

Table 1: July-Aug 2022 – Sites 2/12 GWTP and SVTU Statistics

Monthly Statistics	Volume Treated	Average Flow	Percent of Time Online	COC Mass Removed (pounds)
July 2022 GWTP	4,719,600 gal	106 gpm	72.6	0.14
Aug 2022 GWTP	2,751,840 gal	62 gpm	41.9	0.08
Total since April 1999	2.298 billion gal			496
July 2022 SVTU	0 scf	0 scfm	0	0
Aug 2022 SVTU	0 scf	0 scfm	0	0
Total since September 2015	1.374 billion scf			9.9

July-Aug and Future 2022 Key Events

- July 22 – Aug 3: Site 2/12 GWTP operated during business hours due to PLC issue.
- Aug 4: Site 2/12 GWTP PLC was repaired with a new CPU.
- Aug 8: Site 2/12 GWTP pulse pumping implemented (shutdown at 0800).
- Aug 15-19: Third Quarter 2022 Soil Gas Sampling Event, soil gas probes SG-12-07-65, SG-12-17-60, and SG-12-20-70 included.
- Aug 29 – Sep 2: Third Quarter 2022 Groundwater sampling event.
- Sep 20: GAC change out at SVETS
- Sep 26-30: Supplemental soil gas sampling at SG-12-01-65, SG-12-02-10, and SG-12-04-10
- Samples currently collected biweekly from EW-12-08-180U.
- Samples currently collected monthly from EW-12-05-180M.
- 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).

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

COC	Discharge Limit (µg/L) ²	Sample Date / Analytical Results		
		7/5/2022	8/1/2022	8/29/2022*
1,1-Dichloroethene (1,1-DCE)	6	ND (0.25)	ND (0.25)	ND (0.25)
1,2-Dichloroethane (1,2-DCA)	0.5	ND (0.25)	ND (0.25)	ND (0.25)
1,3-dichloropropene (1,3-DCP) ¹	0.5	ND (0.25)	ND (0.25)	ND (0.25)
Chloroform	2	ND (0.25)	0.12 J	0.23 J
cis-1,2-dichloroethene (cis-1,2-DCE)	6	0.11 J	0.24 J	0.52
Tetrachloroethene (PCE)	5	ND (0.25)	ND (0.25)	ND (0.25)
Trichloroethene (TCE)	5	ND (0.25)	ND (0.25)	0.12 J
Vinyl Chloride (VC)	0.1	ND (0.1)	ND (0.1)	ND (0.1)

Notes:

*Preliminary results

¹ The reported value is the sum of both cis- and trans-isomers.

² 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 ¹	Select COC Concentrations (µg/L) ²												
	3Q 2019	4Q 2019	1Q 2020	2Q 2020	3Q 2020	4Q 2020	1Q 2021	2Q 2021	3Q 2021	4Q 2021	1Q2022	2Q2022	3Q2022*
ACL:	5.0												
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	ND (0.25)
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 2.0 2.1
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 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 0.35 J 0.35 J 0.39 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	ND (0.25)
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	1.3
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	1.8
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)	0.10 J
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)	0.11 J
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)	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	ND (0.25)
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	ND (0.25)
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	0.38 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



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

Well Identification ¹	Select COC Concentrations (µg/L) ²												
	3Q 2019	4Q 2019	1Q 2020	2Q 2020	3Q 2020	4Q 2020	1Q 2021	2Q 2021	3Q 2021	4Q 2021	1Q2022	2Q2022	3Q2022*
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)	0.39 J
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 0.50 0.52
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	ND (0.25)
EW-12-08-180U	14.1	13.5	8.4	13.1	11.6	6.1	5.3 J+	3.4	5.4 5.9	3.2	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
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	0.65
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	0.27 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)	ND (0.25)
MW-12-20-180U	2.7	5.6	0.94	2.0	3.1	0.87	0.81	0.75	0.79	0.55	0.51	0.70 J-	1.0
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	0.24 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	0.56
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	0.33 J
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	0.39 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	0.37 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)

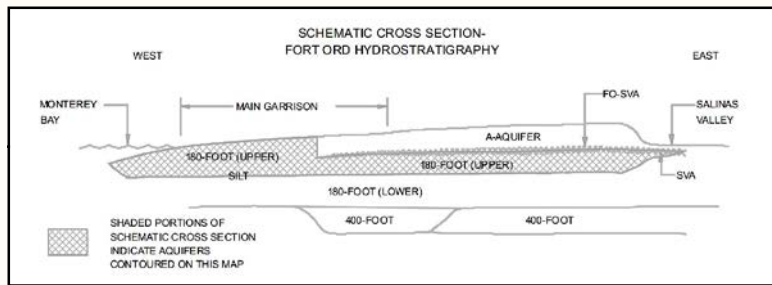
ND: The analyte was not detected at or above the limit of detection (LOD)

COC: chemical of concern

µg/L: micrograms per liter

* Preliminary results





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	11.2	0.39 J
5/25/2022	3.3	0.26 J
6/7/2022	11.1	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** Bold when exceeds the ACL.
- TCE: **0.60** Bold when exceeds the ACL.

NOTES:

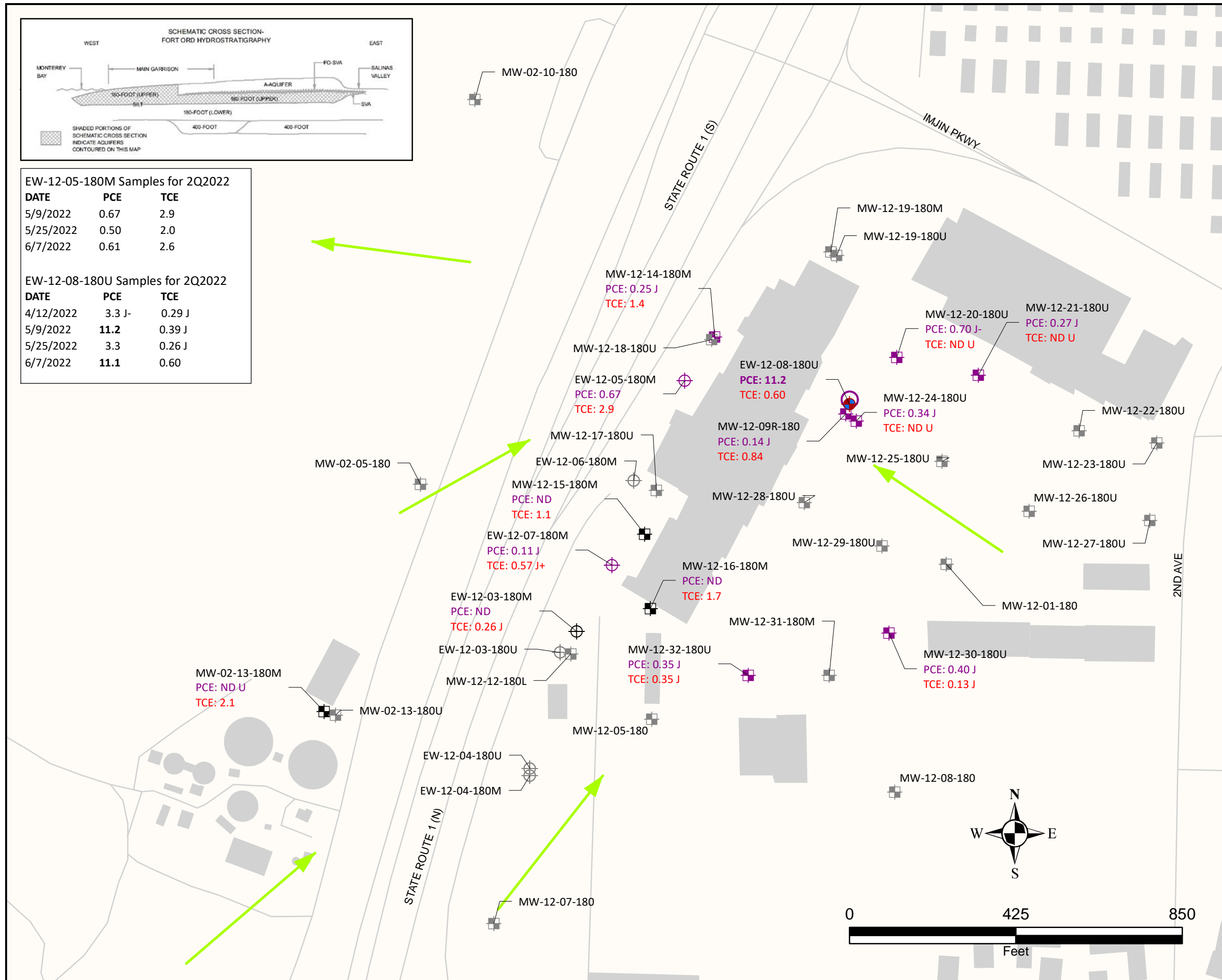
- (1) Second quarter samples were collected between April 1, 2022 and June 30, 2022.
- (2) EW-12-08-180U and EW-12-05-180M were sampled more frequently than quarterly during the reporting period. The highest concentrations of COCs detected are presented in the figure, and all results are included in 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
 SECOND QUARTER 2022
 Sites 2 and 12, Second Quarter 2022
 Groundwater and Soil Gas Monitoring and Treatment
 System Report, Former Fort Ord, California

