

Table 1: July – Aug 2024 – Sites 2/12 GWTP and SVTU Statistics

Monthly Statistics	Volume Treated	Temporal Average Flow	Percent of Time Online	COC Mass Removed (pounds)
July 2024 GWTP	1,050,720	24 gpm	53.5%	0.13
August 2024 GWTP	1,046,690	23 gpm	53.7%	0.17
<i>Total since April 1999</i>	<i>2.364 billion gal</i>			<i>498.8</i>
July 2024 SVTU	33,555,076	752 cfm	100%	0.17
August 2024 SVTU	10,317,180	746 cfm	31%	0.03
<i>Total since September 2015</i>	<i>1.594 billion scf</i>			<i>11.3</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 – Aug 2024 Key Events

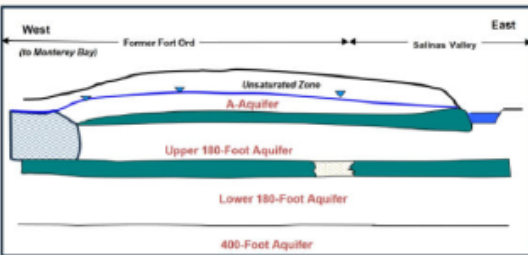
- Aug 6 and 19: Sampled EW-12-08-180U after one week online to assess pulse pumping schedule
- Aug 9: SVETS shutdown for rebound assessment
- Aug 12-16: Third Quarter 2024 SGMP event
- Aug 15 -16: SVETS operated for 24 hours and samples collected from soil vapor extraction wells
- Aug 12-22: Third Quarter 2024 GWMP event
- Aug 28: Begin pulse pumping schedule of two weeks on and one week off at EW-12-08-180U

Future Key Events

- Effluent pump replacement for Sites 2/12 GWTP
- Shea Homes or Monterey Motorsports may decommission EW-12-04-180U, EW-12-04-180M (no date set)

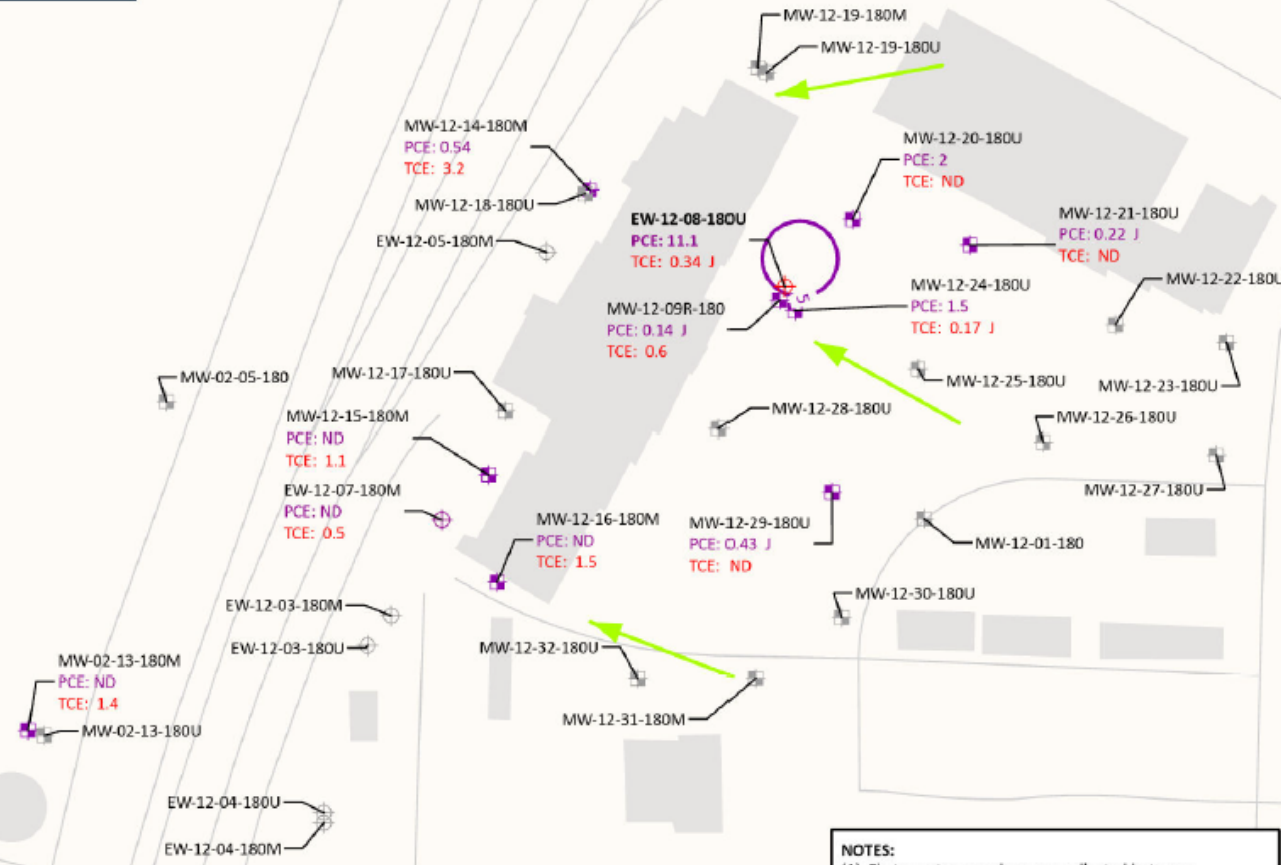
July – Aug 2024 Sites 2/12 Treated Water at TS-212-INJ did not exceed discharge limits





