Operable Unit 2 Data and Status

Table 1: Jan – Apr 2024 – OU2 GWTP Statistics

Month	Volume Treated (gallons)	Average Flow (gallons per minute)	Percent of Time Online	COC Mass Removed (pounds)
Jan 2024	42,482,400	952	100	1.9
Feb 2024	38,501,363	922	100	1.7
Mar 2024	39,874,680	893	100	1.8
Apr 2024	39,852,000	923	100	1.8
Total since October 1995	9.987 billion			988

Table 2: Jan – Apr 2024 – Treated Water Reuse

Month	Volume Used (gallons)	Use
Jan 2024	0	
Feb 2024	0	
Mar 2024	0	
Apr 2024	0	
Total since October 2016	4.372 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.

Jan-Apr Key Events

- Jan 9: OU2 GWTP GAC change-out.
- Feb 12-16: First Quarter 2024 GWMP event.
- Feb 26: Redevelop EW-OU2-17-A, flow rate improved from 5 to 11 gpm.
- Feb 27: EW-OU2-08-180 offline due to failed VFD.
- Feb 28: Redevelop EW-OU2-12-A, flow rate improved from 4 to 9 gpm.
- Feb 29: Redevelop EW-OU2-10-A, flow rate improved from 8 to 12 gpm.
- Apr 16: OU2 GWTP GAC change-out.

Future Key Events

- May 13-17: Second Quarter 2024 GWMP event.
- Repair and restart EW-OU2-08-180.
- Decommission MW-OU2-37-A and MW-OU2-37-180.
- EW-OU2-11-180 remains offline.
- Pump replacements: EW-OU2-04-A and EW-OU2-05-A.

Jan – Apr 2024 OU2 Treated Water at TS-OU2-INJ-01 did not exceed discharge limits.

Ahtna

GWM COC Summary

Table 3: OU2 GWM Summary – A-Aquifer

Quarter	1,1-DCA	1,2-DCA	1,2-DCPA	Benzene	CT	Chloroform	Cis-1,2-DCE	Methylene Chloride	PCE	TCE	VC
2024-1Q	**>ACL**	**>ACL**	<ACL	<ACL	ND	**>ACL**	**>ACL**	<ACL	**>ACL**	**>ACL**	**>ACL**
2023-4Q	**>ACL**	**>ACL**	<ACL	<ACL	ND	**>ACL**	**>ACL**	<ACL	**>ACL**	**>ACL**	**>ACL**
2023-3Q	**>ACL**	**>ACL**	<ACL	<ACL	ND	**>ACL**	**>ACL**	<ACL	**>ACL**	**>ACL**	**>ACL**
2023-2Q	**>ACL**	**>ACL**	<ACL	<ACL	ND	**>ACL**	**>ACL**	<ACL	**>ACL**	**>ACL**	**>ACL**
Max COC/ACL Ratio	**2.5**	**5.8**	-	-	-	**2.0**	**1.4**	-	**2.4**	**2.4**	**54**
Hydraulic Zone	**5**	**3**	-	-	-	**5**	**1**	-	**5**	**4**	**1**

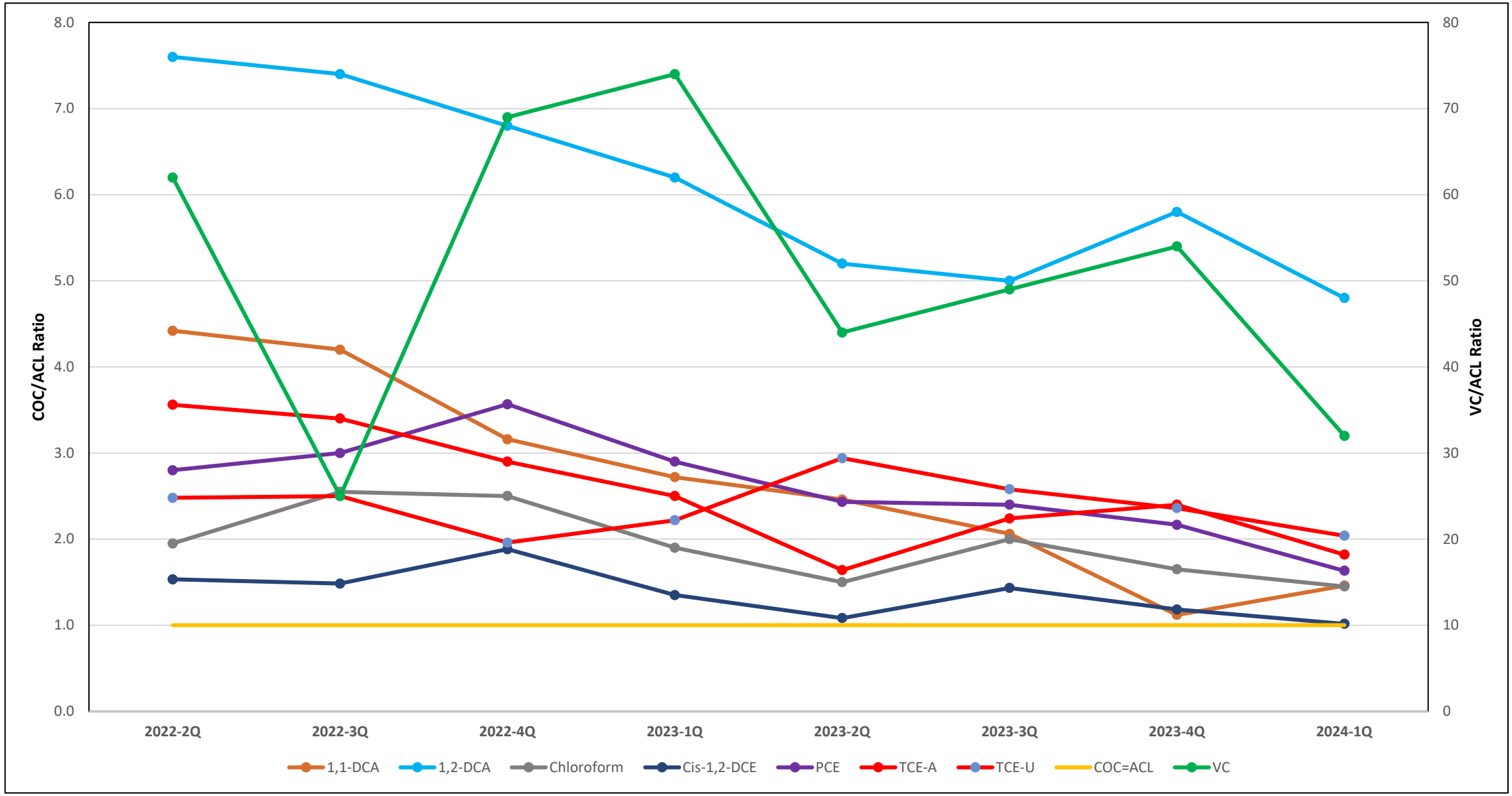
Notes:
*Preliminary data
>: greater than
<: less than
ACL: Aquifer Cleanup Level
1,1-DCA: 1,1-dichloroethane
1,2-DCA: 1,2-dichloroethane
1,2-DCPA: 1,2-dichloropropane
CT: carbon tetrachloride
Cis-1,2-DCE: cis-1,2-dichloroethene
TCE: trichloroethene
PCE: tetrachloroethene
VC: vinyl chloride
ND: The analyte was not detected above the detection limit.

