

**Table 1:** May-June 2022 – Sites 2/12 GWTP and SVTU Statistics

Monthly Statistics	Volume Treated	Average Flow	Percent of Time Online	COC Mass Removed (pounds)
May 2022 GWTP	1,738,080 gal	38.9 gpm	27.4	0.05
June 2022 GWTP	5,572,881 gal	129 gpm	89.3	0.16
Total since April 1999	2.290 billion gal			496
May 2022 SVTU	0 scf	0 scfm	0	0
June 2022 SVTU	0 scf	0 scfm	0	0
Total since September 2015	1.374 billion scf			9.9

**Table 2:** May & July 2022 – Sites 2/12 Treated Water Analytical Results at TS-212-INJ

COC	Discharge Limit (µg/L) <sup>2</sup>	Sample Date / Analytical Results	
		5/25/2022	7/5/2022*
1,1-Dichloroethene (1,1-DCE)	6	ND (0.25)	ND (0.25)
1,2-Dichloroethane (1,2-DCA)	0.5	0.13 J	ND (0.25)
1,3-dichloropropene (1,3-DCP) <sup>1</sup>	0.5	ND (0.25)	ND (0.25)
Chloroform	2	0.32 J	ND (0.25)
cis-1,2-dichloroethene (cis-1,2-DCE)	6	1.3	0.11 J
Tetrachloroethene (PCE)	5	ND (0.25)	ND (0.25)
Trichloroethene (TCE)	5	0.21 J	ND (0.25)
Vinyl Chloride (VC)	0.1	ND (0.1)	ND (0.1)

## May-June and Future 2022 Key Events

- May 9: Sample collected from EW-12-08-180U, PCE concentrations above ACL.
- May 23: Site 2/12 GWTP restarted (shutdown Apr 22).
- May 23-25: Second Quarter 2022 Soil Gas Sampling Event, soil gas probes SG-12-07-65, SG-12-17-60, and SG-12-20-70 added.
- May 25: Sample collected from EW-12-08-180U, PCE concentrations below ACL.
- June 4-7: GWTP shutdown due to power outage, EW-12-08-180U inoperable, restarted June 7.
- Jun 6-10: Second Quarter 2022 Groundwater Monitoring Program event.
- June 7: Sample collected from EW-12-08-180U, PCE concentrations above ACL.
- July 5: Sample collected from EW-12-08-180U, PCE concentrations below ACL.
- Samples currently collected monthly from EW-12-05-180M and EW-12-08-180U.
- Operate SVETS.
- Shea Homes or Monterey Motorsports will decommission EW-12-04-180U, EW-12-04-180M, and MW-12-05-180 (no date set). Meeting with Doug Yount on Apr 26.
- Shea Homes or The Brass Tap will decommission SG-12-18 (no date set).

### Notes:

\*Preliminary results

<sup>1</sup> The reported value is the sum of both cis- and trans-isomers.

<sup>2</sup> Discharge limits are the ACLs for injection over the plume.

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

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

gpm: gallon(s) per minute

gal: gallon(s)

COC: chemical of concern

NC: Not calculated

NS: Not sampled

scf: standard cubic foot or feet

**Table 3.** Sites 2/12 Groundwater Extraction/Monitoring Well Data TCE

Well Identification <sup>1</sup>	Select COC Concentrations (µg/L) <sup>2</sup>												
	3Q 2019	4Q 2019	1Q 2020	2Q 2020	3Q 2020	4Q 2020	1Q 2021	2Q 2021	3Q 2021	4Q 2021	1Q2022	2Q2022*	3Q2022*
<b>ACL:</b>	<b>5.0</b>												
EW-12-03-180M	1.7	1.3	2.1	0.62	2.4	2.3	0.14 J	0.7	0.6	0.26 J	0.12 J	0.26 J	
EW-12-05-180M	1.9	2.1	0.6	2.1	1.9	2.4	2	2.3	2.1	1.9	1.9	2.9 2.0 2.6	2.3
EW-12-07-180M	1.1	0.81	0.78	0.63	0.54	0.59	0.56 J+	0.45 J	0.45 J	0.43 J	0.43 J	0.57	
EW-12-08-180U	0.47 J	0.36 J	0.31 J	0.35 J	0.36 J	0.16 J	0.27 J	0.25 J	0.32 J 0.30 J	0.27 J	0.28 J ND (0.25) 0.26 J 0.23 J	0.29 J 0.39 J 0.26 J 0.60	0.38 J
MW-12-09R-180	1.9	1.7	2.3	1.4	1.2	1.6	1.7	1.4	1.3 J+	1.5	1.4	0.84	
MW-12-14-180M	2.4	1.5	1.6	1.9	2.1	1.2	1.4 J+	1.4	1.7	1.1	1.1	1.4	
MW-12-16-180M	1.2	1.5	1.8	1.8	1.7	2.0	2.6	2.1	2.1	2.4	1.8	1.7	
MW-12-20-180U	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.066)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	
MW-12-21-180U	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.066)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	
MW-12-24-180U	0.13 J	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.066)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	
MW-12-28-180U	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.066)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	NS	
MW-12-30-180U	ND (0.25)	ND (0.25)	ND (0.25)	0.13 J	ND (0.25)	0.16 J	0.21 J	0.18 J	0.19 J	0.17 J	0.17 J	0.13 J	
MW-12-32-180U	0.42 J	0.54	0.84	0.57	0.64	0.7	0.55	0.62	0.71	0.46 J	0.44 J	0.35 J	

