

**Table 1:** July – Sept 2023 – Sites 2/12 GWTP and SVTU Statistics

Monthly Statistics	Volume Treated	Temporal Average Flow	Percent of Time Online	COC Mass Removed (pounds)
July 2023 GWTP	2,808,960	63	47.3%	0.15
Aug 2023 GWTP	3,272,160	73	54.8%	0.19
Sept 2023 GWTP	3,946,180	91	69.0%	0.16
<i>Total since April 1999</i>	<i>2.339 billion gal</i>			<i>497.5</i>
July 2023 SVTU	NC	NC	0%	NC
Aug 2023 SVTU	NC	NC	0%	NC
Sept 2023 SVTU	NC	NC	0%	NC
<i>Total since September 2015</i>	<i>1.497 billion scf</i>			<i>10.9</i>

**Notes:**  
 gpm: gallon(s) per minute  
 gal: gallon(s)  
 COC: chemical of concern  
 NC: Not calculated  
 scf: standard cubic foot or feet  
 scfm: standard cubic feet per minute

## Remedial Summary

- **8 COCs:** 1,1-DCE; 1,2-DCA; chloroform; cis-1,2-DCE; PCE; total 1,3-DCP; TCE; and VC.
- **Remediation:** Pump and treat with GAC in the unconfined Upper 180-Foot Aquifer since 1999. Extraction wells added in 2007 and 2015.
- **Monitoring:** Quarterly groundwater monitoring and reporting, including annual 3Q monitoring and reports. Described in the most recent Groundwater QAPP.

## July – Sept 2023 Key Events

- 3Q23 SGMP event Aug 7- 10
- 3Q23 GWMP event Aug 14-18
- ACL exceedances for PCE detected at three wells during 3Q23 (EW-12-08-180U, MW-12-20-180U, and MW-12-24-180U)
- Sep 20 GWTP restarted and operating full time

## Future Key Events

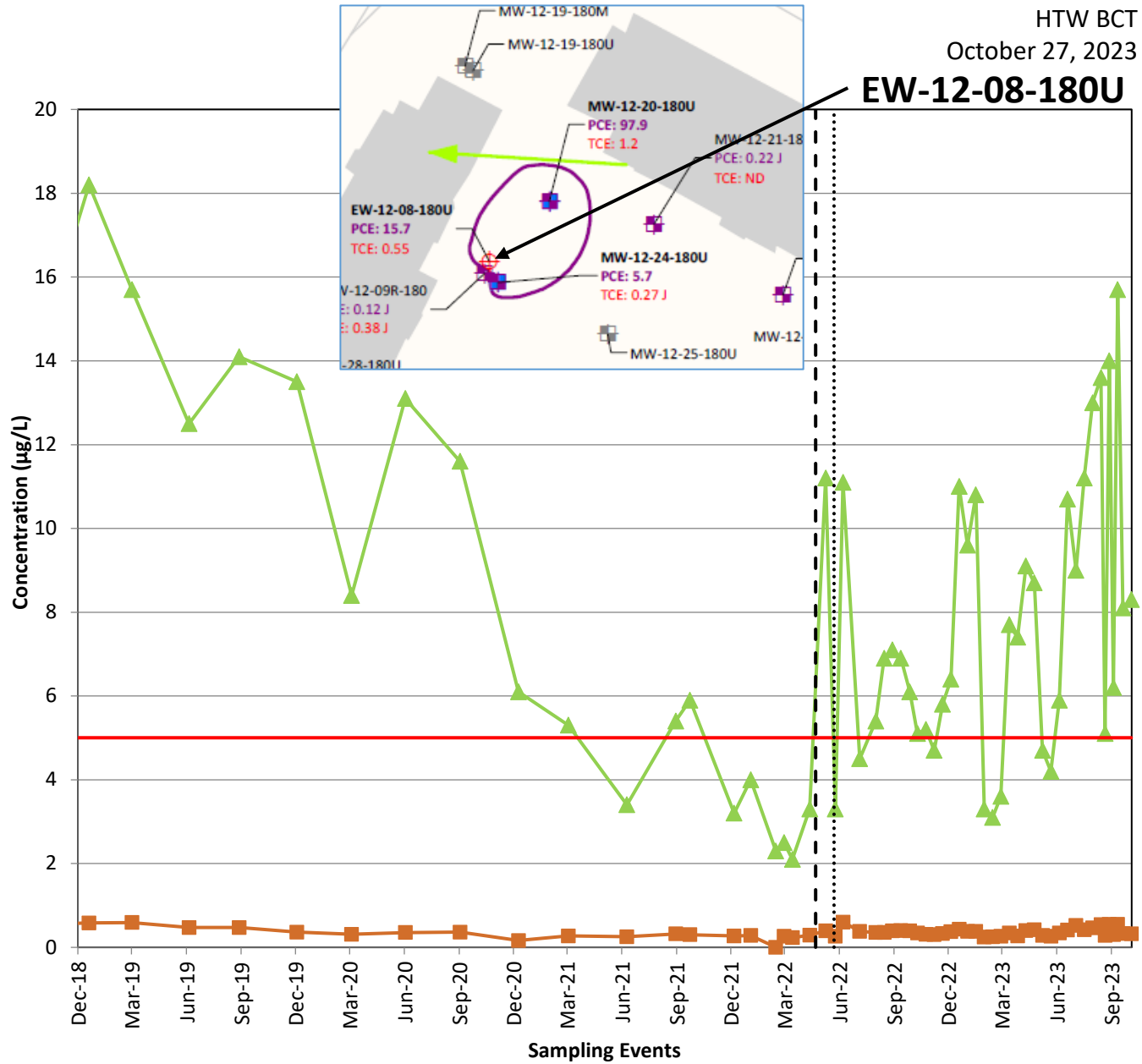
- 4Q23 SGMP Oct 30- Nov 3
- 4Q23 GWMP Nov 13-17
- Nov: Decommission four wells (MW-12-05-180, -07-180, -08-180, and -12-180L).
- Shea Homes or Monterey Motorsports may decommission EW-12-04-180U, EW-12-04-180M (no date set).
- Shea Homes or The Brass Tap may decommission SG-12-18 (no date set).