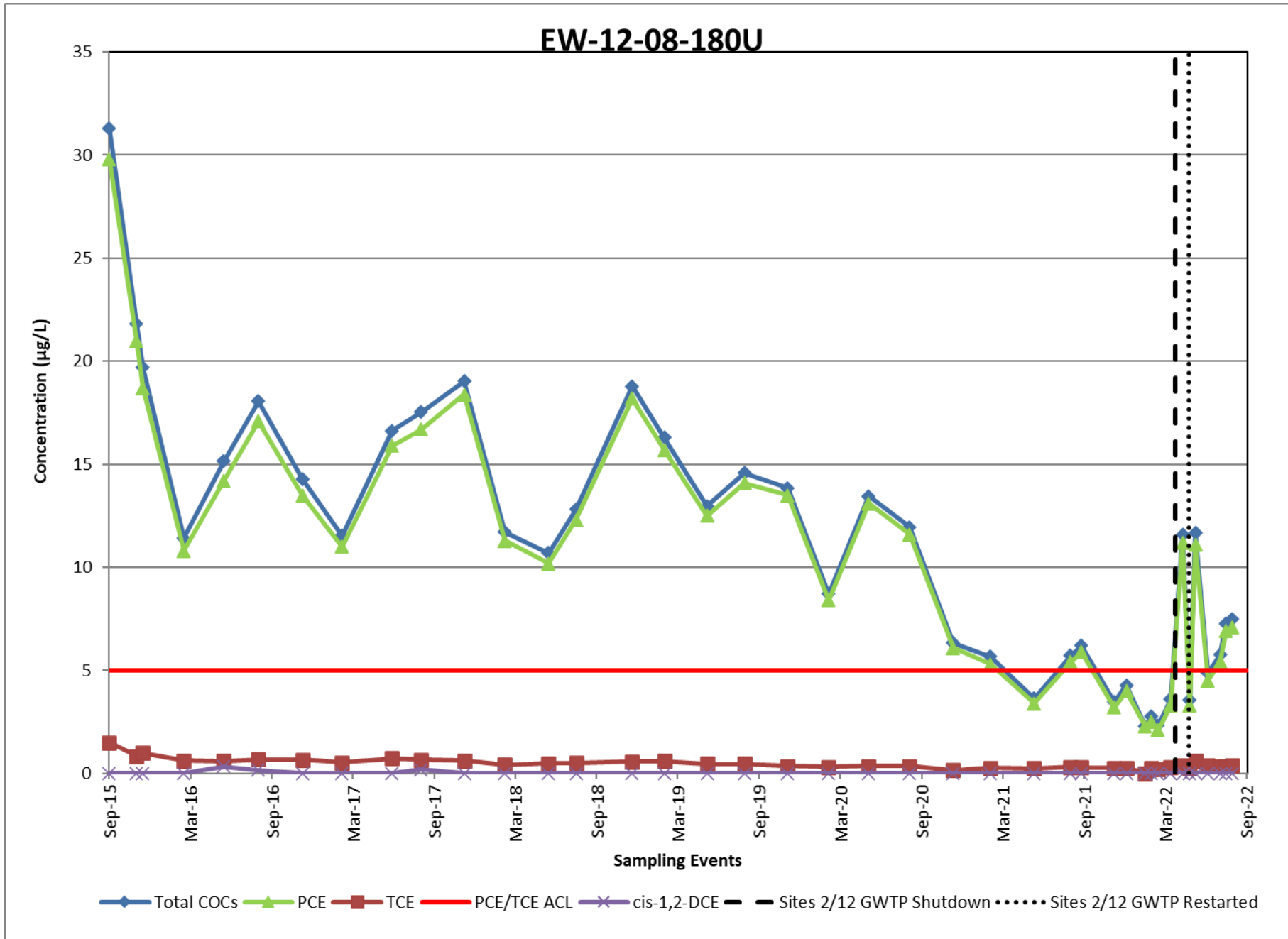


Date: 8/24/2022

Figure: 13



Full data set



Recent
data set

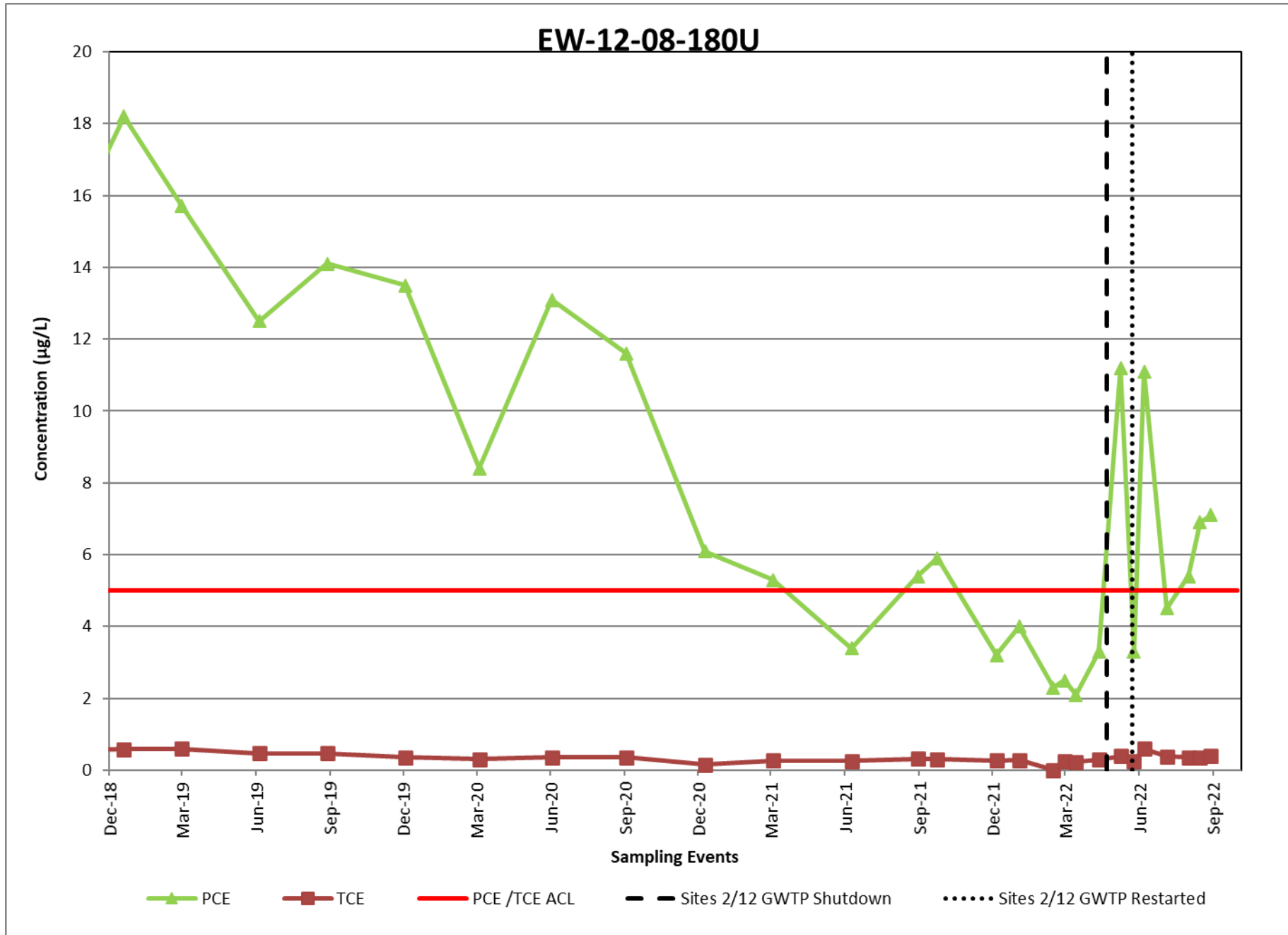


Table 5. Sites 2/12 Soil Gas PCE Monitoring Results

Soil Gas Probe ID	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	3Q22*	Schedule
	PCE											
SG-12-01-30	230	ND	450	370	270	NS	490	NS	NS	NS	NS	RB
SG-12-01-58	230	ND	410	ND	NS	NS	NS	NS	NS	NS	NS	RB
SG-12-01-65	210	ND	330	270	220	280	380	NS	NS	NS	2,500	Q ³
SG-12-02-10	<i>790</i>	<i>970</i>	<i>1,200</i>	<i>1,200</i>	540	<i>770</i>	<i>1,100</i>	<i>880</i>	<i>630</i>	<i>920</i>	<i>1,400</i>	Q ¹
SG-12-02-20	NS	NS	<i>940</i>	NS	NS	NS	<i>800</i>	NS	NS	NS	<i>760</i>	A
SG-12-02-30	NS	NS	<i>760</i>	NS	NS	NS	<i>730</i>	NS	NS	NS	<i>750</i>	A
SG-12-02-40	NS	NS	<i>830</i>	NS	NS	NS	<i>720</i>	NS	NS	NS	<i>760</i>	A
SG-12-02-50	NS	NS	<i>820</i>	NS	NS	NS	<i>720</i>	NS	NS	NS	<i>650</i>	A
SG-12-02-57	NS	NS	<i>760</i>	NS	NS	NS	290	NS	NS	NS	<i>790</i>	A
SG-12-02-65	NS	NS	600	NS	NS	NS	NS	NS	NS	NS	NS	R
SG-12-04-10	120	ND	100	120	100	150	280	290	220	350	3,400[^]	Q ³
SG-12-04-20	110	ND	100	130	99	150	260	260	210	320	380	Q ³
SG-12-04-40	92	ND	83 J	87	89	NS	120	180	190	260	390	Q ³
SG-12-04-50	92	52 J	85	110	100	120	210	200	210	260	330	Q ³
SG-12-04-58	110	ND	81 J	120	NS	NS	NS	68 J	190	230	300	Q ³
SG-12-04-65	97	ND	88	130	100	140	220	210	180	320	500	Q ³
SG-12-06-10	120	ND	110	180	100	140	230	150	200	260	290	Q ¹
SG-12-06-70	160	NS	160	210	180	190	260	270	290	310	330	Q ²
SG-12-07-65	380	NS	170	260	NS	NS	NS	NS	NS	<i>670</i>	750	INV
SG-12-17-60	ND	NS	ND	ND	NS	NS	NS	NS	NS	ND	ND	INV
SG-12-20-10	NS	NS	<i>1,200</i>	NS	NS	NS	<i>1,100</i>	NS	NS	NS	<i>1,400</i>	A
SG-12-20-20	NS	NS	<i>900</i>	NS	NS	NS	<i>770</i>	NS	NS	NS	<i>1,000</i>	A
SG-12-20-70	320	NS	300	380	NS	NS	NS	NS	NS	410	440	INV

Notes:

- *Preliminary results
