

Table 1: Nov-Dec 2024 – OU2 GWTP Statistics

Month	Volume Treated (gallons)	Temporal Average Flow Rate (gallons per minute)	Percent of Time Online	COC Mass Removed (pounds)
Nov 2024	37,262,623	863	98	1.5
Dec 2024	32,859,889	736	93	1.5
Total since October 1995	10.251 billion			1,000

Table 2: Nov-Dec 2024 – Treated Water Reuse

Month	Volume Used (gallons)	Use
Nov 2024	700	Landfills
Dec 2024	0	
Total since October 2016	4.382 million	

Remedial Summary

- **11 COCs:** 1,1-DCA; 1,2-DCA; 1,2-DCPA; benzene; CT; chloroform; cis-1,2-DCE; methylene chloride; PCE; TCE; and VC. Metals monitored annually near OU2 Landfills.
- **Remediation:** Pump and treat with GAC in the A-Aquifer and Upper 180-Foot Aquifer since 1995. Extraction wells added in 2000 and 2007. OU2 GWTP relocated from the western network area to OU2 Landfills, extraction wells added in 2018.
- **Monitoring:** Quarterly groundwater monitoring and reporting, including annual 3Q monitoring and reports. Described in the most recent Groundwater QAPP.

Recent Key Events

- Dec 9: EW-OU2-02-180R offline due to failed pump.
- Dec 11-12: GWTP offline 24 hours due to PG&E transformer shut down. Transformer replaced.
- Dec 14-16: GWTP offline 26 hours due to regional windstorm power outages.
- Dec 19: EW-OU2-19-A offline due to faulty leak detector.

Future Key Events

- Feb 10: First Quarter 2025 GWMP Event.
- Feb: Restart EW-OU2-04-A after pump replacement.
- Feb: Redevelop one monitoring well (MW-OU2-51-180), two injection wells (IW-OU2-04-180 and IW-OU2-05-180), and five extraction wells (EW-OU2-04-A, EW-OU2-09-A, EW-OU2-16-A, EW-OU2-18-A, and EW-OU2-19-A).
- Restart EW-OU2-17-A after transducer repair/replace.
- Restart EW-OU2-19-A after leak detector repair/replace.
- Restart EW-OU2-02-180R after pump replacement.
- Decommission MW-OU2-37-A and MW-OU2-37-180.
- Continue to work with City of Marina on Imjin Pkwy widening construction around Army infrastructure.

Dec 2024 OU2 Treated Water at TS-OU2-INJ-01 did not exceed discharge limits.