EW-12-08-180U Samples for 2Q2024

DATE	PCE	TCE
4/10/2024	3.2	0.22 J
5/6/2024	10.1	0.29 J
5/20/2024	8.6	0.29 J
6/3/2024	10.6	0.31 J
6/17/2024	11.1	0.34 J



EXPLANATION

- Roads
- GroundwaterFlow
- Facilities

Well Type and Tetrachloroethene (PCE)/ Trichloroethene (TCE) Detection

- Groundwater Extraction Well: PCE is greater than the ACL and TCE is below or equal to the ACL
- Groundwater Extraction Well: PCE and TCE are less than or equal to the ACL
- Groundwater Monitoring Well: PCE and TCE are less than or equal to the ACL
- Groundwater Extraction Well: Well not sampled
- Groundwater Monitoring Well: Well not sampled

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

- PCE - Exceedance contour
- TCE - no exceedance contour present in 2Q2024

ND Chemical of Concern (COC) is non-detect

Well ID - Sample Location
TCE and PCE concentration (µg/L) with validation/lab qualifier.
Bold when exceeds the ACL.

NOTES:

- (1) First quarter samples were collected between April 10, 2024 and June 17, 2024.
- (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
SECOND QUARTER 2024
Sites 2 and 12, Second Quarter 2024
Groundwater and Soil Gas Monitoring and Treatment
System Report, Former Fort Ord, California

