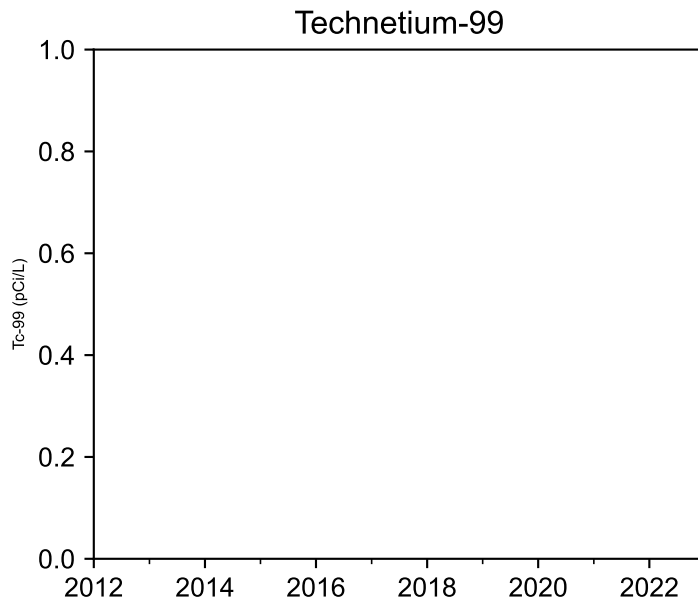
● Data
 — LOWESS
 — MCLs

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 PADUCAH GASEOUS DIFFUSION PLANT

Figure 305. Tc-99 and TCE at R387 (Unknown)



Sample Date	Trichloroethene (ug/L)
12/19/2012	1.0 U



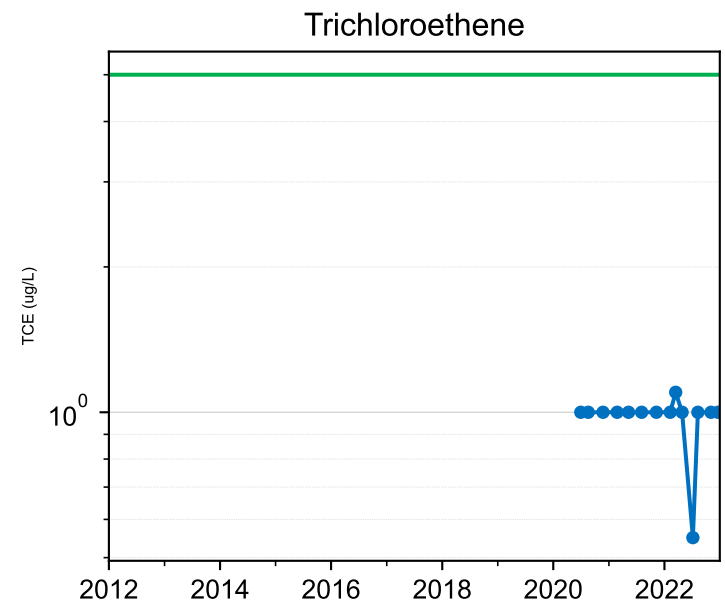
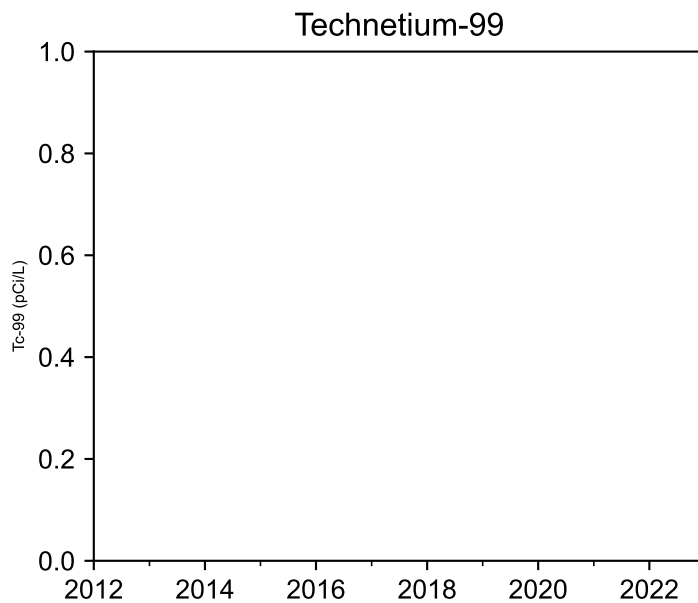
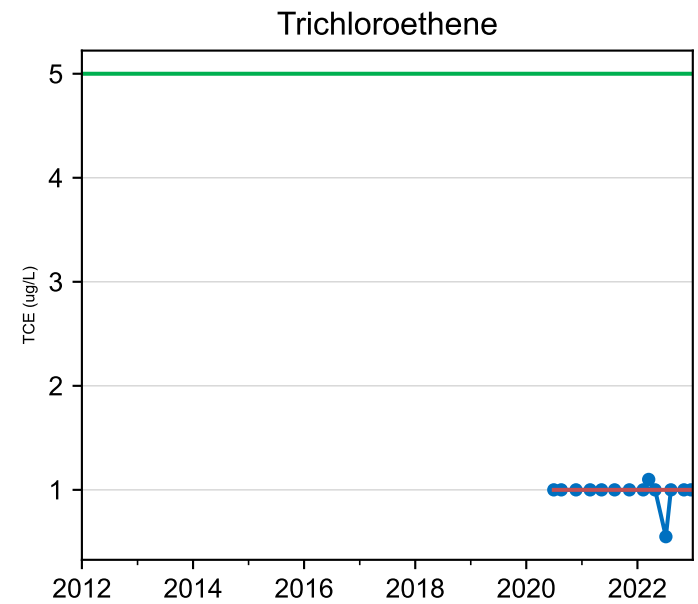
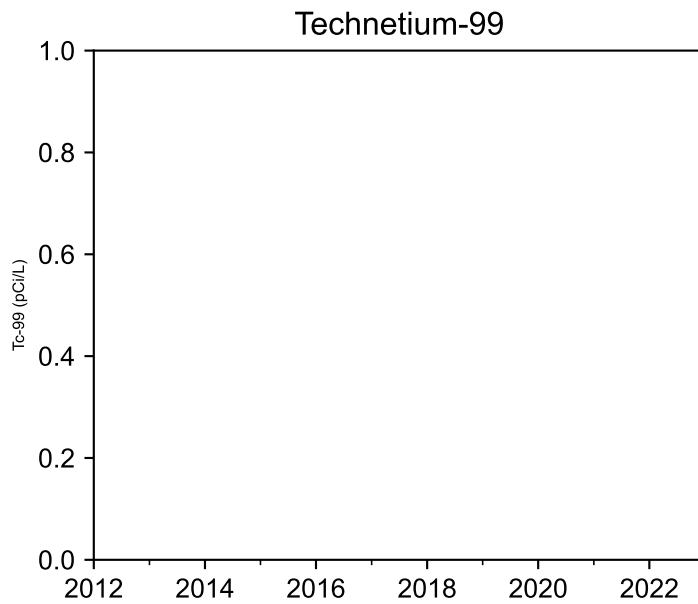
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

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Figure 306. Tc-99 and TCE at R392 (Unknown)

Sample Date	Trichloroethene (ug/L)
06/30/2020	1.0 U
08/18/2020	1.0 U
11/23/2020	1.0 U
02/24/2021	1.0 U
05/10/2021	1.0 U
08/04/2021	1.0 U
11/09/2021	1.0 U
02/08/2022	1.0 U
03/16/2022	1.1
04/27/2022	1.0 U
07/07/2022	0.55 J
08/09/2022	1.0 U
11/03/2022	1.0 U
12/19/2022	1.0 U