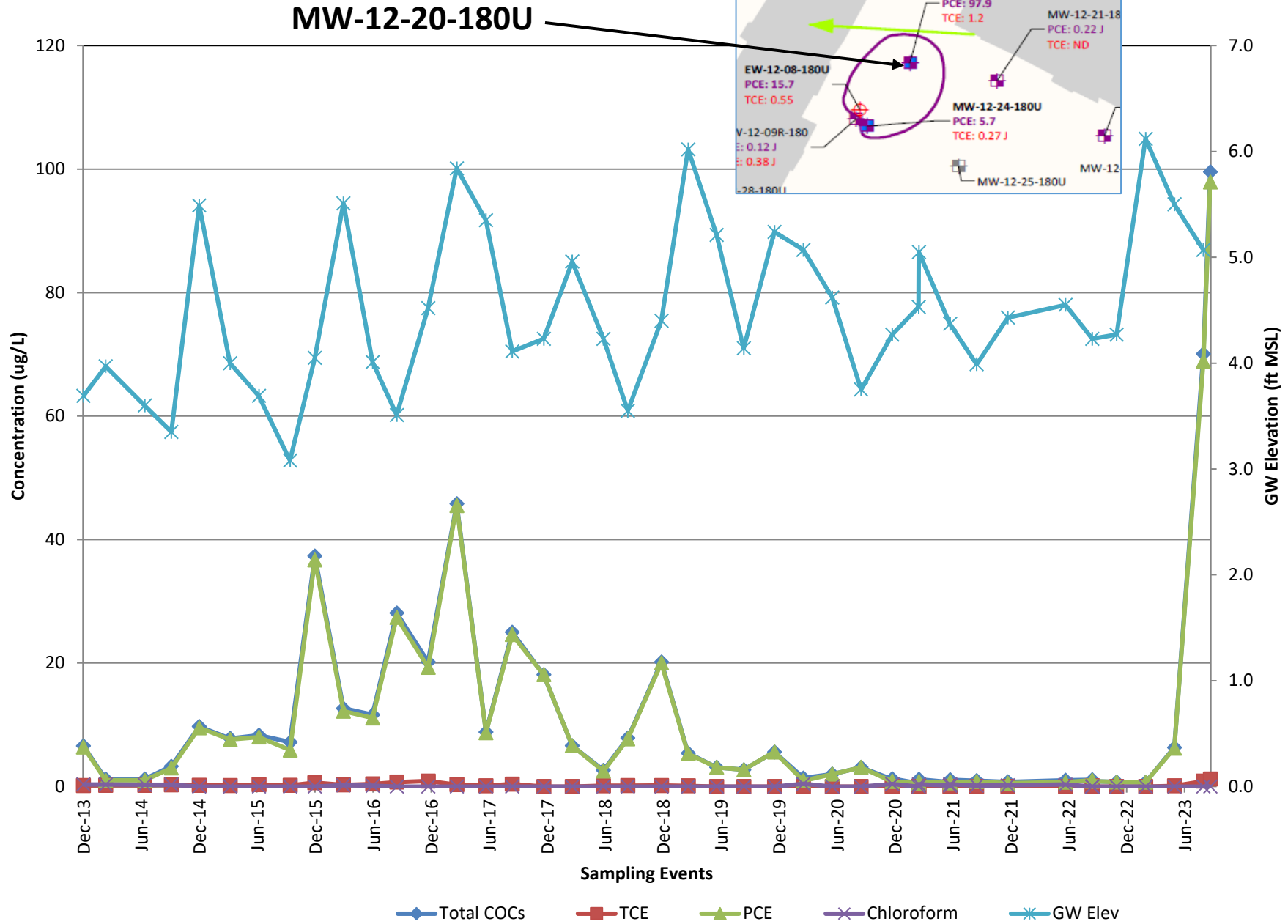
Aug – Sept 2023 Sites 2/12 Treated Water at TS-212-INJ did not exceed discharge limits

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

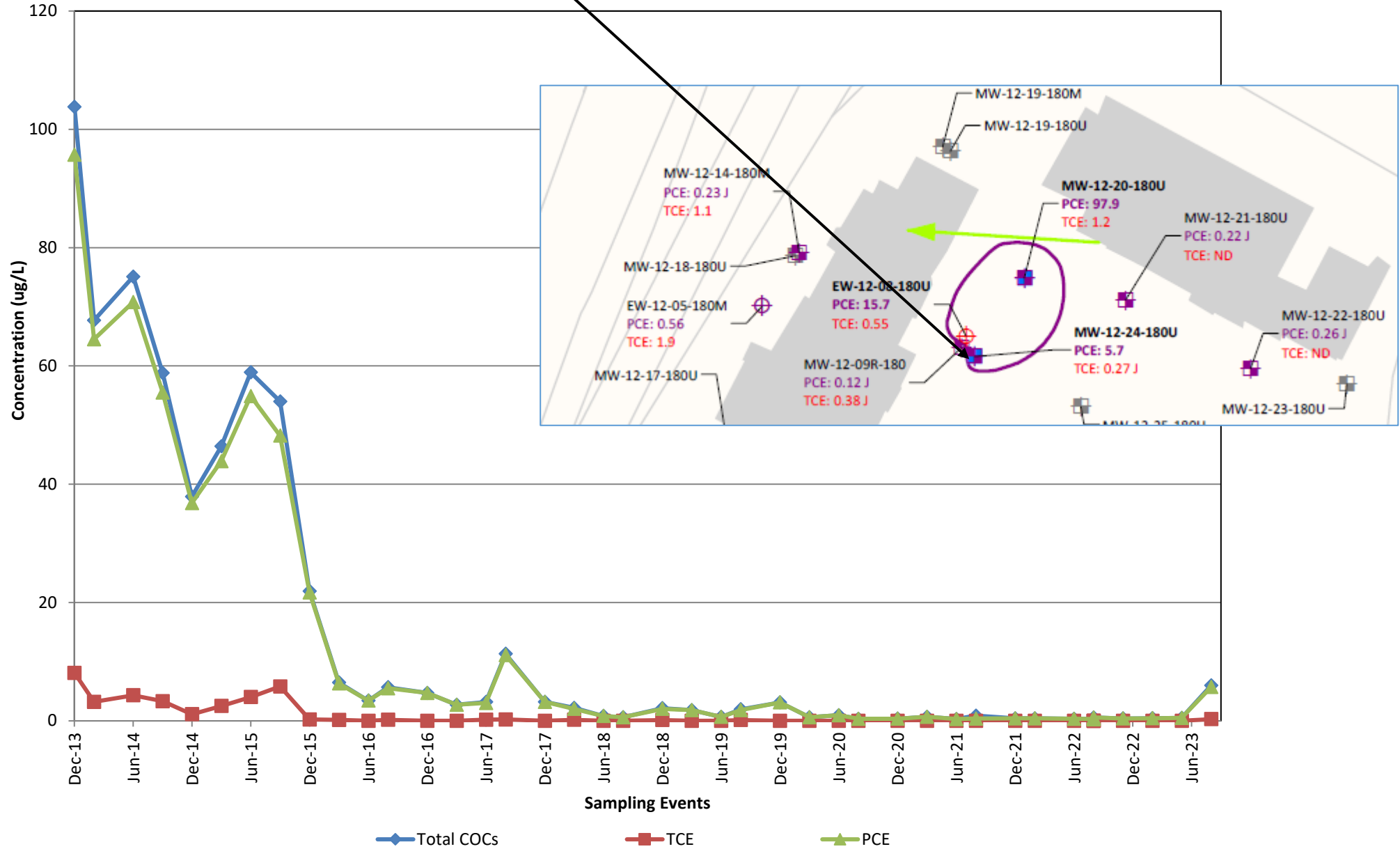
Well Identification <sup>1</sup>	Select COC Concentrations (µg/L) <sup>2</sup>						4Q2023*
	2Q2022	3Q2022	4Q2022	1Q2023	2Q2023	3Q2023	
	PCE						
ACL:	5.0						
EW-12-03-180M	ND (0.25)	0.39 J	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	
EW-12-05-180M	0.67	0.56	ND (0.25)	0.46 J	0.44 J	0.52	
	0.50	0.50		0.47 J	0.49 J	0.51	
EW-12-07-180M	0.61	0.52			0.50	0.54	
					0.47 J	0.56	
EW-12-07-180M	0.11 J	ND (0.25)	ND (0.25)	ND (0.25)	0.13 J	ND (0.25)	
EW-12-08-180U	3.3 J- <b>11.2</b> 3.3 <b>11.1</b>	4.5	<b>5.1</b>	<b>9.6</b>	<b>9.1</b>	<b>9.0</b>	<b>8.3**</b>
		<b>5.4</b>	<b>5.2</b>	<b>10.8</b>	<b>8.7</b>	<b>11.2</b>	
		<b>6.9</b>	4.7	3.3	4.7	<b>13.0</b>	
		<b>7.1</b>	<b>5.8</b>	3.1	4.2 J-	<b>5.1**</b>	
		<b>6.9</b>	<b>6.4</b>	3.6	5.9	<b>14.0</b>	
		<b>6.1 J+</b>	<b>11</b>	<b>7.4</b>	<b>10.7</b>	<b>6.2**</b>	
				<b>15.7</b>	<b>8.1</b>		
MW-12-09R-180	0.14 J	0.65	0.16 J	0.12 J	0.14 J	0.12 J	
MW-12-14-180M	0.25 J	0.27 J	0.20 J	0.20 J	0.22 J	0.23 J	
MW-12-16-180M	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	
MW-12-20-180U	0.70 J-	1.0	0.73	0.68	<b>6.2</b>	<b>68.9</b>	<b>15.5***</b> <b>19.1***</b> <b>19.1***</b>
					2.8	<b>97.9</b>	
MW-12-21-180U	0.27 J	0.24 J	0.30 J	0.11 J	0.17 J	0.22 J	
MW-12-24-180U	0.34 J	0.56	0.39 J	0.43 J	0.47 J	<b>5.7</b>	
MW-12-28-180U	NS	0.33 J	NS	NS	NS	0.34 J	
MW-12-30-180U	0.40 J	0.39 J	0.33 J	0.24 J	0.18 J	0.27 J	
MW-12-32-180U	0.35 J	0.37 J	0.34 J	0.28 J	0.18 J	0.33 J	