- [^] Duplicate result (primary result 620 µg/m³)
- 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/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>

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

Soil Gas Probe ID	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	3Q22*	Schedule
	TCE											
SG-12-01-30	ND	ND	ND	ND	ND	NS	ND	NS	NS	NS	NS	RB
SG-12-01-58	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	RB
SG-12-01-65	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	140	Q ³
SG-12-02-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Q ¹
SG-12-02-20	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	ND	A
SG-12-02-30	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	ND	A
SG-12-02-40	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	ND	A
SG-12-02-50	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	ND	A
SG-12-02-57	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	ND	A
SG-12-02-65	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	R
SG-12-04-10	1,300	ND	360	620	780	1,400	2,000	1,900	1,700	2,400	3,200[^]	Q ³
SG-12-04-20	1,100	52 J	350	510	770	1,300	1,900	1,900	1,600	2,000	2,300	Q ³
SG-12-04-40	90	ND	ND	56 J	88	NS	220	780	780	1,400	2,500	Q ³
SG-12-04-50	630	140	180	230	530	720	<i>1,000</i>	1,300	1,200	1,400	2,000	Q ³
SG-12-04-58	440	46 J	170	250	NS	NS	NS	540	<i>910</i>	<i>1,000</i>	1,500	Q ³
SG-12-04-65	<i>890</i>	150	220	440	560	<i>1,000</i>	1,500	1,500	1,200	2,200	3,000	Q ³
SG-12-06-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Q ¹
SG-12-06-70	ND	NS	ND	ND	ND	ND	ND	140	ND	ND	ND	Q ²
SG-12-07-65	51 J	NS	ND	ND	NS	NS	NS	NS	NS	42 J	51 J	INV
SG-12-17-60	740	NS	670	760	NS	NS	NS	NS	NS	620	830	INV
SG-12-20-10	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	ND	A
SG-12-20-20	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	ND	A
SG-12-20-70	ND	NS	ND	100	NS	NS	NS	NS	NS	ND	ND	INV