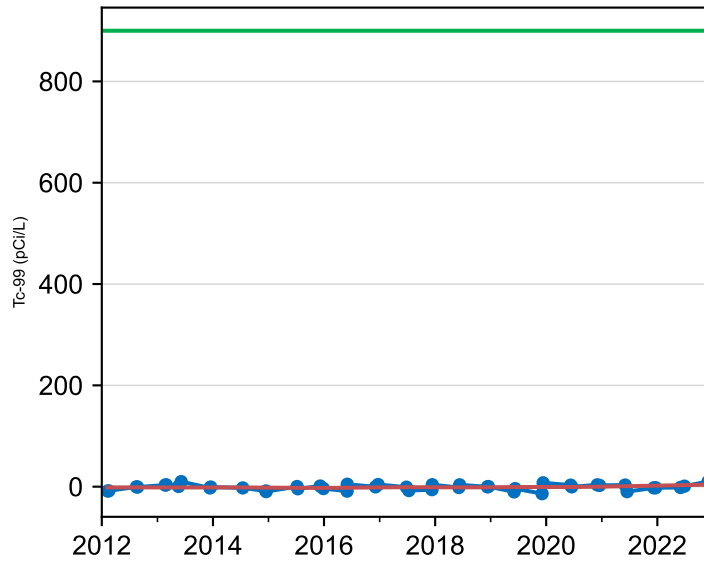
- Notes:
1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
— LOWESS
— MCLs

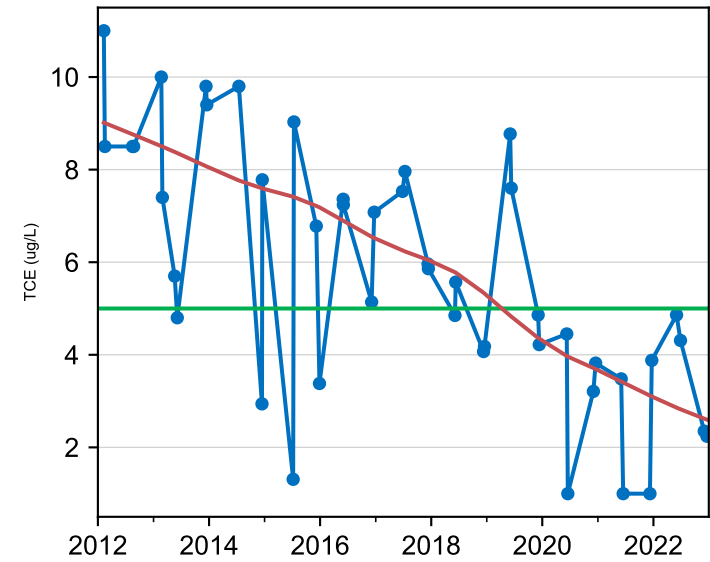
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PADUCAH GASEOUS DIFFUSION PLANT

Figure 307. Tc-99 and TCE at R40 (Unknown)

Technetium-99

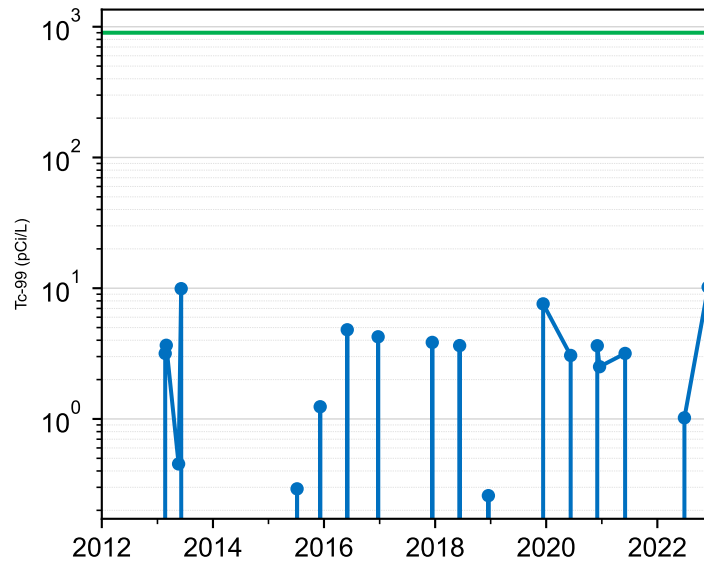


Trichloroethene

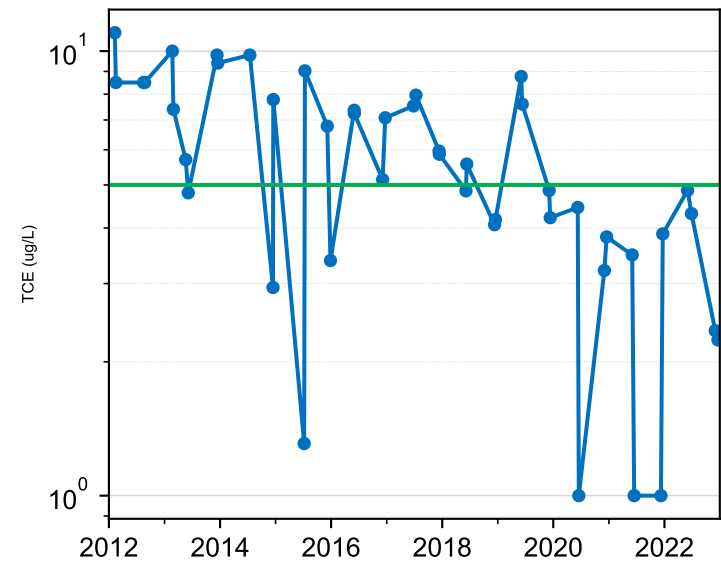


Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/09/2012	-8.56 U	11.0
02/16/2012	-8.23 U	8.5
08/16/2012	-0.295 U	8.5 J
08/23/2012	-0.748 U	8.5 J
02/21/2013	3.17 U	10.0
02/28/2013	3.66 U	7.4
05/20/2013	0.453 U	5.7
06/06/2013	9.92 U	4.8
12/12/2013	-2.5 U	9.8
12/17/2013	-0.718 U	9.4
07/16/2014	-2.45 U	9.8
12/15/2014	-8.47 U	2.94
12/17/2014	-9.7 U	7.78
07/08/2015	0.292 U	1.31
07/13/2015	-4.1 U	9.03
12/07/2015	1.24 U	6.78
12/28/2015	-3.66 U	3.38
06/01/2016	-8.8 U	7.36
06/02/2016	4.81 U	7.24
12/05/2016	-0.401 U	5.14
12/22/2016	4.25 U	7.08
06/26/2017	-0.994 U	7.53
07/12/2017	-7.65 U	7.96
12/11/2017	-5.89 U	5.96
12/13/2017	3.85 U	5.86
06/08/2018	-1.67 U	4.85
06/11/2018	3.64 U	5.57
12/11/2018	-0.317 U	4.07
12/17/2018	0.259 U	4.18
06/04/2019	-10.3 U	8.77
06/11/2019	-3.87 U	7.6
12/05/2019	-13.8 U	4.86
12/12/2019	7.59 U	4.22
06/10/2020	3.06 U	4.45
06/17/2020	-0.334 U	1.0 U
12/02/2020	3.63 U	3.21
12/17/2020	2.51 U	3.82
06/03/2021	3.17 U	3.48
06/16/2021	-9.81 U	1.0 U
12/09/2021	-2.29 U	1.0 U
12/21/2021	-2.1 U	3.88
06/02/2022	-1.61 U	4.86
06/28/2022	1.02 U	4.31
12/01/2022	10.2 U	2.35
12/19/2022	9.82 U	2.24