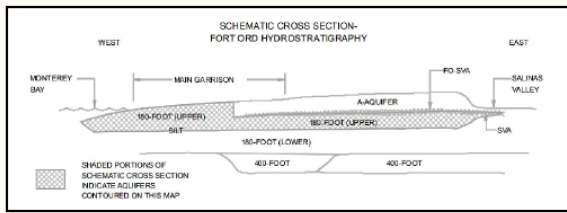
**Notes:**  
<sup>1</sup> Extraction wells not listed have met the QAPP decision rules to no longer operate.  
<sup>2</sup> Concentration in **bold** and shaded exceeds the Aquifer Cleanup Level (ACL). Concentrations in gray text are ND.  
 J: Estimated results below the limit of quantitation (LOQ)  
 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 \*\*\* Profile of Stations 1-3  
 TCE concentrations less than ACL since first quarter 2018 \*\* GWTS on





### MW-12-24-180U





**EW-12-05-180M Samples for 3Q2023**

DATE	PCE	TCE
7/3/2023	0.52	1.9
7/31/2023	0.51	1.7
8/14/2023	0.54	1.8
8/28/2023	0.56	1.8
9/20/2023	0.51	1.7

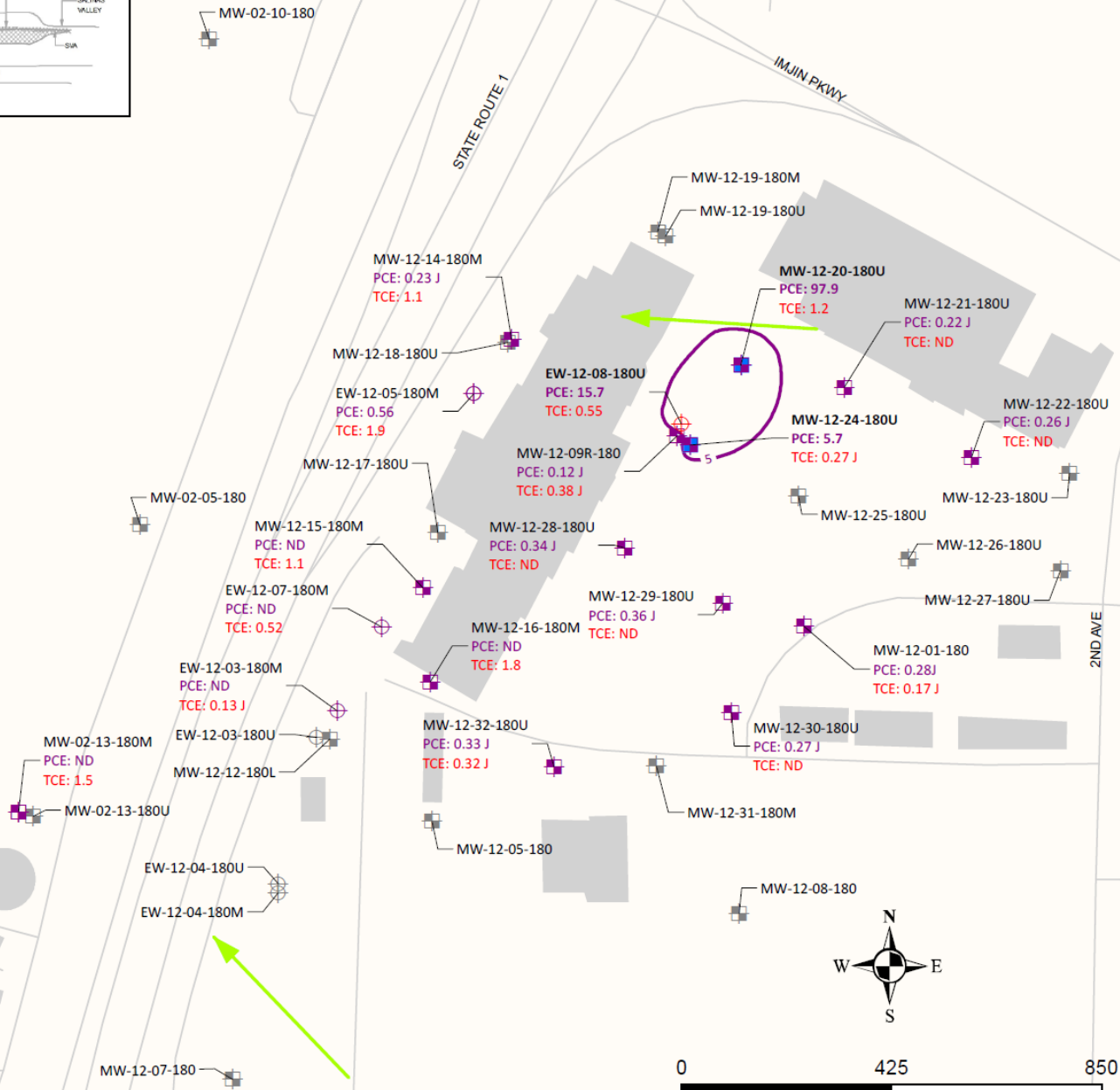
**EW-12-08-180U Samples for 3Q2023**

DATE	PCE	TCE
7/3/2023	9.0	0.43 J
7/17/2023	11.2	0.42 J
7/31/2023	13.0	0.46 J
8/14/2023	13.6	0.54
8/21/2023	5.1	0.28 J
8/28/2023	14.0	0.55
9/4/2023	6.2	0.30 J
9/11/2023	15.7	0.55
9/20/2023	8.1	0.33 J