Notes:

*Preliminary results

[^] Duplicate result (primary result **2,900** µg/m³)

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/m³)

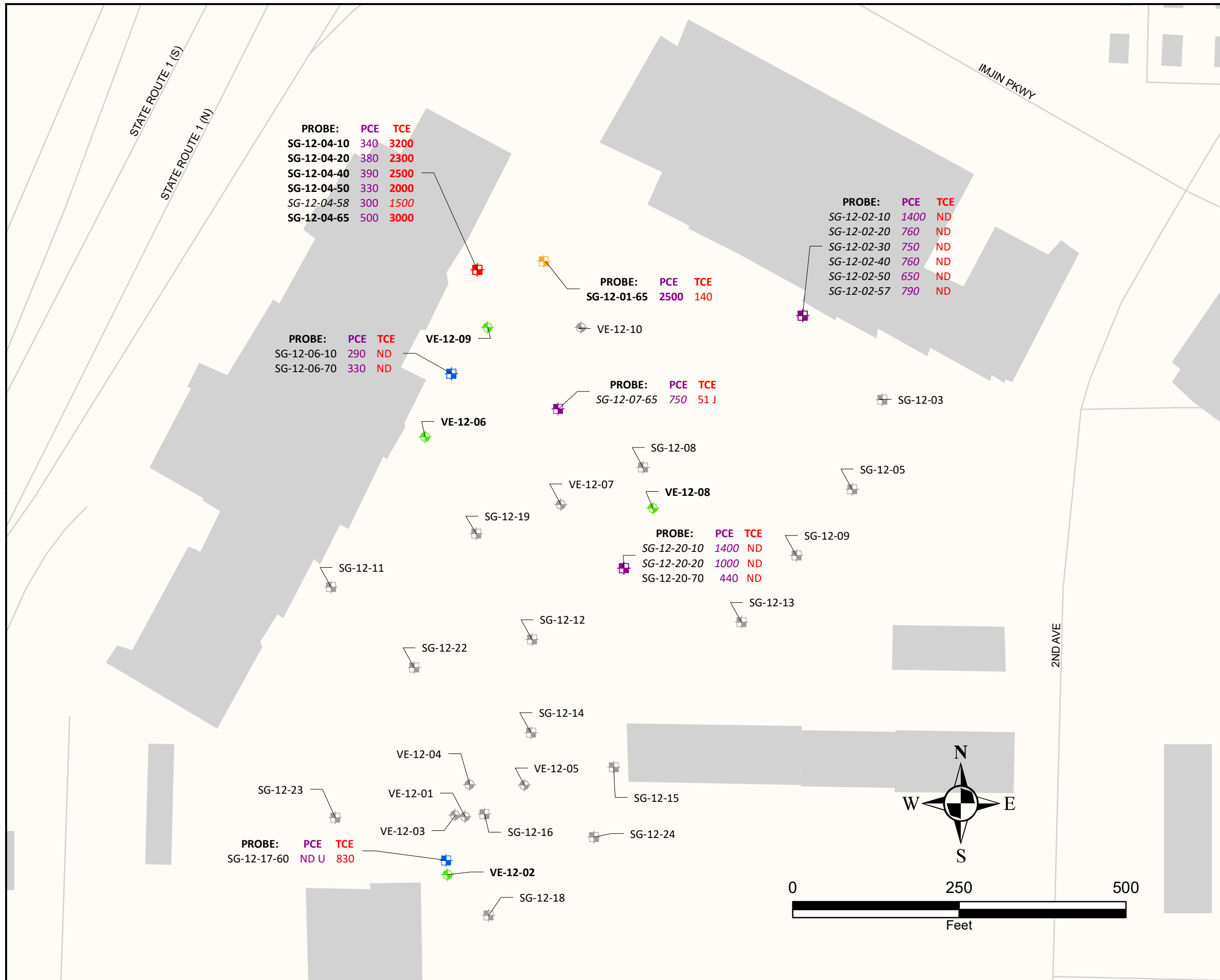
¹ Quarterly probe due to proximity of store front in an area of historic soil gas concentrations above the SGCL.

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	603
TCE	1,000	888





EXPLANATION

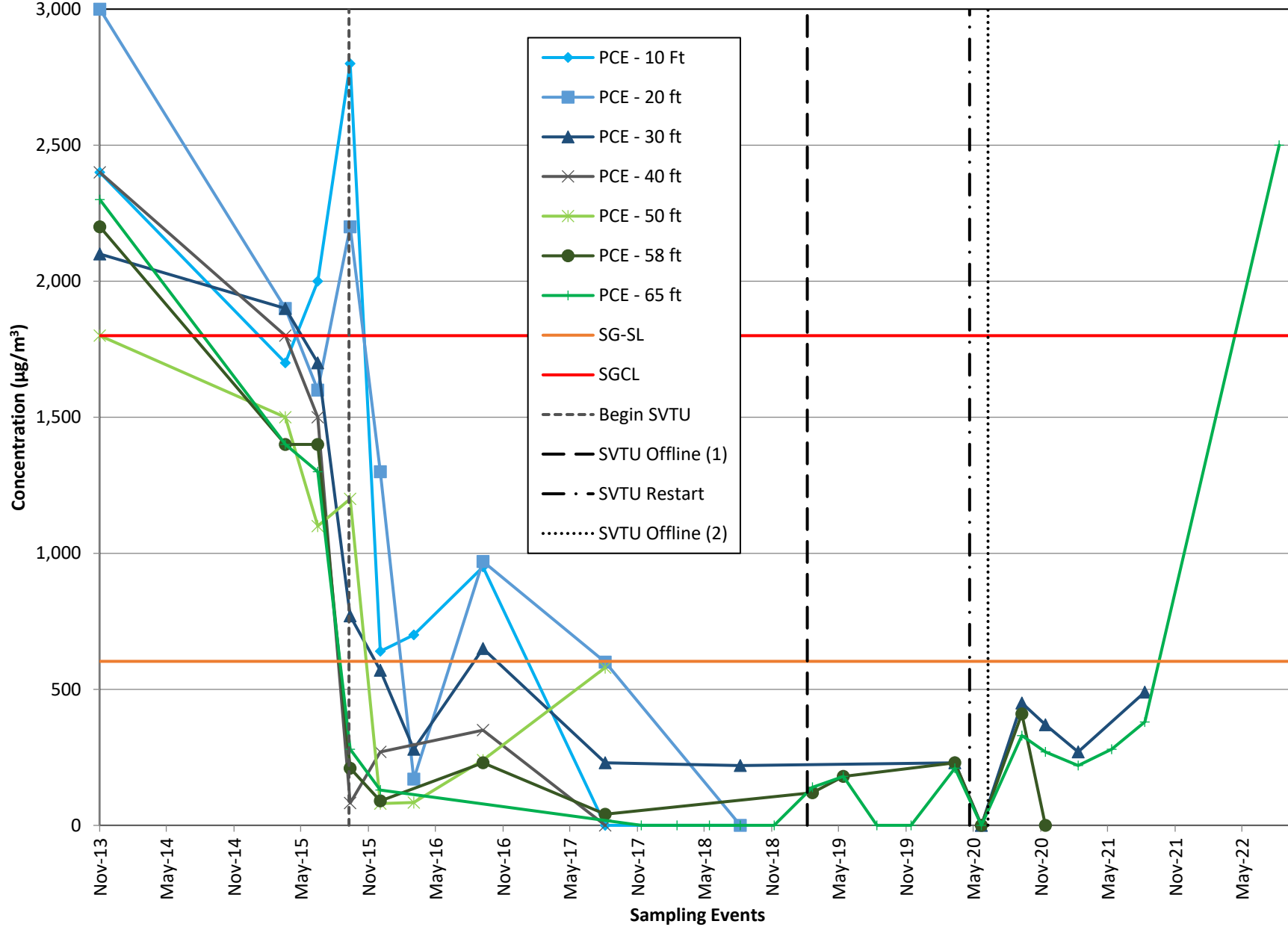
- Site 12 Soil Gas Probe Cluster: Tetrachloroethene (PCE) and trichloroethene (TCE) is below or equal to SG-SL
- Site 12 Soil Gas Probe Cluster: PCE is above SGCL and TCE is below or equal to SG-SL
- Site 12 Soil Gas Probe Cluster: PCE is above SG-SL but below SGCL and TCE is below or equal to SG-SL
- Site 12 Soil Gas Probe Cluster: PCE is below or equal to the SG-SL and TCE is above SGCL
- Site 12 Soil Gas Probe Cluster: Probe not sampled
- Site 12 Soil Vapor Extraction Well: To be operated
- 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.

