

Table 1: Feb – Apr 2023 – Sites 2/12 GWTP and SVTU Statistics

Monthly Statistics	Volume Treated	Temporal Average Flow	Percent of Time Online	COC Mass Removed (pounds)
Feb 2023 GWTP	3,232,671 gal	77 gpm	54	0.09
Mar 2023 GWTP	3,445,200 gal	77 gpm	53	0.13
Apr 2023 GWTP	3,271,680 gal	76 gpm	53	0.14
<i>Total since April 1999</i>	<i>2.324 billion gal</i>			<i>496.9</i>
Feb 2023 SVTU	28,779,143 scf	714 scfm	100	0.24
Mar 2023 SVTU	27,573,022 scf	738 scfm	84	0.23
Apr 2023 SVTU	0	0	0	0
<i>Total since September 2015</i>	<i>1.461 billion scf</i>			<i>10.6</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.

Feb – Apr 2023 and Future Key Events

- Jan 30-Feb 3: First Quarter 2023 SGMP event
- Feb 13-17: First Quarter 2023 GWMP event
- Mar 27: SVTU planned shutdown (notification sent Mar 23)
- April 13: Soil gas probe cluster SG-12-13 damaged by construction work
- April 25: Soil gas probe cluster SG-12-13 decommissioned (notification sent May 10)
- May 8-12: Second Quarter 2023 SGMP event
- May 12: SVTU restarted
- May 15-19: Second Quarter 2023 GWMP event
- Samples currently collected biweekly from EW-12-08-180U
- Samples currently collected monthly from EW-12-05-180M
- Shea Homes or Monterey Motorsports may decommission EW-12-04-180U, EW-12-04-180M, and MW-12-05-180 (no date set).
- Shea Homes or The Brass Tap may decommission SG-12-18 (no date set).

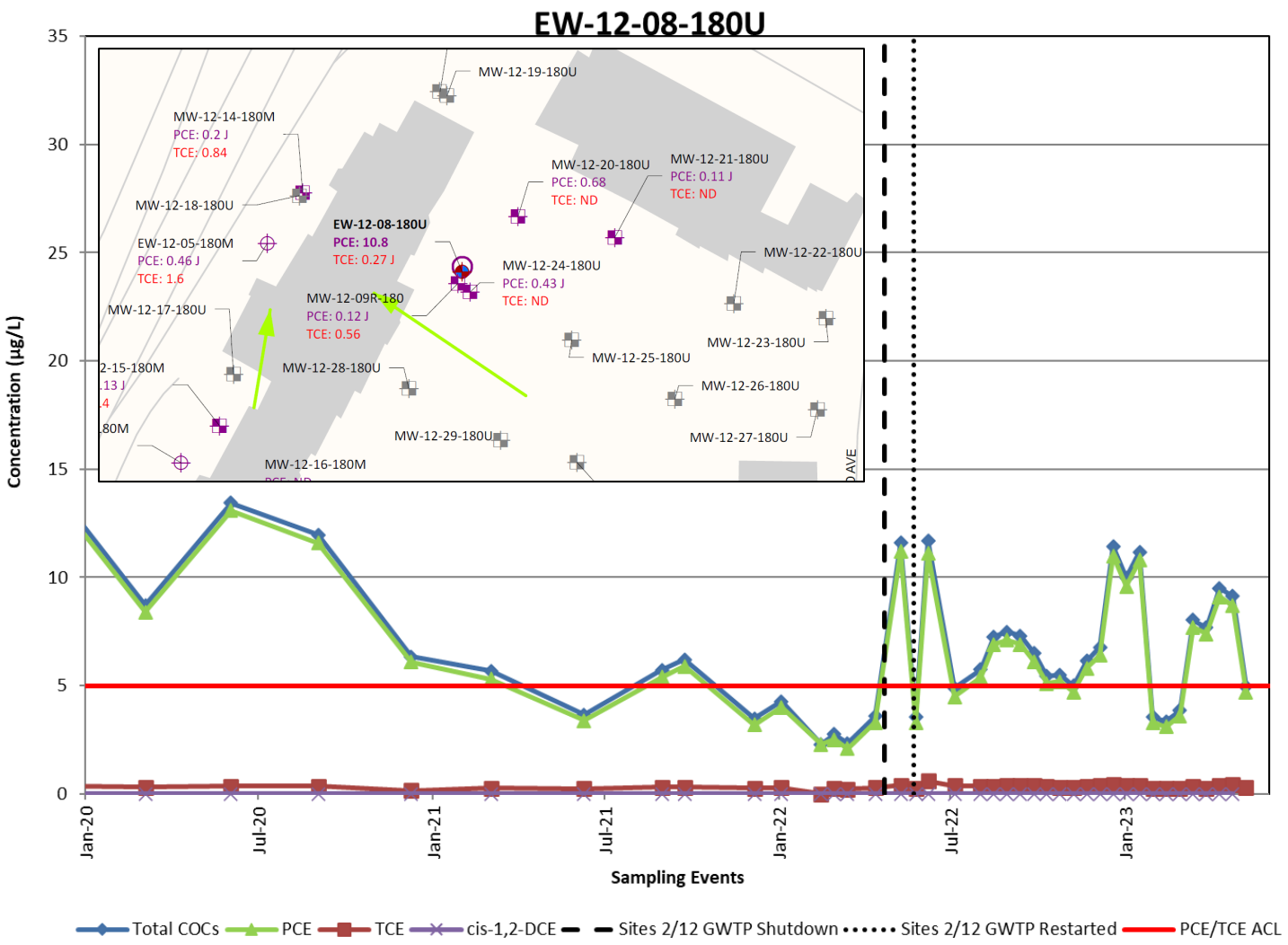
Feb – Apr 2023 Sites 2/12 Treated Water at TS-212-INJ did not exceed discharge limits