**MW-12-20-180U Samples for 3Q2023**

DATE	PCE	TCE
8/14/2023	68.9	0.87
9/5/2023	97.9	1.2

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**EXPLANATION**

- Roads
- ➔ General groundwater flow direction
- Facilities
- Well Type and Tetrachloroethene (PCE)/ Trichloroethene (TCE) Detection**
- ⊕ Groundwater Extraction Well: PCE detection is above the ACL and TCE is below or equal to the ACL
- ⊕ Groundwater Extraction Well: PCE and TCE detection are below or equal to the ACL
- ⊕ Groundwater Extraction Well: Well not sampled
- ⊕ Groundwater Monitoring Well: PCE detection is above the ACL and TCE is below or equal to the ACL
- ⊕ Groundwater Monitoring Well: PCE and TCE detection is less than or equal to ACL
- ⊕ Groundwater Monitoring Well: Well not sampled
- Chemicals of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L**
- 5 Tetrachloroethene (PCE) plume extent
- 5 Trichloroethene (TCE) - (no exceedance contour present in 3Q2023)
- ND Chemical of Concern (COC) is non-detect
- Well ID - Sample Location and Probe Depth
- EW-12-08-180U PCE: 15.7 TCE: 0.55 TCE and PCE concentration (µg/L) with validation/lab qualifier. Bold when exceeds the ACL.
- NOTES:**
- (1) Third quarter samples were collected between July 1, 2023 and September 30, 2023.
- (2) EW-12-05-180M, EW-12-08-180U and MW-12-20-180U were sampled more frequently than quarterly during the reporting period. The highest concentration of COCs detected are presented in the figure, and all results are included in a table.
- (3) Contour is based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
- (4) Contours based on highest value obtained from multiple bags where applicable.
- (5) PCE and other COC ACL exceedance plumes are illustrated when present.

GROUNDWATER PCE/TCE CONCENTRATIONS  
UPPER 180-FOOT AQUIFER WEST OF THE SVA  
THIRD QUARTER 2023  
Sites 2 and 12, Fourth Quarter 2022 - Third Quarter 2023  
Groundwater and Soil Gas Monitoring and Treatment  
System Report, Former Fort Ord, California

## SVETS Operation Summary

- Four SVE wells operated in 2Q2023 based on COC exceedance observed in soil gas probes
- SVTU discharge in compliance with Monterey Bay Air Resources District rules (COCs are not detected in the effluent )
- SVETS in operation 33 days before 1Q2023 samples were collected
- Rebound minimal following 2Q2023 sampling event. Restarted SVETS on May 12.
- SVETS shutdown June 21 and baseline sampling conducted June 23 (SG-12-04-10, -20, -and 65)
- Rebound minimal following 3Q2023. SVETS remains offline.
- Rebound to be assessed following 4Q2023 sampling event

**Table 3.** Sites 2/12 SVETS PCE and TCE Monitoring Results

SVETS ID	PCE		TCE	
	2Q23	3Q23	2Q23	3Q23
VE-12-02	ND	NS	ND	NS
VE-12-06	51 J	NS	ND	NS
VE-12-08	64 J	NS	ND	NS
VE-12-09	120	NS	ND	NS
SVTU-INF	ND	NS	ND	NS
SVTU-EFF	ND	NS	ND	NS

**Notes:**

\*Preliminary results

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

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

NS = not sampled

Concentrations in **bold** exceed the SGCL

Concentrations in *italics* exceed the SG-SL

Results reported in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ )

COC	SGCL ( $\mu\text{g}/\text{m}^3$ )	SG-SL ( $\mu\text{g}/\text{m}^3$ )
PCE	<b>1,800</b>	<i>603</i>
TCE	<b>1,000</b>	<i>888</i>

**Table 4.** Sites 2/12 Soil Gas PCE and TCE Monitoring Results

Soil Gas Probe ID	Schedule	3Q22	4Q22	1Q23	2Q23	3Q23
		PCE				
SG-12-01-65	Q	550 <sup>^</sup>	460	NS	350	340
SG-12-02-10	Q <sup>1</sup>	1,200 <sup>^</sup>	1,100	580	700	680
SG-12-02-20	A	760	NS	NS	NS	500
SG-12-02-30	A	750	NS	NS	NS	470
SG-12-02-40	A	760	NS	NS	NS	450
SG-12-02-50	A	650	NS	NS	NS	450
SG-12-02-57	A	790	NS	NS	NS	430
SG-12-02-65	R	NS	NS	NS	NS	NS
SG-12-04-10	Q <sup>3</sup>	400 <sup>^</sup>	480	ND	140 99	99
SG-12-04-20	Q <sup>3</sup>	380	440	44 J	110 98	140
SG-12-04-40	Q <sup>3</sup>	390	410	68	110	120
SG-12-04-50	Q <sup>3</sup>	330	380	69 J	130	130
SG-12-04-58	Q <sup>3</sup>	300	320	110	100	87
SG-12-04-65	Q <sup>3</sup>	500	400	93	130 97	140
SG-12-06-10	Q <sup>1</sup>	290	340	ND	100	85
SG-12-06-70	Q <sup>2</sup>	330	420	ND	150	120
SG-12-07-65	Q	750	660	ND	420	180
SG-12-17-60	Q	ND	ND	ND	ND	ND
SG-12-20-10	A	1,400	NS	NS	NS	410
SG-12-20-20	A	1,000	NS	NS	NS	220
SG-12-20-70	Q	440	NS	NS	120	68

3Q22	4Q22	1Q23	2Q23	3Q23
TCE				
38 J <sup>^</sup>	ND	NS	ND	22
ND <sup>^</sup>	ND	ND	ND	ND
ND	NS	NS	NS	3.4
ND	NS	NS	NS	ND
ND	NS	NS	NS	ND
ND	NS	NS	NS	ND
ND	NS	NS	NS	ND
NS	NS	NS	NS	NS
<b>2,400<sup>^</sup></b>	<b>2,500</b>	59	360 170	170
<b>2,300</b>	<b>2,200</b>	130	300 170	280
<b>2,500</b>	<b>1,900</b>	150	220	230
<b>2,000</b>	<b>2,000</b>	170	300	260
<b>1,500</b>	<b>1,400</b>	160	120	67
<b>3,000</b>	<b>1,900</b>	290	290 170	300
ND	ND	ND	ND	1.2
ND	ND	ND	ND	6.4
51 J	39 J	ND	ND	9.9
830	610	ND	70	62
ND	NS	NS	NS	ND
ND	NS	NS	NS	1.5
ND	NS	NS	ND	1.4

Last Exceedance			
PCE		TCE	
SG-SL	SGCL	SG-SL	SGCL
2Q15	4Q13	--	--
3Q23	3Q15	--	--
3Q22	4Q13	--	--
3Q22	--	--	--
3Q22	--	--	--
3Q22	--	--	--
3Q22	--	--	--
3Q18	--	--	--
2Q15	--	4Q19	4Q22
3Q15	--	--	4Q22
1Q15	--	--	4Q22
1Q15	--	3Q21	4Q22
1Q15	--	2Q22	4Q22
1Q15	--	2Q21	4Q22
3Q15	--	--	--
1Q17	--	--	--
4Q22	3Q15	--	--
--	--	--	4Q15
3Q22	3Q15	--	--
3Q22	2Q15	--	--
3Q15	2Q15	--	--