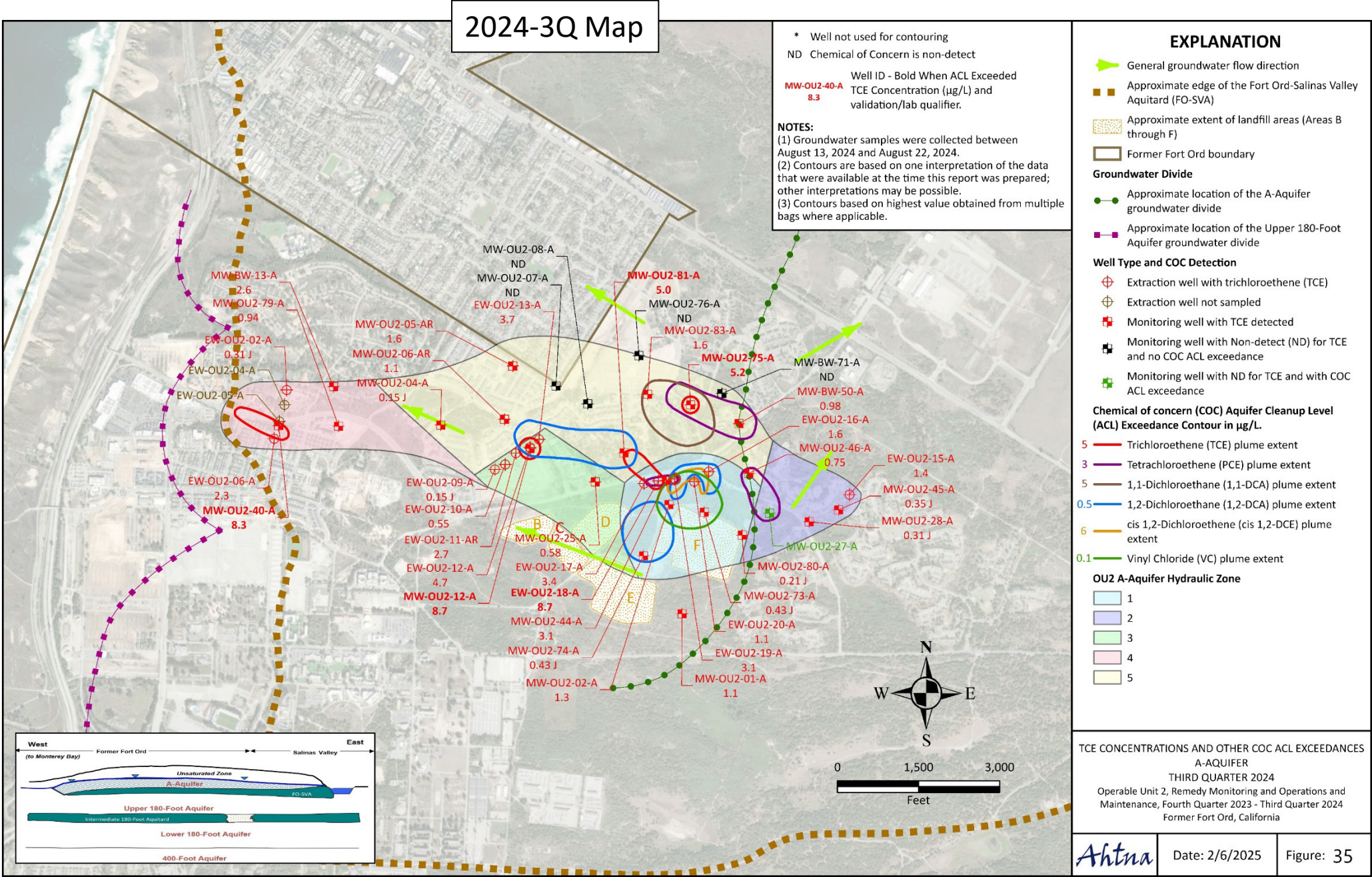


Table 3. Fourth Quarter 2024 OU2 A-Aquifer

Well ID	Station	Sampled	11DCA	12DCA	ChI	cis12DCE	PCE	TCE	VC
ACL:			5	0.5	2	6	3	5	0.1
EW-OU2-02-A	-	11/12/2024*	0.68	ND	0.17J	ND	ND	0.41J	ND
EW-OU2-06-A	-	11/12/2024*	0.24J	ND	0.36J	0.74	0.29J	3	ND
EW-OU2-09-A	-	11/12/2024*	ND	0.11J	ND	0.12J	0.24J	0.21J	ND
EW-OU2-10-A	-	11/12/2024*	0.15J	0.37J	ND	0.84	0.5	0.67	0.056J
EW-OU2-11-AR	-	11/12/2024*	4.0	0.40J	0.56	1.5	1.7	3.1	ND
EW-OU2-12-A	-	11/12/2024*	1.6	0.99	0.41J	3.0	2.0	5.3	ND
EW-OU2-13-A	-	11/12/2024*	0.69	2.5	0.39J	1.5	1.5	4.3	ND
EW-OU2-15-A	6	11/20/2024	ND	ND	0.23J	ND	ND	1.5	ND
EW-OU2-16-A	-	11/13/2024	3.5	1.1	0.19J	6	1.5	1.8	0.3
EW-OU2-17-A	-	11/12/2024*	0.37	0.57	0.52	0.34J	2.6	3.9	ND
EW-OU2-18-A	-	11/12/2024*	1.9	0.36J	0.46J	1.0	3.3	8.7	0.089
EW-OU2-19-A	-	11/12/2024*	5.1	1.0	ND	7.0	3.0	3.3	0.71
EW-OU2-20-A	-	11/12/2024*	2.7	0.45J	ND	5.0	1.2	1.2	0.44
MW-BW-13-A	6	11/20/2024	4.2	0.10J	0.90	0.40J	1.1	4.5	ND
MW-BW-50-A	5	11/22/2024	1.5	ND	1.3	ND	5.4	1.1	ND
MW-BW-71-A	4	11/22/2024	ND	ND	0.16J	ND	0.16J	ND	ND
MW-OU2-01-A	6	12/4/2024	ND	ND	ND	ND	ND	1.1J+	ND
MW-OU2-02-A	4	11/19/2024	1.5	0.33J	ND	2.7	2.8	2.8	3.6
MW-OU2-04-A	4	11/20/2024	ND	ND	ND	ND	0.12J	0.25J	ND
MW-OU2-05-AR	6	11/19/2024	1.5	ND	0.25J	0.24J	ND	1.4	ND
MW-OU2-06-AR	6	11/19/2024	ND	ND	0.24J	ND	ND	0.81	ND
MW-OU2-07-A	5	11/18/2024	5.0	0.48J	0.87	ND	ND	ND	ND
MW-OU2-08-A	6	11/20/2024	23.8	3.1	2.9	13.1	10.7	11.6	0.33
MW-OU2-12-A	4	11/19/2024	0.89	0.38J	0.26J	1.6	ND	3	ND
MW-OU2-25-A	5	11/20/2024	ND	0.2J	ND	0.63	0.33J	0.4J	ND
MW-OU2-27-A	5	11/20/2024	0.23J	ND	0.7	ND	2.9	ND	ND
MW-OU2-28-A	3	11/20/2024	0.11J	ND	0.39J	ND	0.68	0.15J	ND
MW-OU2-40-A	3	11/19/2024	0.46J	ND	0.69	1.5	0.38J	8.4	ND
MW-OU2-44-A	6	11/20/2024	1.8	0.33J	0.17J	1.1	1.8	3.6	ND
MW-OU2-45-A	3	11/20/2024	ND	ND	0.31J	ND	0.6	0.4J	ND
MW-OU2-46-A	6	11/20/2024	1.2	ND	1.3	ND	3.3	0.66	ND

Well ID	Station	Sampled	11DCA	12DCA	ChI	cis12DCE	PCE	TCE	VC
ACL:			5	0.5	2	6	3	5	0.1
MW-OU2-73-A	6	11/19/2024	1.7	0.21J	ND	2.6	1.7	0.39J	1.2
MW-OU2-74-A	5	11/19/2024	ND	0.51	ND	0.49J	0.52	0.3J	ND
MW-OU2-75-A	3	11/20/2024	5.3	0.11J	3.4	0.29J	5.9	5	ND
MW-OU2-76-A	6	11/20/2024	0.6	ND	0.31J	ND	ND	ND	ND
MW-OU2-79-A	6	11/19/2024	ND	ND	ND	0.18J	0.17J	1.4	ND
MW-OU2-80-A	5	11/19/2024	0.26J	ND	0.13J	ND	2.1	0.27J	ND
MW-OU2-81-A	5	11/20/2024	0.65	2.0	0.63	1.3	2.9	7.5	ND
MW-OU2-83-A	6	11/20/2024	8	0.48J	0.56	4.2	2.1	2.5	0.17