**Notes:**

<sup>1</sup> Extraction wells not listed have met the QAPP decision rules to no longer operate.

<sup>2</sup> Concentration in **bold** and shaded exceeds the Aquifer Cleanup Level (ACL). Concentrations in gray text are ND.

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

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

COC: chemical of concern

µg/L: micrograms per liter

\* Preliminary results



**Table 4.** Sites 2/12 Groundwater Extraction/Monitoring Well Data PCE

Well Identification <sup>1</sup>	Select COC Concentrations (µg/L) <sup>2</sup>												
	3Q 2019	4Q 2019	1Q 2020	2Q 2020	3Q 2020	4Q 2020	1Q 2021	2Q 2021	3Q 2021	4Q 2021	1Q2022	2Q2022*	3Q2022*
	PCE												
ACL:	5.0												
EW-12-03-180M	ND (0.25)	0.25 J	ND (0.25)	ND (0.25)	0.18 J	0.16 J	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	
EW-12-05-180M	0.71	0.66	0.68	0.95	0.65	0.79	0.71	0.73	0.61	0.47 J	0.48 J	0.67 0.50 0.61	0.56
EW-12-07-180M	0.28 J	0.27 J	0.24 J	0.19 J	0.12 J	0.14 J	0.16 J	0.12 J	0.10 J	ND (0.25)	ND (0.25)	0.11 J	
EW-12-08-180U	<b>14.1</b>	<b>13.5</b>	<b>8.4</b>	<b>13.1</b>	<b>11.6</b>	<b>6.1</b>	<b>5.3 J+</b>	3.4	<b>5.4 5.9</b>	3.2	4.0 2.3 2.5 2.1	<b>3.3 J- 11.2 3.3 11.1</b>	4.5
MW-12-09R-180	0.28 J	0.29 J	0.34 J	0.30 J	0.21 J	0.26 J	0.27 J	0.21 J	0.20 J	0.21 J	0.20 J	0.14 J	
MW-12-14-180M	0.28 J	0.34 J	0.31 J	0.43 J	0.36 J	0.32 J	0.34 J	0.31 J	0.34 J	0.28 J	0.20 J	0.25 J	
MW-12-16-180M	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	0.089 J	0.11 J	ND (0.25)	ND (0.25)	0.11 J	ND (0.25)	ND (0.25)	
MW-12-20-180U	2.7	<b>5.6</b>	0.94	2.0	3.1	0.87	0.81	0.75	0.79	0.55	0.51	0.70	
MW-12-21-180U	0.28 J	0.38 J	0.35 J	0.23 J	0.41 J	0.38 J	0.38 J	0.36 J	0.35 J	0.28 J	0.29 J	0.27 J	
MW-12-24-180U	1.8	3.1	0.6	0.94	0.33 J	0.36 J	0.68	0.29 J	0.37 J	0.40 J	0.40 J	0.34 J	
MW-12-28-180U	0.33 J	0.31 J	0.52	0.42 J	0.39 J	0.36 J	0.29 J	0.32 J	0.26 J	0.25 J	0.19 J	NS	
MW-12-30-180U	0.36 J	0.41 J	0.46 J	0.63	0.56	0.63	0.62	0.48 J	0.39 J	0.46 J	0.40 J	0.40 J	
MW-12-32-180U	0.41 J	0.54	0.71	0.48 J	0.64	0.73	0.50	0.52	0.63	0.47 J	0.38 J	0.35 J	

**Notes:**

<sup>1</sup> Extraction wells not listed have met the QAPP decision rules to no longer operate.