**Notes:**  
 \*Preliminary results – rebound baseline  
 ^ Follow-up sample result  
 -- = Never  
 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  
 Concentrations in **bold** exceed the SGCL  
 Concentrations in *italics* exceed the SG-SL  
 Results reported in micrograms per cubic meter (µg/m³)  
<sup>1</sup> Quarterly probe due to proximity of store front in an area of historical 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/m³)	SG-SL (µg/m³)
PCE	<b>1,800</b>	<i>603</i>
TCE	<b>1,000</b>	<i>888</i>





## EXPLANATION

- Roads
- Facilities
- Soil Vapor Treatment Unit

### Well Type and COC Concentration

- Soil Gas Probe Cluster: Tetrachloroethene (PCE) is above SG-SL but below the SGCL and trichloroethene (TCE) is below or equal to SG-SL
- Soil Gas Probe Cluster: PCE and TCE is below or equal to SG-SL
- Soil Gas Probe Cluster: Probe not sampled
- Soil Vapor Extraction Well: Well not sampled
- Soil Vapor Treatment Unit: Unit not sampled

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 August 7, 2023 and August 10, 2023 while the SVETS was not in operation.
- (2) SGCL refers to Soil Gas Cleanup Level
- (3) SG-SL refers to Soil Gas Screening Level

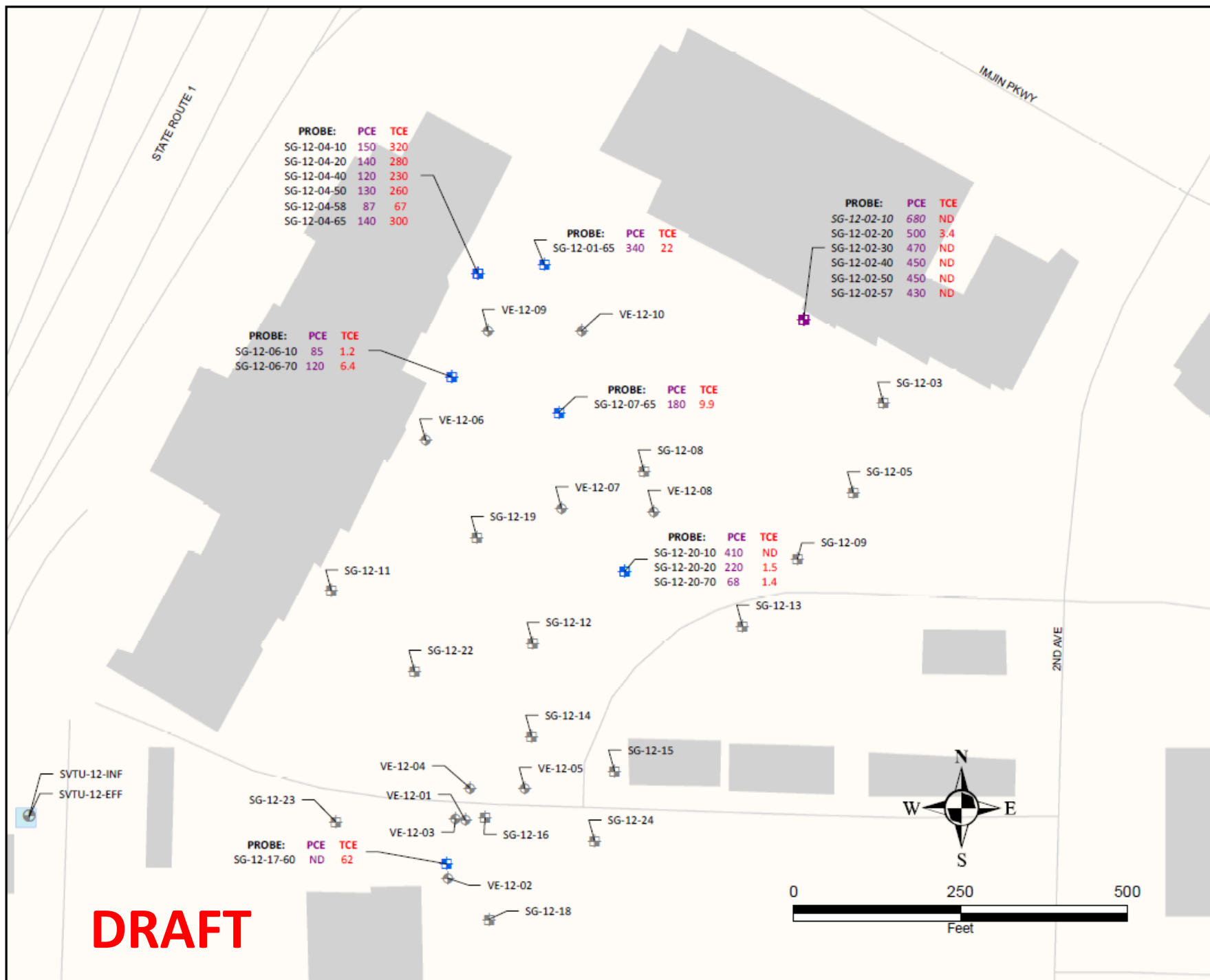
### SOIL GAS PCE/TCE CONCENTRATIONS AND SGCL EXCEEDANCES THIRD QUARTER 2023

Sites 2 and 12, Fourth Quarter 2022 - Third Quarter 2023  
 Groundwater and Soil Gas Monitoring and Treatment System Report, Former Fort Ord, California

