

Operable Unit 2 Data and Status

Table 1: May-June 2022 – OU2 GWTP Statistics

Monthly Statistics	Volume Treated (gallons)	Average Flow (gallons per minute)	Percent of Time Online	COC Mass Removed (pounds)
May 2022	39,413,995	883	100	2.6
Jun 2022	41,806,099	968	99.9	2.7
Total since October 1995	9.055 billion			942

Table 2: May-Jun 2022 – OU2 Analytical Results at TS-OU2-INJ-01

COC	Discharge Limit (µg/L)	Analytical Results (µg/L)
		6/21/2022 [^]
1,1-dichloroethane (1,1-DCA)	5.0*	ND (0.25)
1,2-dichloroethane (1,2-DCA)	0.5	ND (0.25)
1,2-dichloropropane (1,2-DCP)	0.5	ND (0.25)
Benzene	0.5	ND (0.25)
Carbon tetrachloride (CT)	0.5	ND (0.25)
Chloroform	2.0*	ND (0.25)
Cis-1,2-dichloroethene (cis-1,2-DCE)	6.0*	ND (0.25)
Methylene Chloride	0.5	ND (0.50)
Tetrachloroethene (PCE)	0.5	ND (0.25)
Trichloroethene (TCE)	0.5	ND (0.25)
Vinyl chloride (VC)	0.1	ND (0.10)

Notes:

COC: chemical of concern

µg/L: micrograms per liter

ND: The analyte was not detected above the limit of detection (LOD).

NS: not sampled.

J: Estimated results below the limit of quantitation (LOQ).

TS-OU2-INJ: Injection point of compliance, the OU2 effluent pipeline.

*Discharge limits for low carbon affinity compounds were increased to the Aquifer Cleanup Level (ACL).

Results in *italics* are above the discharge limit, and results in **bold** and shaded are concentrations above the ACL

Results in *gray* are ND

[^] Preliminary data

May-June Key Events

- May 10: Replaced failed transducer at EW-OU2-16-A.
- May 23-26: Redeveloped EW-OU2-16-A, offline for 48 hours.
- June 4: Power outage caused OU2 GWTP to shut down for 1 hour.
- June 6-10: Second Quarter 2022 Groundwater Monitoring event. Sampled MW-OU2-04-A on Jun 28.
- June 16: OU2 GAC change-out of primary vessels 1C and 2C.
- June 23: VFD faults caused three wells to be offline: EW-OU2-03-180 for 13 hours, EW-OU2-10-180 for 13 hours, and EW-OU2-19-A for 19 hours.
- June 24: Lost communication with the western network, wells remain online.
- June 28: Installed VFD at EW-OU2-08-180, offline for 7 hours.

Future Key Events

- Aug 29-Sept 2: Third Quarter 2022 Groundwater Monitoring event.
- Repair and restart EW-OU2-05-A (downhole wiring or pump issue).



Table 3. OU2 A-Aquifer Select Extraction/Monitoring Well Data

OU2 Hydraulic Zone ¹	Well Identification ²	Select COC Concentrations (µg/L)									
		1Q 2022					2Q 2022*				
		TCE	PCE	1,1-DCA	1,2-DCA	VC	TCE	PCE	1,1-DCA	1,2-DCA	VC
ACL:		5	3	5	0.5	0.1	5	3	5	0.5	0.1
1	EW-OU2-16-A	2.6	1.8	5.3	2.0	0.65	2.3	1.6	4.5	1.6	0.46
1	EW-OU2-17-A	6.9	4.3	0.81	0.29 J	ND (0.10)	6.8	4.7	0.66	0.32 J	ND (0.10)
1	EW-OU2-18-A	10.3	4.5	3.7	0.66	0.25	11.3	5.1	3.5	0.72	0.22
1	EW-OU2-19-A	4.2	4.1	8.3	1.3	1.1	4.4	4.4	7.6	1.5	0.80
1	EW-OU2-20-A	1.4	1.2	4.0	0.59	0.71	1.5	1.3	3.7	0.65	0.59
1	MW-OU2-02-A	0.38 J	0.43 J	3.3	0.76	7.3	1.3	3.5	3.7	0.79	6.2
1	MW-OU2-44-A	4.3	3.9	7.9	2.0	ND (0.10)	4.1	3.3	6.5	1.6	ND (0.10)
1	MW-OU2-73-A	0.43 J	1.5	3.2	0.45 J	3.5	0.41 J	1.4	3.0	0.40 J	2.7
2	EW-OU2-15-A	1.4	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.10)	1.6	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.10)
2	MW-OU2-27-A	ND (0.25)	3.1	0.26 J	ND (0.25)	ND (0.10)	0.12 J	3.6	0.30 J	ND (0.25)	ND (0.10)
3	EW-OU2-09-A	0.17 J	0.22 J	ND (0.25)	0.13 J	ND (0.10)	0.19 J	0.27 J	ND (0.25)	0.15 J	ND (0.10)
3	EW-OU2-10-A	0.99	0.66	0.28 J	0.52	0.106 J	1.0	0.74	0.25 J	0.54	0.061 J
3	EW-OU2-11-AR	2.1	0.82	2.2	0.30 J	ND (0.10)	2.3	0.98	2.2	0.32 J	ND (0.10)
3	EW-OU2-12-A	5.1	3.0	2.8	1.5	ND (0.10)	6.3	3.8	3.1	1.7	0.058 J
3	EW-OU2-13-A	5.3	1.8	0.94	3.3	ND (0.10)	6.0	2.0	ND (0.25)	3.8	ND (0.10)
3	MW-OU2-12-A	12.4	6.8	11.5	2.8	0.16	13.1	6.8	11.6	2.9	0.18
3	MW-OU2-25-A	0.56	0.30 J	0.18 J	0.37 J	ND (0.10)	0.47 J	0.23 J	0.14 J	0.27 J	ND (0.10)