<sup>2</sup> Concentration in **bold** and shaded exceeds the Aquifer Cleanup Level (ACL). Concentrations in gray text are ND.

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

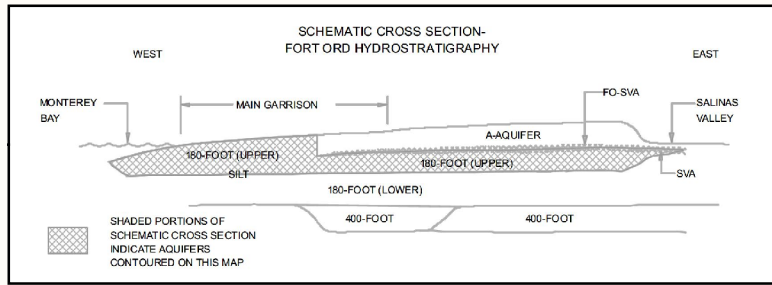
ND: The analyte was not detected at or above the limit of detection (LOD)

COC: chemical of concern

µg/L: micrograms per liter

\* Preliminary results





EW-12-05-180M Samples for 2Q2022		
DATE	PCE	TCE
5/9/2022	0.67	2.9
5/25/2022	0.50	2.0
6/7/2022	0.61	2.6

EW-12-08-180U Samples for 2Q2022		
DATE	PCE	TCE
4/12/2022	3.3 J-	0.29 J
5/9/2022	<b>11.2</b>	0.39 J
5/25/2022	3.3	0.26 J
6/7/2022	<b>11.1</b>	0.60

### EXPLANATION

- Roads
- General groundwater flow direction
- Facilities

**Chemicals of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L**

- Tetrachloroethene (PCE)

**Well Type and PCE Detection**

- Site 12 Groundwater Extraction Well: PCE detection is above the ACL
- Site 12 Groundwater Extraction Well: PCE detection is less than or equal to ACL
- Site 12 Groundwater Extraction Well: PCE is non-detect
- Site 12 Groundwater Extraction Well: Well not sampled
- Site 12 Groundwater Monitoring Well: PCE detection less than or equal to ACL
- Site 12 Groundwater Monitoring Well: PCE detection is non-detect
- Site 12 Groundwater Monitoring Well: Well not sampled

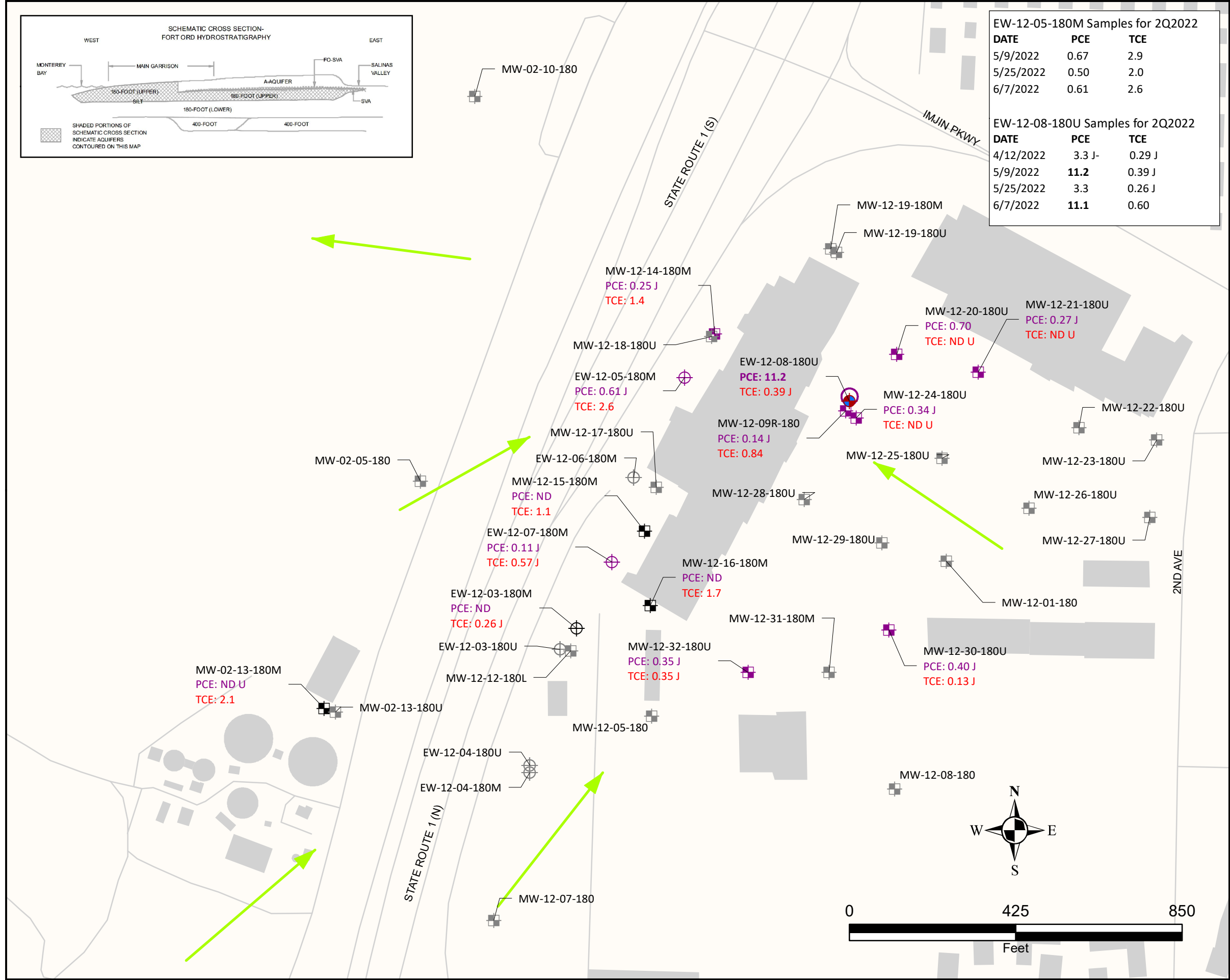
ND Chemical of Concern (COC) is non-detect