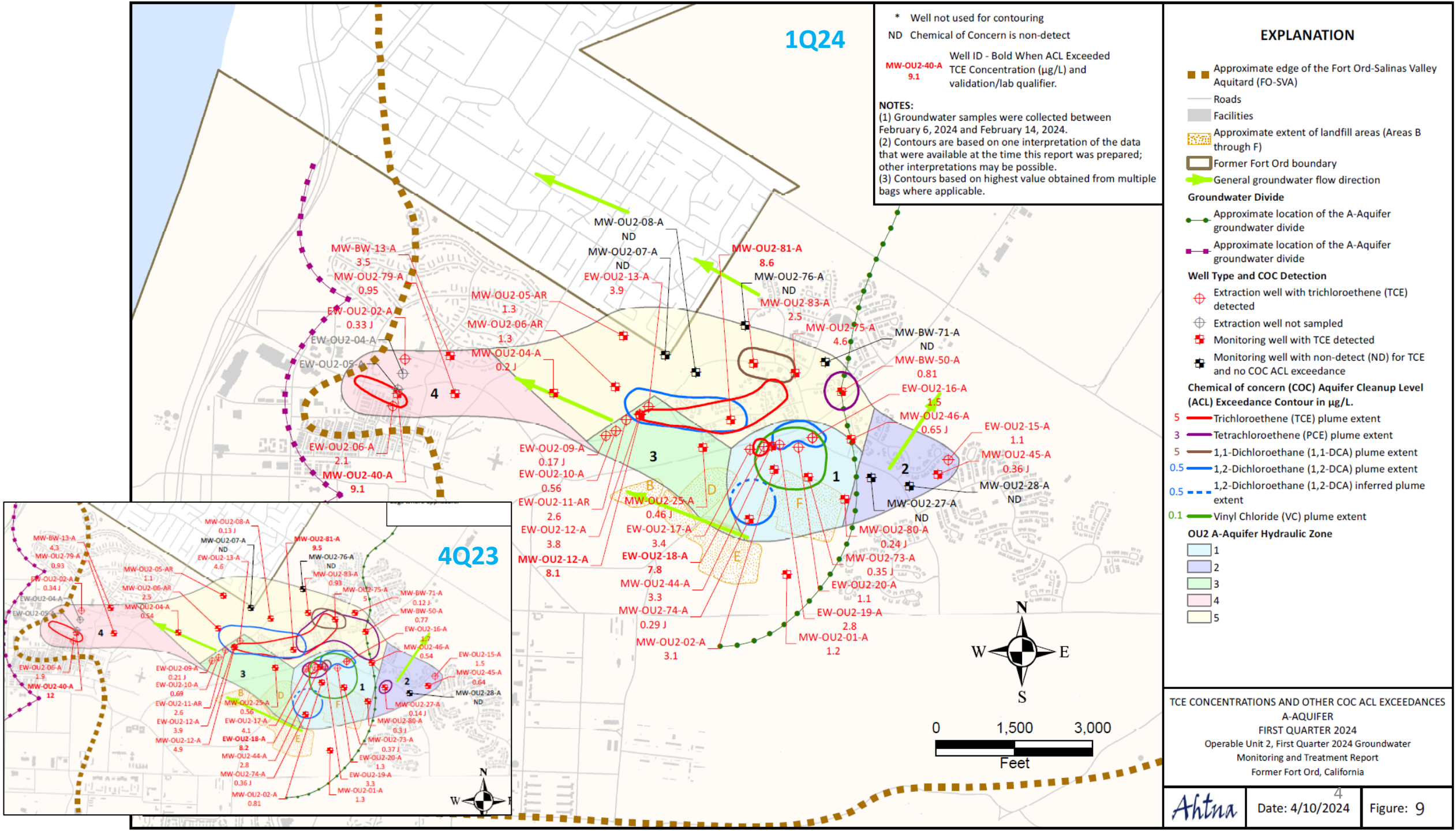
Table 4: OU2 GWM Summary – Upper 180-Foot Aquifer

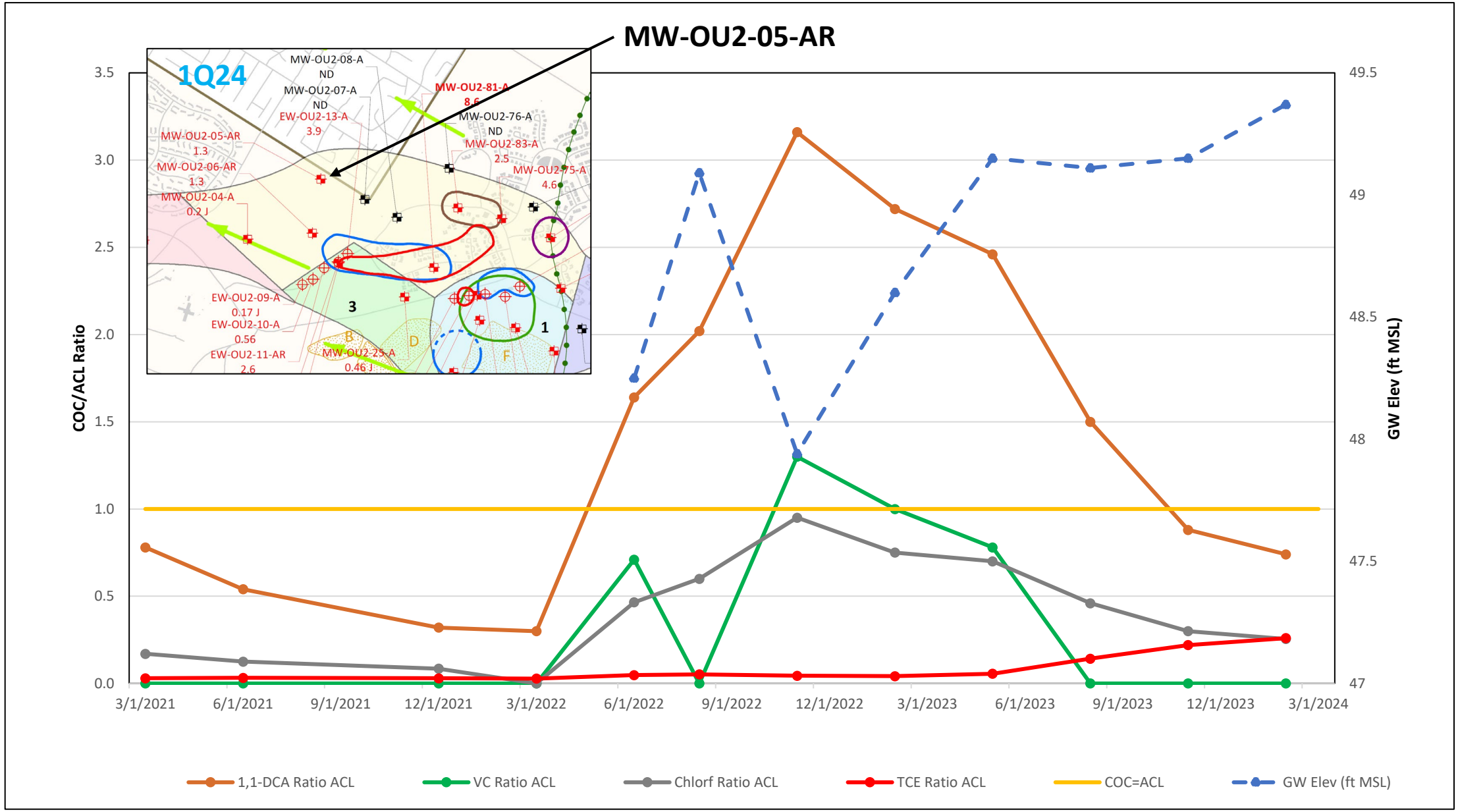
Quarter	1,1-DCA	1,2-DCA	1,2-DCPA	Benzene	CT	Chloroform	Cis-1,2-DCE	Methylene Chloride	PCE	TCE	VC
2024-1Q	<ACL	ND	ND	ND	<ACL	<ACL	<ACL	<ACL	<ACL	**>ACL**	ND
2023-4Q	<ACL	ND	ND	<ACL	<ACL	<ACL	<ACL	ND	<ACL	**>ACL**	ND
2023-3Q	<ACL	ND	<ACL	<ACL	<ACL	<ACL	<ACL	<ACL	<ACL	**>ACL**	ND
2023-2Q	<ACL	ND	ND	<ACL	<ACL	<ACL	<ACL	ND	<ACL	**>ACL**	ND
Max COC/ACL Ratio	-	-	-	-	-	-	-	-	-	**2.9**	-
Hydraulic Zone	-	-	-	-	-	-	-	-	-	**7**	-