Notes:

ACL: Aquifer Cleanup Level

COC: chemical of concern

1,2-DCA: 1,2-dichloroethane

TCE: trichloroethene

PCE: tetrachloroethene

1,1-DCA: 1,1-dichloroethane

µg/L: micrograms per liter

NS: not sampled

ND: The analyte was not detected above the detection limit.

J: Estimated result with a high (+) or low (-) bias.

¹ Hydraulic zones are identified in the Groundwater QAPP.

² Extraction wells not listed have met the QAPP decision rules to no longer operate.

Results in **bold** and shaded are concentrations above the ACL

Results in gray are ND

Results in brackets from a second deeper passive diffusion bag

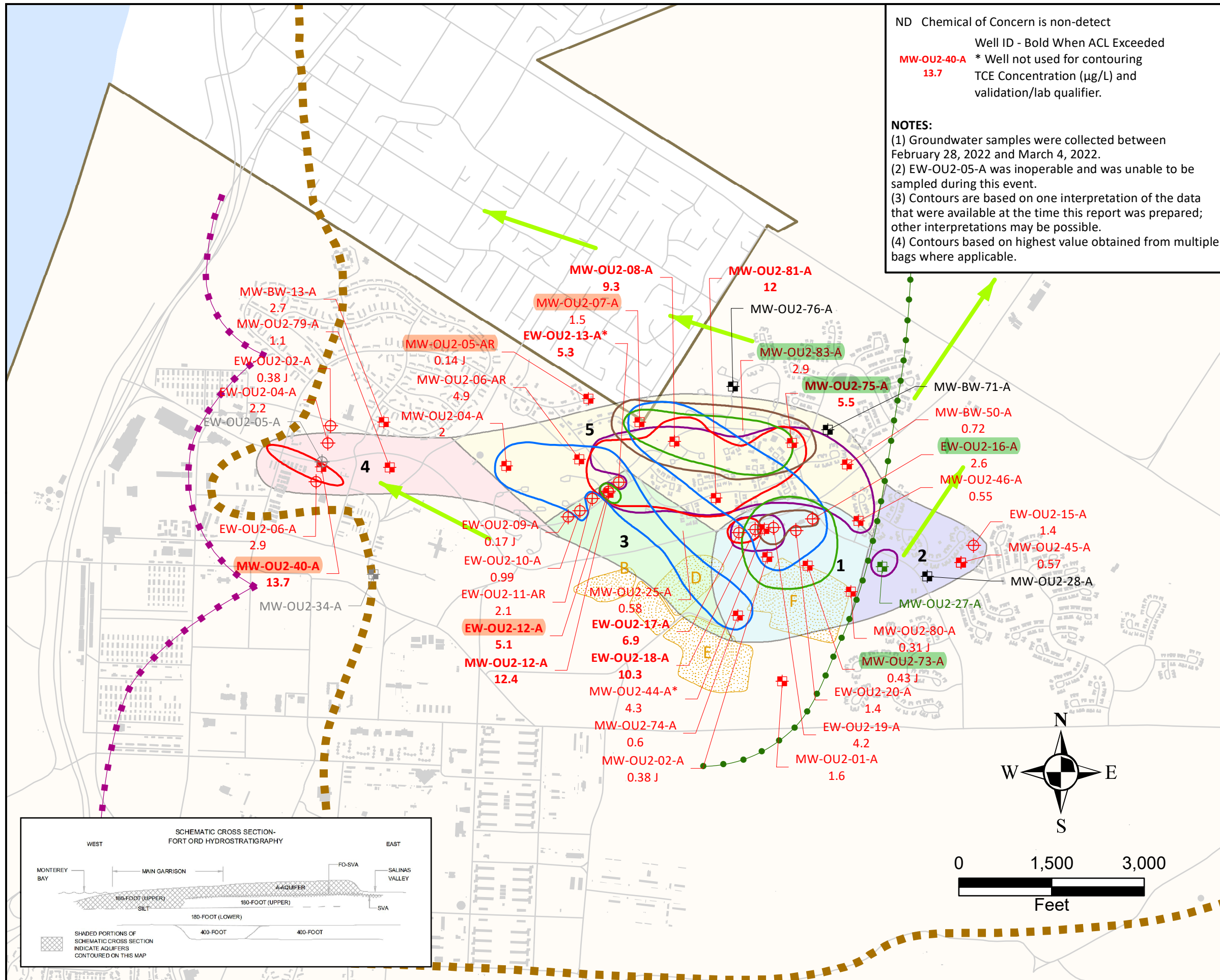
* Preliminary data

Table 4. OU2 A-Aquifer Select Extraction/Monitoring Well Data

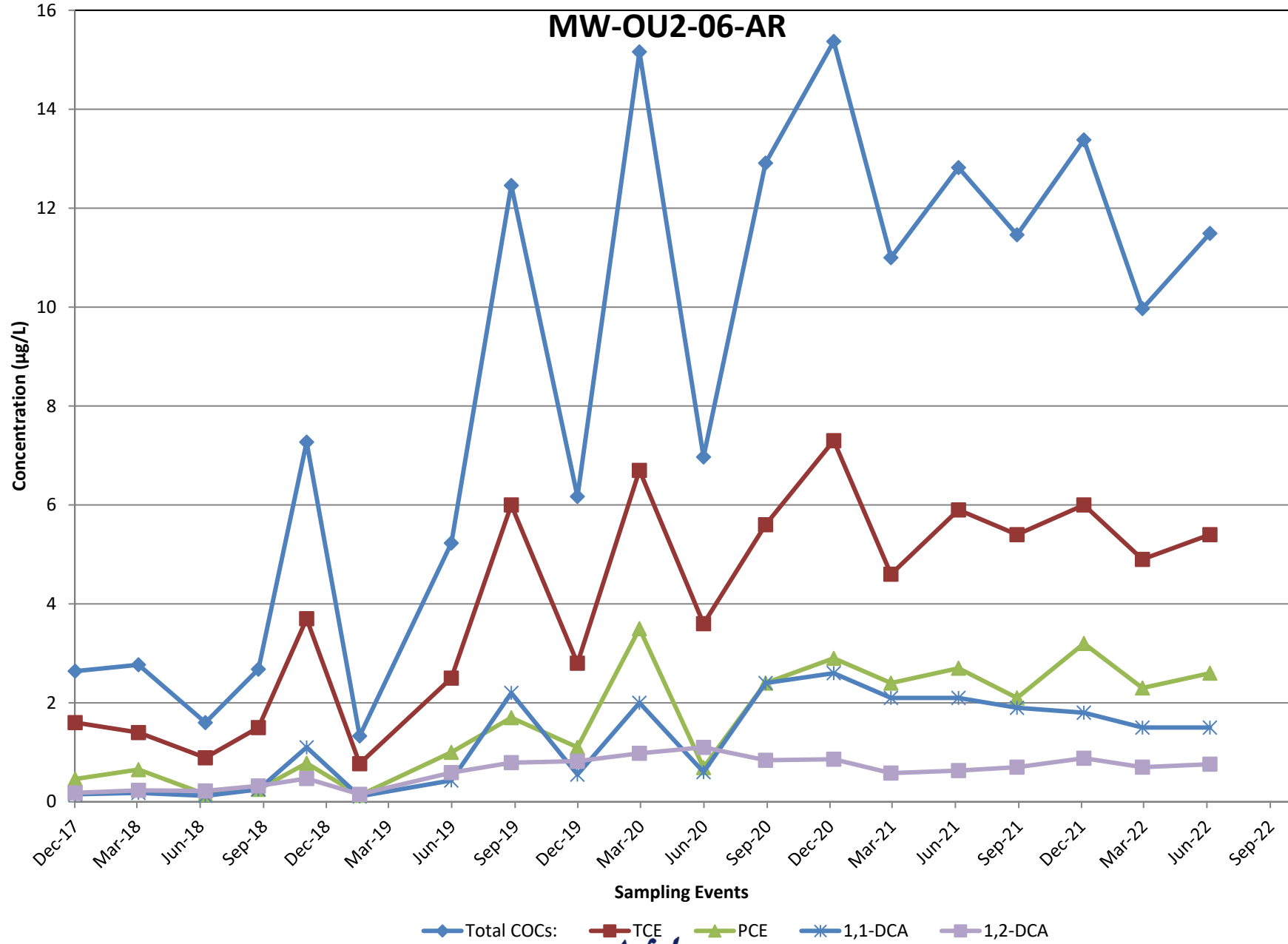
OU2 Hydraulic Zone ¹	Well Identification ²	Select COC Concentrations (µg/L)									
		1Q 2022					2Q 2022*				
		TCE	PCE	1,1-DCA	1,2-DCA	VC	TCE	PCE	1,1-DCA	1,2-DCA	VC
	ACL:	5	3	5	0.5	0.1	5	3	5	0.5	0.1
4	EW-OU2-02-A	0.38 J	ND (0.25)	0.13 J	ND (0.25)	ND (0.10)	0.36 J	ND (0.25)	0.13 J	ND (0.25)	ND (0.10)