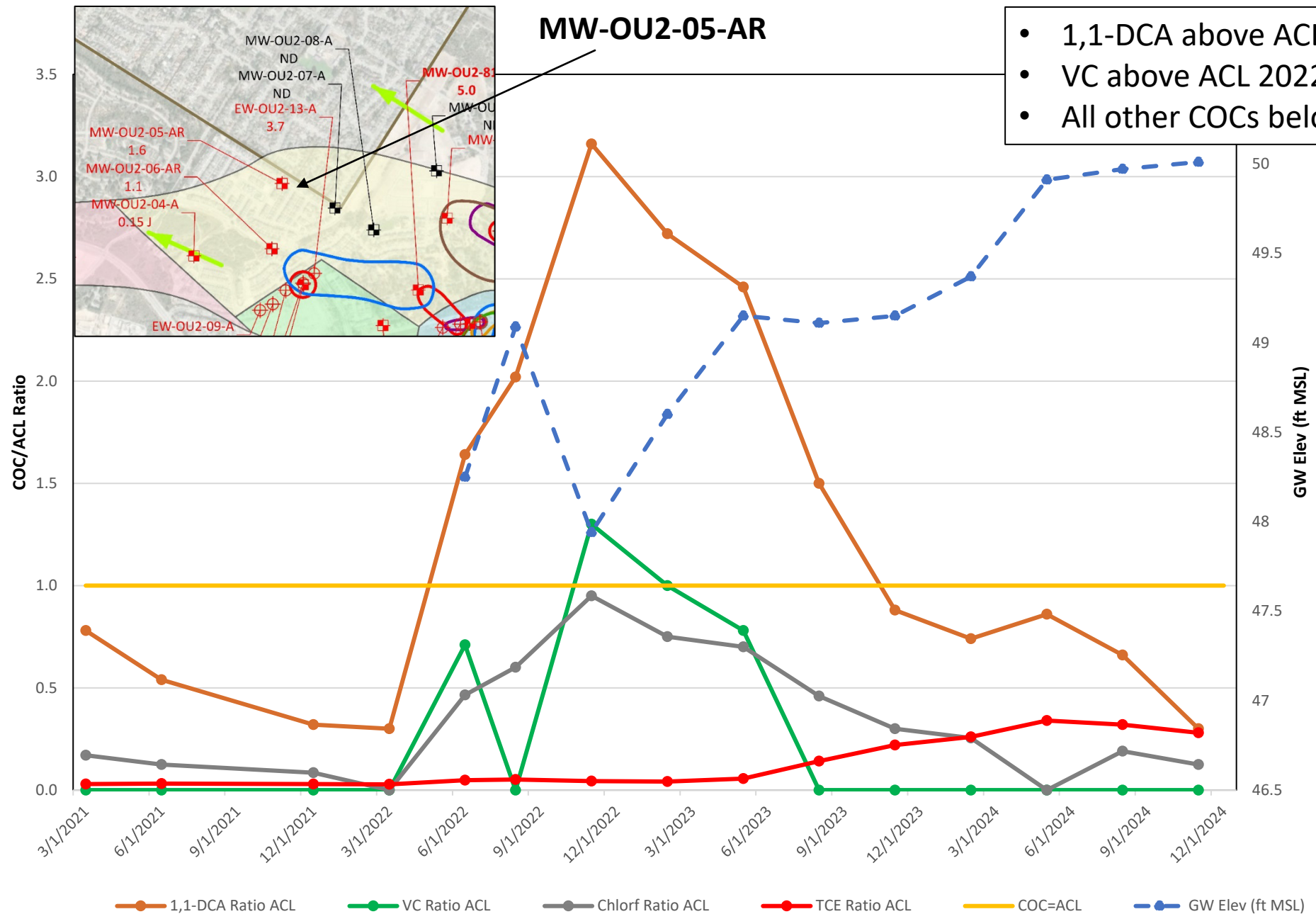
Notes:

- *Preliminary data
- Results in micrograms per liter by EPA Method 8260-SIM
- J: estimated detection below the limit of quantitation and above the limit of detection
- ND: not detected above the limit of detection

Analytes:

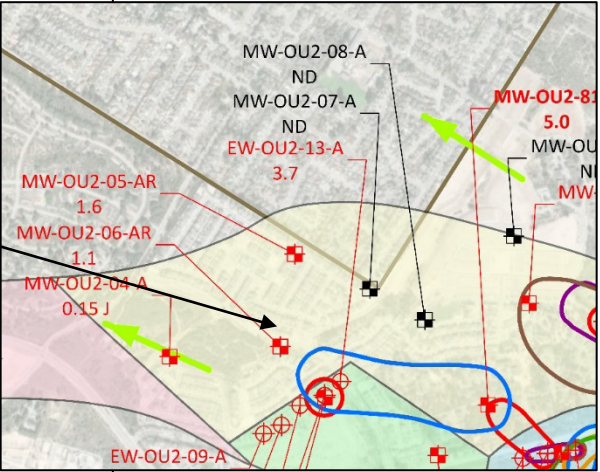
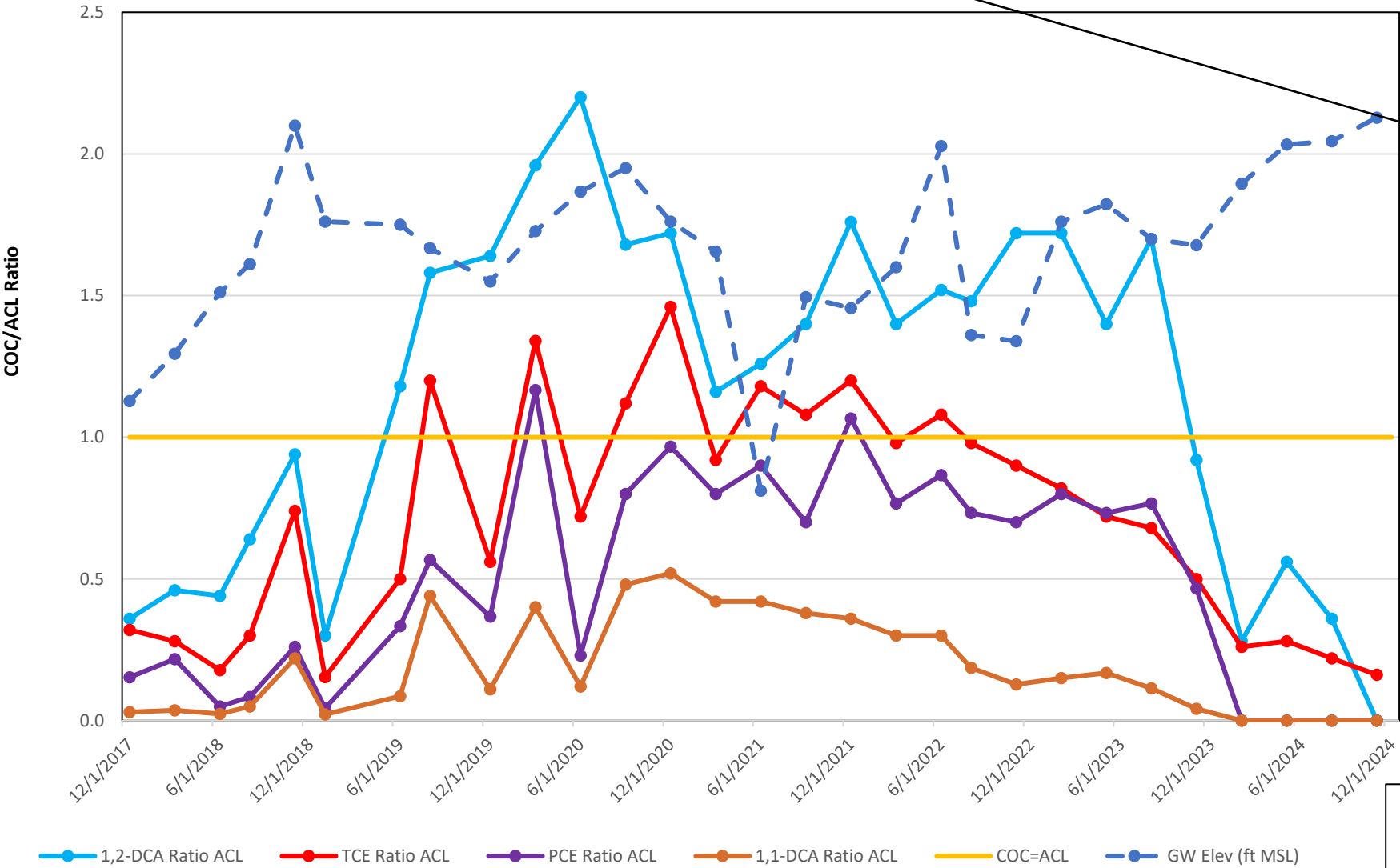
- 11DCA: 1,1-dichloroethane
- 12DCA: 1,2-dichloroethane
- ChI: chloroform
- cis12DCE: cis-1,2-dichloroethane
- PCE: tetrachloroethene
- TCE: trichloroethene
- VC: vinyl chloride