Well ID - Sample Location and Probe Depth  
 EW-12-08-180U TCE and PCE concentration (µg/L) with validation/lab qualifier.  
**PCE: 11.2**  
**TCE: 0.39 J** Bold when exceeds the ACL.

**NOTES:**

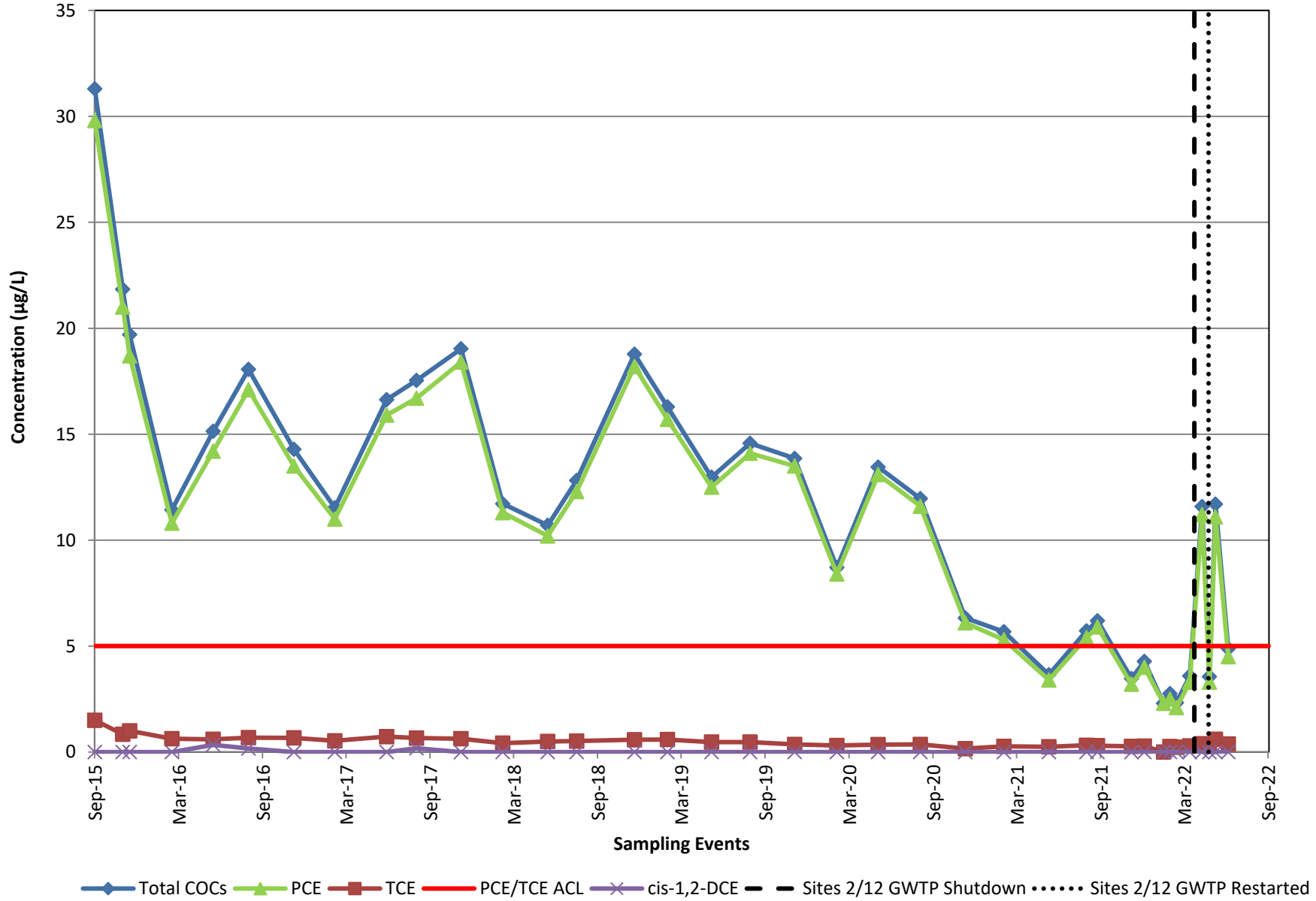
- Second quarter samples were collected between April 1, 2022 and June 30, 2022.
- Contour is based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
- Contours based on highest value obtained from multiple bags where applicable.
- PCE and other COC ACL exceedance plumes are illustrated when present.