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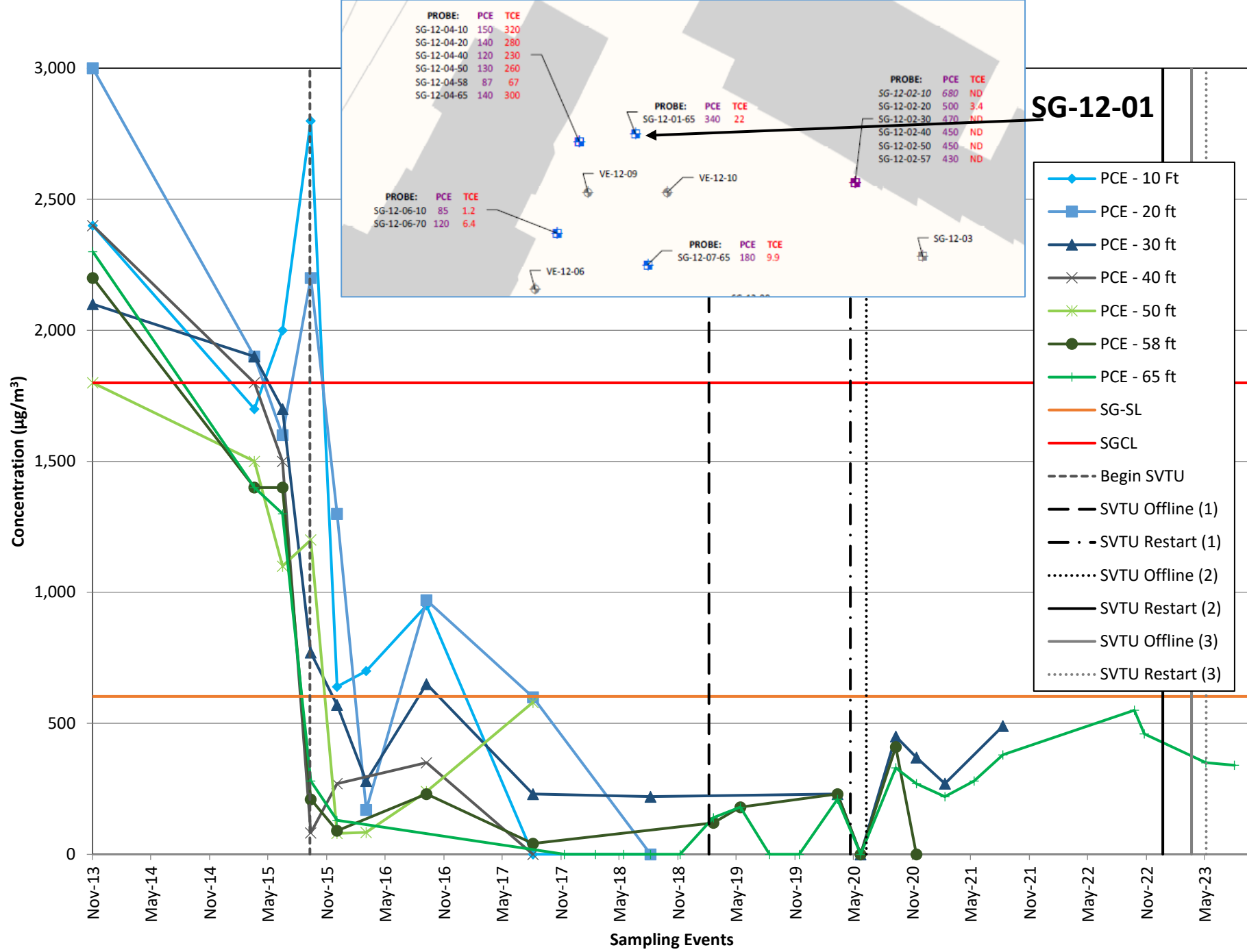
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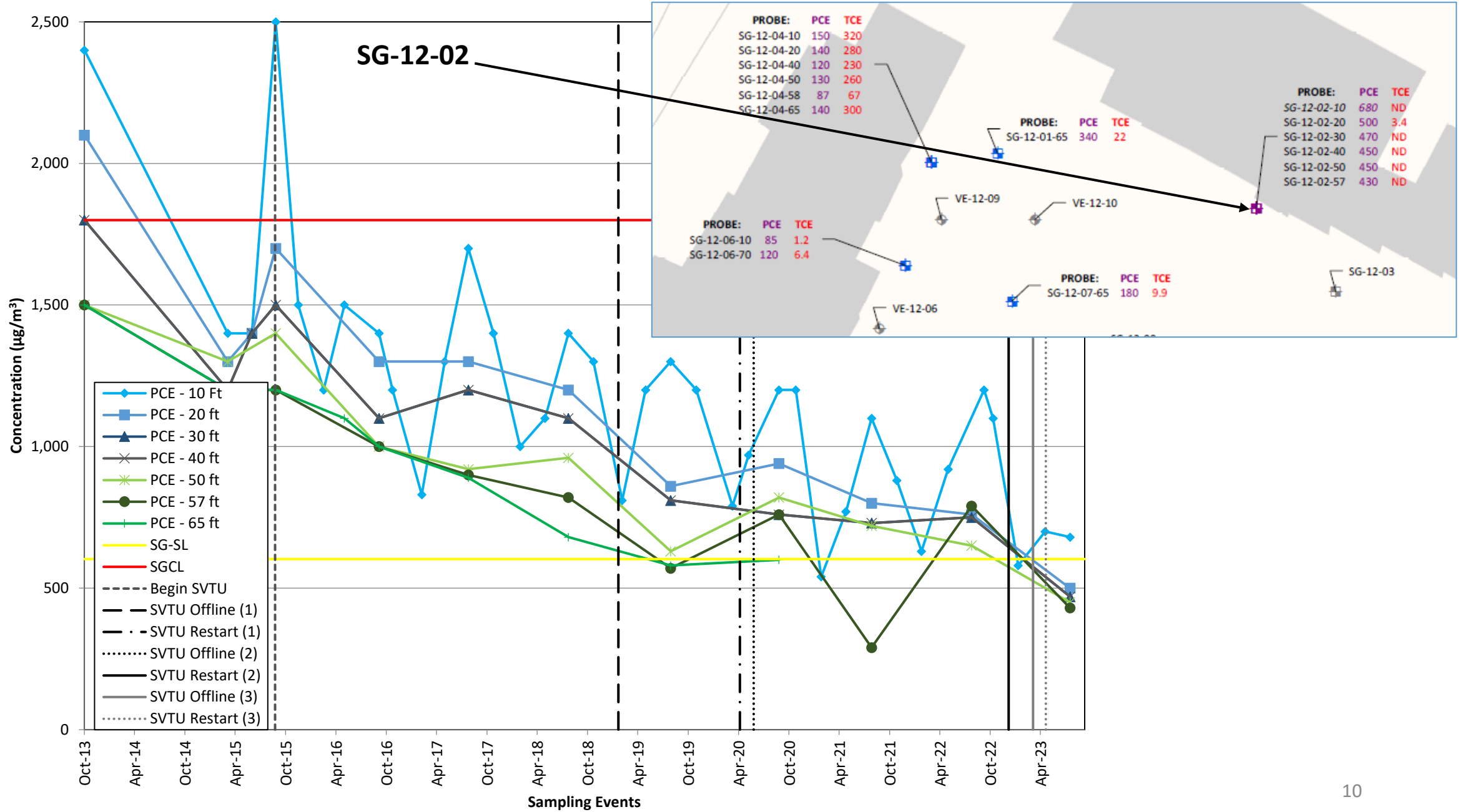