 Increase in concentration

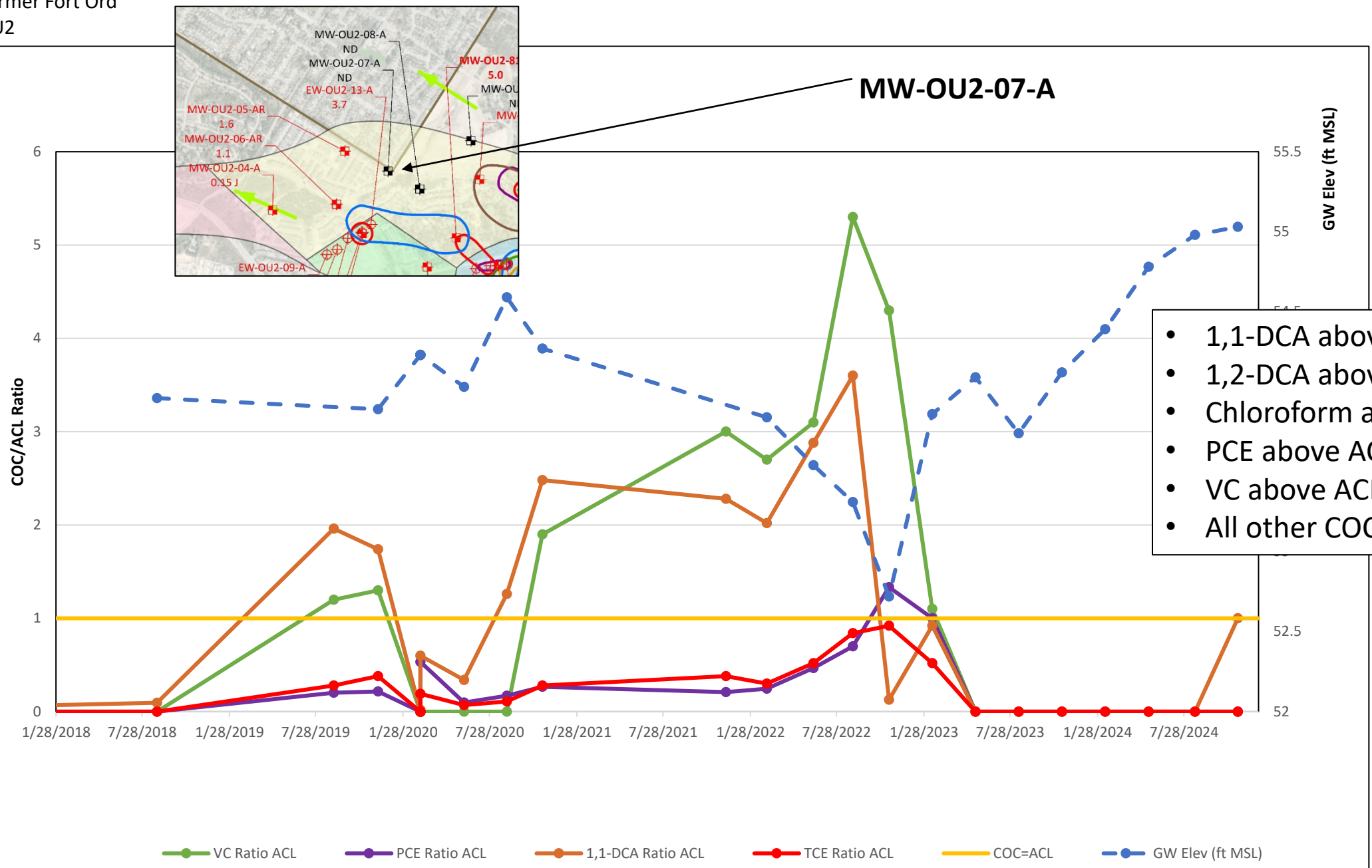


- 1,1-DCA above ACL 2022-2023
- VC above ACL 2022-2023
- All other COCs below ACL/ND