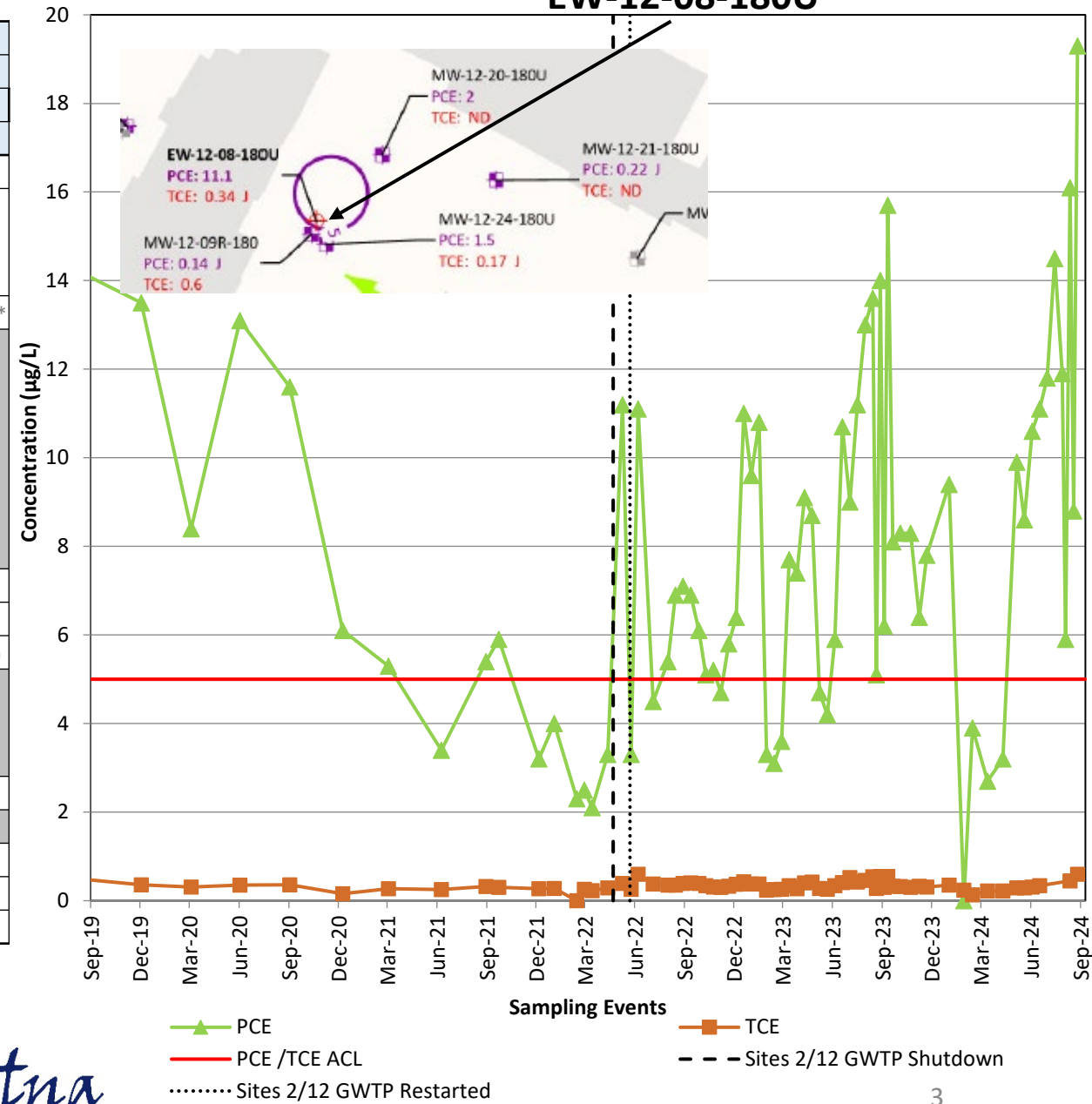
Table 2. Sites 2/12 Groundwater Extraction/Monitoring Well PCE Data