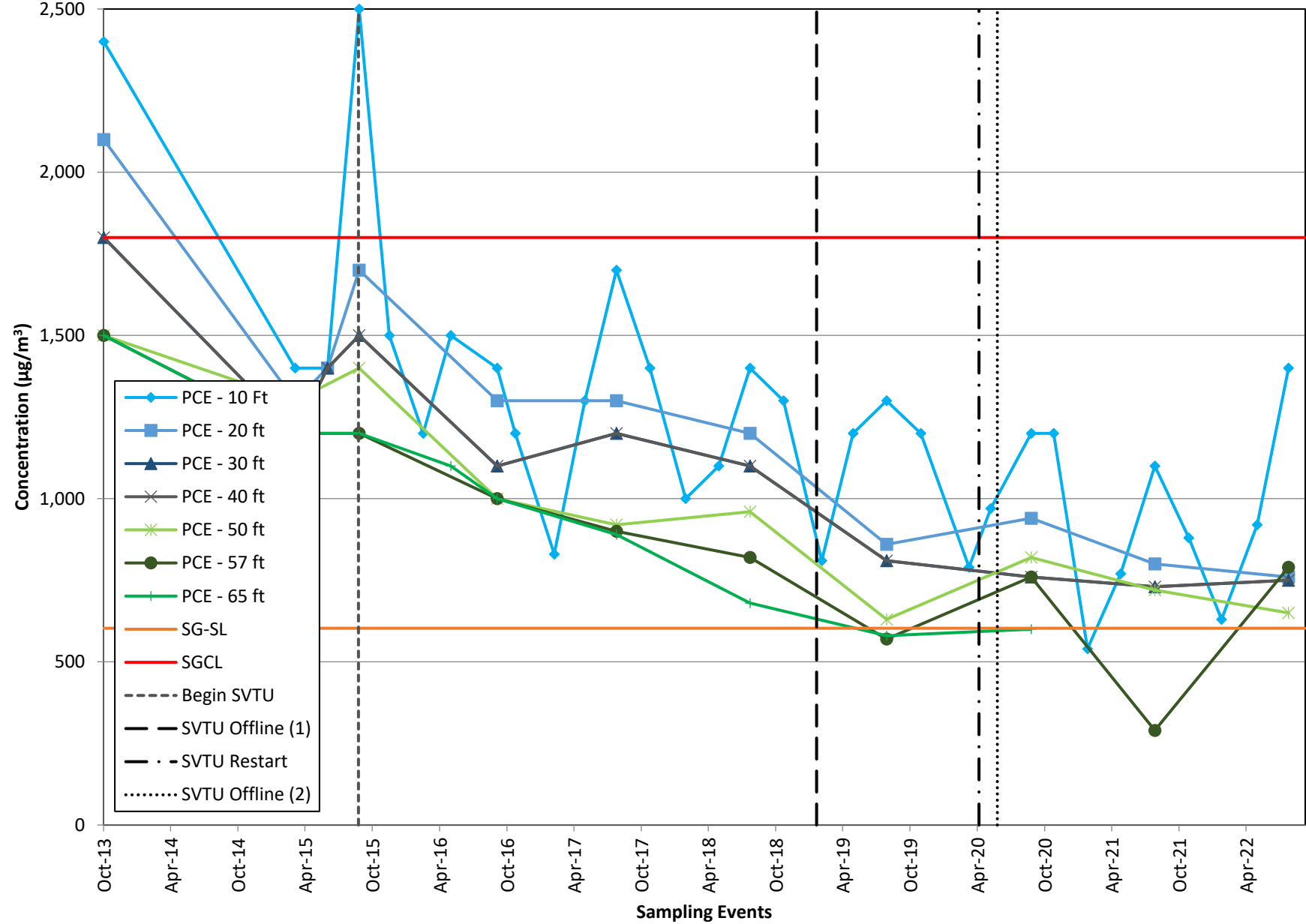
- NOTES:**
- (1) Samples were collected between August 15, 2022 and August 17, 2022.
 - (2) SGCL refers to Soil Gas Cleanup Level
 - (3) SG-SL refers to Soil Gas Screening Level
 - (4) Supplemental sampling will be occurring at SG-12-01-65, SG-12-02-10, and SG-12-04-10.