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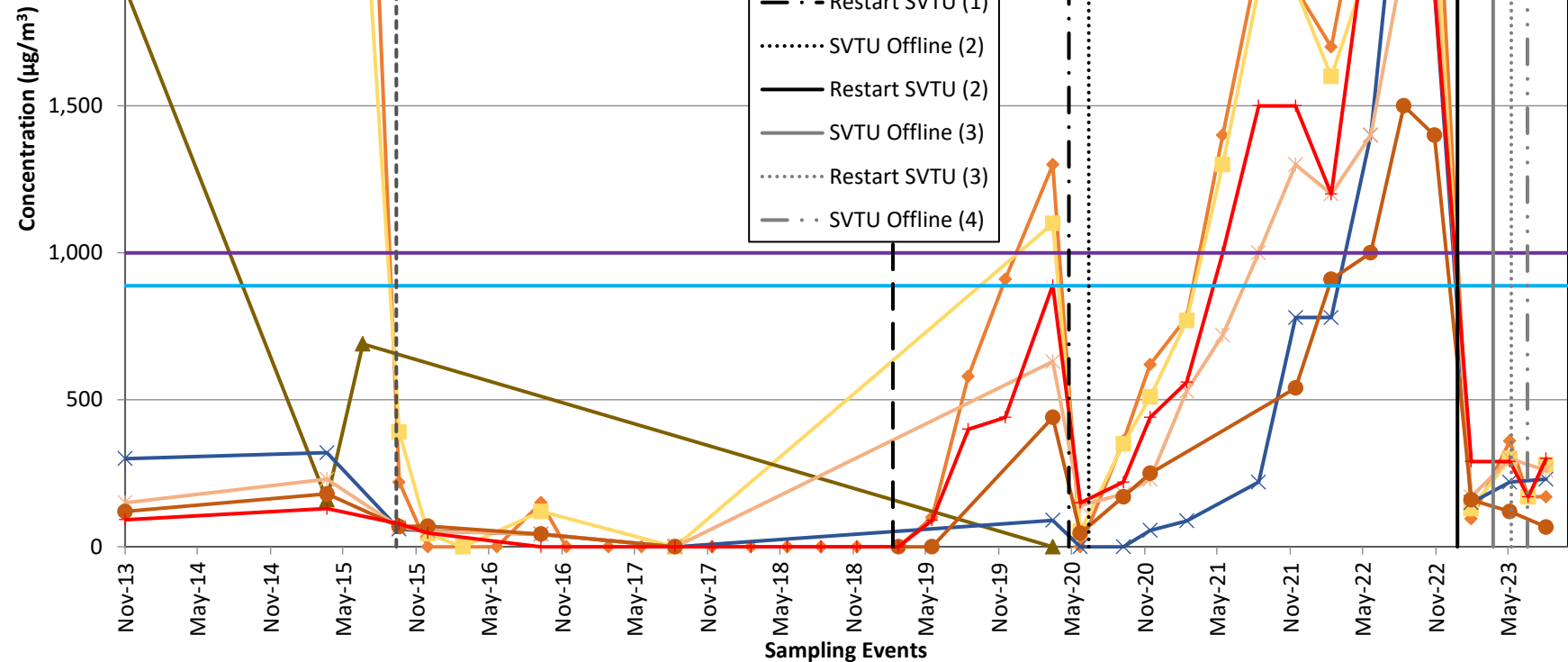
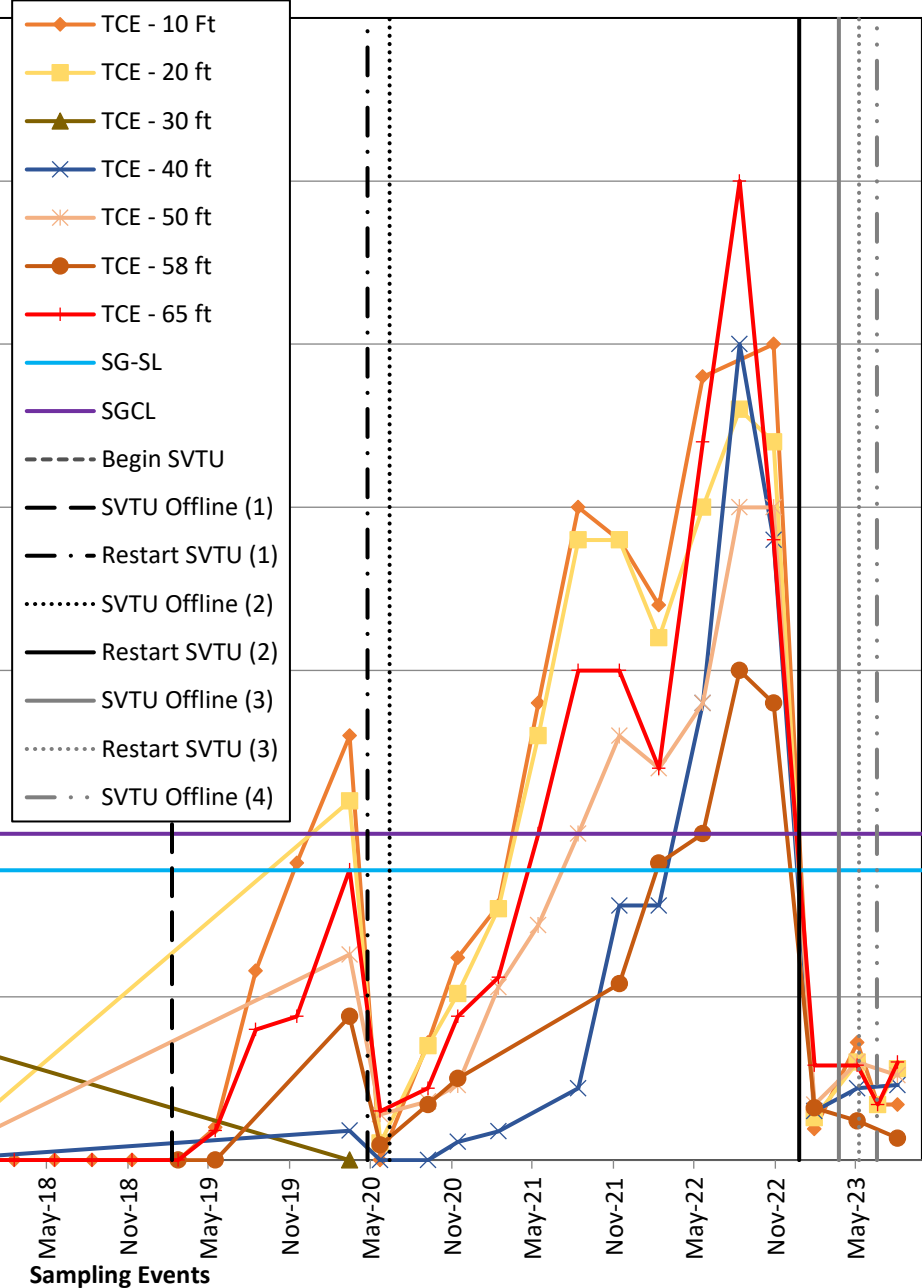
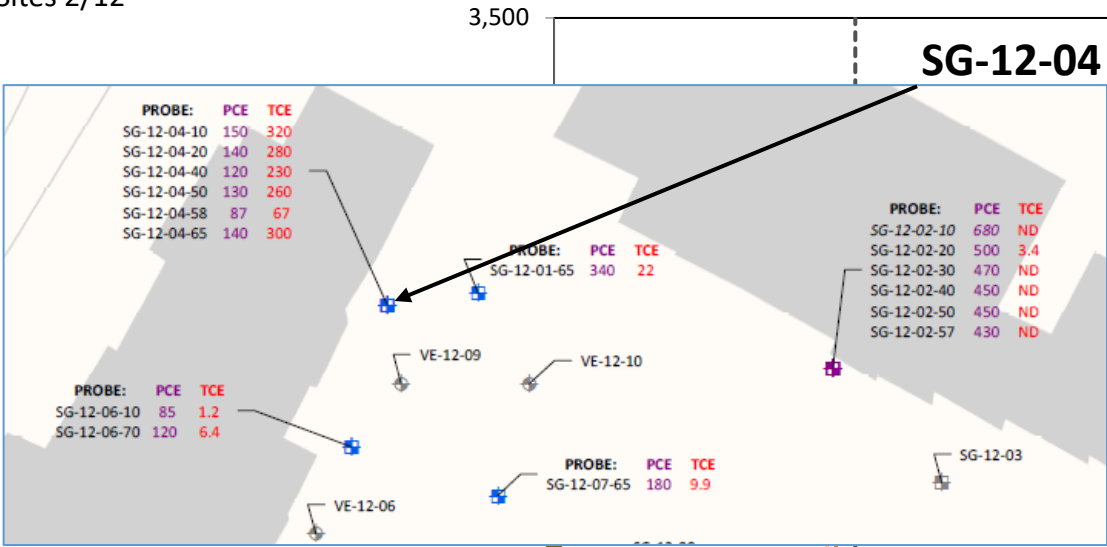