4	EW-OU2-04-A	2.2	0.20 J	0.70	ND (0.25)	ND (0.10)	2.5	0.25 J	0.72	ND (0.25)	ND (0.10)
4	EW-OU2-05-A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4	EW-OU2-06-A	2.9	0.25 J	0.15 J	ND (0.25)	ND (0.10)	3.1	0.28 J	0.14 J	ND (0.25)	ND (0.10)
4	MW-OU2-40-A	13.7	0.46 J	0.19 J	ND (0.25)	ND (0.10)	17.8	0.52	0.27 J	ND (0.25)	ND (0.10)
5	MW-OU2-04-A	2.0	0.71	0.60	0.61	ND (0.10)	2.7	1.1	0.75	0.75	ND (0.10)
5	MW-OU2-06-AR	4.9	2.3	1.5	0.70	ND (0.10)	5.4	2.6	1.5	0.76	ND (0.10)
5	MW-OU2-07-A	1.5	0.74	10.1	0.65	0.27	2.6	1.4	14.4	0.94	0.31
5	MW-OU2-08-A	9.3	8.1	22	2.4	0.26	9.7	8.4	22.1	2.4	0.23
5	MW-OU2-75-A	5.5	7.9	8.2	0.11 J	0.11	5.1	5.9	8.0	0.11 J	0.095 J
5	MW-OU2-81-A	12.0	5.8	1.5	0.89	ND (0.10)	13.6	5.6	1.5	0.76	ND (0.10)
5	MW-OU2-83-A	2.9	2.9	9.0	0.46 J	0.20	1.9	1.3	6.8	0.30 J	0.072 J
5	MW-BW-50-A	0.72	4.0	NS	NS	ND (0.10)	0.67	3.4	0.68	ND (0.25)	ND (0.10)
5	MW-BW-71-A	ND (0.25)	0.16 J	NS	NS	ND (0.10)	ND (0.25)	0.20 J	NS	NS	ND (0.10)
N/A	MW-OU2-05-AR	0.14 J	ND (0.25)	1.5	ND (0.25)	ND (0.10)	0.24 J	ND (0.25)	8.2	ND (0.25)	0.071 J
N/A	MW-OU2-76-A	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.10)	ND (0.25)	ND (0.25)	0.11 J	ND (0.25)	ND (0.10)