7 COCs in the A-Aquifer and 1 in the Upper 180-Foot Aquifer above the ACLs.

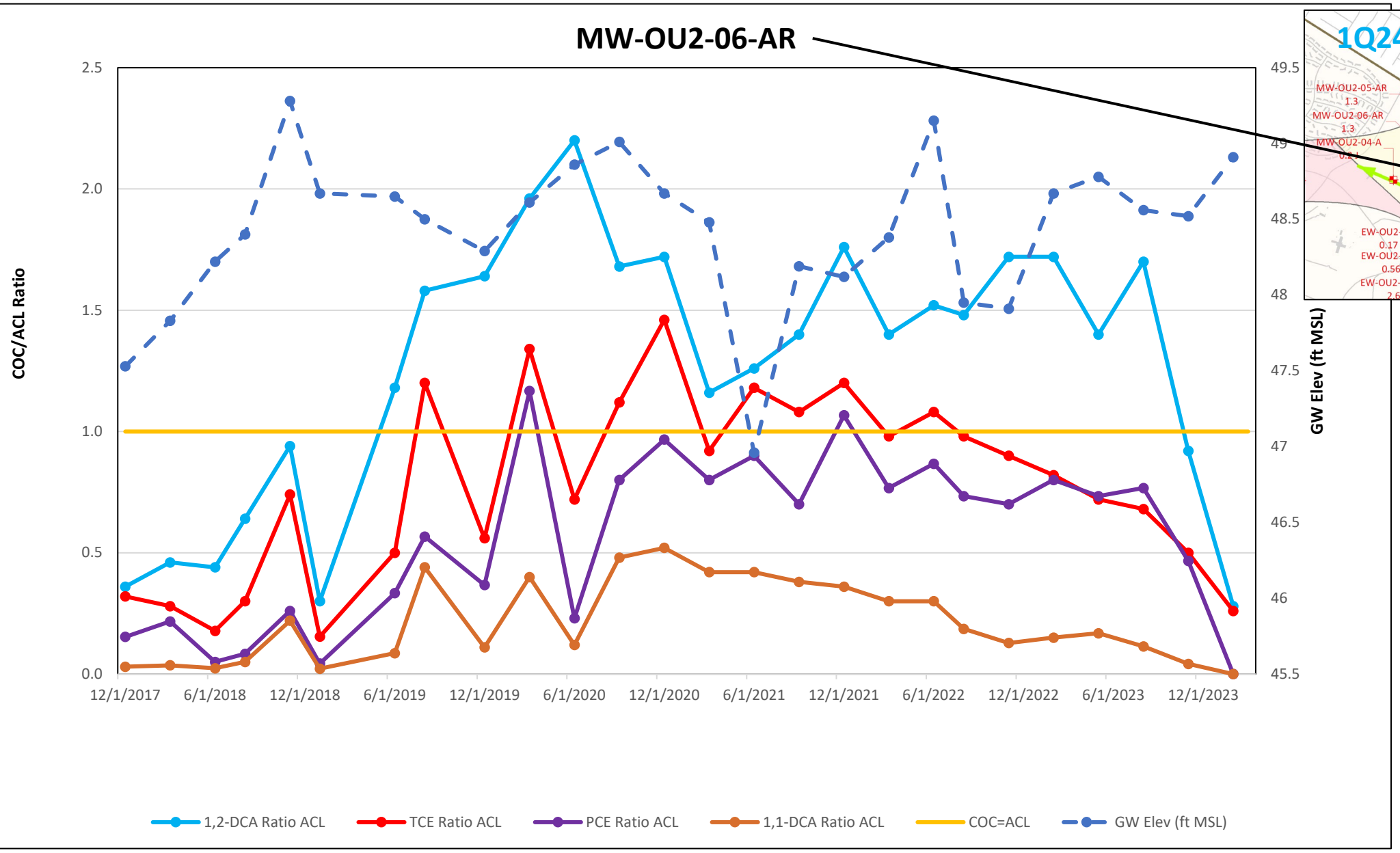
Max Quarterly COC/ACL Ratio Trend

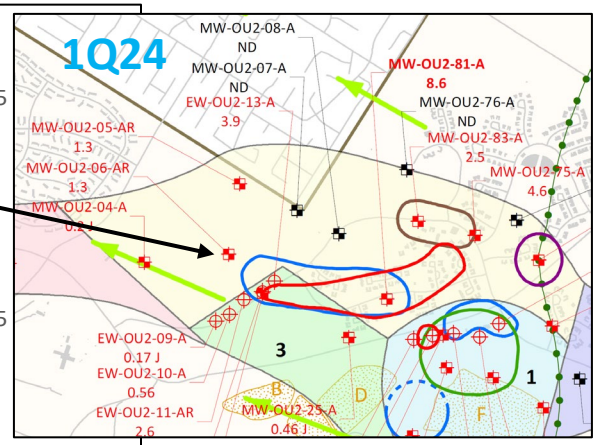


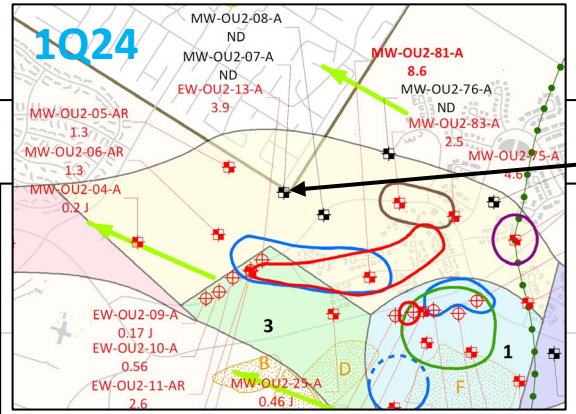

1Q24
* Well not used for contouring
ND Chemical of Concern is non-detect
MW-OU2-40-A 9.1 Well ID - Bold When ACL Exceeded TCE Concentration (µg/L) and validation/lab qualifier.
NOTES:
(1) Groundwater samples were collected between February 6, 2024 and February 14, 2024.
(2) Contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
(3) Contours based on highest value obtained from multiple bags where applicable.
MW-BW-13-A 3.5
MW-OU2-79-A 0.95
EW-OU2-02-A 0.33 J
EW-OU2-04-A
EW-OU2-05-A
MW-OU2-05-AR 1.3
MW-OU2-06-AR 1.3
MW-OU2-04-A 0.2 J
EW-OU2-06-A 2.1
MW-OU2-40-A 9.1
MW-OU2-08-A ND
MW-OU2-07-A ND
EW-OU2-13-A 3.9
MW-OU2-81-A 8.6
MW-OU2-76-A ND
MW-OU2-83-A 2.5
MW-OU2-75-A 4.6
MW-BW-71-A ND
MW-BW-50-A 0.81
EW-OU2-16-A 1.5
MW-OU2-46-A 0.65 J
EW-OU2-15-A 1.1
MW-OU2-45-A 0.36 J
MW-OU2-28-A ND
MW-OU2-27-A ND
MW-OU2-80-A 0.24 J
MW-OU2-73-A 0.35 J
EW-OU2-20-A 1.1
EW-OU2-19-A 2.8
MW-OU2-01-A 1.2
EW-OU2-09-A 0.17 J
EW-OU2-10-A 0.56
EW-OU2-11-AR 2.6
EW-OU2-12-A 3.8
MW-OU2-12-A 8.1
MW-OU2-25-A 0.46 J
EW-OU2-17-A 3.4
EW-OU2-18-A 7.8
MW-OU2-44-A 3.3
MW-OU2-74-A 0.29 J
MW-OU2-02-A 3.1
4Q23
MW-BW-13-A 4.3
MW-OU2-79-A 0.93
EW-OU2-02-A 0.34 J
EW-OU2-04-A
EW-OU2-05-A
MW-OU2-05-AR 1.1
MW-OU2-06-AR 2.5
MW-OU2-04-A 0.54
EW-OU2-06-A 1.9
MW-OU2-40-A 12
MW-OU2-08-A 0.13 J
MW-OU2-07-A ND
EW-OU2-13-A 4.6
MW-OU2-81-A 9.5
MW-OU2-76-A ND
MW-OU2-83-A 0.93
MW-OU2-75-A 5
MW-BW-71-A 0.12 J
MW-BW-50-A 0.77
EW-OU2-16-A 1.7
MW-OU2-46-A 0.54
EW-OU2-15-A 1.5
MW-OU2-45-A 0.64
MW-OU2-28-A ND
MW-OU2-27-A 0.14 J
MW-OU2-80-A 0.3 J
MW-OU2-73-A 0.37 J
EW-OU2-20-A 1.3
EW-OU2-19-A 3.3
MW-OU2-01-A 1.3
EW-OU2-09-A 0.21 J
EW-OU2-10-A 0.69
EW-OU2-11-AR 2.6
EW-OU2-12-A 3.9
MW-OU2-12-A 4.9
MW-OU2-25-A 0.56
EW-OU2-17-A 4.1
EW-OU2-18-A 8.2
MW-OU2-44-A 2.8
MW-OU2-74-A 0.36 J
MW-OU2-02-A 0.81
EXPLANATION
Approximate edge of the Fort Ord-Salinas Valley Aquitard (FO-SVA)
Roads
Facilities
Approximate extent of landfill areas (Areas B through F)
Former Fort Ord boundary