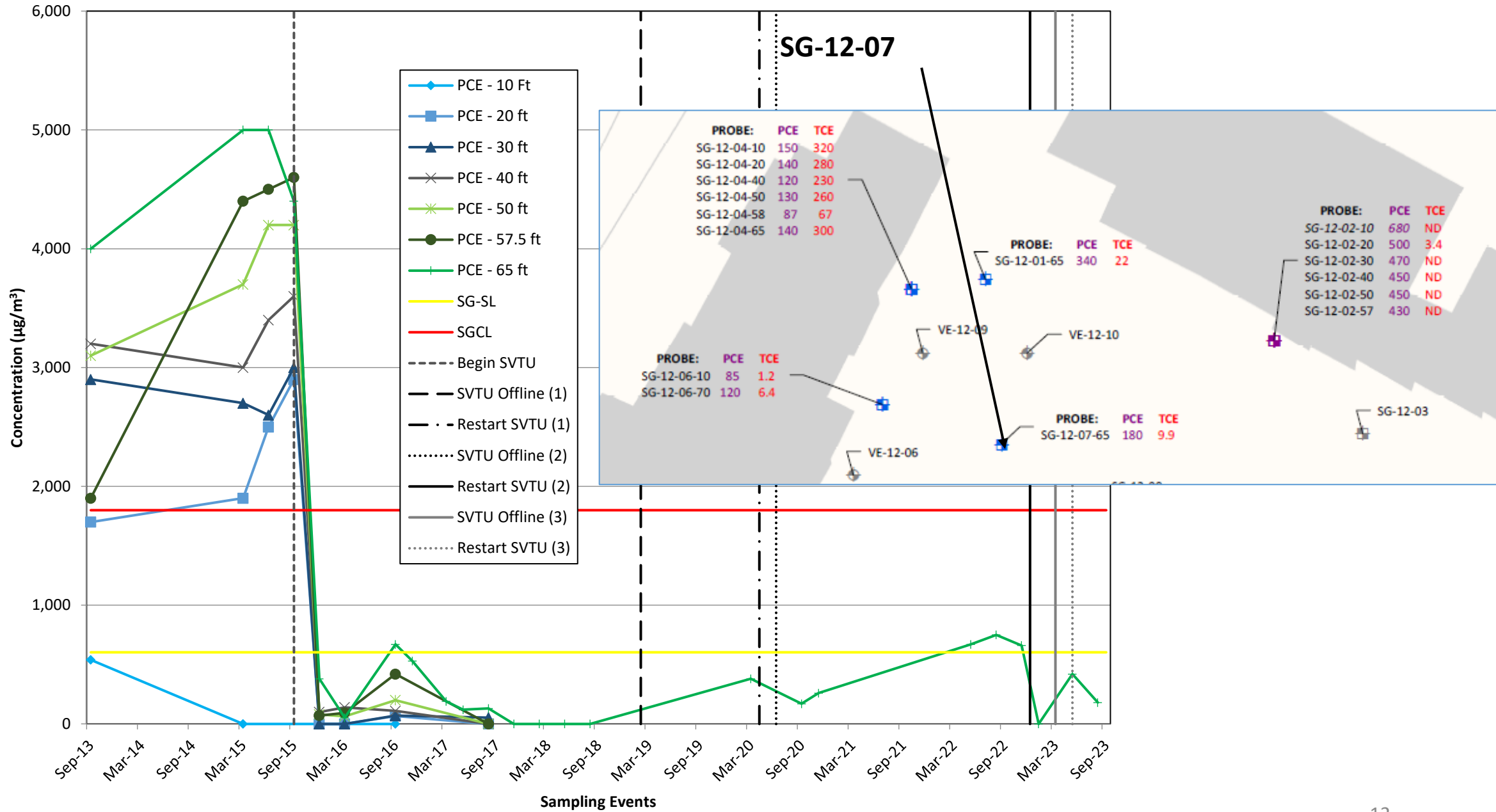
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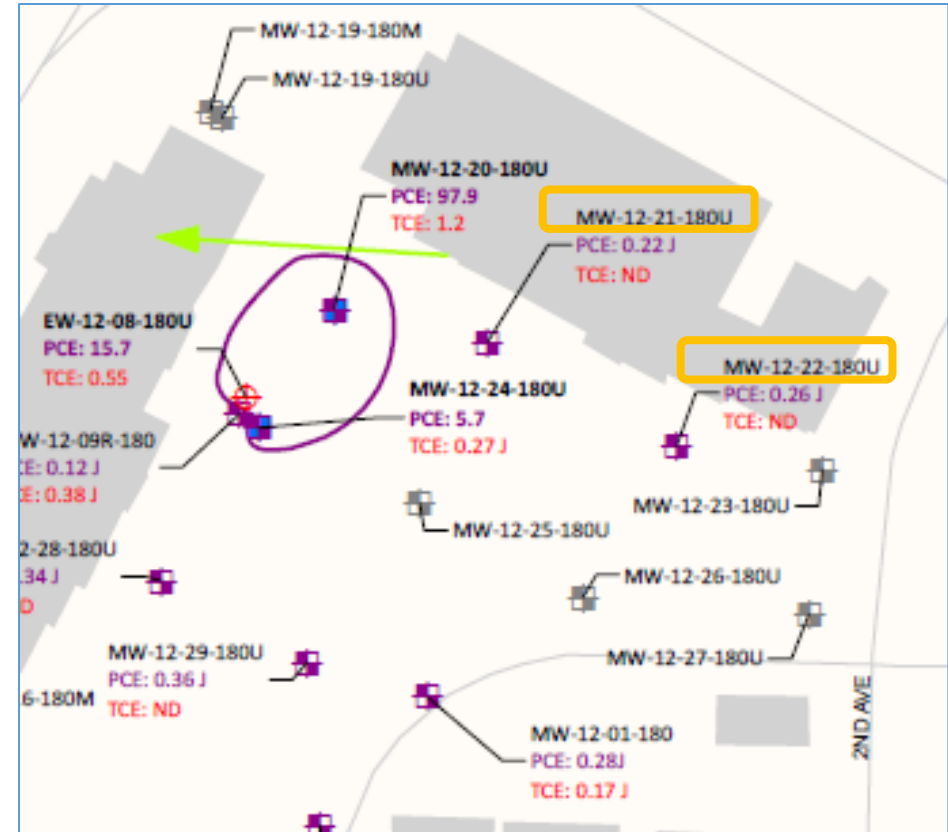




## Recommended Changes to the Sites 2/12 GWMP

**MW-12-21-180U:** Keep monitoring quarterly (recommended to reduce to annual last year), boundary well.

**MW-12-22-180U:** Remove from groundwater monitoring program.



## Recommended Changes to the Sites 2/12 SGMP

**SG-12-02-65:** Monitor annually (currently removed from SGMP)