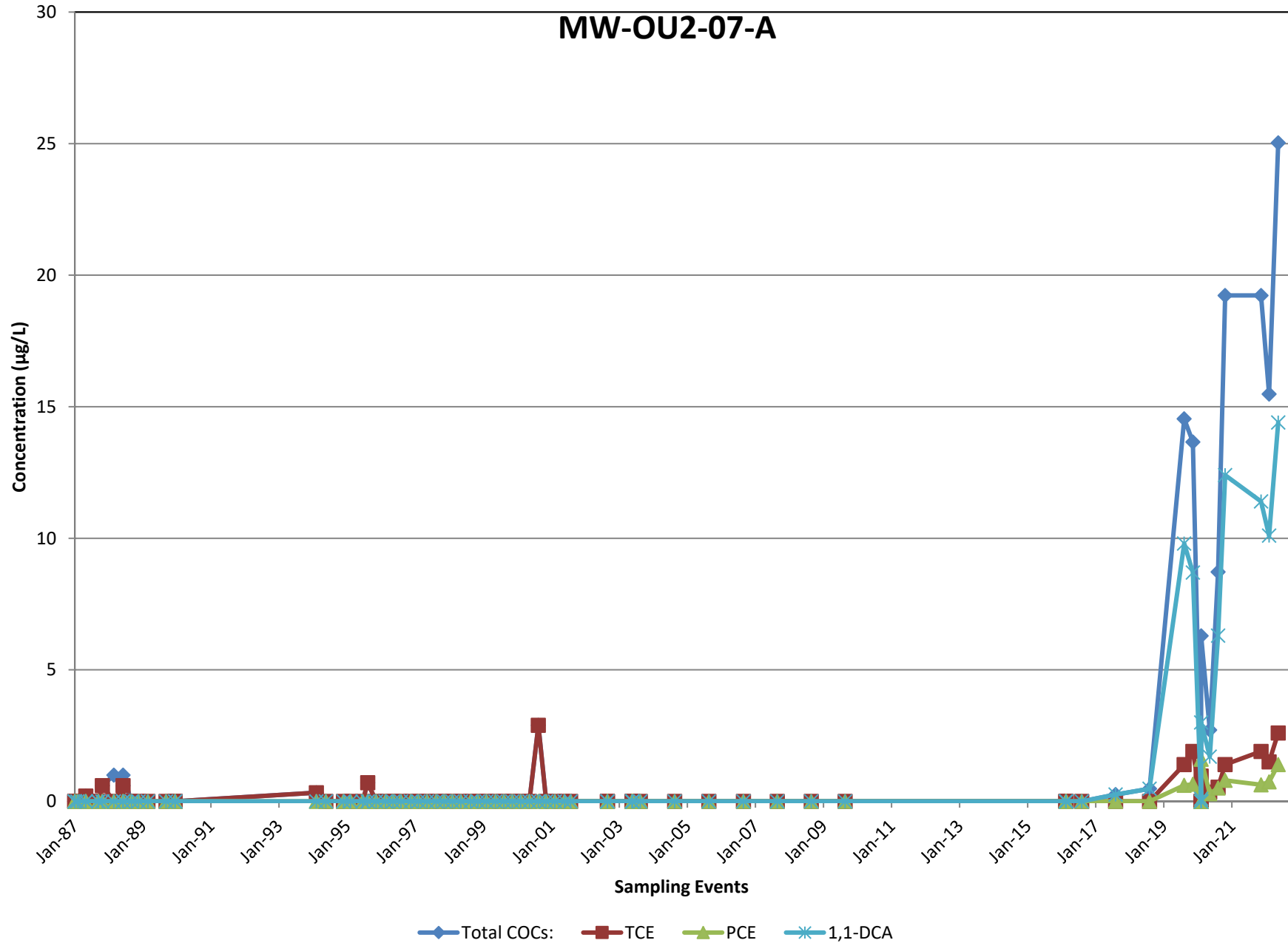
Notes:

- ACL: Aquifer Cleanup Level
- COC: chemical of concern
- 1,2-DCA: 1,2-dichloroethane
- TCE: trichloroethene
- PCE: tetrachloroethene
- 1,1-DCA: 1,1-dichloroethane
- µg/L: micrograms per liter
- NS: not sampled
- ND: The analyte was not detected above the detection limit.
- J: Estimated result with a high (+) or low (-) bias.
- ¹ Hydraulic zones are identified in the Groundwater QAPP.
- ² Extraction wells not listed have met the QAPP decision rules to no longer operate.
- Results in **bold** and shaded are concentrations above the ACL
- Results in gray are ND
- Results in brackets from a second deeper passive diffusion bag
- * Preliminary data

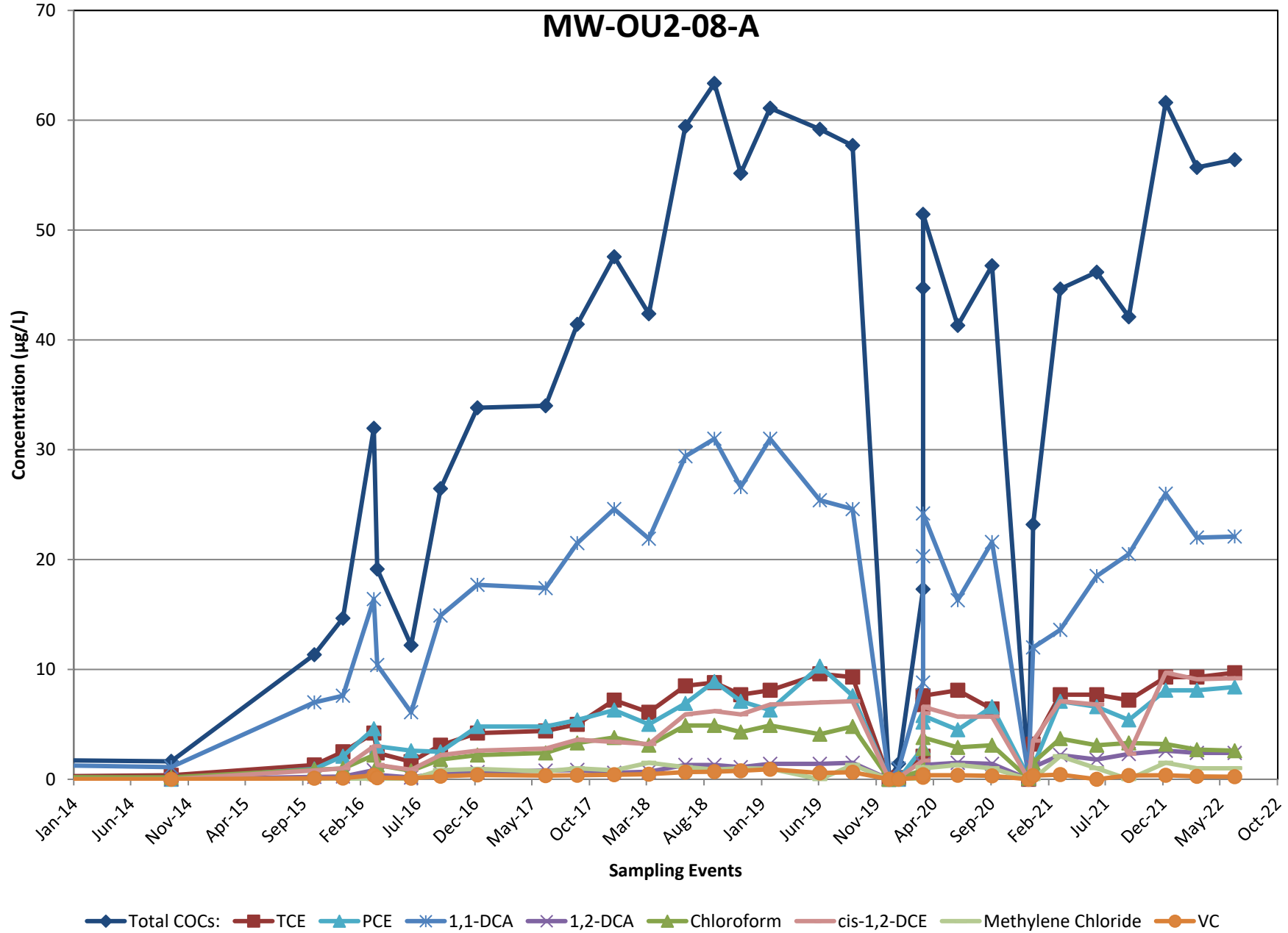


TCE CONCENTRATIONS AND OTHER COC ACL EXCEEDANCES
 A-AQUIFER
 FIRST QUARTER 2022
 Operable Unit 2, First Quarter 2022 Groundwater
 Monitoring and Treatment System Report
 Former Fort Ord, California