MW-OU2-06-AR

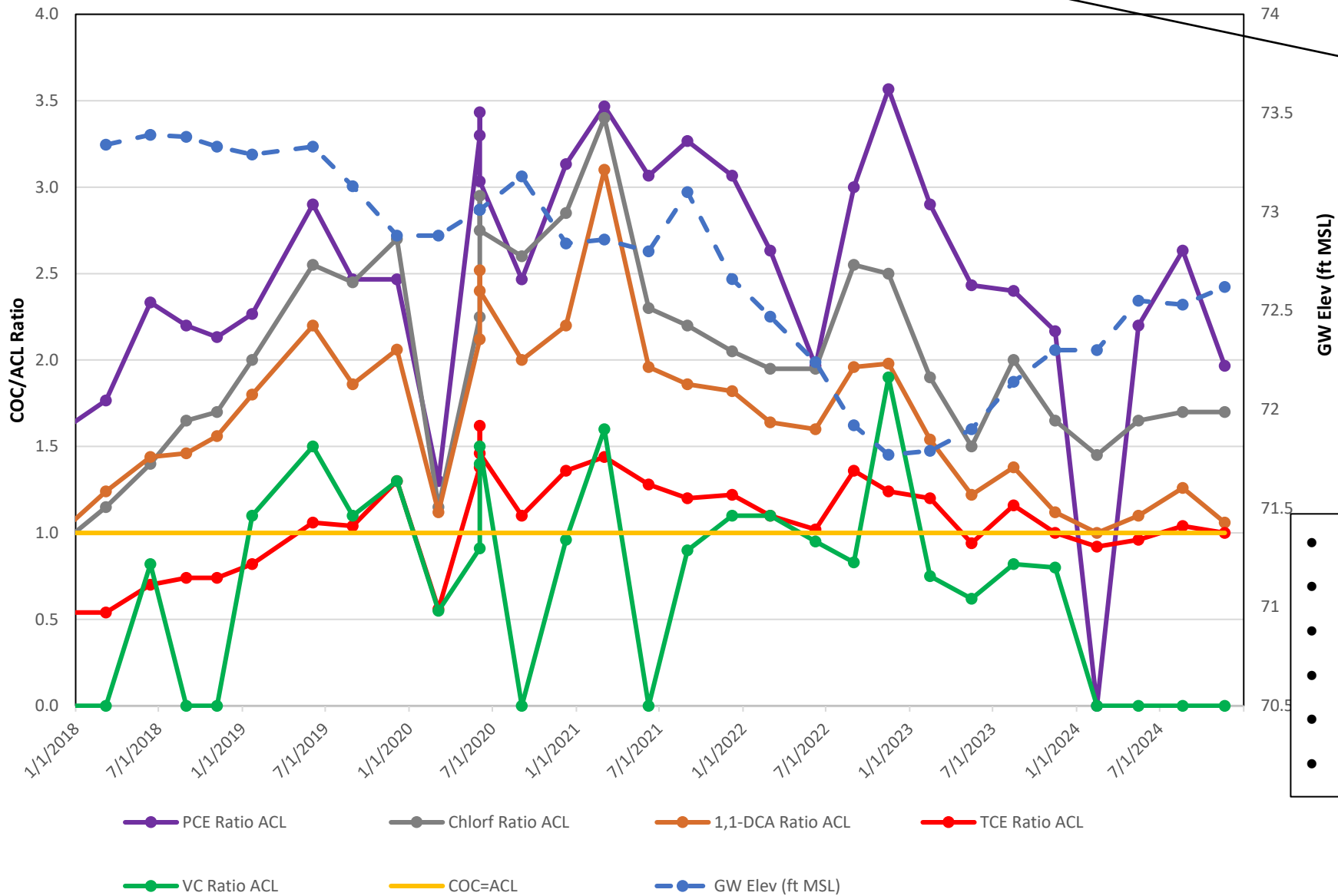


- 1,2-DCA above ACL 2019-2023
- PCE above ACL 2020
- TCE above ACL 2019-2022
- All other COCs below ACL/ND

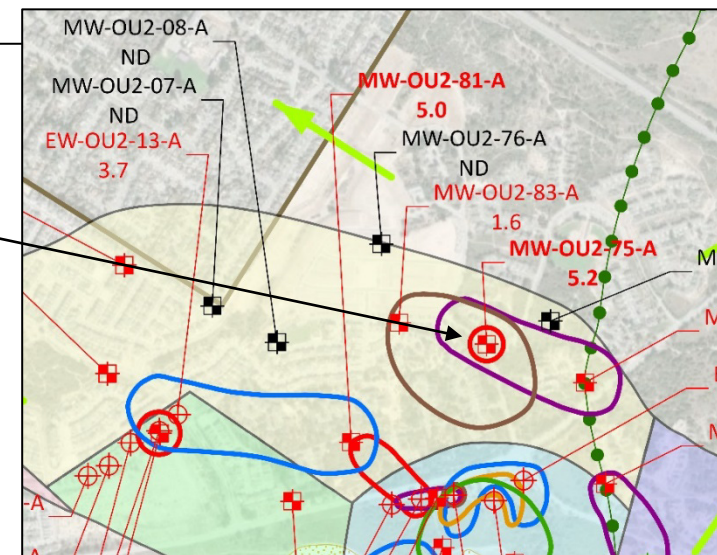


- 1,1-DCA above ACL 2019-2022
- 1,2-DCA above ACL 2021-2022
- Chloroform above ACL 2022
- PCE above ACL 2022
- VC above ACL 2019-2022
- All other COCs below ACL/ND