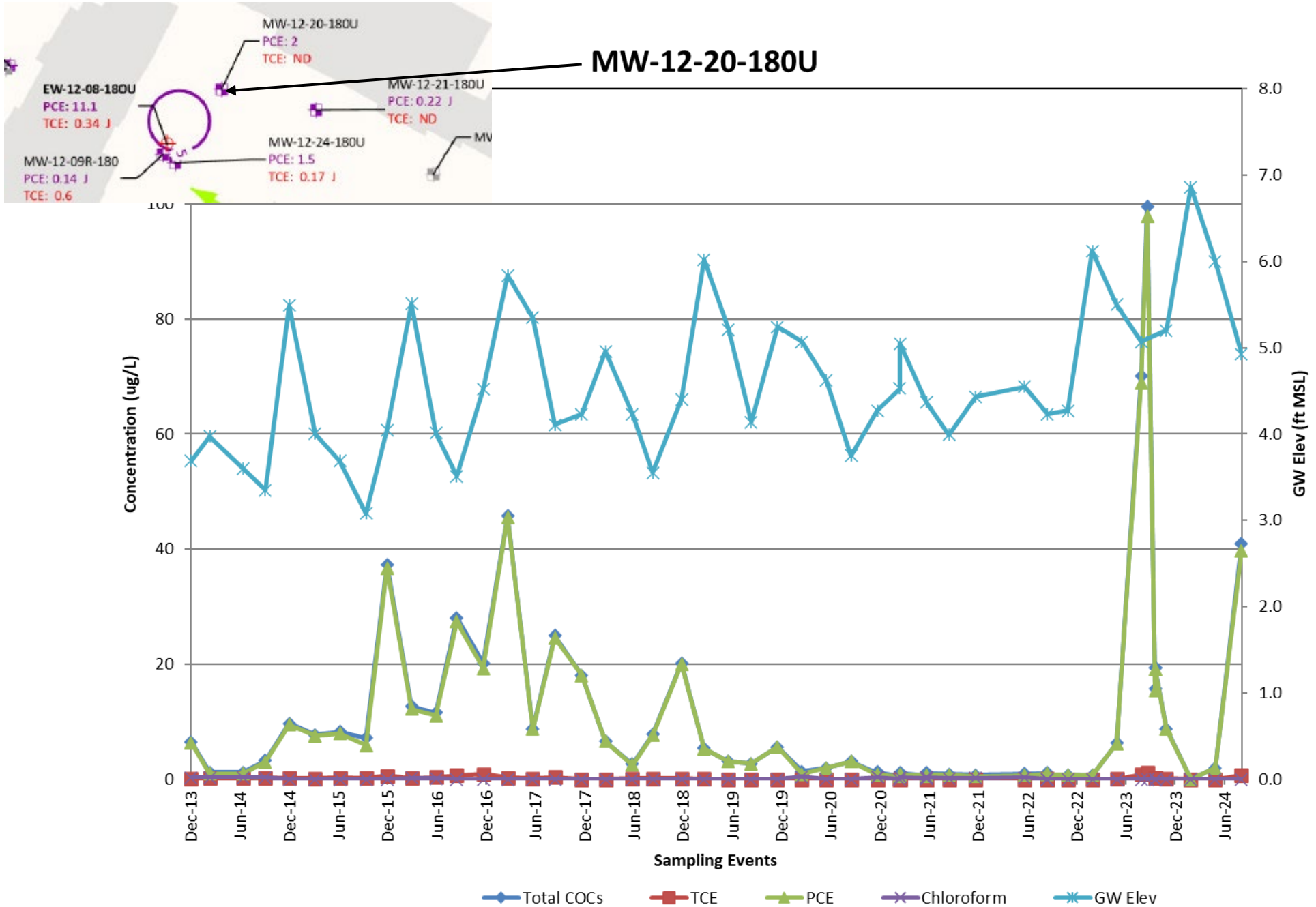
Well Identification ¹	Select COC Concentrations (µg/L) ²								
	3Q2022	4Q2022	1Q2023	2Q2023	3Q2023	4Q2023	1Q2024	2Q2024	3Q2024
	PCE								
ACL:	5.0								
EW-12-03-180M	0.39 J	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	NS	NS	NS	NS
EW-12-05-180M	0.56 0.50 0.52	ND (0.25)	0.46 J 0.47 J	0.44 J 0.49 J 0.50 0.47 J	0.52 0.51 0.54 0.56	0.5 0.37 J 0.53	NS	NS	NS
EW-12-07-180M	ND (0.25)	ND (0.25)	ND (0.25)	0.13 J	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)*
EW-12-08-180U	4.5 5.4 6.9 7.1 6.9 6.1 J+	5.1 5.2 4.7 5.8 6.4 11	9.6 10.8 3.3 3.1 3.6 7.7 7.4	9.1 8.7 4.7 4.2 J- 5.9 10.7	9.0 11.2 13.0 13.6 5.1 14.0 6.2 15.7 8.1	8.3 8.3 6.4 7.8	9.4 ND (0.25) 3.8 3.9	3.2 10.1 8.6 10.6 11.1	11.8* 14.5* 11.9* 5.9* ³ 16.1* 8.8* ³ 19.3*
MW-12-09R-180	0.65	0.16 J	0.12 J	0.14 J	0.12 J	0.17 J	ND (0.25)	0.14 J	0.15 J*
MW-12-14-180M	0.27 J	0.20 J	0.20 J	0.22 J	0.23 J	0.19 J	ND (0.25)	0.54	0.37 J*
MW-12-16-180M	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
MW-12-20-180U	1.0	0.73	0.68	6.2 2.8	68.9 97.9	15.5‡ 19.1‡ 19.1‡ 8.7	ND (0.25)	2.0	39.8*
MW-12-21-180U	0.24 J	0.30 J	0.11 J	0.17 J	0.22 J	0.24 J	ND (0.25)	0.22 J	0.27 J*
MW-12-24-180U	0.56	0.39 J	0.43 J	0.47 J	5.7	3.6	ND (0.25)	1.5	32.1*
MW-12-28-180U	0.33 J	NS	NS	NS	0.34 J	NS	NS	NS	0.39 J*
MW-12-30-180U	0.39 J	0.33 J	0.24 J	0.18 J	0.27 J	NS	NS	NS	0.36 J*
MW-12-32-180U	0.37 J	0.34 J	0.28 J	0.18 J	0.33 J	NS	NS	NS	0.49 J*