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

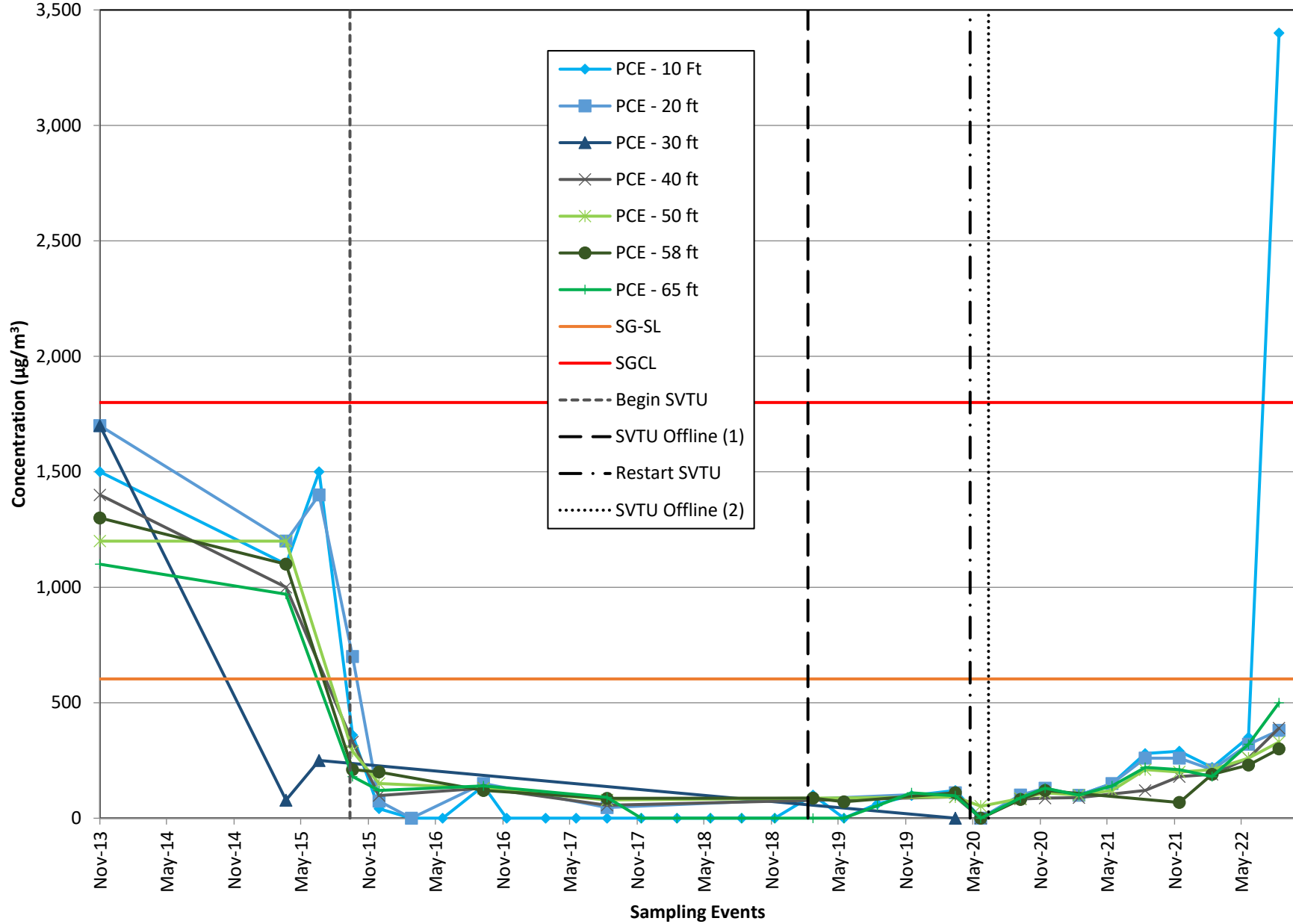
SG-12-01



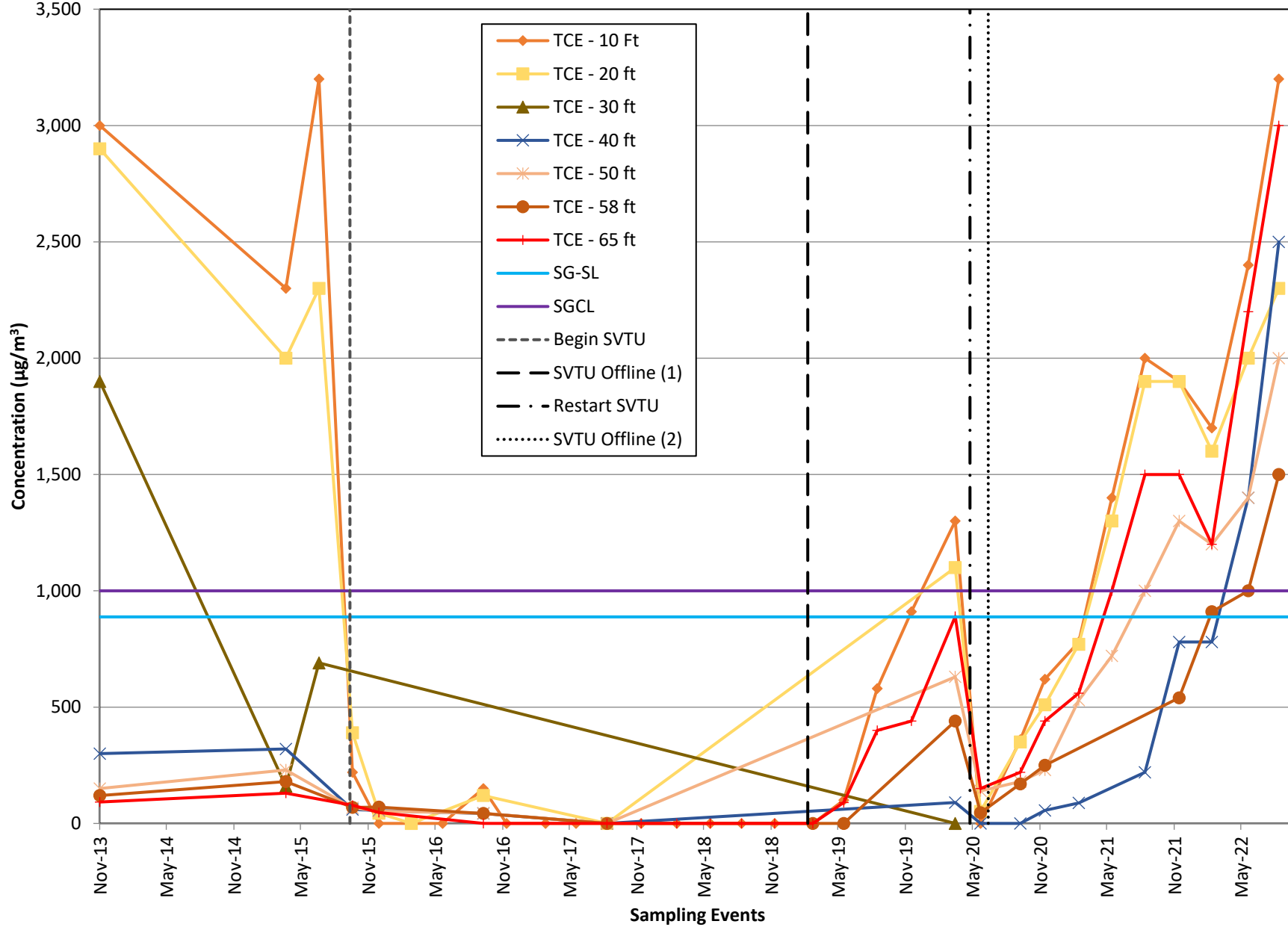
SG-12-02