MW-OU2-75-A

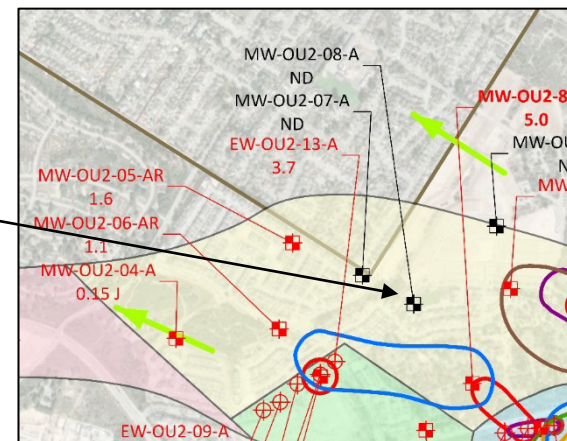
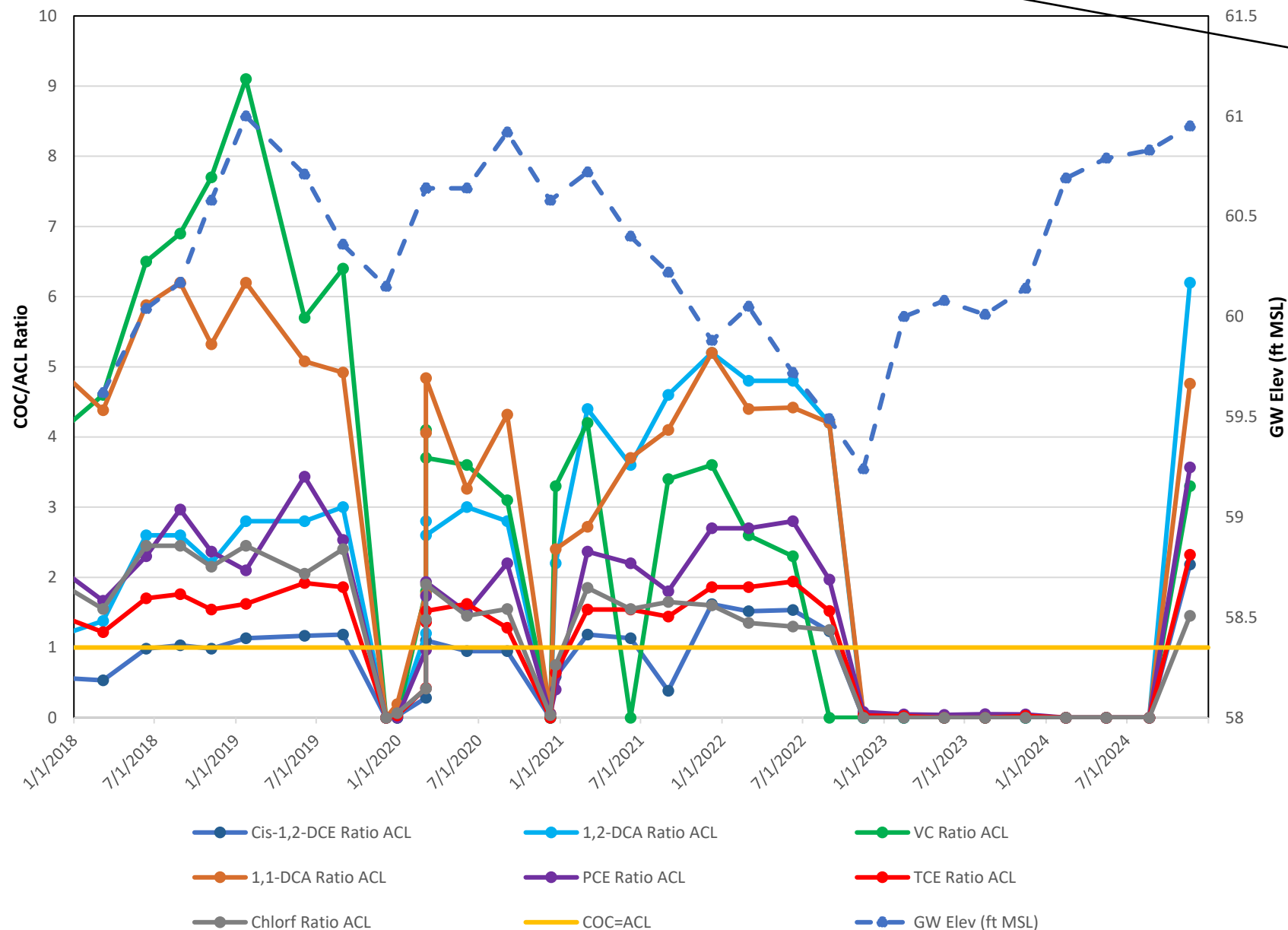


GW Elev (ft MSL)



- 1,1-DCA above ACL 2017-now
- Chloroform above ACL 2018-now
- PCE above ACL 2017-now
- TCE above ACL 2019-2024
- VC above ACL 2019-2022
- All other COCs below ACL/ND

MW-OU2-08-A



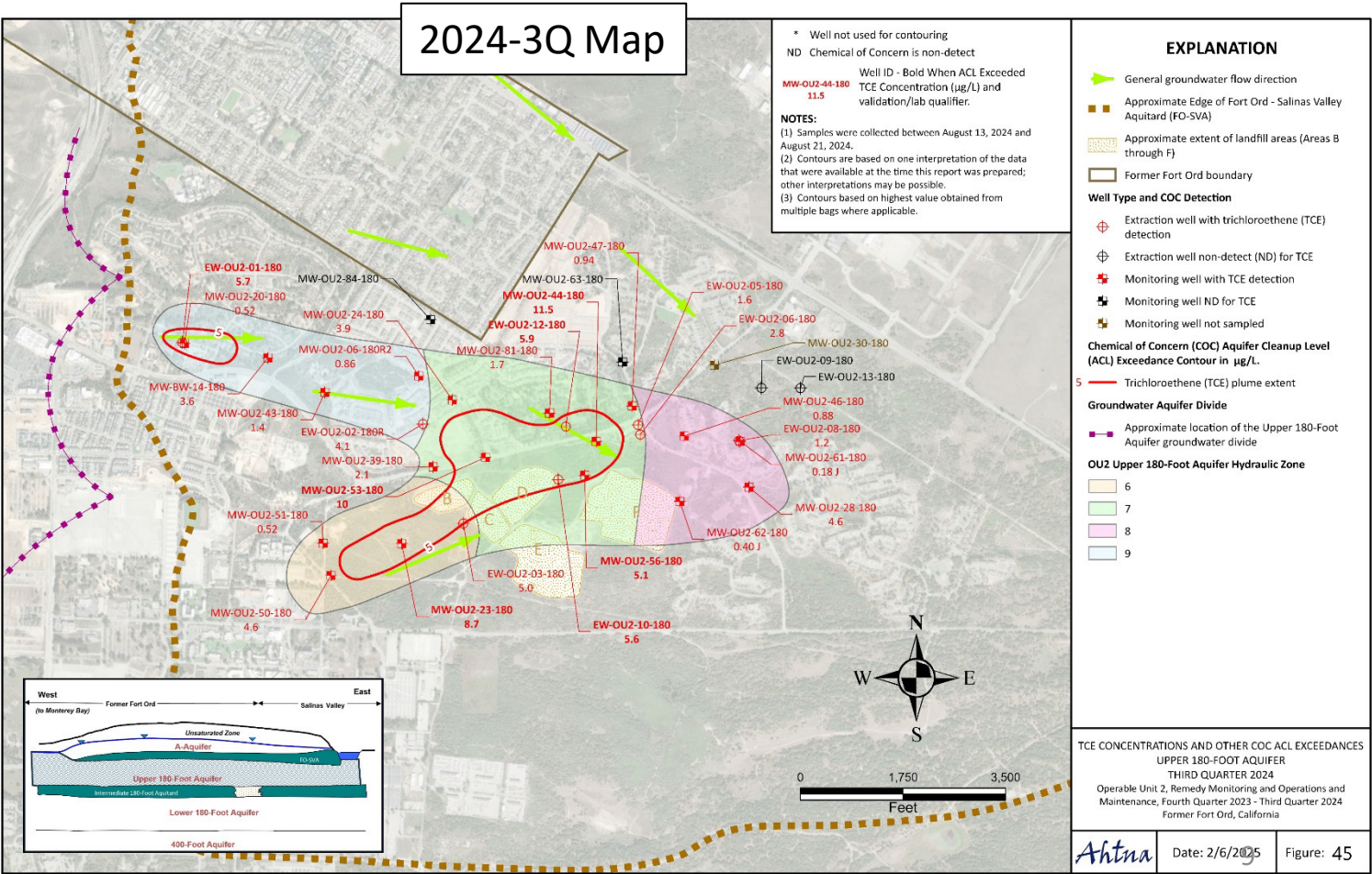
- 1,1-DCA above ACL 2015-2022
- 1,2-DCA above ACL 2016-2022
- Chloroform above ACL 2016-2022
- Cis-1,2-DCE above ACL 2018-2022
- PCE above ACL 2016-2022
- TCE above ACL 2017-2022
- VC above ACL 2016-2022
- All COCs mentioned above ACL 2024-4Q
- New max in 2024-4Q: 1,2-DCA; cis-1,2-DCE; PCE; and TCE
- All other COCs below ACL/ND