GROUNDWATER PCE/TCE CONCENTRATIONS  
 UPPER 180-FOOT AQUIFER WEST OF THE SVA  
 SECOND QUARTER 2022  
 Sites 2 and 12, Second Quarter 2022  
 Groundwater and Soil Gas Monitoring and Treatment  
 System Report, Former Fort Ord, California

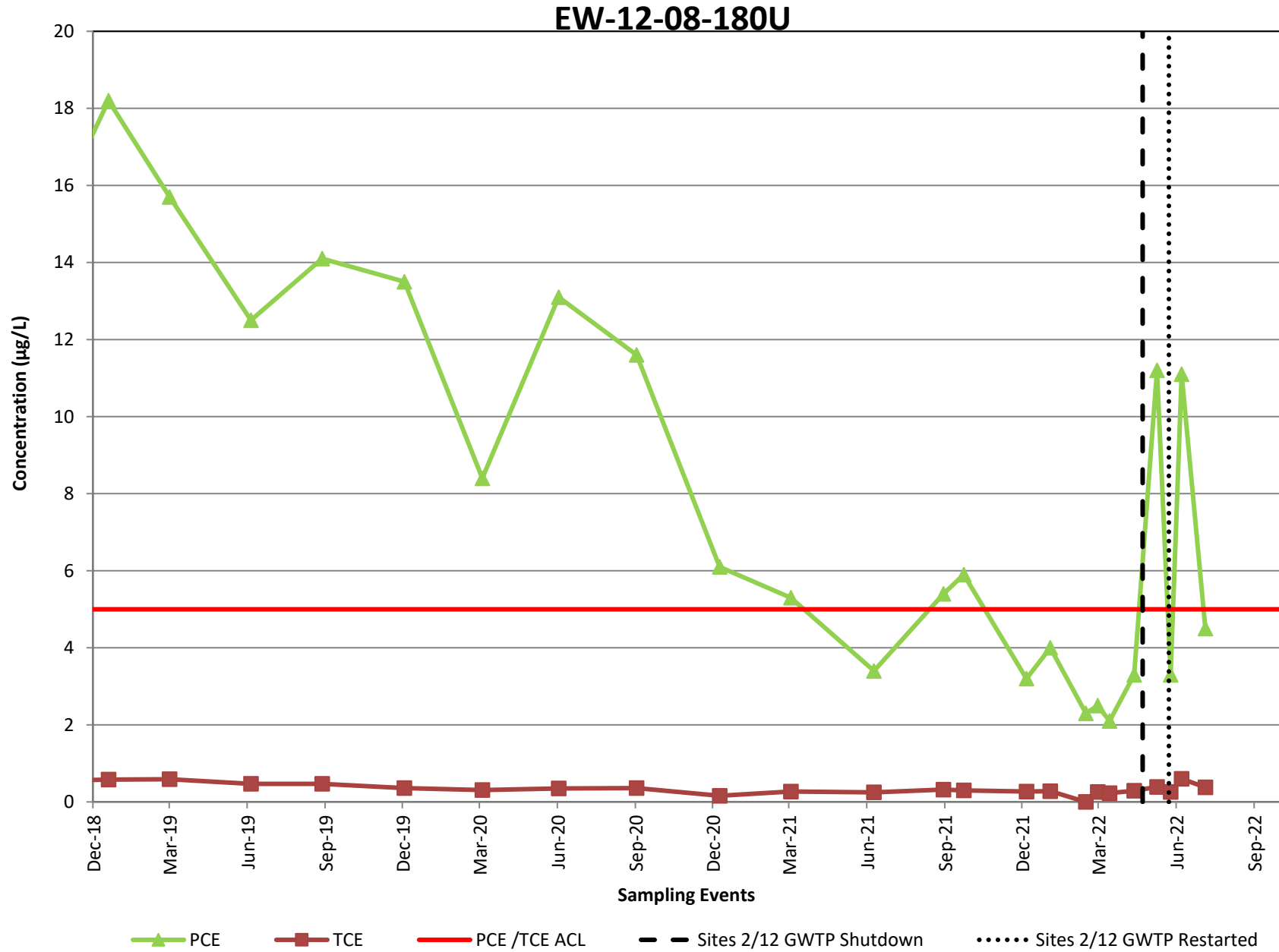


### EW-12-08-180U

Full data set



Recent data set



**Table 5. Sites 2/12 Soil Gas PCE Monitoring Results**

Soil Gas Probe ID	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	Schedule
	PCE										
SG-12-01-30	230	ND	450	370	270	NS	490	NS	NS	NS	RB
SG-12-01-58	230	ND	410	ND	NS	NS	NS	NS	NS	NS	RB
SG-12-01-65	210	ND	330	270	220	280	380	NS	NS	NS	R
SG-12-02-10	<b>790</b>	<b>970</b>	<b>1,200</b>	<b>1,200</b>	540	<b>770</b>	<b>1,100</b>	<b>880</b>	<b>630</b>	<b>920</b>	Q <sup>1</sup>
SG-12-02-20	NS	NS	<b>940</b>	NS	NS	NS	<b>800</b>	NS	NS	NS	A
SG-12-02-30	NS	NS	<b>760</b>	NS	NS	NS	<b>730</b>	NS	NS	NS	A
SG-12-02-40	NS	NS	<b>830</b>	NS	NS	NS	<b>720</b>	NS	NS	NS	A
SG-12-02-50	NS	NS	<b>820</b>	NS	NS	NS	<b>720</b>	NS	NS	NS	A
SG-12-02-57	NS	NS	<b>760</b>	NS	NS	NS	290	NS	NS	NS	A
SG-12-02-65	NS	NS	600	NS	NS	NS	NS	NS	NS	NS	R
SG-12-04-10	120	ND	100	120	100	150	280	290	220	<b>350</b>	Q <sup>3</sup>