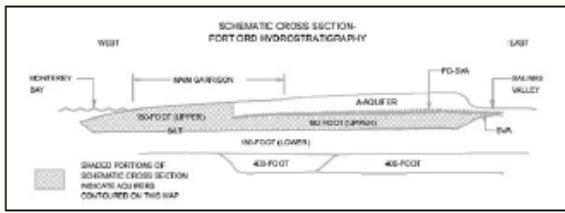


Table 2. Sites 2/12 Groundwater Extraction/Monitoring Well PCE Data

Well Identification ¹	Select COC Concentrations (µg/L) ²					
	1Q2022	2Q2022	3Q2022	4Q2022	1Q2023	2Q2023
ACL:	PCE					
ACL:	5.0					
EW-12-03-180M	ND (0.25)	ND (0.25)	0.39 J	ND (0.25)	ND (0.25)	
EW-12-05-180M	0.48 J	0.67 0.50 0.61	0.56 0.50 0.52	ND (0.25)	0.46 J 0.47 J	0.49*
EW-12-07-180M	ND (0.25)	0.11 J	ND (0.25)	ND (0.25)	ND (0.25)	0.13*
EW-12-08-180U	4.0 2.3 2.5 2.1	3.3 J- 11.2 3.3 11.1	4.5 5.4 6.9 7.1 6.1 J+	5.1 5.2 4.7 5.8 11	9.6 3.3 3.1 3.6 7.7 7.4	9.1* 8.7* 4.7*
MW-12-09R-180	0.20 J	0.14 J	0.65	0.16 J	0.12 J	
MW-12-14-180M	0.20 J	0.25 J	0.27 J	0.20 J	0.20 J	
MW-12-16-180M	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	
MW-12-20-180U	0.51	0.70 J-	1.0	0.73	0.68	
MW-12-21-180U	0.29 J	0.27 J	0.24 J	0.30 J	0.11 J	
MW-12-24-180U	0.40 J	0.34 J	0.56	0.39 J	0.43 J	
MW-12-28-180U	0.19 J	NS	0.33 J	NS	NS	
MW-12-30-180U	0.40 J	0.40 J	0.39 J	0.33 J	0.24 J	
MW-12-32-180U	0.38 J	0.35 J	0.37 J	0.34 J	0.28 J	