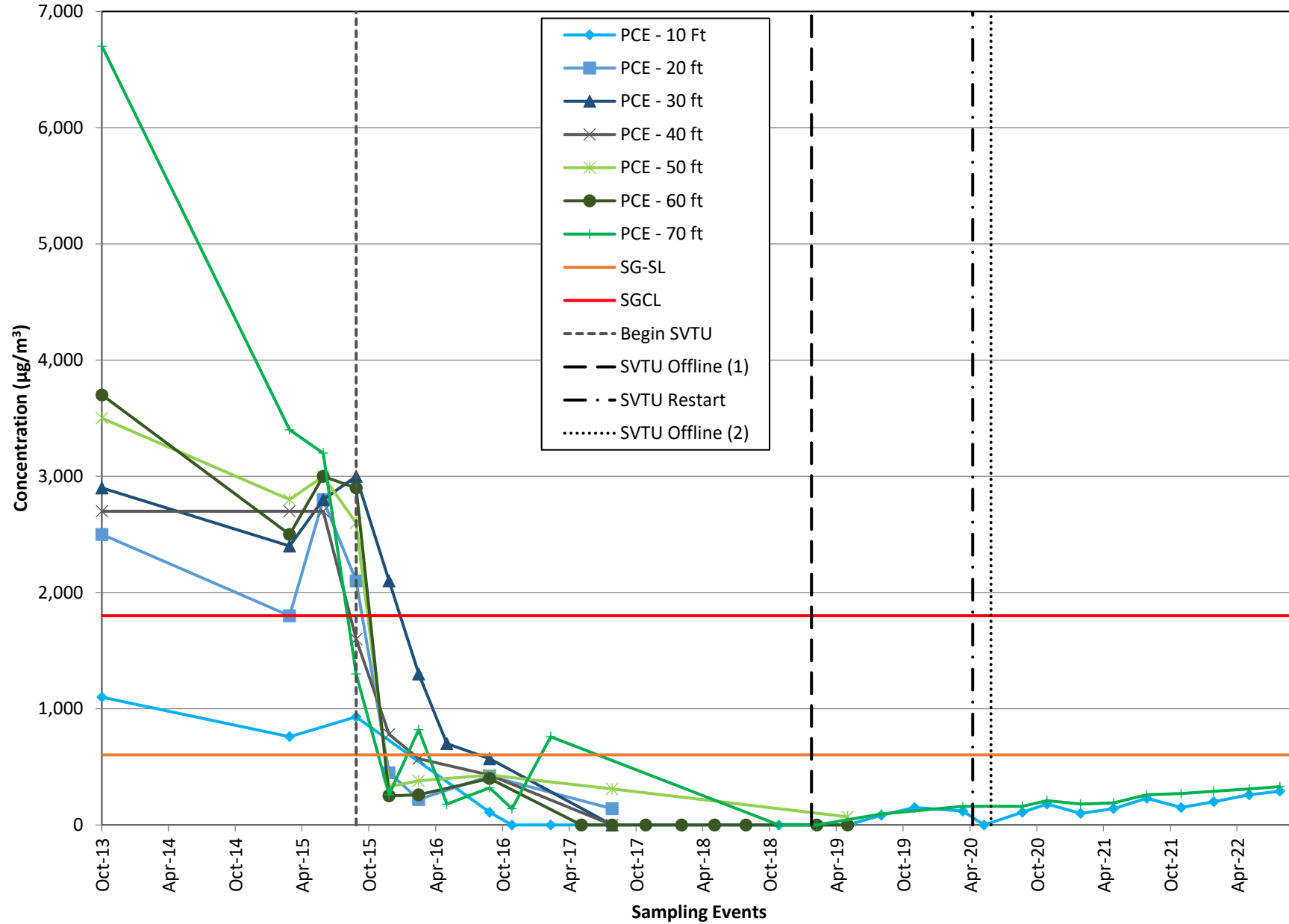
SG-12-04 PCE



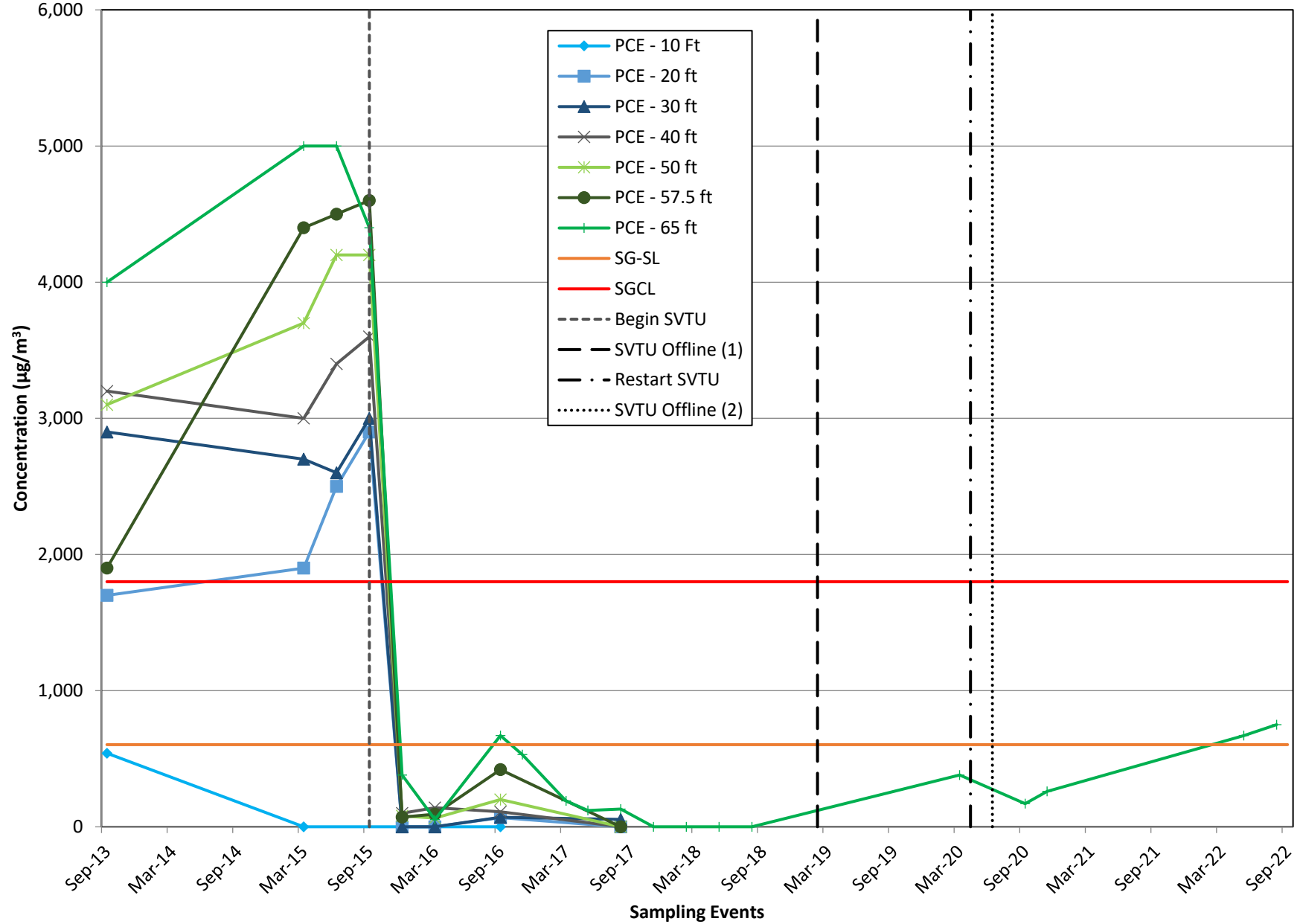
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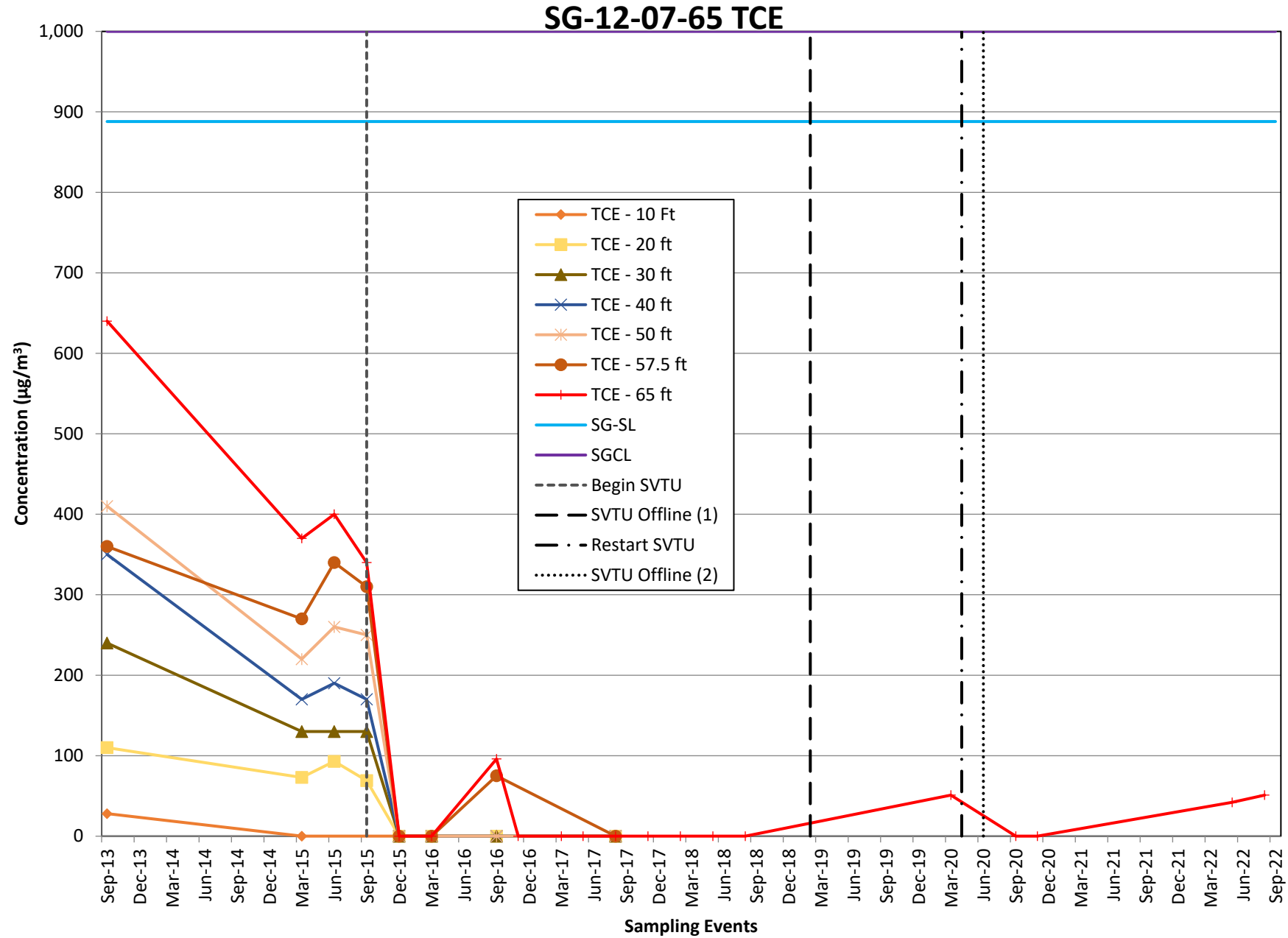