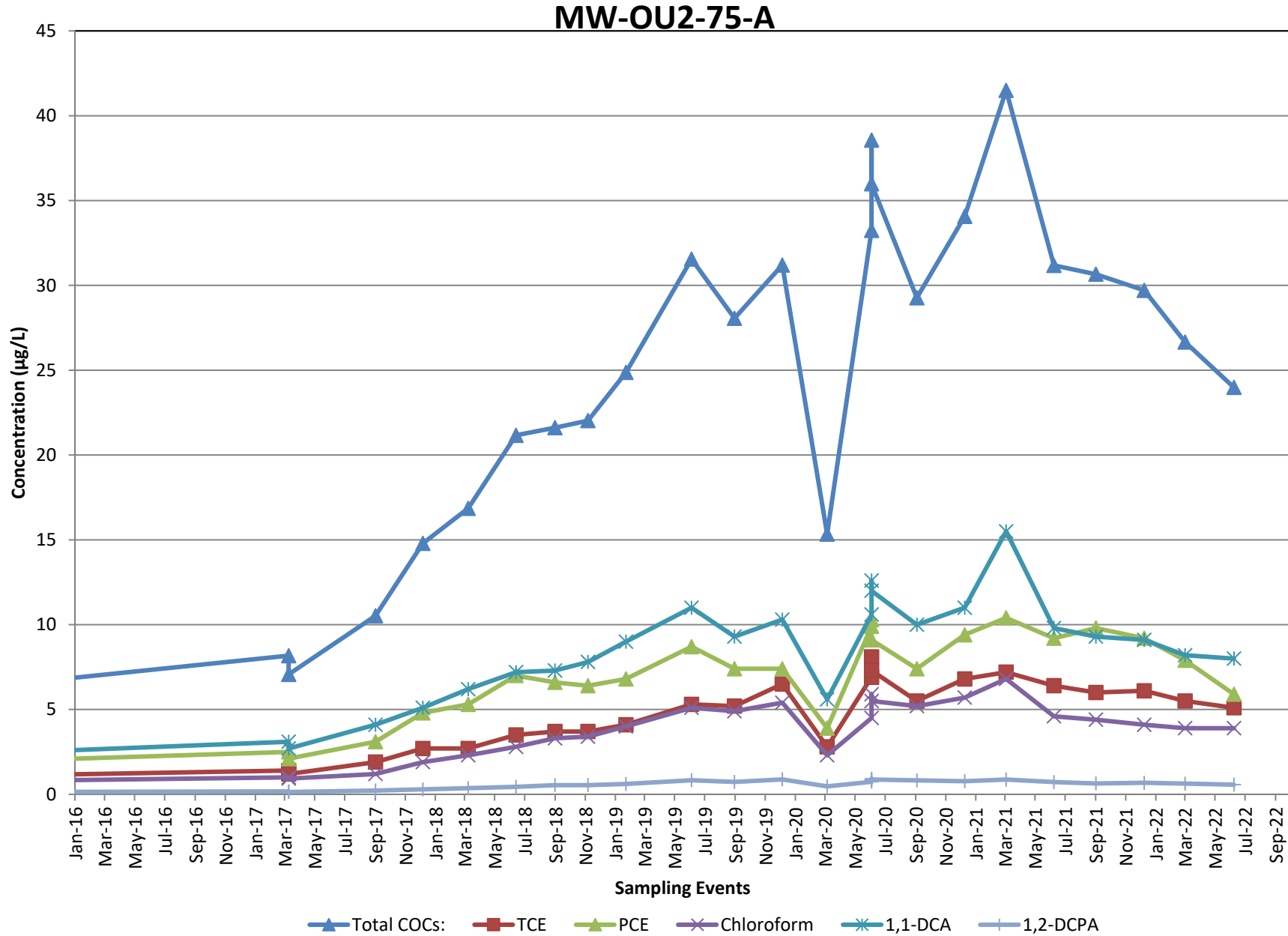




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Ahtna

Table 5. OU2 Upper 180-Foot Select Extraction/Monitoring Well Data

OU2 Hydraulic Zone ¹	Well Identification ²	TCE Concentration (µg/L)			
		3Q 2021	4Q 2021	1Q 2022	2Q 2022*
ACL:		5			
6	EW-OU2-03-180	7.7	8.1	7.4	7.9
6	MW-OU2-23-180	12.4	13.5 J+	10.8	12.4
6	MW-OU2-50-180	11	15.9 J+	8.6	10.9
6	MW-OU2-51-180	0.62	0.72 J+	0.65	0.69
7	EW-OU2-05-180	2.7 J+	2.0	2.1	2.4
7	EW-OU2-06-180	4.2	3.3	3.6	3.9
7	EW-OU2-10-180	8.9	6.8	7.3	7.6
7	EW-OU2-11-180	4.8	3.8	4.2	4.8
7	EW-OU2-12-180	7.9	7.0	7.3	7.4
7	MW-OU2-24-180	11.1	9.5	8.0	7.4
7	MW-OU2-81-180	3.3	4.5	3.8	3.1
7	MW-OU2-44-180	15.1	12.4	10.6	11.8
7	MW-OU2-56-180	6.3	7.0 J+	5.8	7.1