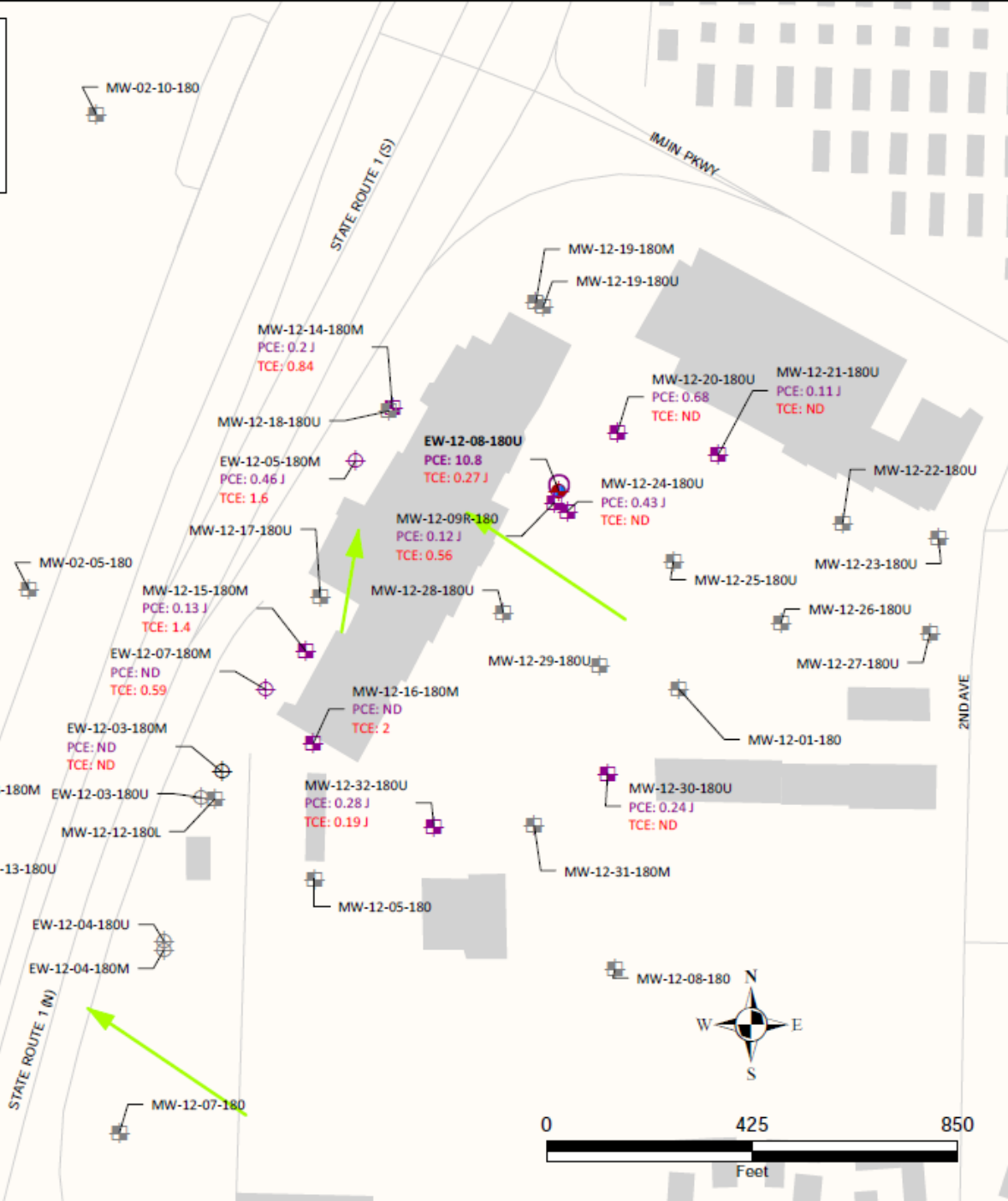
Notes:
¹ Extraction wells not listed have met the QAPP decision rules to no longer operate.
² Concentration in **bold** and shaded exceeds the Aquifer Cleanup Level (ACL). Concentrations in gray text are ND.
 J: Estimated results below the limit of quantitation (LOQ)
 ND: The analyte was not detected at or above the limit of detection (LOD)
 COC: chemical of concern
 µg/L: micrograms per liter
 * Preliminary results
 TCE concentrations less than ACL since first quarter 2018





EW-12-08-180U Samples for 1Q2023

DATE	PCE	TCE
1/2/2023	9.6	0.38 J
1/16/2023	10.8	0.38 J
1/30/2023	3.3	0.24 J
2/13/2023	3.1	0.25 J
2/27/2023	3.6	0.36 J
3/13/2023	7.7	0.34 J
3/27/2023	7.4	0.27 J