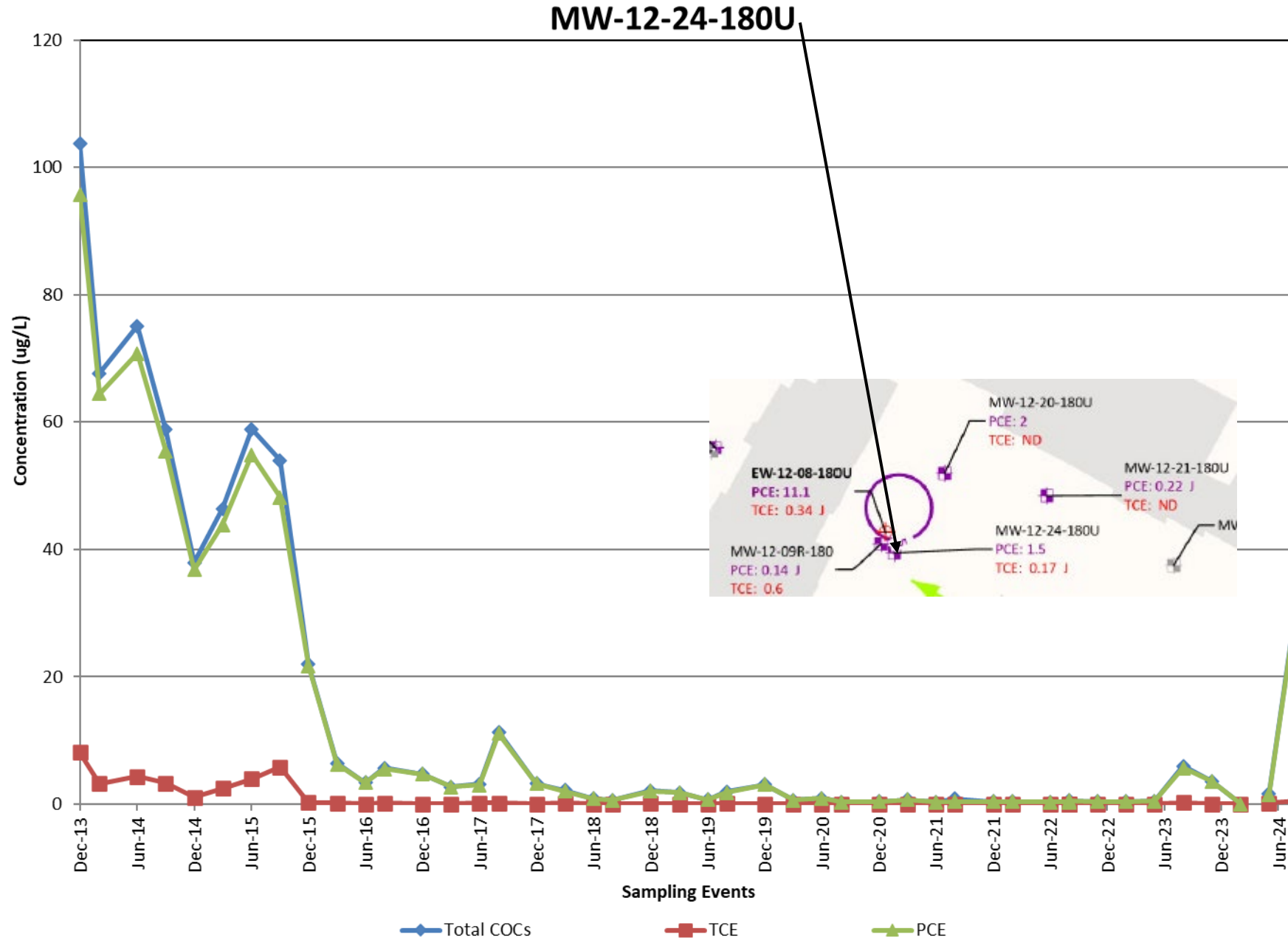
Notes:
¹ Extraction wells not listed have met the QAPP decision rules to no longer operate.
² Concentration in **bold** and shaded exceeds the Aquifer Cleanup Level (ACL). Concentrations in gray text are ND.
³ Sample was collected following a week online.
 J: Estimated results below the limit of quantitation (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