8	EW-OU2-08-180	2.7	2.6	1.6	2.4
8	MW-OU2-28-180	6.0	5.2 J+	3.3	3.7
8	MW-OU2-62-180	1.8	1.9	1.5	1.1
9	EW-OU2-01-180	7.3	9.7	9.6	2.4
9	EW-OU2-02-180R	5.7	4.9	5.2	5.7
9	MW-OU2-06-180R2	0.89	1.2	1.2	0.87
9	MW-OU2-43-180	2.5	2.4 J+	1.9	2.9
N/A	MW-OU2-84-180	NS	ND (0.25)	0.10 J	ND (0.25)

Notes:

ACL: Aquifer Cleanup Level

COC: chemical of concern

TCE: trichloroethene

µg/L: micrograms per liter

NS: not sampled

ND: The analyte was not detected above the detection limit.

J: Estimated result with a high (+) or low (-) bias.

¹ Hydraulic zones are identified in the Groundwater QAPP.

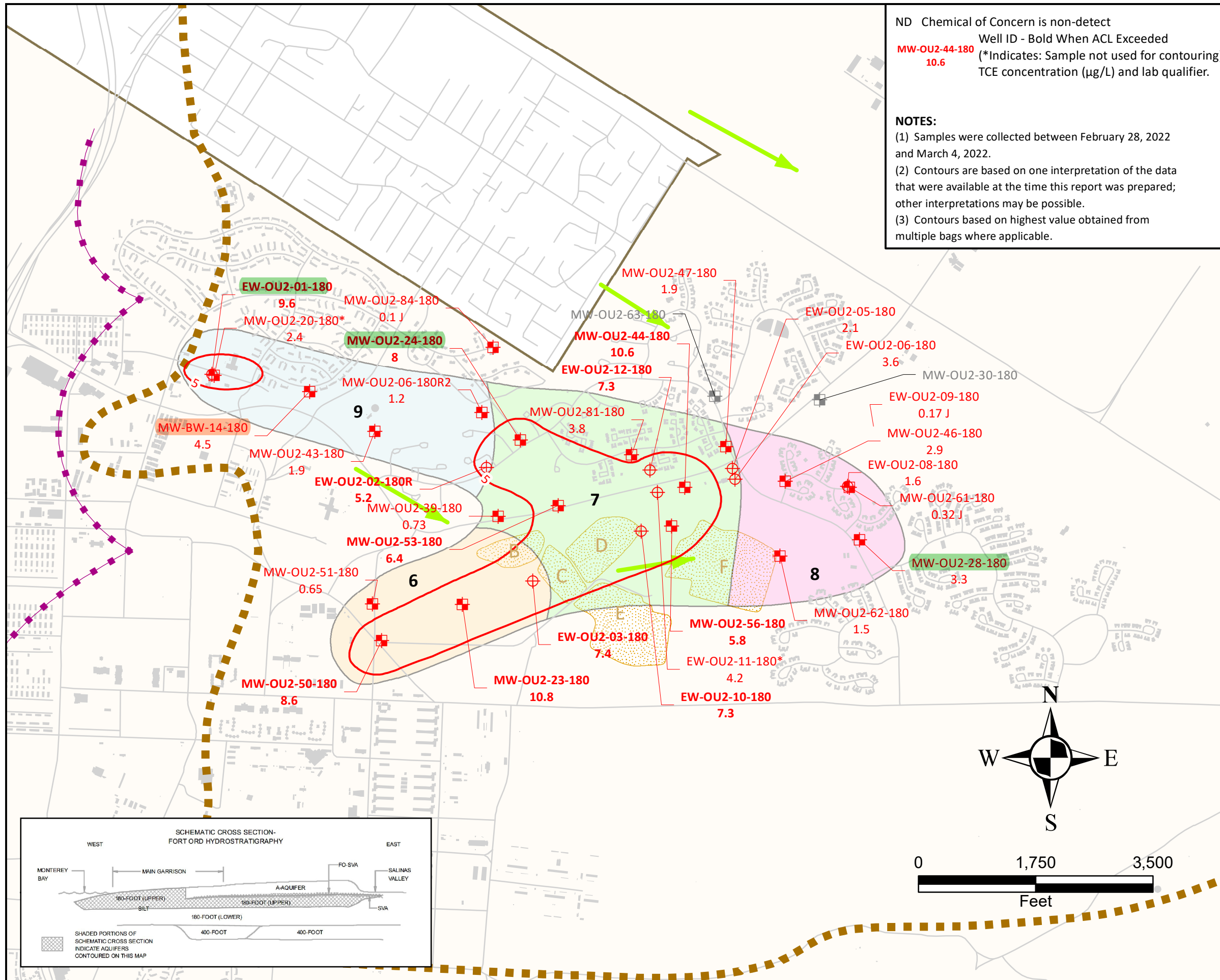
² Extraction wells not listed have met the QAPP decision rules to no longer operate.