EXPLANATION

- Roads
- ➔ General groundwater flow direction
- ▒ Facilities
- Well Type and Tetrachloroethene (PCE)/ Trichloroethene (TCE) Detection**
- ⊕ Site 12 Groundwater Extraction Well: PCE detection is above the ACL and TCE is below or equal to the ACL
- ⊕ Site 12 Groundwater Extraction Well: PCE and TCE detection are below or equal to the ACL
- ⊕ Site 12 Groundwater Extraction Well: PCE and TCE detection is non-detect
- ⊕ Site 12 Groundwater Extraction Well: Well not sampled
- ⊕ Site 12 Groundwater Monitoring Well: PCE and TCE detection is less than or equal to ACL
- ⊕ Site 12 Groundwater Monitoring Well: Well not sampled
- Chemicals of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L**
- 5 — PCE
- 5 — TCE - (no exceedance contour present in 1Q2023)
- 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. Bold when exceeds the ACL.

NOTES:

- (1) First quarter samples were collected between January 2, 2023 and March 27, 2023.
- (2) EW-12-08-180U was 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
FIRST QUARTER 2023
Sites 2 and 12, First Quarter 2023
Groundwater and Soil Gas Monitoring and Treatment
System Report, Former Fort Ord, California

SVETS & SVTU Operation Summary

- Four SVE wells operated 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 to be assessed following 2Q2023 sampling event

Table 5. Sites 2/12 SVETS PCE and TCE Monitoring Results

SVETS ID	1Q23	1Q23
	PCE	TCE
VE-12-02	ND	72
VE-12-06	110	ND
VE-12-08	160	ND
VE-12-09	150	64
SVTU-INF	92	40
SVTU-EFF	ND	ND

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 ($\mu\text{g}/\text{m}^3$)

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

Table 7. Sites 2/12 Soil Gas PCE and TCE Monitoring Results

Soil Gas Probe ID	Schedule
SG-12-01-65	Q
SG-12-02-10	Q ¹
SG-12-02-20	A
SG-12-02-30	A
SG-12-02-40	A
SG-12-02-50	A
SG-12-02-57	A
SG-12-02-65	R
SG-12-04-10	Q ³
SG-12-04-20	Q ³
SG-12-04-40	Q ³
SG-12-04-50	Q ³
SG-12-04-58	Q ³
SG-12-04-65	Q ³
SG-12-06-10	Q ¹
SG-12-06-70	Q ²
SG-12-07-65	Q
SG-12-17-60	Q
SG-12-20-10	A
SG-12-20-20	A
SG-12-20-70	Q

1Q22	2Q22	3Q22	4Q22	1Q23
PCE				
NS	NS	550 [^]	460	NS
<i>630</i>	<i>920</i>	<i>1,200[^]</i>	<i>1,100</i>	580
NS	NS	<i>760</i>	NS	NS
NS	NS	<i>750</i>	NS	NS
NS	NS	<i>760</i>	NS	NS
NS	NS	<i>650</i>	NS	NS
NS	NS	<i>790</i>	NS	NS
NS	NS	NS	NS	NS
220	350	400 [^]	480	ND
210	320	380	440	44 J
190	260	390	410	68
210	260	330	380	69 J
190	230	300	320	110
180	320	500	400	93
200	260	290	340	ND
290	310	330	420	ND
NS	<i>670</i>	<i>750</i>	<i>660</i>	ND
NS	ND	ND	ND	ND
NS	NS	<i>1,400</i>	NS	NS
NS	NS	<i>1,000</i>	NS	NS
NS	410	440	NS	NS