General groundwater flow direction
Groundwater Divide
Approximate location of the A-Aquifer groundwater divide
Approximate location of the A-Aquifer groundwater divide
Well Type and COC Detection
Extraction well with trichloroethene (TCE) detected
Extraction well not sampled
Monitoring well with TCE detected
Monitoring well with non-detect (ND) for TCE and no COC ACL exceedance
Chemical of concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.
5 Trichloroethene (TCE) plume extent
3 Tetrachloroethene (PCE) plume extent
5 1,1-Dichloroethane (1,1-DCA) plume extent
0.5 1,2-Dichloroethane (1,2-DCA) plume extent
0.5 1,2-Dichloroethane (1,2-DCA) inferred plume extent
0.1 Vinyl Chloride (VC) plume extent
OU2 A-Aquifer Hydraulic Zone
1
2
3
4
5
N
W
E
S
0 1,500 3,000
Feet
TCE CONCENTRATIONS AND OTHER COC ACL EXCEEDANCES
A-AQUIFER
FIRST QUARTER 2024
Operable Unit 2, First Quarter 2024 Groundwater Monitoring and Treatment Report
Former Fort Ord, California
Ahtna
Date: 4/10/2024
Figure: 9


MW-OU2-05-AR
1Q24
MW-OU2-08-A
ND
MW-OU2-07-A
ND
EW-OU2-13-A
3.9
MW-OU2-81-A
8.6
MW-OU2-76-A
ND
MW-OU2-83-A
2.5
MW-OU2-75-A
4.6
MW-OU2-05-AR
1.3
MW-OU2-06-AR
1.3
MW-OU2-04-A
0.2 J
EW-OU2-09-A
0.17 J
EW-OU2-10-A
0.56
EW-OU2-11-AR
2.6
MW-OU2-25-A
0.46 J
3
1
B
D
F
COC/ACL Ratio
GW Elev (ft MSL)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
49.5
49
48.5
48
47.5
47
3/1/2021
6/1/2021
9/1/2021
12/1/2021
3/1/2022
6/1/2022
9/1/2022
12/1/2022
3/1/2023
6/1/2023
9/1/2023
12/1/2023
3/1/2024
1,1-DCA Ratio ACL
VC Ratio ACL
Chlorf Ratio ACL
TCE Ratio ACL
COC=ACL
GW Elev (ft MSL)

MW-OU2-06-AR


COC/ACL Ratio
GW Elev (ft MSL)
2.5
2.0
1.5
1.0
0.5
0.0
49.5
49
48.5
48
47.5
47
46.5
46
45.5
12/1/2017
6/1/2018
12/1/2018
6/1/2019
12/1/2019
6/1/2020
12/1/2020
6/1/2021
12/1/2021
6/1/2022
12/1/2022
6/1/2023
12/1/2023
1,2-DCA Ratio ACL
TCE Ratio ACL
PCE Ratio ACL
1,1-DCA Ratio ACL
COC=ACL
GW Elev (ft MSL)

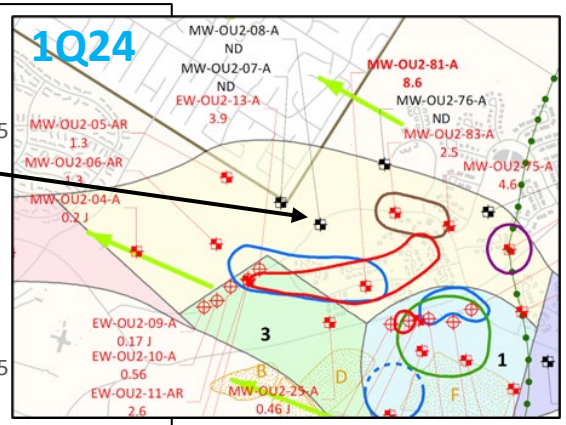

1Q24
MW-OU2-08-A
ND
MW-OU2-07-A
ND
EW-OU2-13-A
3.9
MW-OU2-81-A
8.6
MW-OU2-76-A
ND
MW-OU2-83-A
2.5
MW-OU2-75-A
4.6
MW-OU2-05-AR
1.3
MW-OU2-06-AR
1.3
MW-OU2-04-A
EW-OU2-09-A
0.17 J
EW-OU2-10-A
0.56
EW-OU2-11-AR
2.6
MW-OU2-25-A
0.46 J
3
1
B
D
F