Table 4. Fourth Quarter 2024 OU2 Upper 180-Foot Aquifer TCE

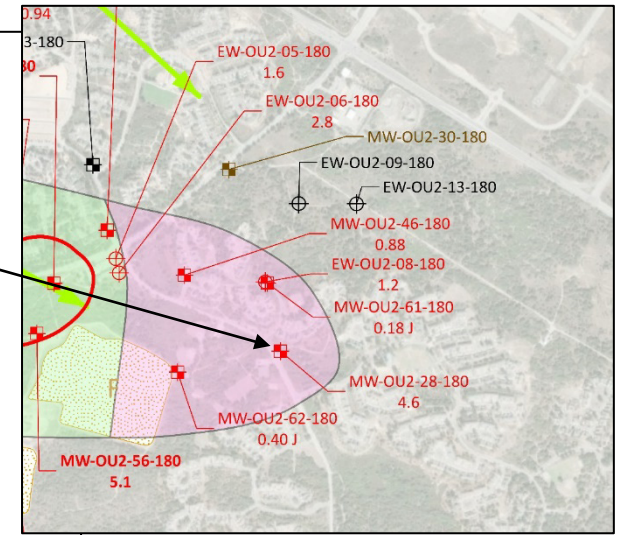
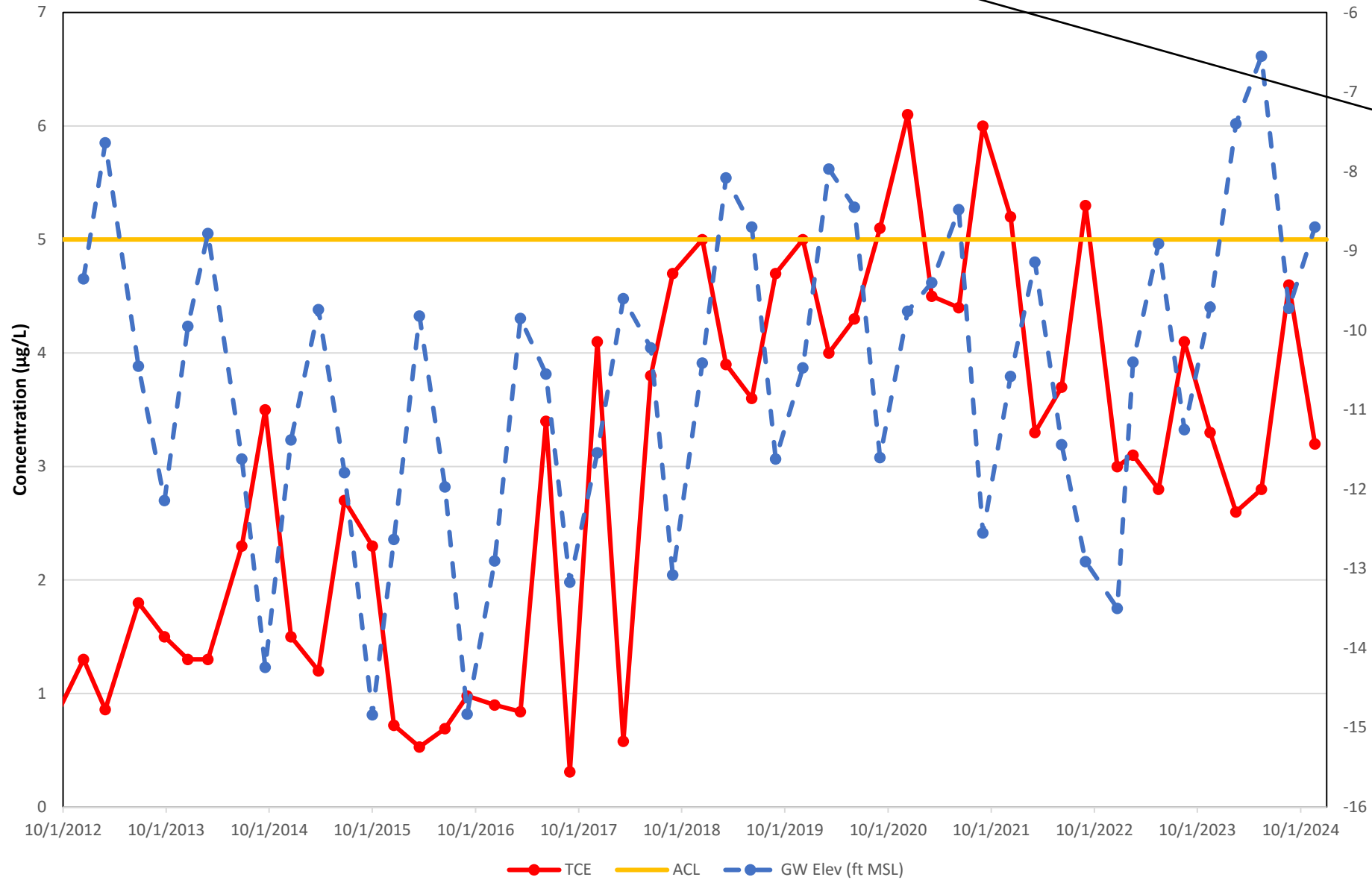
Well ID	Station	Sampled	TCE
EW-OU2-01-180	3	11/21/2024	8.5
EW-OU2-02-180R	-	11/12/2024*	4.8
EW-OU2-03-180	-	11/13/2024	6.5
EW-OU2-05-180	-	11/13/2024	1.6
EW-OU2-06-180	-	11/13/2024	2.8
EW-OU2-08-180	-	12/11/2024	0.87
EW-OU2-09-180	1	12/2/2024	ND
EW-OU2-10-180	-	11/13/2024	6.6
EW-OU2-12-180	-	11/12/2024*	7.8
EW-OU2-13-180	-	12/11/2024	ND
MW-BW-14-180	1	11/20/2024	4.5
MW-OU2-06-180R2	3	11/19/2024	0.56
MW-OU2-20-180	2	11/21/2024	0.55
MW-OU2-23-180	2	11/19/2024	11.1
MW-OU2-24-180	5	11/19/2024	4.5
MW-OU2-28-180	3	11/20/2024	3.2
MW-OU2-39-180	4	12/2/2024	1.1J+
MW-OU2-43-180	3	11/19/2024	3.2
MW-OU2-44-180	2	11/20/2024	12.4
MW-OU2-46-180	5	11/20/2024	3.9
MW-OU2-47-180	2	11/20/2024	0.87
MW-OU2-50-180	2	11/21/2024	6.6
MW-OU2-51-180	5	11/19/2024	0.63
MW-OU2-53-180	5	11/19/2024	12.3
MW-OU2-56-180	2	11/19/2024	6
MW-OU2-61-180	3	11/20/2024	0.55
MW-OU2-62-180	3	12/4/2024	0.94
MW-OU2-81-180	4	11/20/2024	3.7
MW-OU2-84-180	1	11/19/2024	ND