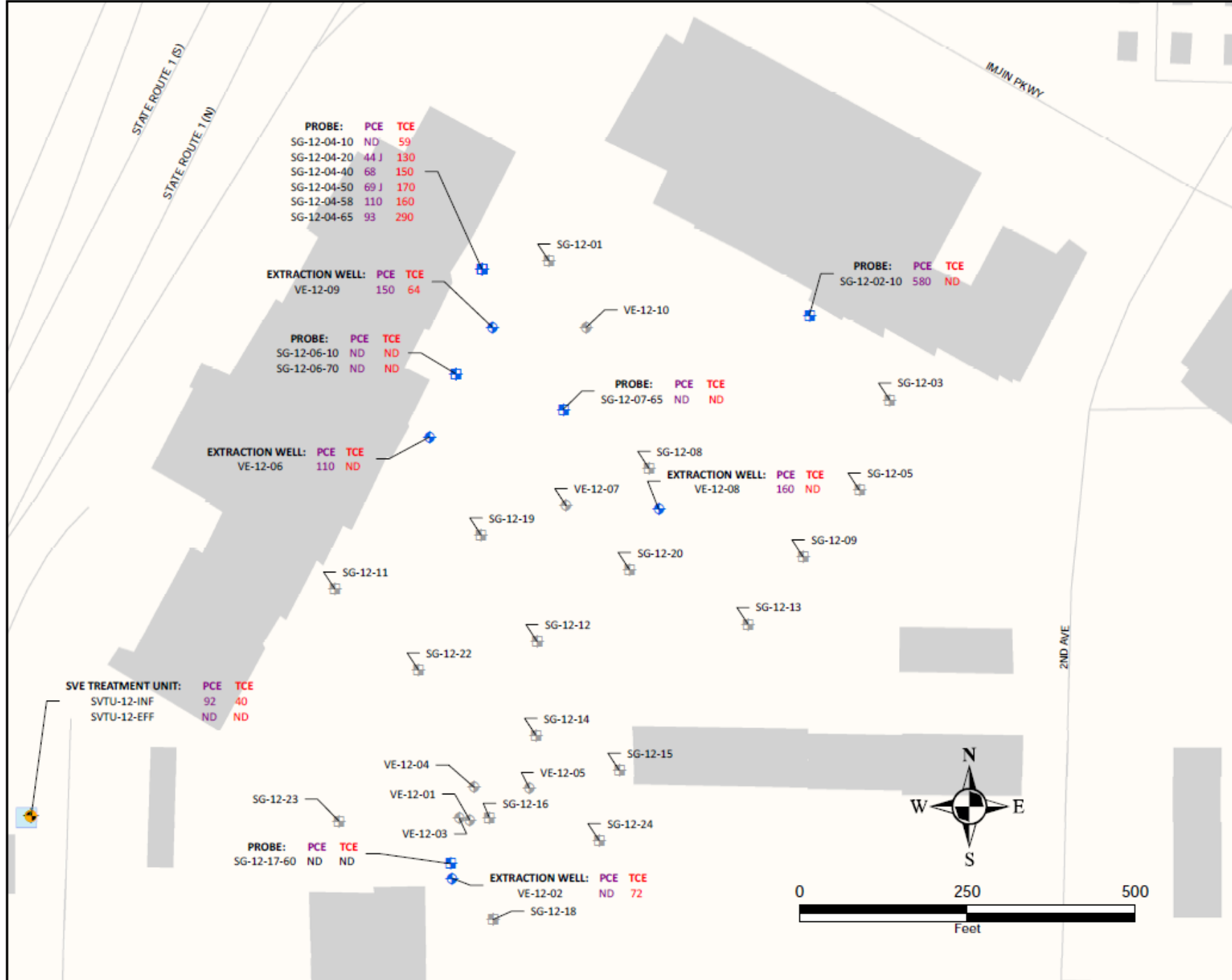
1Q22	2Q22	3Q22	4Q22	1Q23
TCE				
NS	NS	38 J [^]	ND	NS
ND	ND	ND [^]	ND	ND
NS	NS	ND	NS	NS
NS	NS	ND	NS	NS
NS	NS	ND	NS	NS
NS	NS	ND	NS	NS
NS	NS	ND	NS	NS
NS	NS	NS	NS	NS
1,700	2,400	2,400[^]	2,500	59
1,600	2,000	2,300	2,200	130
780	1,400	2,500	1,900	150
1,200	1,400	2,000	2,000	170
<i>910</i>	<i>1,000</i>	1,500	1,400	160
1,200	2,200	3,000	1,900	290
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
NS	42 J	51 J	39 J	ND
NS	620	830	610	ND
NS	NS	ND	NS	NS
NS	NS	ND	NS	NS
NS	ND	ND	NS	NS

Last Exceedance			
PCE		TCE	
SG-SL	SGCL	SG-SL	SGCL
2Q15	4Q13	--	--
4Q22	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
 ^ 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)
¹ Quarterly probe due to proximity of store front in an area of historic soil gas concentrations above the SGCL.
² 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).
³ Quarterly probe due to concentration above SGCL.