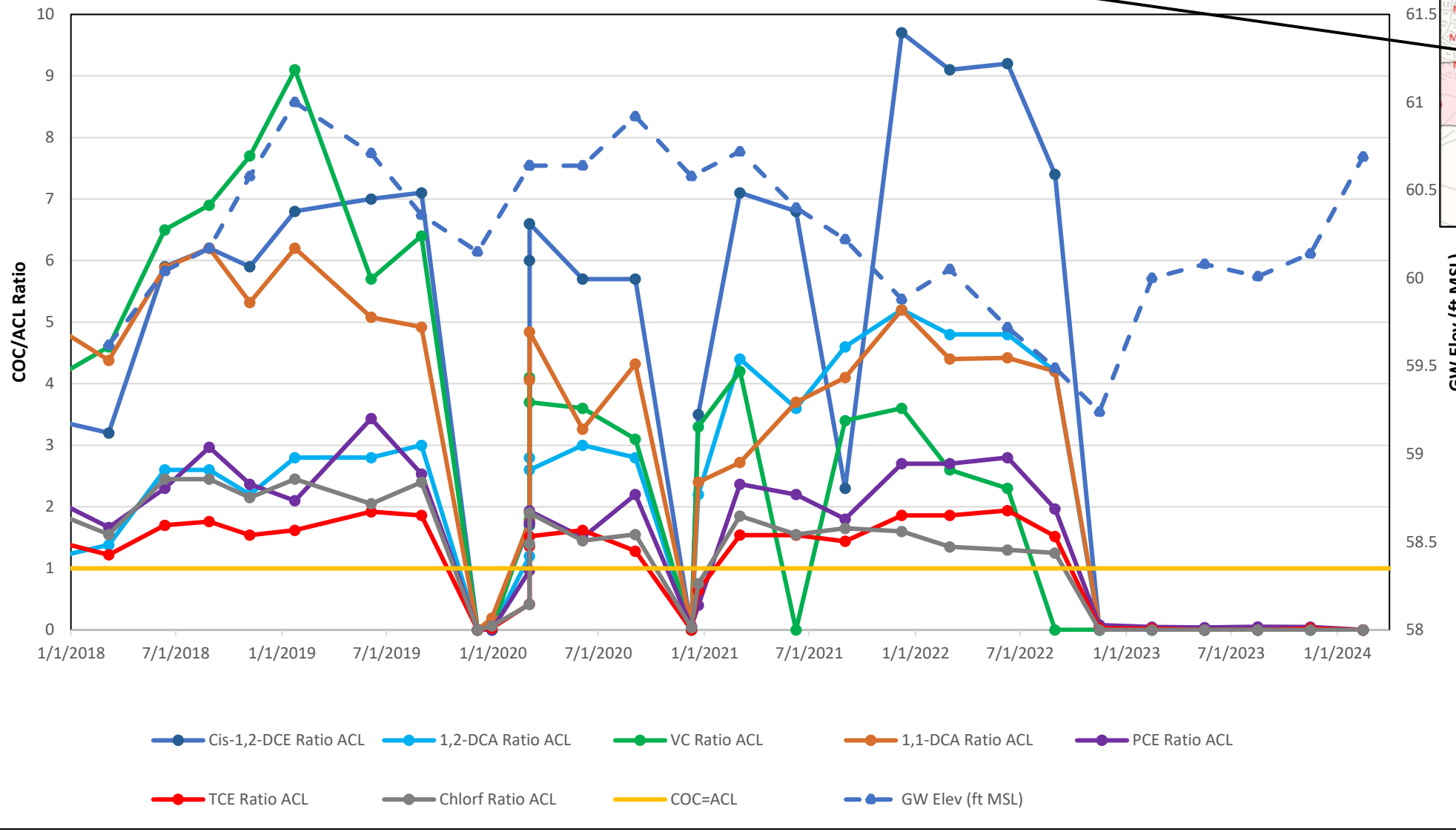

1Q24
MW-OU2-08-A
ND
MW-OU2-07-A
ND
EW-OU2-13-A
3.9
MW-OU2-81-A
8.6
MW-OU2-76-A
ND
MW-OU2-83-A
2.5
MW-OU2-75-A
4.6
MW-OU2-05-AR
1.3
MW-OU2-06-AR
1.3
MW-OU2-04-A
0.2 J
EW-OU2-09-A
0.17 J
EW-OU2-10-A
0.56
EW-OU2-11-AR
2.6
MW-OU2-25-A
0.46 J
3
1
B
D
F

MW-OU2-07-A

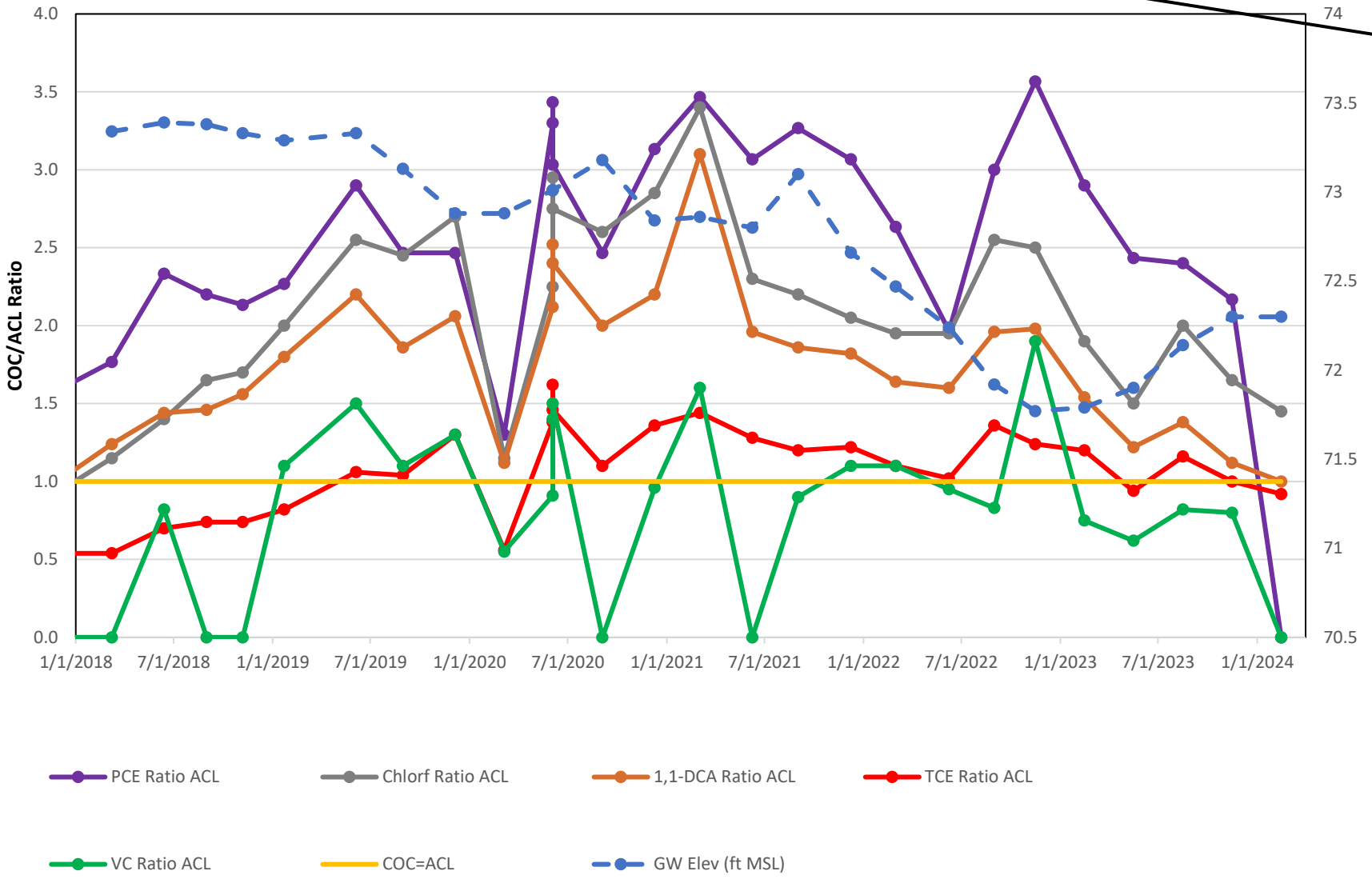
COC/ACL Ratio
GW Elev (ft MSL)
0
1
2
3
4
5
6
52
52.5
53
53.5
54
54.5
55
1/28/2018
7/28/2018
1/28/2019
7/28/2019
1/28/2020
7/28/2020
1/28/2021
7/28/2021
1/28/2022
7/28/2022
1/28/2023
7/28/2023
1/28/2024
VC Ratio ACL
PCE Ratio ACL
1,1-DCA Ratio ACL
TCE Ratio ACL
COC=ACL
GW Elev (ft MSL)