Technetium-99



Trichloroethene



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

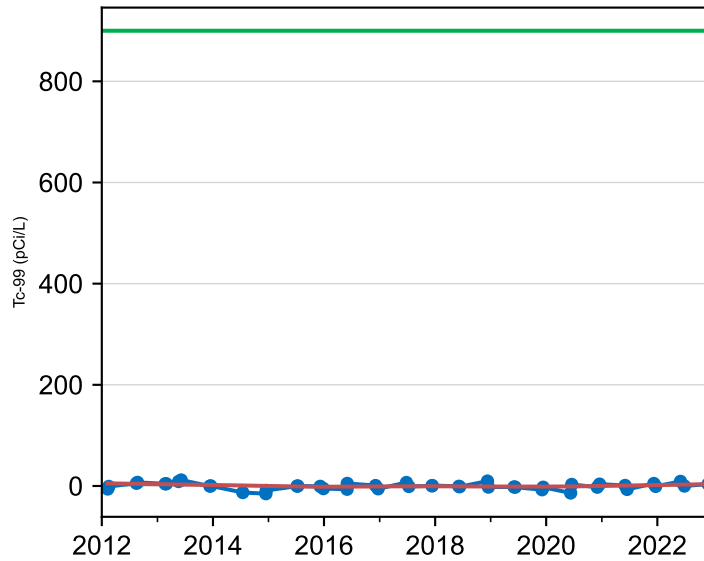
● Data
— LOWESS
— MCLs

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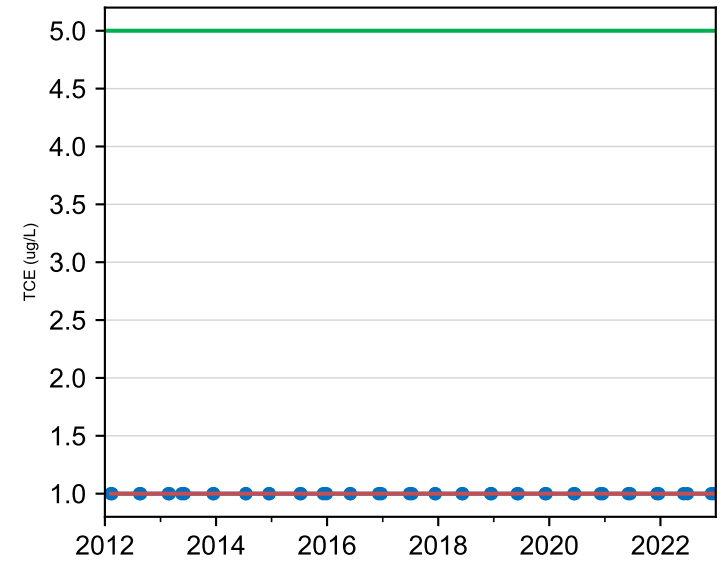
FOUR RIVERS
NUCLEAR PARTNERSHIP, LLC

Figure 308. Tc-99 and TCE at R424-PRT1 (RGA)

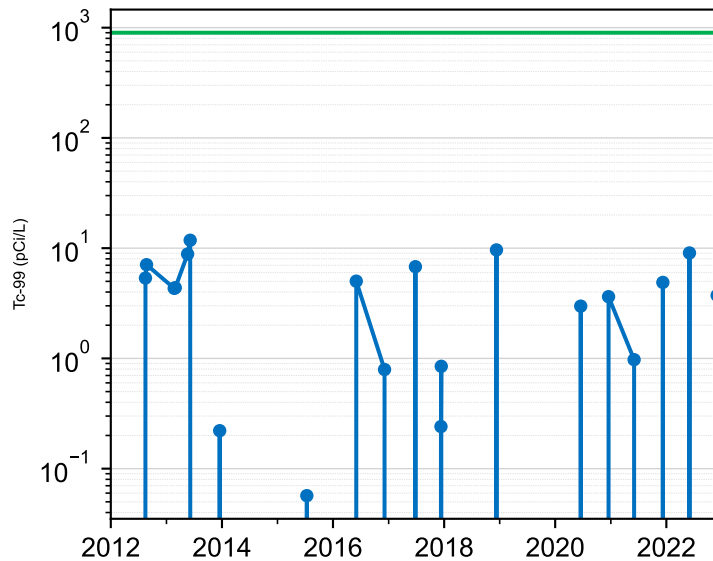
Technetium-99



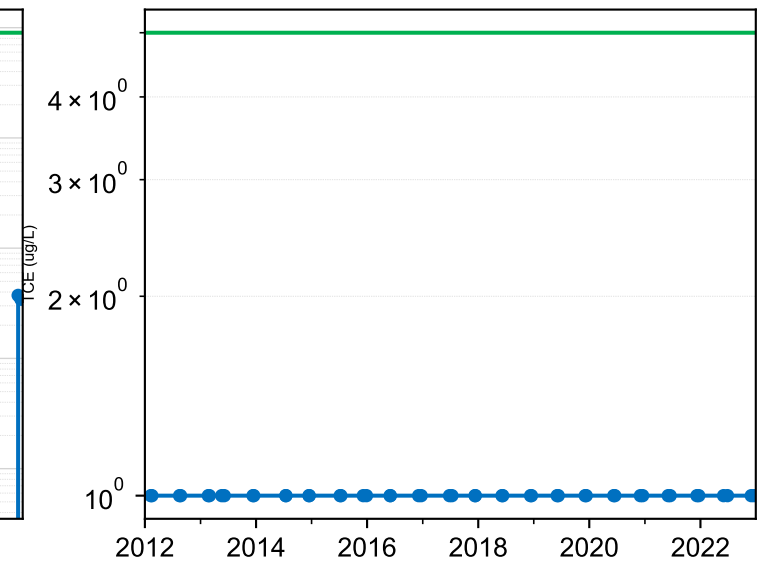
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
02/09/2012	-5.94 U	1.0 U
02/16/2012	-0.927 U	1.0 U
08/16/2012	5.36 U	1.0 UJ
08/23/2012	7.08 U	1.0 UJ
02/21/2013	4.32 U	1.0 U
02/28/2013	4.38 U	1.0 U
05/20/2013	8.84 U	1.0 U
06/06/2013	11.8 U	1.0 U
12/12/2013	-0.334 U	1.0 U
12/17/2013	0.221 U	1.0 U
07/16/2014	-12.9 U	1.0 U
12/15/2014	-15.2 U	1.0 U
12/17/2014	-8.87 U	1.0 U
07/08/2015	-0.354 U	1.0 U
07/13/2015	0.0569 U	1.0 U
12/07/2015	-0.745 U	1.0 U
12/28/2015	-5.14 U	1.0 U
06/01/2016	-6.43 U	1.0 U
06/02/2016	5.02 U	1.0 U
12/05/2016	0.793 U	1.0 U
12/22/2016	-5.53 U	1.0 U
06/26/2017	6.79 U	1.0 U
07/12/2017	-0.998 U	1.0 U
12/11/2017	0.241 U	1.0 U
12/13/2017	0.848 U	1.0 U
06/06/2018	-0.648 U	1.0 U
06/11/2018	-1.57 U	1.0 U
12/11/2018	9.64 U	1.0 U
12/17/2018	-2.15 U	1.0 U
06/04/2019	-1.9 U	1.0 U
06/11/2019	-2.39 U	1.0 U
12/05/2019	-7.41 U	1.0 U
12/12/2019	-2.5 U	1.0 U
06/10/2020	-13.8 U	1.0 U
06/17/2020	2.98 U	1.0 U
12/02/2020	-2.37 U	1.0 U
12/17/2020	3.63 U	1.0 U
06/03/2021	0.974 U	1.0 U
06/16/2021	-6.74 U	1.0 U
12/09/2021	4.89 U	1.0 U
12/21/2021	-0.767 U	1.0 U
06/02/2022	9.05 U	1.0 U
06/28/2022	-0.04 U	1.0 U
12/01/2022	3.73 U	1.0 U
12/19/2022	3.44 U	1.0 U