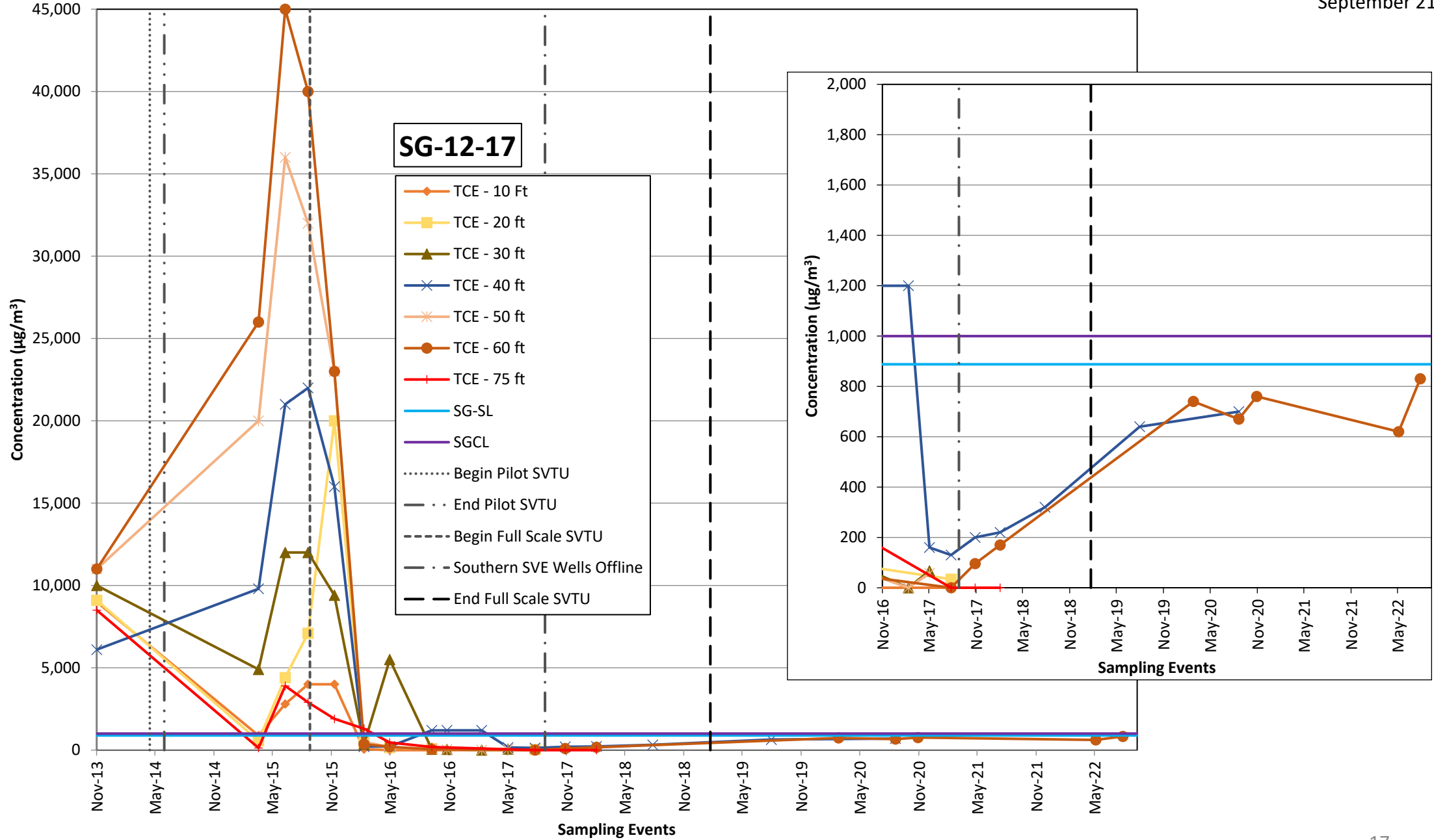
SG-12-06



SG-12-07-65 PCE







SG-12-20