SG-12-04-20	110	ND	100	130	99	150	260	260	210	<b>320</b>	Q <sup>3</sup>
SG-12-04-40	92	ND	83 J	87	89	NS	120	180	190	<b>260</b>	INV
SG-12-04-50	92	52 J	85	110	100	120	210	200	210	<b>260</b>	Q <sup>3</sup>
SG-12-04-58	110	ND	81 J	120	NS	NS	NS	68 J	190	<b>230</b>	INV
SG-12-04-65	97	ND	88	130	100	140	220	210	180	<b>320</b>	Q <sup>3</sup>
SG-12-06-10	120	ND	110	180	100	140	230	150	200	<b>260</b>	Q <sup>1</sup>
SG-12-06-70	160	NS	160	210	180	190	260	270	290	<b>310</b>	Q <sup>2</sup>
SG-12-07-65	380	NS	170	260	NS	NS	NS	NS	NS	<b>670</b>	INV
SG-12-17-60	ND	NS	ND	ND	NS	NS	NS	NS	NS	ND	INV
SG-12-20-70	320	NS	300	380	NS	NS	NS	NS	NS	<b>410</b>	INV

**Notes:**

\*Preliminary results

A = Annual

J = estimated result below the limit of quantitation (LOQ)

INV = investigation (adjacent probe above SGCL/SG-SL)

ND = not detected above the limit of detection (LOD)

NS = not sampled

Q = Quarterly

R = Removed

RB = Rebound Study probe

Concentrations in **bold** exceed the SGCL

Concentrations in *italics* exceed the SG-SL

Results reported in micrograms per cubic meter (µg/m<sup>3</sup>)

<sup>1</sup> Quarterly probe due to proximity of store front in an area of historic soil gas concentrations above the SGCL.