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

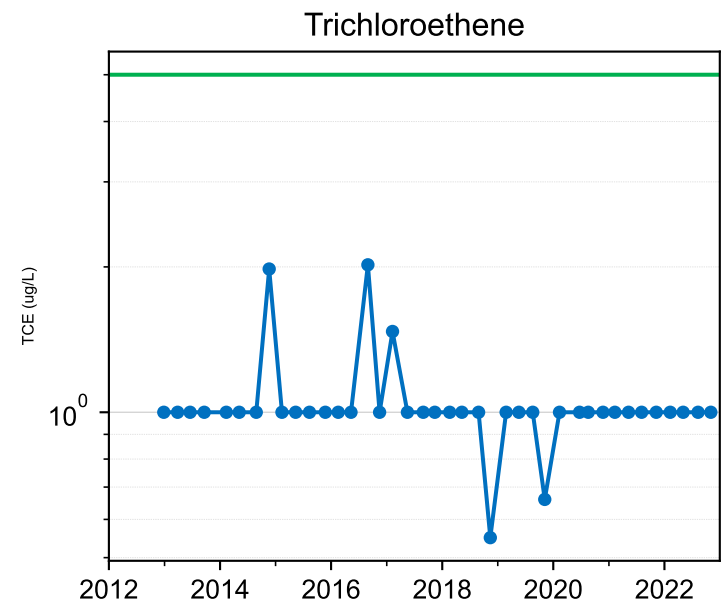
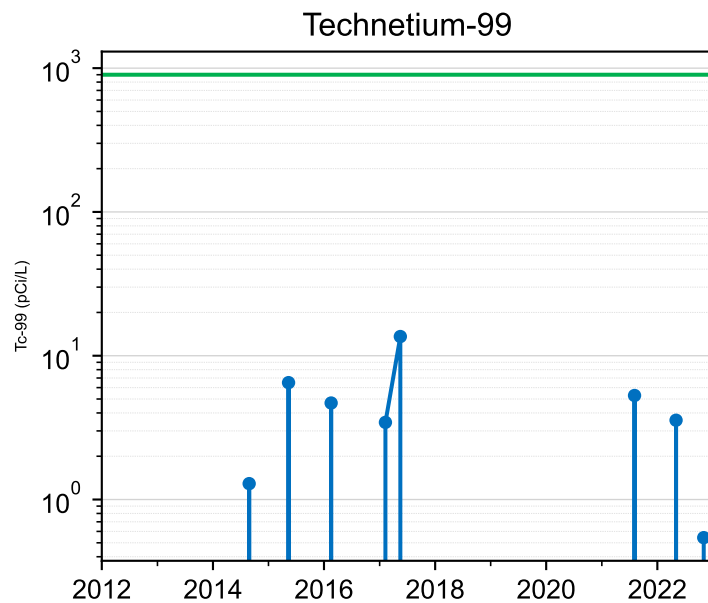
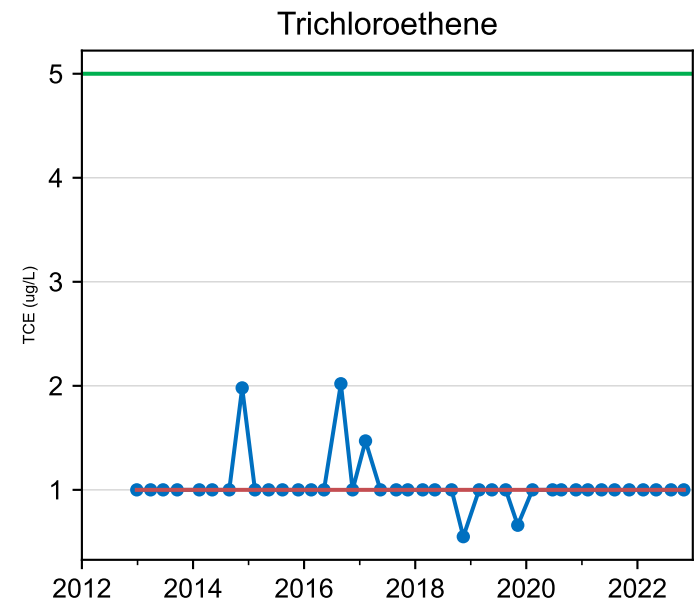
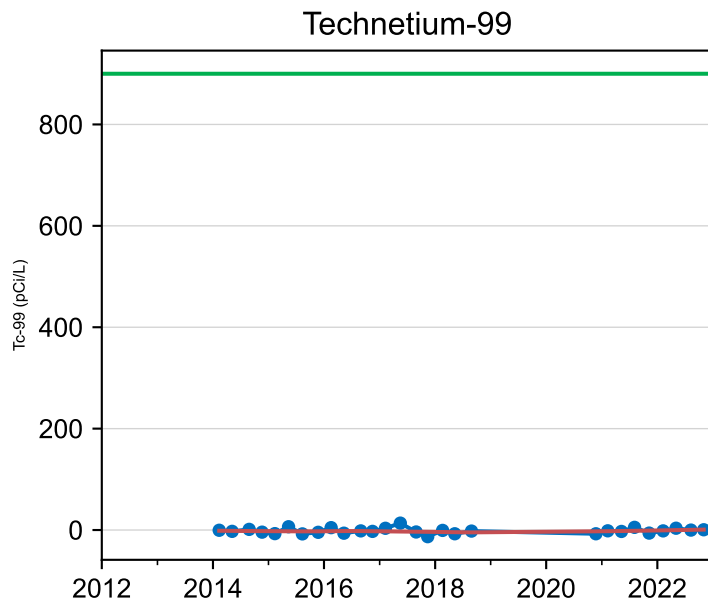
● Data
 — LOWESS
 — MCLs

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Figure 309. Tc-99 and TCE at R424-PRT3 (RGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/27/2012		1.0 U
03/28/2013		1.0 U
06/18/2013		1.0 U
09/19/2013		1.0 U
02/11/2014	-0.459 U	1.0 U
05/07/2014	-2.62 U	1.0 U
08/27/2014	1.29 U	1.0 U
11/20/2014	-4.19 U	1.98
02/12/2015	-7.1 U	1.0 U
05/13/2015	6.5 U	1.0 U
08/12/2015	-7.63 U	1.0 U
11/24/2015	-4.5 U	1.0 U
02/17/2016	4.69 U	1.0 U
05/11/2016	-6.23 U	1.0 U
08/30/2016	-1.71 U	2.02
11/15/2016	-2.67 U	1.0 U
02/08/2017	3.44 U	1.47
05/17/2017	13.6 U	1.0 U
08/29/2017	-3.86 U	1.0 U
11/13/2017	-13.1 U	1.0 U
02/19/2018	-0.745 U	1.0 U
05/10/2018	-7.37 U	1.0 U
08/28/2018	-2.09 U	1.0 U
11/13/2018		0.55 J
02/25/2019		1.0 U
05/20/2019		1.0 U
08/19/2019		1.0 U
11/06/2019		0.66 J
02/11/2020		1.0 U
05/22/2020		1.0 U
08/18/2020		1.0 U
11/23/2020	-7.39 U	1.0 U
02/09/2021	-1.56 UJ	1.0 U
05/10/2021	-2.8 U	1.0 U
08/04/2021	5.29 U	1.0 U
11/08/2021	-6.05 U	1.0 U
02/08/2022	-1.69 U	1.0 U
05/04/2022	3.56 U	1.0 U
08/10/2022	-0.127 U	1.0 U
11/02/2022	0.543 U	1.0 U



Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

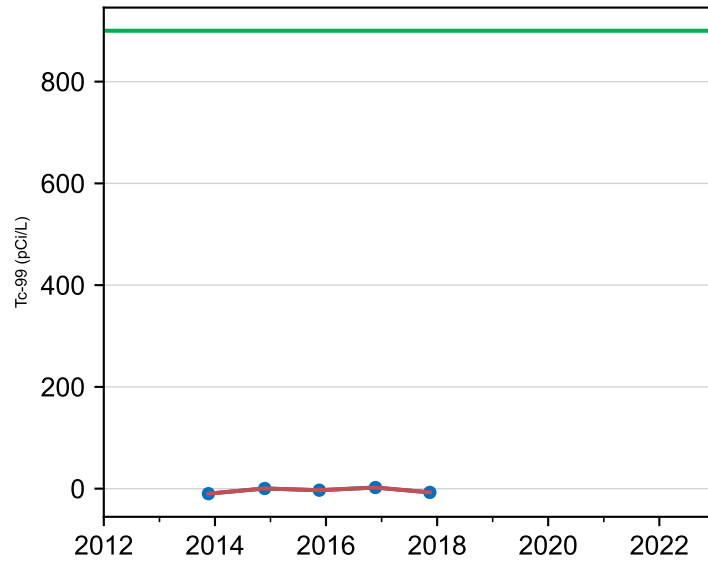
● Data
 — LOWESS
 — MCLs

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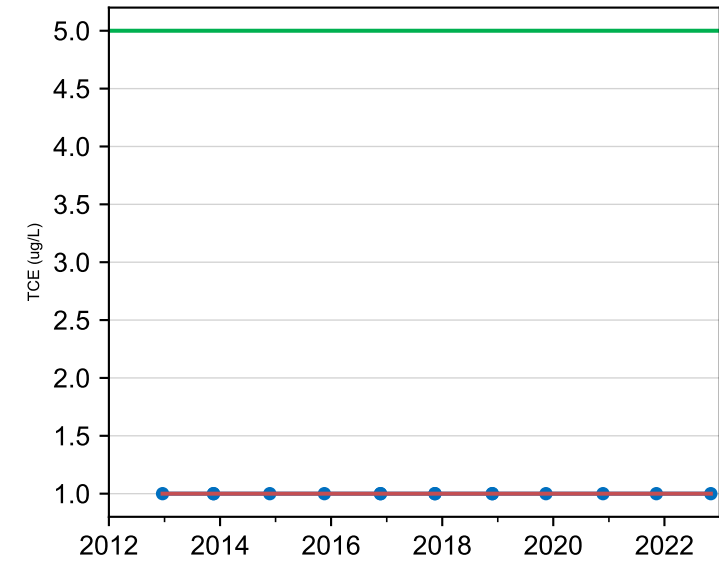