- Notes:
- * Preliminary data
 - Results in micrograms per liter by EPA Method 8260-SIM
 - J: estimated detection below the limit of quantitation and above the limit of detection
 - ND: not detected above the limit of detection
 - TCE: trichloroethene

Increase in concentration

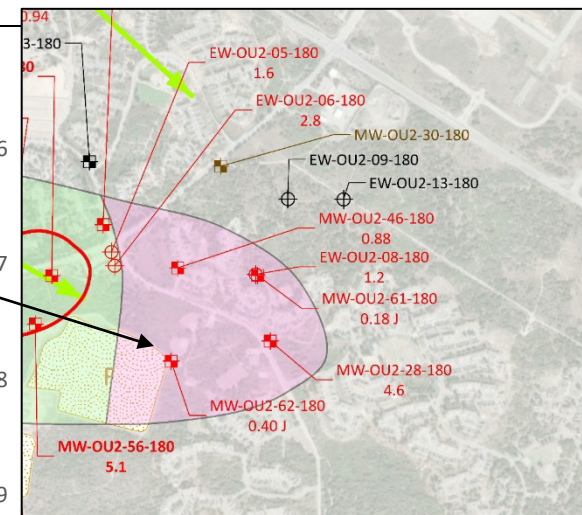
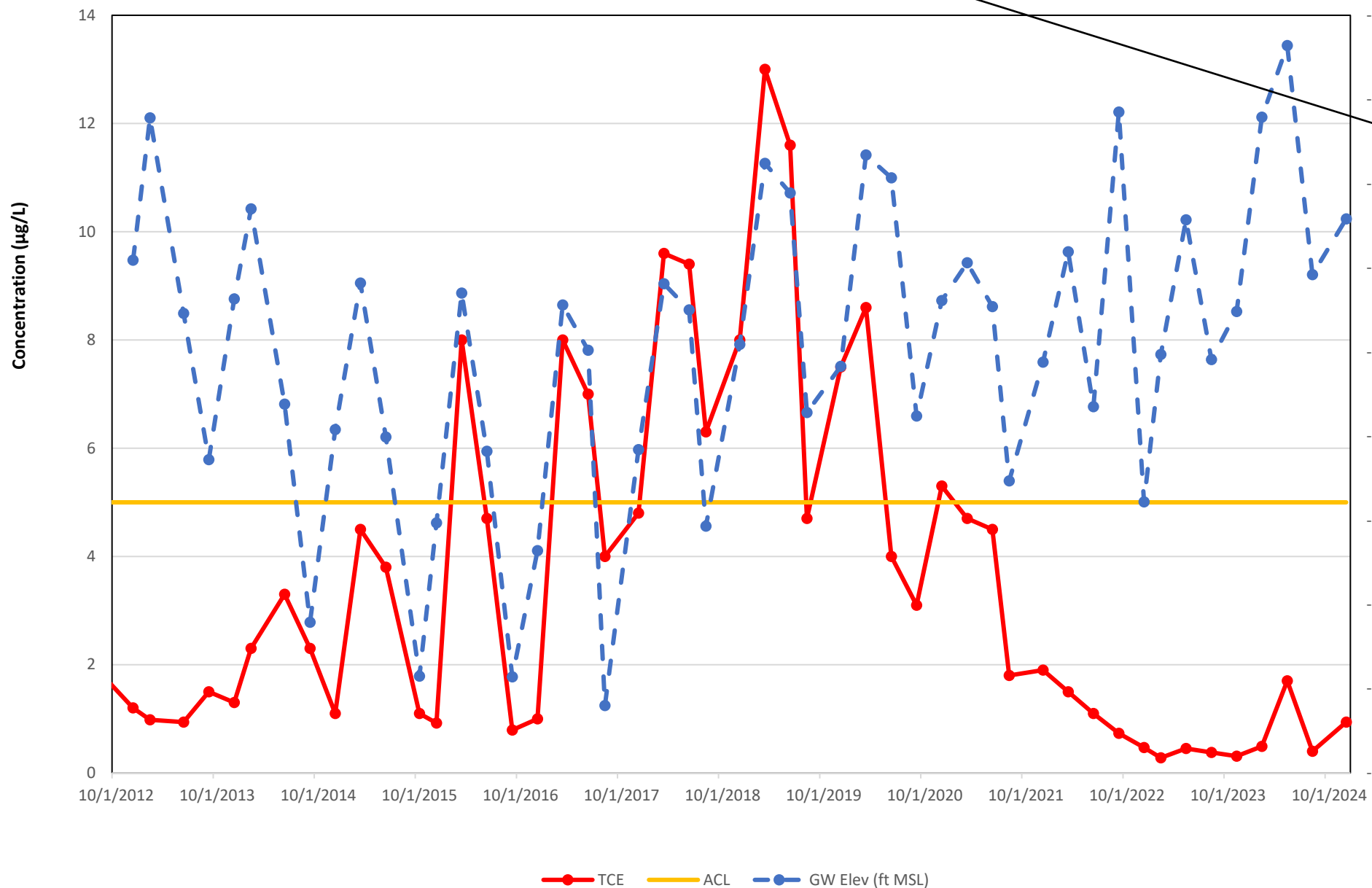


MW-OU2-28-180



TCE intermittently
above ACL 2020-2022

MW-OU2-62-180



GW Elev (ft MSL)

TCE intermittently
above ACL 2016-2020