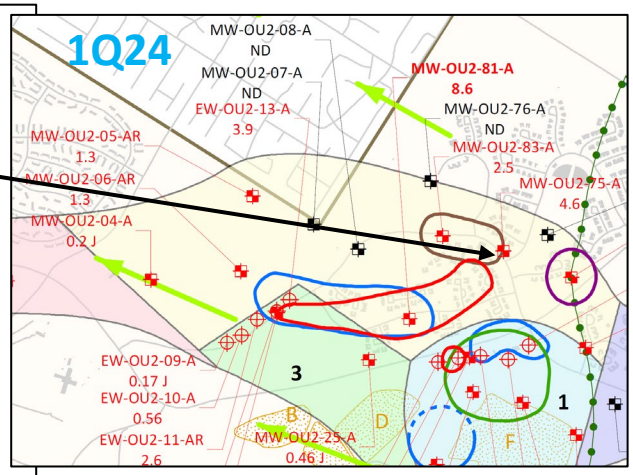
MW-OU2-08-A

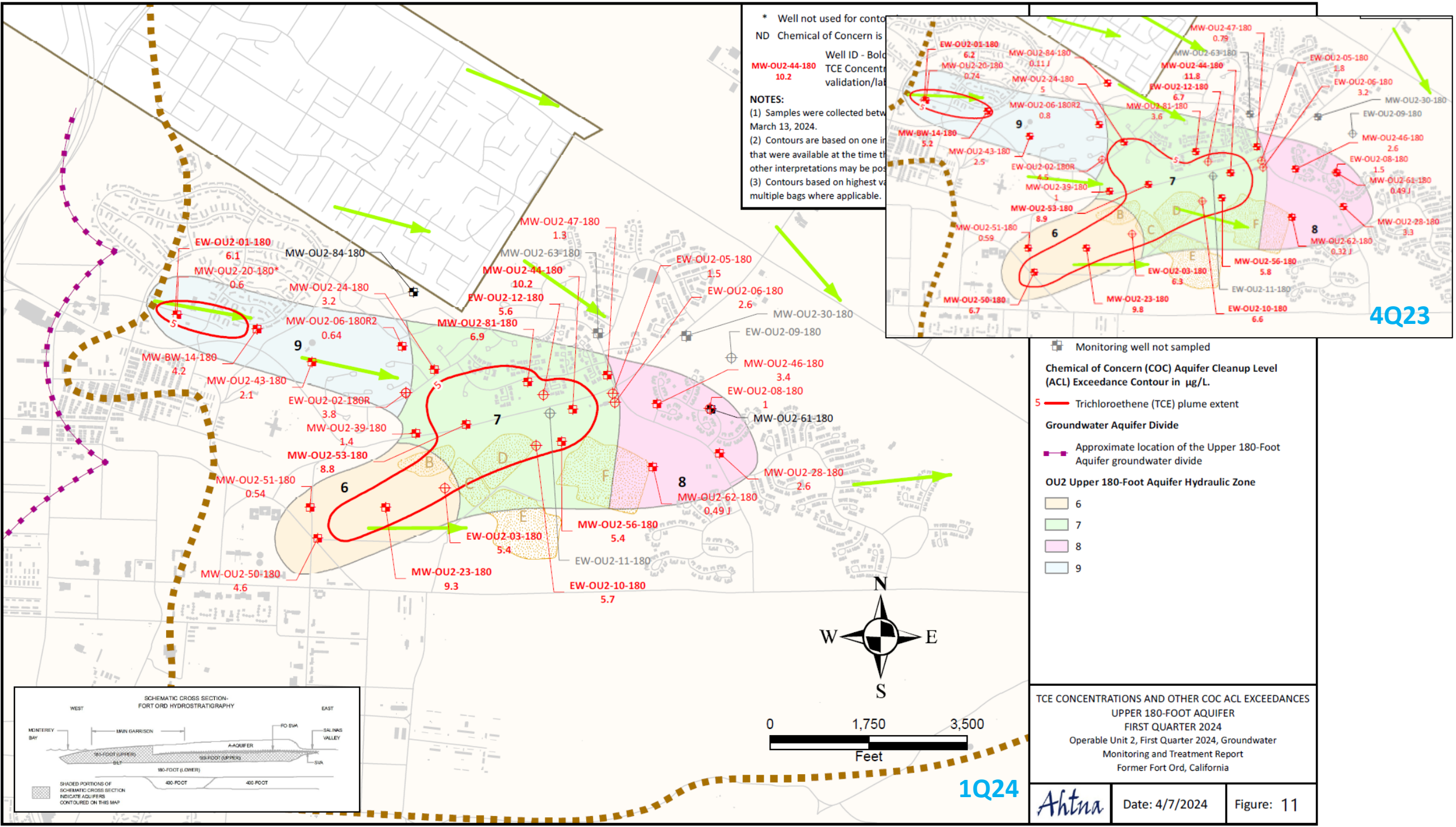

1Q24
MW-OU2-08-A
ND
MW-OU2-07-A
ND
EW-OU2-13-A
3.9
MW-OU2-81-A
8.6
MW-OU2-76-A
ND
MW-OU2-83-A
2.5
MW-OU2-75-A
4.6
MW-OU2-05-AR
1.3
MW-OU2-06-AR
1.3
MW-OU2-04-A
0.2 J
EW-OU2-09-A
0.17 J
EW-OU2-10-A
0.56
EW-OU2-11-AR
2.6
MW-OU2-25-A
0.46 J
3
1
B
D
F