Figure 310. Tc-99 and TCE at R53 (Unknown)

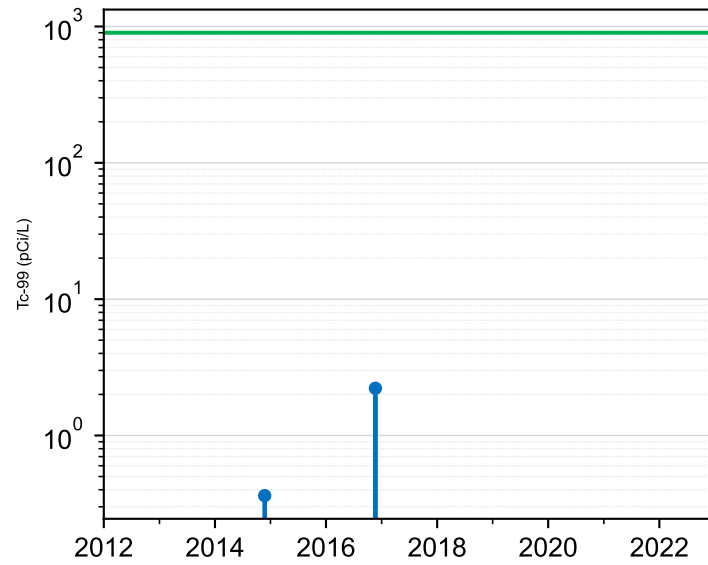
Technetium-99



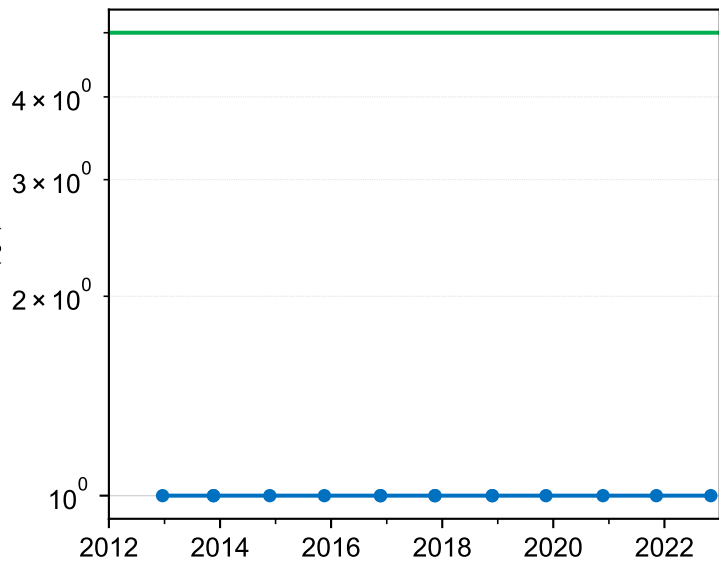
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/19/2012		1.0 U
11/19/2013	-9.86 U	1.0 U
11/24/2014	0.362 U	1.0 U
11/18/2015	-3.05 U	1.0 U
11/21/2016	2.22 U	1.0 U
11/14/2017	-7.34 U	1.0 U
11/26/2018		1.0 U
11/14/2019		1.0 U
11/23/2020		1.0 U
11/09/2021		1.0 U
11/02/2022		1.0 U

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

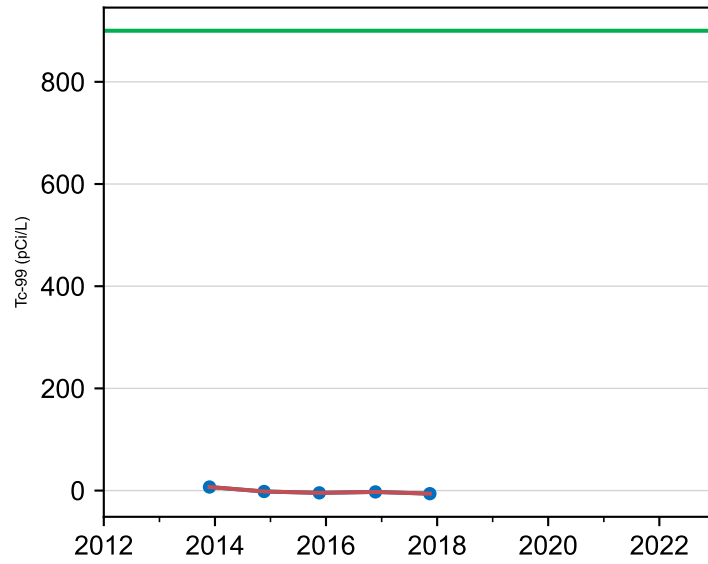
● Data
 — LOWESS
 — MCLs

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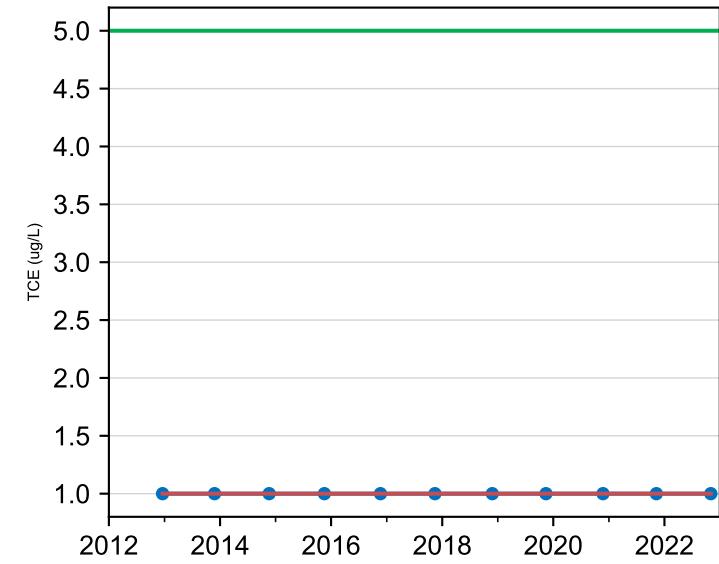
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Figure 311. Tc-99 and TCE at R83 (Unknown)