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





EXPLANATION

- Roads
- Facilities
- Soil Vapor Treatment Unit

Well Type and COC Concentration

- Site 12 Soil Vapor Treatment Unit (SVTU) Influent
- SVTU Effluent
- Site 12 Soil Gas Vapor Extraction Well: Tetrachloroethene (PCE) and trichloroethene (TCE) is below or equal to SG-SL
- Site 12 Soil Gas Probe Cluster: PCE and TCE is below or equal to SG-SL
- Site 12 Soil Gas Probe Cluster: Probes not sampled
- Site 12 Soil Vapor Extraction Well: Extraction well not sampled

ND Chemical of Concern (COC) is non-detect

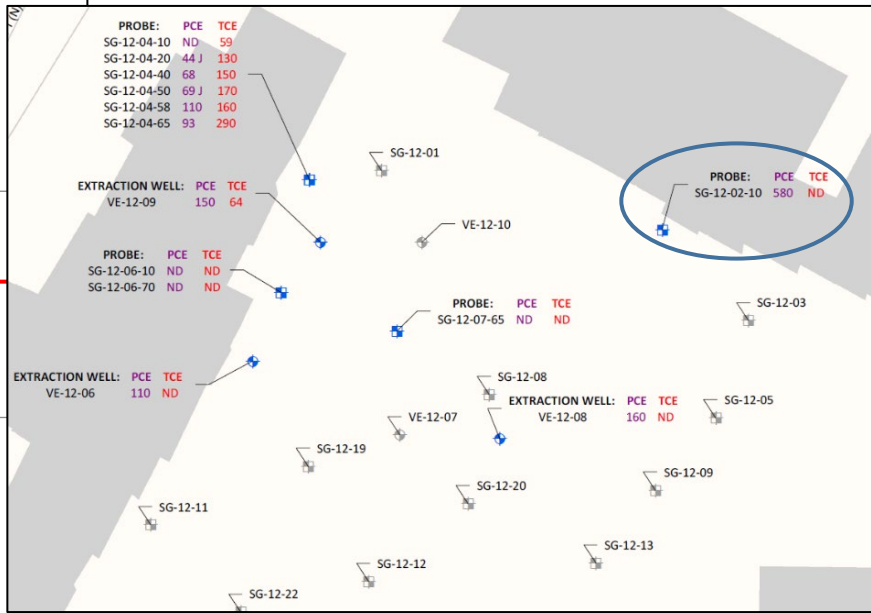
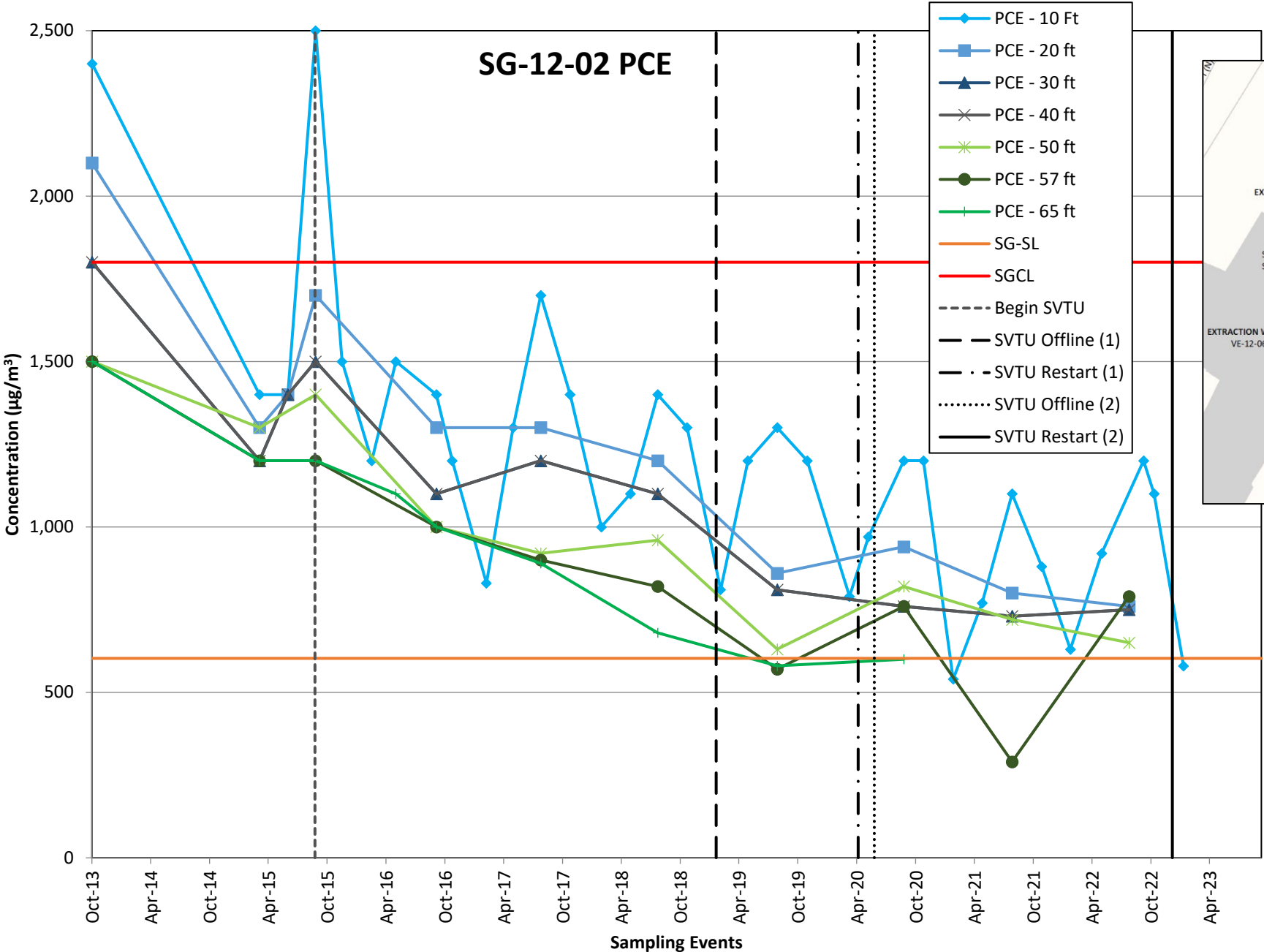
Well ID - Sample Location and Probe Depth
TCE and PCE concentration (µg/L) with validation/lab qualifier.
Italics when exceeds the SG-SL
Bold when exceeds the SGCL.