EW-12-08-180U







EXPLANATION

- Roads
 - Facilities
 - Soil Vapor Treatment Unit
- Well Type and COC Concentration**
- ⊕ Soil Vapor Extraction Treatments System (SVETS)
Well: PCE and TCE are Below SG-SL
 - ⊕ Soil Gas Probe Cluster: Tetrachloroethane (PCE) and trichloroethene (TCE) is below or equal to SG-SL
 - ⊕ Soil Gas Probe Cluster: PCE is above SG-SL and TCE is below or equal to SG-SL
 - ⊕ Soil Gas Probe Cluster: TCE is above SGCL and PCE is below or equal to SG-SL
 - ⊕ SVETS Effluent: PCE and TCE are below or equal to SG-SL
 - ⊕ SVETS Influent: PCE and TCE are below or equal to SG-SL
 - ⊕ Soil Gas Probe Cluster: Probes not sampled
 - ⊕ Soil Vapor Extraction Well: Well not sampled

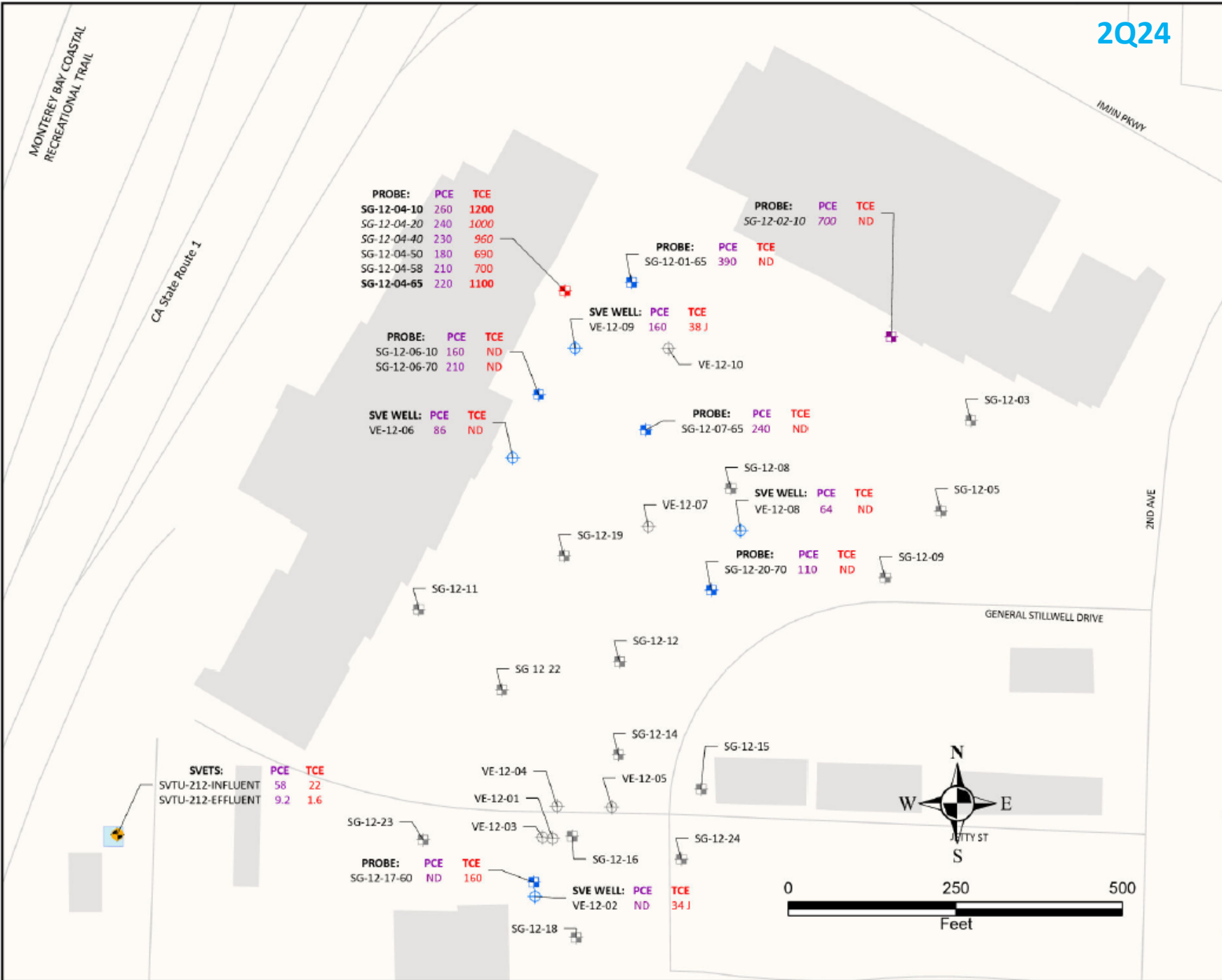
ND Chemical of Concern (COC) is non-detect