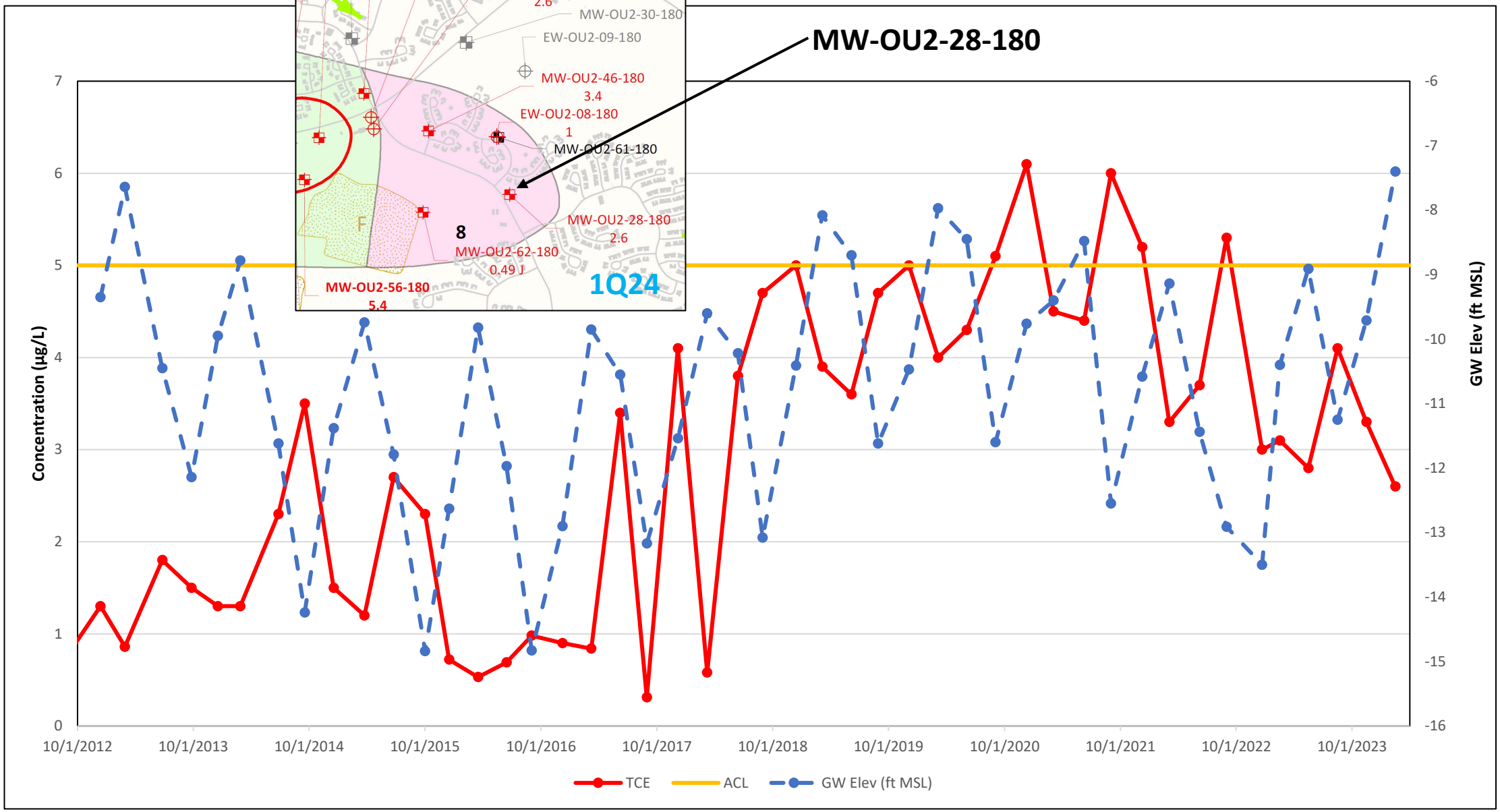

COC/ACL Ratio
GW Elev (ft MSL)
0
1
2
3
4
5
6
7
8
9
10
58
58.5
59
59.5
60
60.5
61
61.5
1/1/2018
7/1/2018
1/1/2019
7/1/2019
1/1/2020
7/1/2020
1/1/2021
7/1/2021
1/1/2022
7/1/2022
1/1/2023
7/1/2023
1/1/2024
Cis-1,2-DCE Ratio ACL
1,2-DCA Ratio ACL
VC Ratio ACL
1,1-DCA Ratio ACL
PCE Ratio ACL
TCE Ratio ACL
Chlorf Ratio ACL
COC=ACL
GW Elev (ft MSL)