<sup>2</sup> Will continue to sample probe quarterly if it is within the vicinity of the current groundwater plume above the ACL (probe adjacent to deepest probe will be sampled in lieu if deepest probe is in saturated zone).

<sup>3</sup> Quarterly probe due to concentration above SGCL.

	SGCL (µg/m <sup>3</sup> )	SG-SL (µg/m <sup>3</sup> )
PCE	<b>1,800</b>	<i>603</i>
TCE	<b>1,000</b>	<i>888</i>

**Table 6.** Sites 2/12 Soil Gas TCE Monitoring Results

Soil Gas Probe ID	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	Schedule
	TCE										
SG-12-01-30	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS	RB
SG-12-01-58	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	RB
SG-12-01-65	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	R
SG-12-02-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Q <sup>1</sup>
SG-12-02-20	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	A
SG-12-02-30	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	A
SG-12-02-40	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	A
SG-12-02-50	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	A
SG-12-02-57	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	A
SG-12-02-65	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	R
SG-12-04-10	<b>1,300</b>	ND	360	620	780	<b>1,400</b>	<b>2,000</b>	<b>1,900</b>	<b>1,700</b>	<b>2,400</b>	Q <sup>3</sup>
SG-12-04-20	<b>1,100</b>	52 J	350	510	770	<b>1,300</b>	<b>1,900</b>	<b>1,900</b>	<b>1,600</b>	<b>2,000</b>	Q <sup>3</sup>
SG-12-04-40	90	ND	ND	56 J	88	NS	220	780	780	<b>1,400</b>	INV
SG-12-04-50	630	140	180	230	530	720	<i>1,000</i>	<b>1,300</b>	<b>1,200</b>	<b>1,400</b>	Q <sup>3</sup>
SG-12-04-58	440	46 J	170	250	NS	NS	NS	540	<i>910</i>	<i>1,000</i>	INV
SG-12-04-65	<i>890</i>	150	220	440	560	<i>1,000</i>	<b>1,500</b>	<b>1,500</b>	<b>1,200</b>	<b>2,200</b>	Q <sup>3</sup>
SG-12-06-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Q <sup>1</sup>
SG-12-06-70	ND	NS	ND	ND	ND	ND	ND	140	ND	ND	Q <sup>2</sup>
SG-12-07-65	51 J	NS	ND	ND	NS	NS	NS	NS	NS	42 J	INV
SG-12-17-60	740	NS	670	760	NS	NS	NS	NS	NS	620	INV
SG-12-20-70	ND	NS	ND	100	NS	NS	NS	NS	NS	ND	INV

**Notes:**

\*Preliminary results

A = Annual

J = estimated result below the limit of quantitation (LOQ)

INV = investigation (adjacent probe above SGCL/SG-SL)

ND = not detected above the limit of detection (LOD)

NS = not sampled

Q = Quarterly

R = Removed

RB = Rebound Study probe

Concentrations in **bold** exceed the SGCL

Concentrations in *italics* exceed the SG-SL

Results reported in micrograms per cubic meter (µg/m<sup>3</sup>)