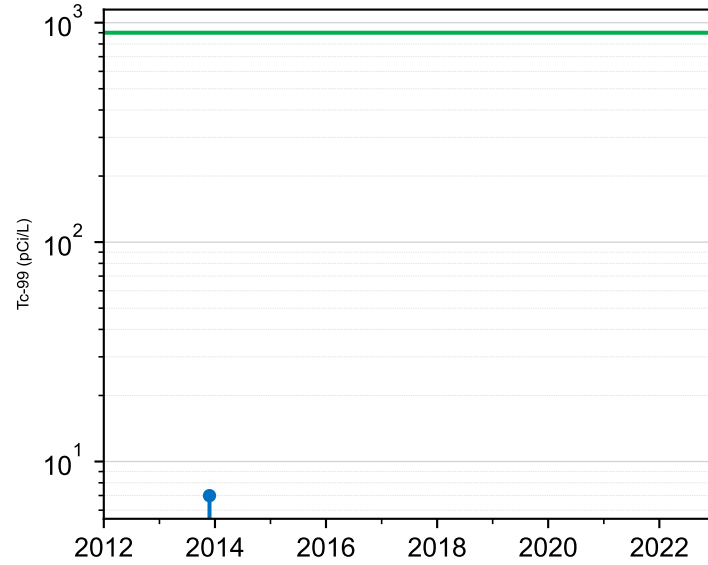
Technetium-99



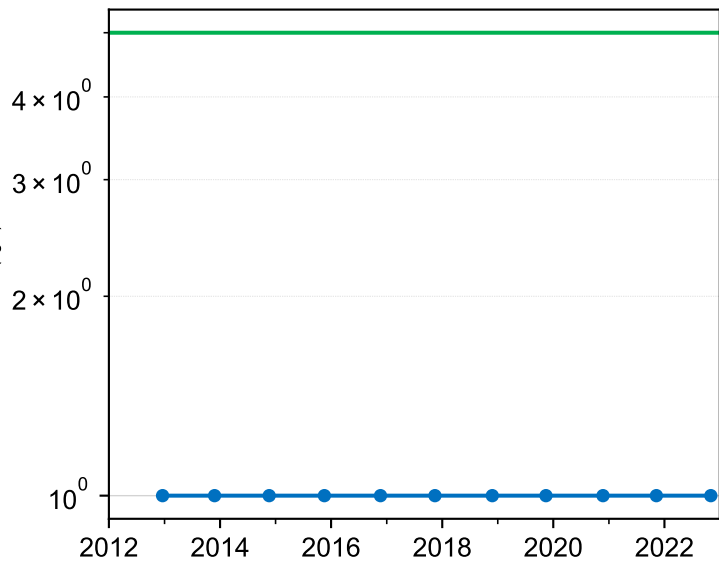
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/19/2012		1.0 U
11/26/2013	6.99 U	1.0 U
11/20/2014	-1.77 U	1.0 U
11/18/2015	-4.45 U	1.0 U
11/21/2016	-2.64 U	1.0 U
11/14/2017	-6.04 U	1.0 U
11/26/2018		1.0 U
11/14/2019		1.0 U
11/23/2020		1.0 U
11/09/2021		1.0 U
11/02/2022		1.0 U

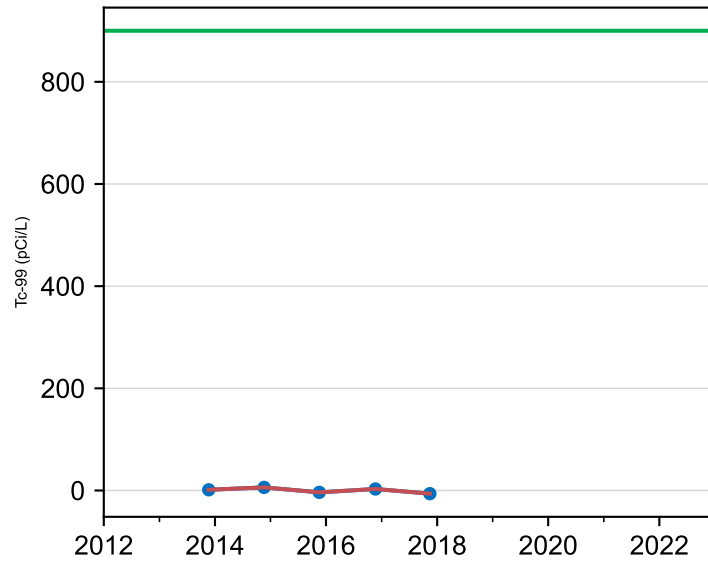
Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

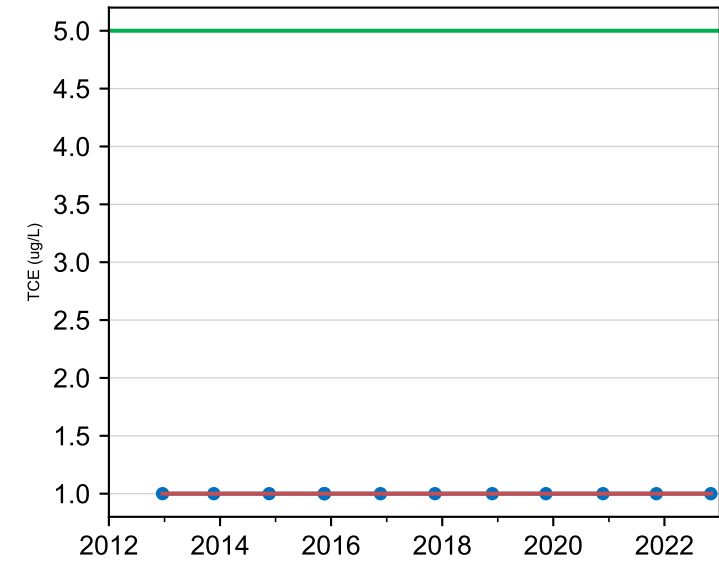
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Figure 312. Tc-99 and TCE at R9 (Unknown)

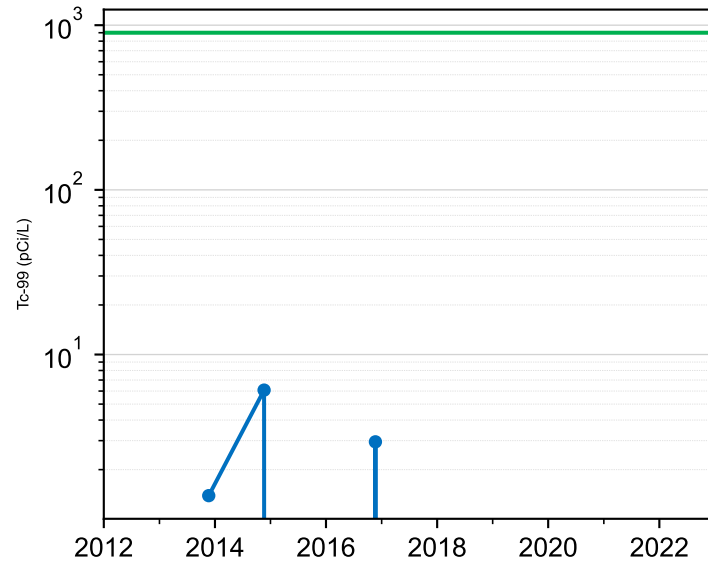
Technetium-99



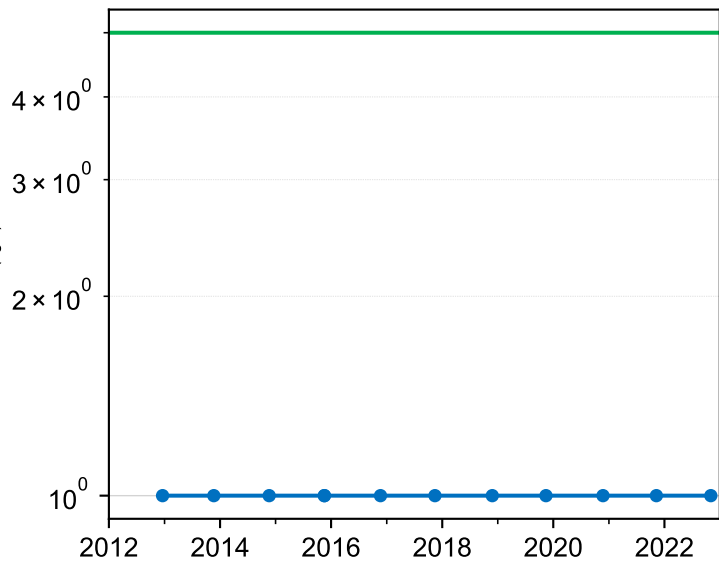
Trichloroethene



Technetium-99



Trichloroethene



Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
12/19/2012		1.0 U
11/21/2013	1.39 U	1.0 U
11/20/2014	6.08 U	1.0 U
11/18/2015	-3.63 U	1.0 U
11/21/2016	2.95 U	1.0 U
11/14/2017	-6.21 U	1.0 U
11/26/2018		1.0 U
11/14/2019		1.0 U
11/23/2020		1.0 U
11/09/2021		1.0 U
11/02/2022		1.0 U

Notes:
 1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
 2. J = Concentration is estimated.
 3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
 4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data
 — LOWESS
 — MCLs