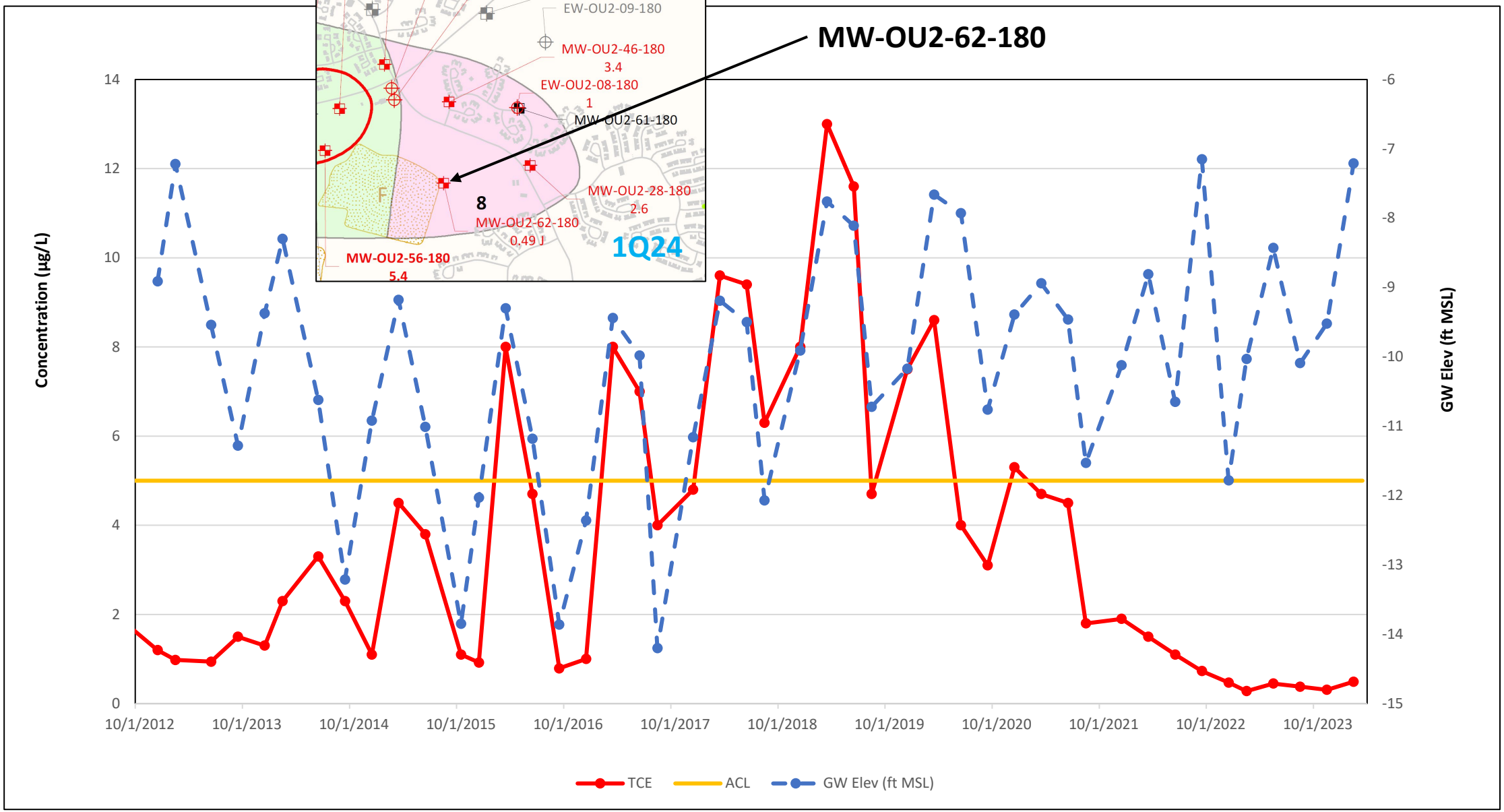
MW-OU2-75-A


COC/ACL Ratio
GW Elev (ft MSL)
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
74
73.5
73
72.5
72
71.5
71
70.5
1/1/2018
7/1/2018
1/1/2019
7/1/2019
1/1/2020
7/1/2020
1/1/2021
7/1/2021
1/1/2022
7/1/2022
1/1/2023
7/1/2023
1/1/2024
PCE Ratio ACL
Chlorf Ratio ACL
1,1-DCA Ratio ACL
TCE Ratio ACL
VC Ratio ACL
COC=ACL
GW Elev (ft MSL)


1Q24
MW-OU2-08-A
ND
MW-OU2-07-A
ND
EW-OU2-13-A
3.9
MW-OU2-81-A
8.6
MW-OU2-76-A
ND
MW-OU2-83-A
2.5
MW-OU2-75-A
4.6
MW-OU2-05-AR
1.3
MW-OU2-06-AR
1.3
MW-OU2-04-A
0.2 J
EW-OU2-09-A
0.17 J
EW-OU2-10-A
0.56
EW-OU2-11-AR
2.6
MW-OU2-25-A
0.46 J
3
1
B
D
F


* Well not used for conto
ND Chemical of Concern is
MW-OU2-44-180 10.2
Well ID - Bold
TCE Concentr
validation/lab
NOTES:
(1) Samples were collected betw
March 13, 2024.
(2) Contours are based on one i
that were available at the time th
other interpretations may be pos
(3) Contours based on highest va
multiple bags where applicable.
EW-OU2-01-180 6.1
MW-OU2-20-180* 0.6
MW-OU2-84-180
MW-OU2-24-180 3.2
MW-OU2-06-180R2 0.64
MW-BW-14-180 4.2
MW-OU2-43-180 2.1
EW-OU2-02-180R 3.8
MW-OU2-39-180 1.4
MW-OU2-53-180 8.8
MW-OU2-51-180 0.54
MW-OU2-50-180 4.6
MW-OU2-47-180 1.3
MW-OU2-63-180
MW-OU2-44-180 10.2
EW-OU2-12-180 5.6
MW-OU2-81-180 6.9
EW-OU2-05-180 1.5
EW-OU2-06-180 2.6
MW-OU2-30-180
EW-OU2-09-180
MW-OU2-46-180 3.4
EW-OU2-08-180 1
MW-OU2-61-180
MW-OU2-28-180 2.6
MW-OU2-62-180 0.49 J
MW-OU2-56-180 5.4
EW-OU2-03-180 5.4
EW-OU2-11-180
MW-OU2-23-180 9.3
EW-OU2-10-180 5.7
9
7
6
8
B
C
D
E
F
5
N
W
E
S
0
1,750
3,500
Feet
1Q24
SCHEMATIC CROSS SECTION-
FORT ORD HYDROSTRATIGRAPHY
WEST
EAST
MONTEREY BAY
MAIN GARRISON
FO-SVA
SALINAS VALLEY
A-AQUIFER
180-FOOT (UPPER)
SILT
SVA
180-FOOT (LOWER)
400-FOOT
SHADED PORTIONS OF SCHEMATIC CROSS SECTION INDICATE AQUIFERS CONTOURED ON THIS MAP
MW-OU2-47-180 0.79
EW-OU2-01-180 6.2
MW-OU2-84-180 0.11 J
MW-OU2-63-180
MW-OU2-20-180 0.74
MW-OU2-44-180 11.8
MW-OU2-24-180 5
EW-OU2-12-180 6.7
EW-OU2-05-180 1.8
EW-OU2-06-180 3.2
MW-OU2-30-180
MW-OU2-06-180R2 0.8
MW-OU2-81-180 3.6
EW-OU2-09-180
MW-BW-14-180 5.2
MW-OU2-46-180 2.6
MW-OU2-43-180 2.5
EW-OU2-08-180 1.5
EW-OU2-02-180R 4.5
MW-OU2-61-180 0.49 J
MW-OU2-39-180 1
MW-OU2-53-180 8.9
MW-OU2-28-180 3.3
MW-OU2-51-180 0.59
MW-OU2-62-180 0.32 J
MW-OU2-56-180 5.8
EW-OU2-03-180 6.3
EW-OU2-11-180
MW-OU2-50-180 6.7
MW-OU2-23-180 9.8
EW-OU2-10-180 6.6
4Q23
Monitoring well not sampled
Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.
5 Trichloroethene (TCE) plume extent
Groundwater Aquifer Divide
Approximate location of the Upper 180-Foot Aquifer groundwater divide
OU2 Upper 180-Foot Aquifer Hydraulic Zone
6
7
8
9
TCE CONCENTRATIONS AND OTHER COC ACL EXCEEDANCES
UPPER 180-FOOT AQUIFER
FIRST QUARTER 2024
Operable Unit 2, First Quarter 2024, Groundwater Monitoring and Treatment Report
Former Fort Ord, California
Ahtna
Date: 4/7/2024
Figure: 11


MW-OU2-28-180
EW-OU2-05-180
1.5
EW-OU2-06-180
2.6
MW-OU2-30-180
EW-OU2-09-180
MW-OU2-46-180
3.4
EW-OU2-08-180
1
MW-OU2-61-180
MW-OU2-28-180
2.6
8
MW-OU2-62-180
0.49 J
MW-OU2-56-180
5.4
1Q24
Concentration (µg/L)
GW Elev (ft MSL)
0
1
2
3
4
5
6
7
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
10/1/2012
10/1/2013
10/1/2014
10/1/2015
10/1/2016
10/1/2017
10/1/2018
10/1/2019
10/1/2020
10/1/2021
10/1/2022
10/1/2023
TCE
ACL
GW Elev (ft MSL)


MW-OU2-62-180
EW-OU2-05-180
1.5
EW-OU2-06-180
2.6
MW-OU2-30-180
EW-OU2-09-180
MW-OU2-46-180
3.4
EW-OU2-08-180
1
MW-OU2-61-180
MW-OU2-28-180
2.6
8
MW-OU2-62-180
0.49 J
1Q24
MW-OU2-56-180
5.4
F
Concentration (µg/L)
GW Elev (ft MSL)
14
12
10
8
6
4
2
0
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
10/1/2012
10/1/2013
10/1/2014
10/1/2015
10/1/2016
10/1/2017
10/1/2018
10/1/2019
10/1/2020
10/1/2021
10/1/2022
10/1/2023
TCE
ACL
GW Elev (ft MSL)