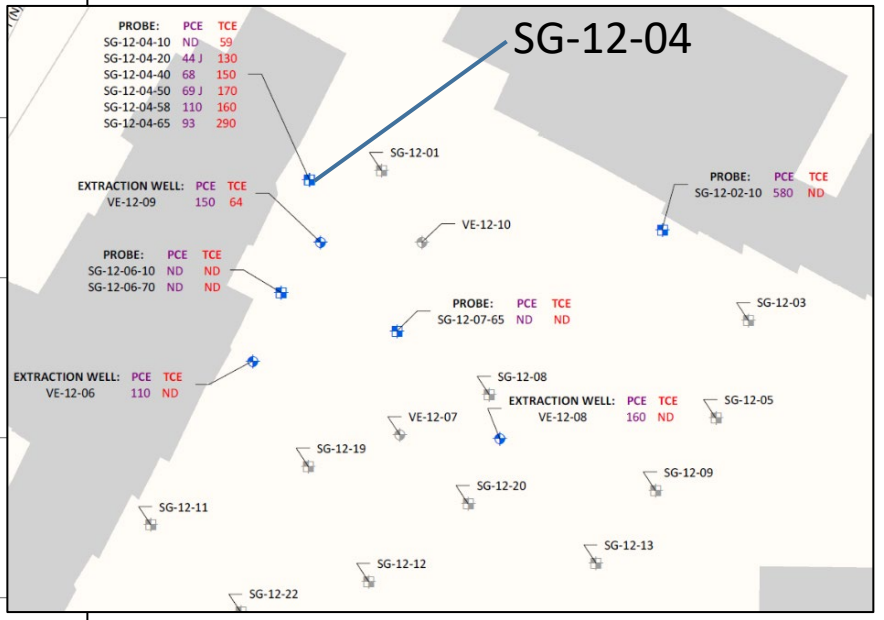
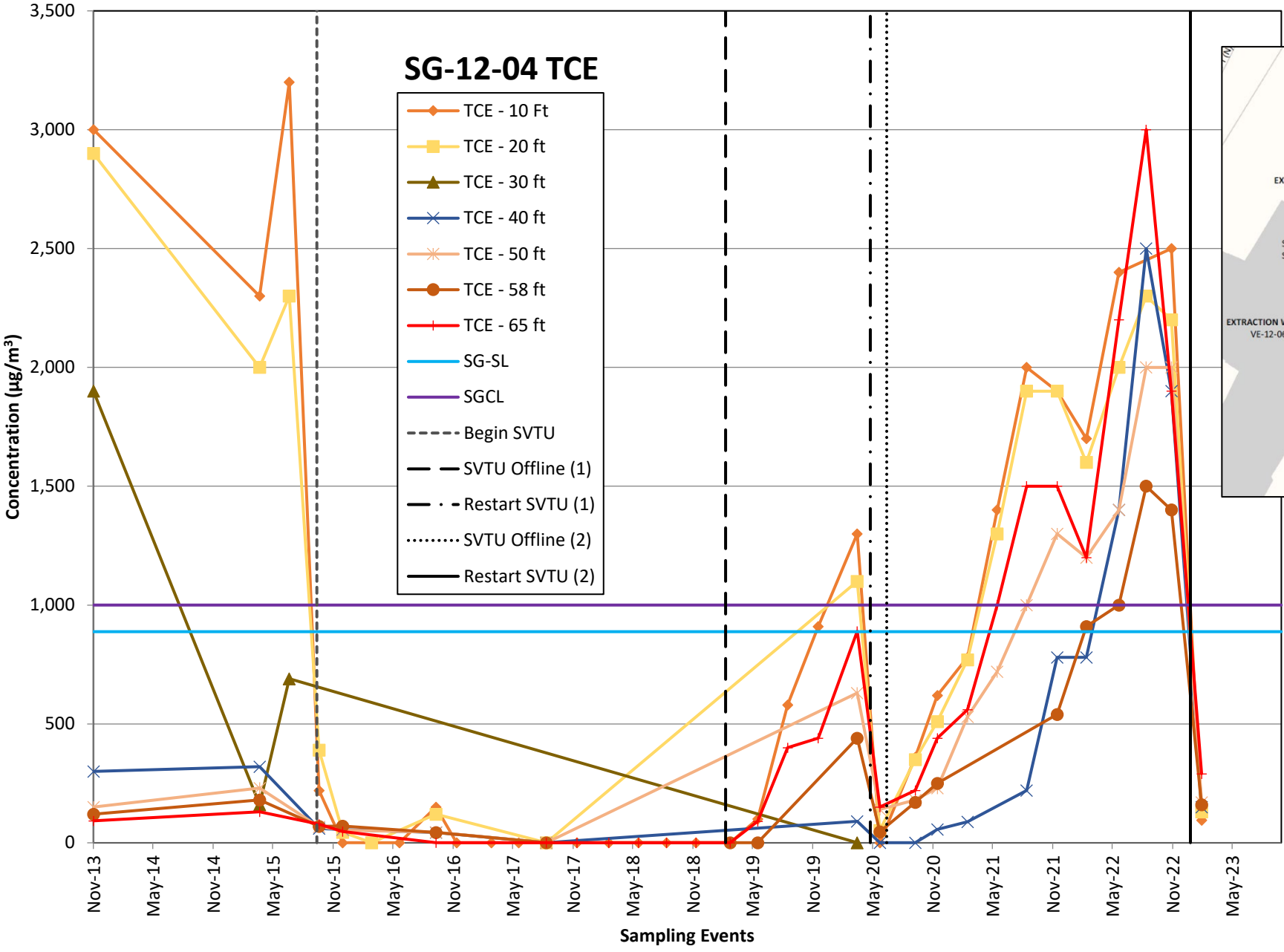
NOTES:

- Samples were collected between January 12, 2023 and February 1, 2023 while the SVETS was in operation.
- SGCL refers to Soil Gas Cleanup Level
- SG-SL refers to Soil Gas Screening Level

SOIL GAS PCE/TCE CONCENTRATIONS AND SGCL EXCEEDANCES
FIRST QUARTER 2023
Sites 2 and 12, First Quarter 2023
Groundwater and Soil Gas Monitoring and Treatment System Report, Former Fort Ord, California

SG-12-02 PCE





SG-12-07 PCE