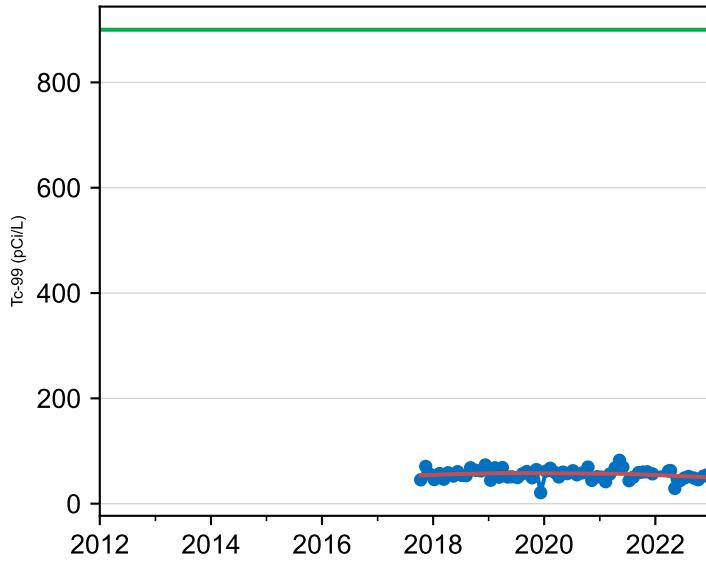
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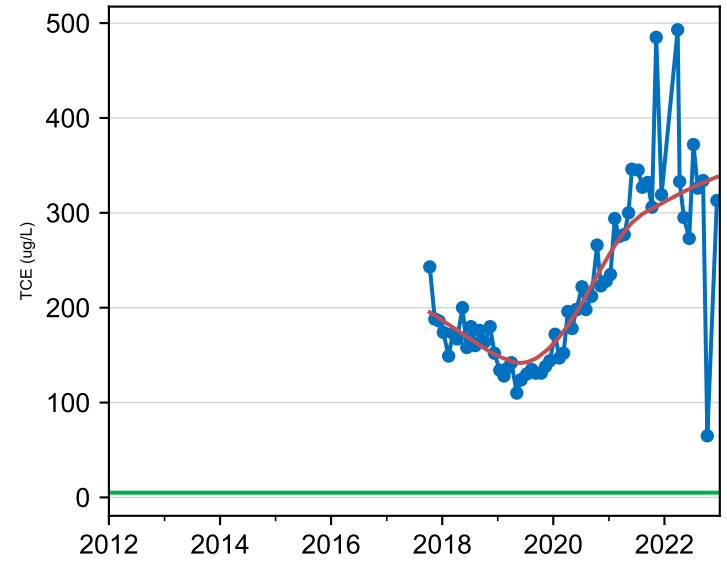
Figure 313. Tc-99 and TCE at R90 (Unknown)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
10/11/2017	45.3	243.0
11/13/2017	70.8	188.0
12/11/2017	55.9	186.0
01/08/2018	45.7	174.0
02/12/2018	57.1	149.0
03/12/2018	46.4	173.0
04/09/2018	58.7	167.0
05/14/2018	52.4	200.0
06/11/2018	60.7	158.0
07/09/2018	53.6	180.0
08/06/2018	53.2	160.0
09/04/2018	68.2	176.0
10/08/2018	63.3	164.0
11/12/2018	62.2	180.0
12/10/2018	73.5	152.0
01/14/2019	44.5	134.0
02/11/2019	68.2	128.0
03/11/2019	50.3	137.0
04/01/2019	68.6	142.0
05/06/2019	50.6	110.0
06/03/2019	51.0	124.0
07/10/2019	49.6	130.0
08/12/2019	56.9	135.0
09/09/2019	61.0	131.0
10/14/2019	49.2	131.0
11/11/2019	64.7	138.0
12/09/2019	20.9 U	144.0
01/13/2020	61.8	172.0
02/10/2020	67.3	147.0
03/09/2020	59.7	152.0
04/06/2020	50.7	196.0
05/04/2020	59.9	178.0
06/01/2020	57.1	198.0
07/08/2020	62.6	222.0
08/03/2020	54.8	196.0
09/09/2020	58.5	212.0
10/15/2020	69.5	266.0
11/09/2020	44.3	223.0
12/14/2020	51.2	228.0
01/11/2021	50.4	235.0
02/08/2021	41.7	294.0
03/08/2021	56.3	275.0
04/12/2021	68.0	277.0
05/10/2021	82.4	300.0
06/01/2021	69.5	346.0
07/12/2021	43.6	345.0
08/09/2021	50.3	327.0
09/13/2021	59.0	332.0
10/11/2021	60.0	306.0
11/08/2021	60.6	485.0
12/13/2021	56.6	319.0
03/29/2022	62.1	493.0
04/11/2022	62.9	333.0
05/09/2022	28.9	295.0
06/13/2022	43.9	273.0
07/11/2022	48.8	372.0
08/08/2022	51.7	326.0
09/12/2022	48.7	334.0
10/10/2022	45.4	64.9
11/14/2022	52.4	
12/12/2022	55.3	313.0