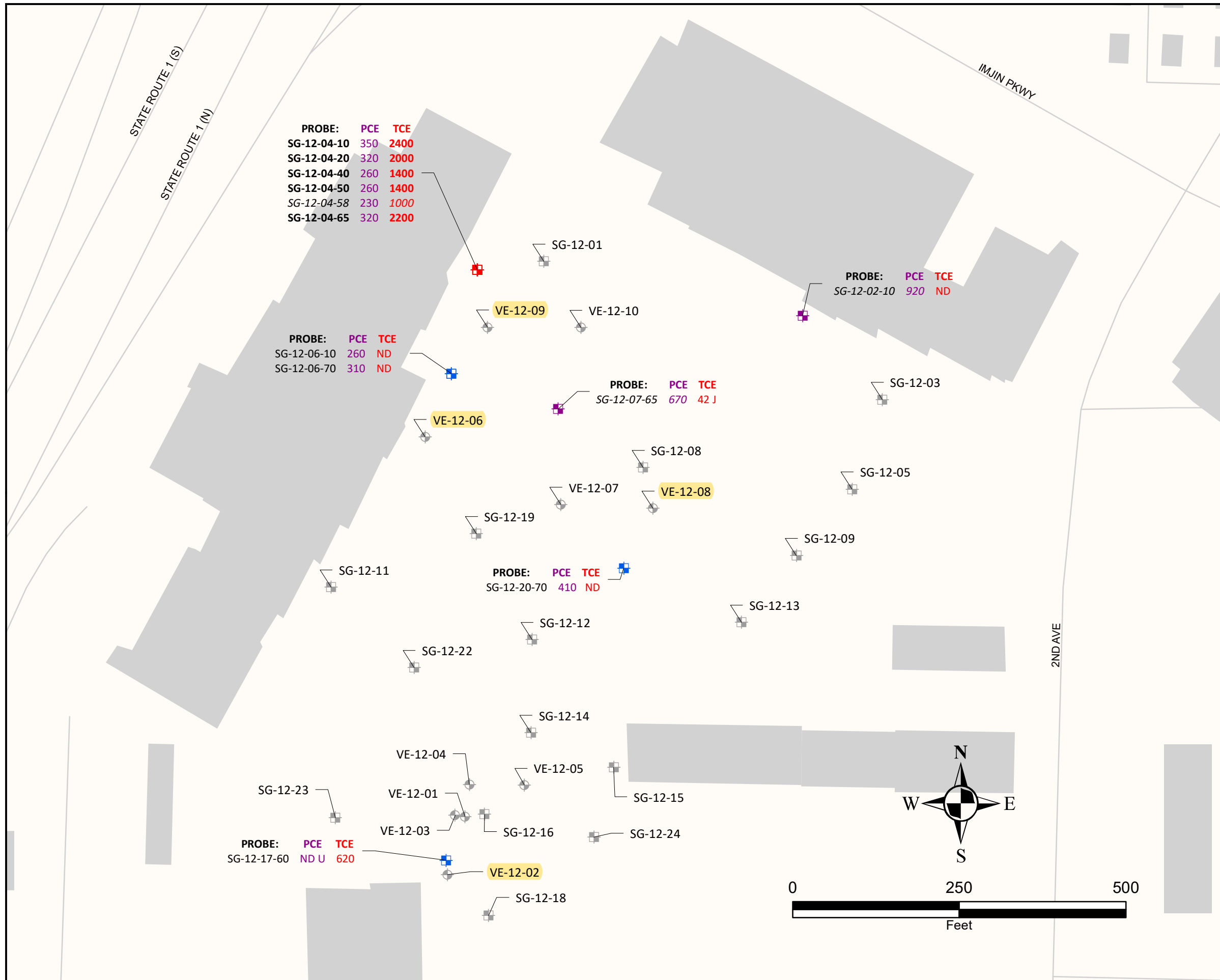
<sup>1</sup> Quarterly probe due to proximity of store front in an area of historic soil gas concentrations above the SGCL.

<sup>2</sup> Will continue to sample probe quarterly if it is within the vicinity of the current groundwater plume above the ACL (probe adjacent to deepest probe will be sampled in lieu if deepest probe is in saturated zone).

<sup>3</sup> Quarterly probe due to concentration above SGCL.

	SGCL (µg/m <sup>3</sup> )	SG-SL (µg/m <sup>3</sup> )
PCE	<b>1,800</b>	603
TCE	<b>1,000</b>	888





### EXPLANATION

- Site 12 Soil Gas Probe Cluster: PCE is above SG-SL but below or equal to SGCL and TCE is below or equal to SG-SL
  - Site 12 Soil Gas Probe Cluster: Tetrachloroethene (PCE) and trichloroethene (TCE) is below or equal to SG-SL
  - Site 12 Soil Gas Probe Cluster: TCE is above SGCL levels and PCE is below or equal to SG-SL
  - Site 12 Soil Gas Probe Cluster: Probe not sampled
  - Site 12 Soil Vapor Extraction Well: Extraction well not sampled
  - Roads
  - Facilities
- ND Chemical of Concern (COC) is non-detect

Well ID - Sample Location and Probe Depth  
 TCE and PCE concentration (µg/L) with validation/lab qualifier.  
 Italics when exceeds the SG-SL  
 Bold when exceeds the SGCL.

### NOTES:

- (1) Samples were collected between May 23, 2022 and May 25, 2022.
- (2) SGCL refers to Soil Gas Cleanup Level
- (3) SG-SL refers to Soil Gas Screening Level

SOIL GAS PCE/TCE CONCENTRATIONS  
 AND SGCL EXCEEDANCES  
 SECOND QUARTER 2022  
 Sites 2 and 12, Second Quarter 2022  
 Groundwater and Soil Gas Monitoring and Treatment  
 System Report, Former Fort Ord, California