Results in **bold** and shaded are concentrations above the ACL

Results in *gray* are ND

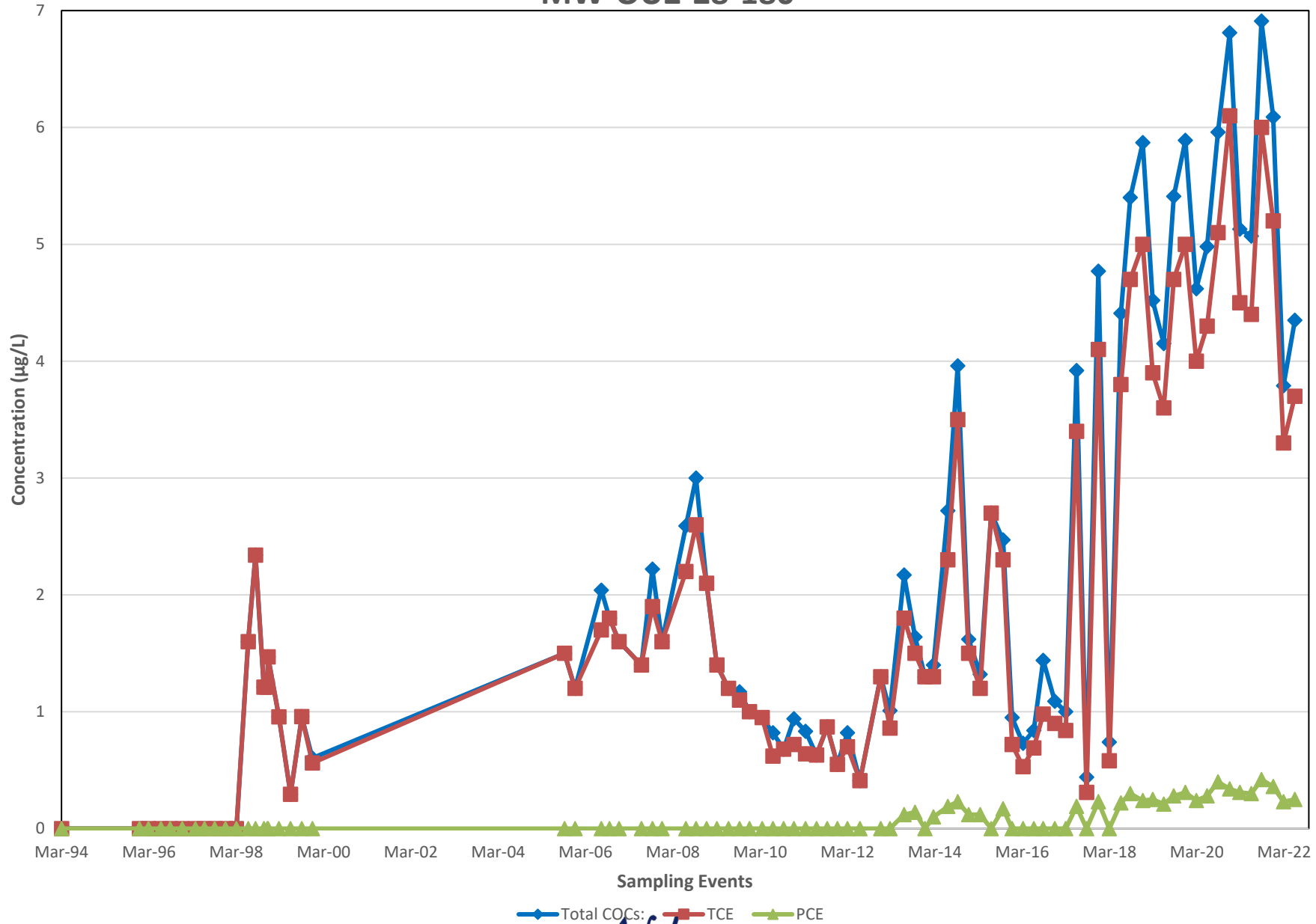
Results in brackets from a second deeper passive diffusion bag

* Preliminary data



TCE CONCENTRATIONS AND OTHER COC ACL EXCEEDANCES
 UPPER 180-FOOT AQUIFER
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MW-OU2-28-180



—◆— Total COCs: —■— TCE —▲— PCE
Ahtna

MW-OU2-62-180