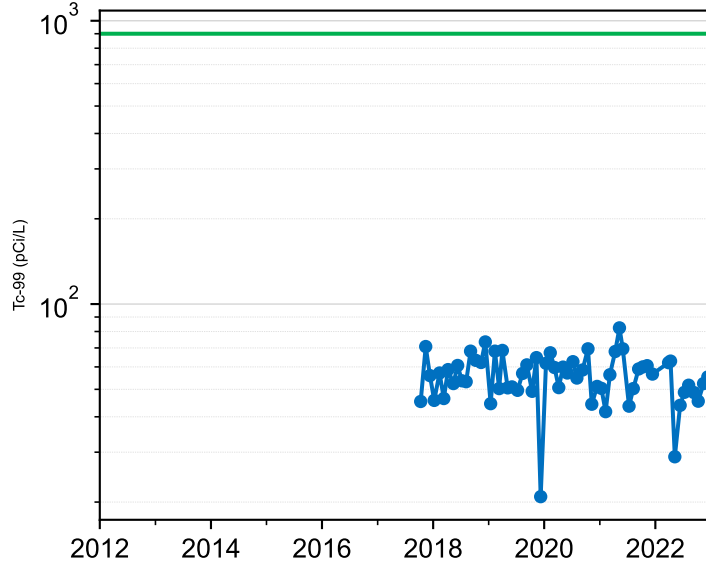
Technetium-99



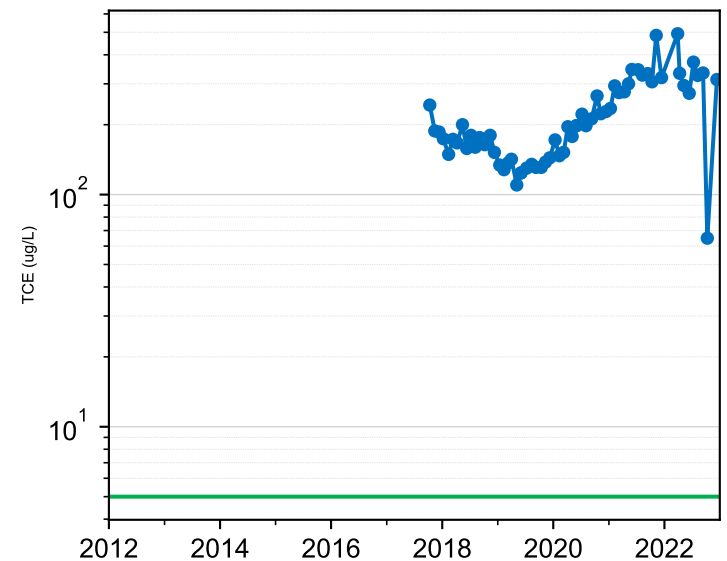
Trichloroethene



Technetium-99



Trichloroethene



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

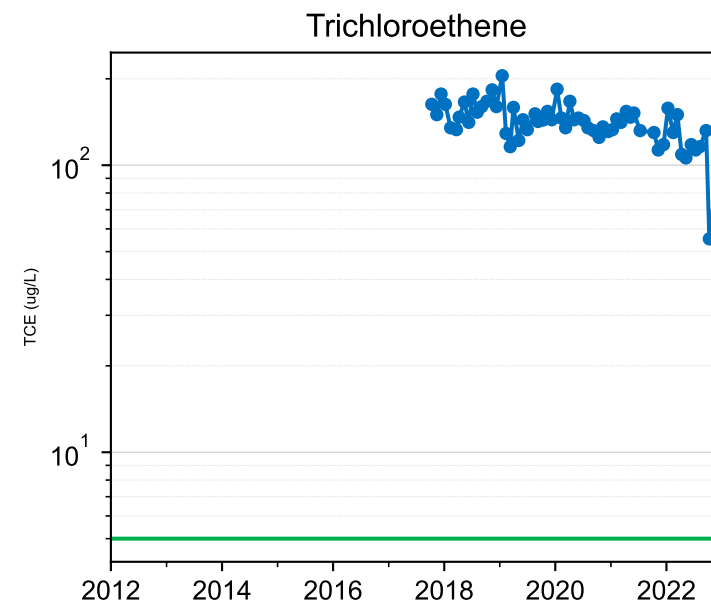
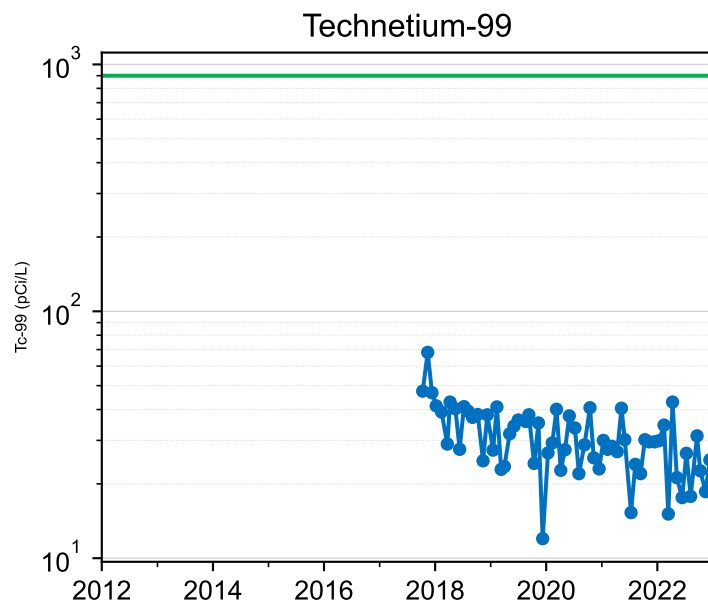
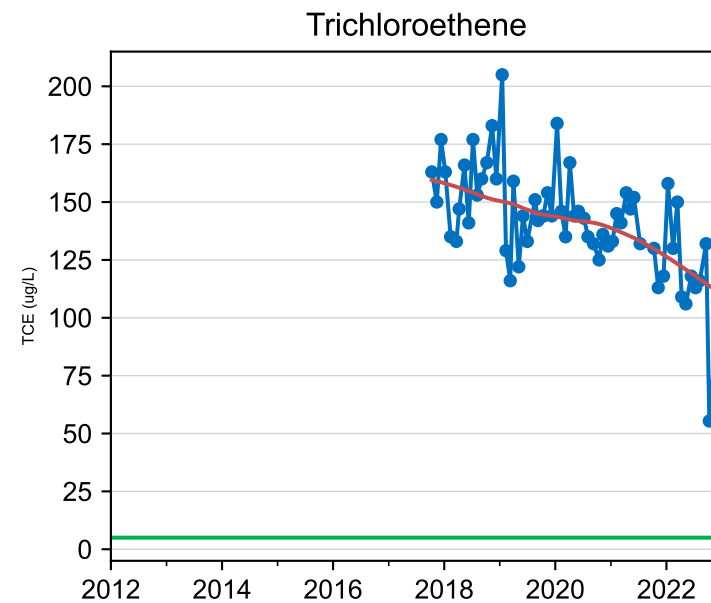
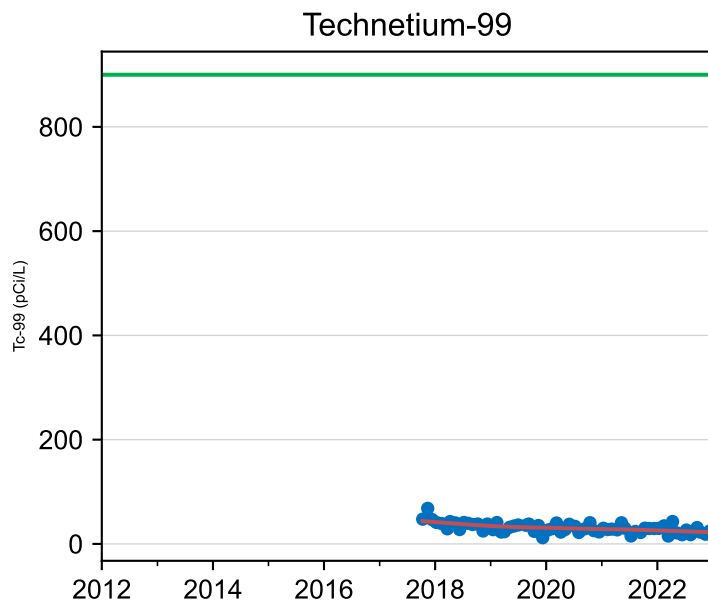
● Data — LOWESS
— MCLs

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Figure 314. Tc-99 and TCE at SP234(EW234) (RGA)

Sample Date	Technetium-99 (pCi/L)	Trichloroethene (ug/L)
10/11/2017	47.5	163.0
11/13/2017	68.2	150.0
12/11/2017	46.8	177.0
01/08/2018	41.4	163.0
02/12/2018	39.1	135.0
03/22/2018	29.0	133.0
04/09/2018	42.9	147.0
05/14/2018	40.3	166.0
06/11/2018	27.6	141.0
07/09/2018	41.1	177.0
08/06/2018	39.4	153.0
09/04/2018	37.2	160.0
10/08/2018	38.2	167.0
11/12/2018	24.8	183.0
12/10/2018	38.1	160.0
01/17/2019	27.4	205.0
02/11/2019	41.0	129.0
03/11/2019	22.9	116.0
04/01/2019	23.5	159.0
05/06/2019	31.9	122.0
06/03/2019	34.3	144.0
07/01/2019	36.3	133.0
08/21/2019	35.8	151.0
09/09/2019	38.1	142.0
10/14/2019	24.2	144.0
11/11/2019	35.3	154.0
12/09/2019	12.0 U	144.0
01/13/2020	26.7	184.0
02/10/2020	29.3	146.0
03/09/2020	40.1	135.0
04/06/2020	22.7	167.0
05/04/2020	27.5	144.0
06/01/2020	37.7	146.0
07/08/2020	33.7	143.0
08/03/2020	22.0	135.0
09/09/2020	28.8	132.0
10/15/2020	40.7	125.0
11/09/2020	25.5	136.0
12/14/2020	23.0	131.0
01/11/2021	30.0	133.0
02/08/2021	27.6	145.0
03/08/2021	28.4	141.0
04/12/2021	27.0	154.0
05/10/2021	40.5	147.0
06/01/2021	30.2	152.0
07/12/2021	15.3 U	132.0
08/09/2021	24.0	
09/13/2021	22.0	
10/11/2021	30.2	130.0
11/08/2021	29.6	113.0
12/13/2021	29.6	118.0
01/11/2022	29.9	158.0
02/14/2022	34.6	130.0
03/14/2022	15.1	150.0
04/11/2022	42.9	109.0
05/09/2022	21.2	106.0
06/13/2022	17.6 U	118.0
07/11/2022	26.6	
07/12/2022		113.0
08/08/2022	17.8 U	116.0
09/19/2022	31.3	132.0
10/10/2022	22.6	55.4
11/14/2022	18.6	
12/12/2022	25.0	106.0



Notes:

1. U = Compound analyzed for, but not detected at, or below, the lowest concentration reported.
2. J = Concentration is estimated.
3. UJ = Compound analyzed for, but is estimated to be not detected at, or below, the lowest concentration reported.
4. LOWESS stands for Locally Weighted Scatterplot Smoothing. A fraction of 0.5 was used, which affects how many points are considered to be local for each point.

● Data — LOWESS
— MCLs

U.S. DEPARTMENT OF ENERGY
 DOE PORTSMOUTH/PADUCAH PROJECT OFFICE
 PADUCAH GASEOUS DIFFUSION PLANT


FOUR RIVERS
 NUCLEAR PARTNERSHIP, LLC

Figure 315. Tc-99 and TCE at SP235(EW235) (RGA)