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.

Probe	PCE	TCE
SG-12-04-10	260	970

- NOTES:**
- (1) Soil gas samples were collected between April 22, 2024 and April 24, 2024, while the SVETS was not in operation.
 - (2) The SVETS was operational starting April 25, 2024 and the vents, influent, and effluent were sampled at this time.
 - (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 2024
Sites 2 and 12, Second Quarter 2024 Groundwater and Soil Gas Monitoring and Treatment System Report, Former Fort Ord, California



PROBE: PCE TCE

SG-12-04-10	260	1200
SG-12-04-20	240	1000
SG-12-04-40	230	960
SG-12-04-50	180	690
SG-12-04-58	210	700
SG-12-04-65	220	1100

PROBE: PCE TCE

SG-12-02-10	700	ND
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PROBE: PCE TCE

SG-12-01-65	390	ND
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SVE WELL: PCE TCE

VE-12-09	160	38 J
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PROBE: PCE TCE

SG-12-06-10	160	ND
SG-12-06-70	210	ND

SVE WELL: PCE TCE

VE-12-06	86	ND
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PROBE: PCE TCE

SG-12-07-65	240	ND
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SVE WELL: PCE TCE

VE-12-08	64	ND
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PROBE: PCE TCE

SG-12-20-70	110	ND
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SVETS:

SVTU-212-INFLUENT	PCE 58	TCE 22
SVTU-212-EFFLUENT	PCE 9.2	TCE 1.6

PROBE: PCE TCE

SG-12-17-60	ND	160
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SVE WELL: PCE TCE

VE-12-02	ND	34 J
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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
- SVETS in operation 33 days before 1Q2023 samples were collected
- Rebound minimal following 2Q2023 sampling event. Restarted SVETS on May 12, 2023.
- SVETS shutdown June 21, 2023 and baseline sampling conducted June 23, 2023 (SG-12-04-10, -20, -and 65)
- Rebound minimal following 3Q2023 and 4Q2023. SVETS remained offline.
- Rebound trends at SG-12-04 indicate TCE SGCL exceedance by 2Q2024.
- SVETS restarted on April 25, 2024.
- SVETS shutdown August 9, 2024, following 3Q2024 monitoring event, to assess rebound.
- SVETS operated for 24 hours between August 15 and 16, 2024 to collect soil vapor extraction well samples.

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

SVETS ID	PCE						TCE					
	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24*	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24*
VE-12-02	ND	NS	NS	NS	ND	ND*	ND	NS	NS	NS	34 J	ND*
VE-12-06	51 J	NS	NS	NS	86	ND*	ND	NS	NS	ND	ND*	ND*
VE-12-08	64 J	NS	NS	NS	64	ND*	ND	NS	NS	ND	ND*	ND*
VE-12-09	120	NS	NS	NS	160	82*	ND	NS	NS	38 J	ND*	ND*
SVTU-INF	ND	NS	NS	NS	58	33*	ND	NS	NS	22	8.6*	8.6*
SVTU-EFF	ND	NS	NS	NS	9.2	11*	ND	NS	NS	1.6	8.5*	8.5*

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 (µg/m³)

COC	SGCL (µg/m³)	SG-SL (µg/m³)
PCE	1,800	<i>603</i>
TCE	1,000	<i>888</i>



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

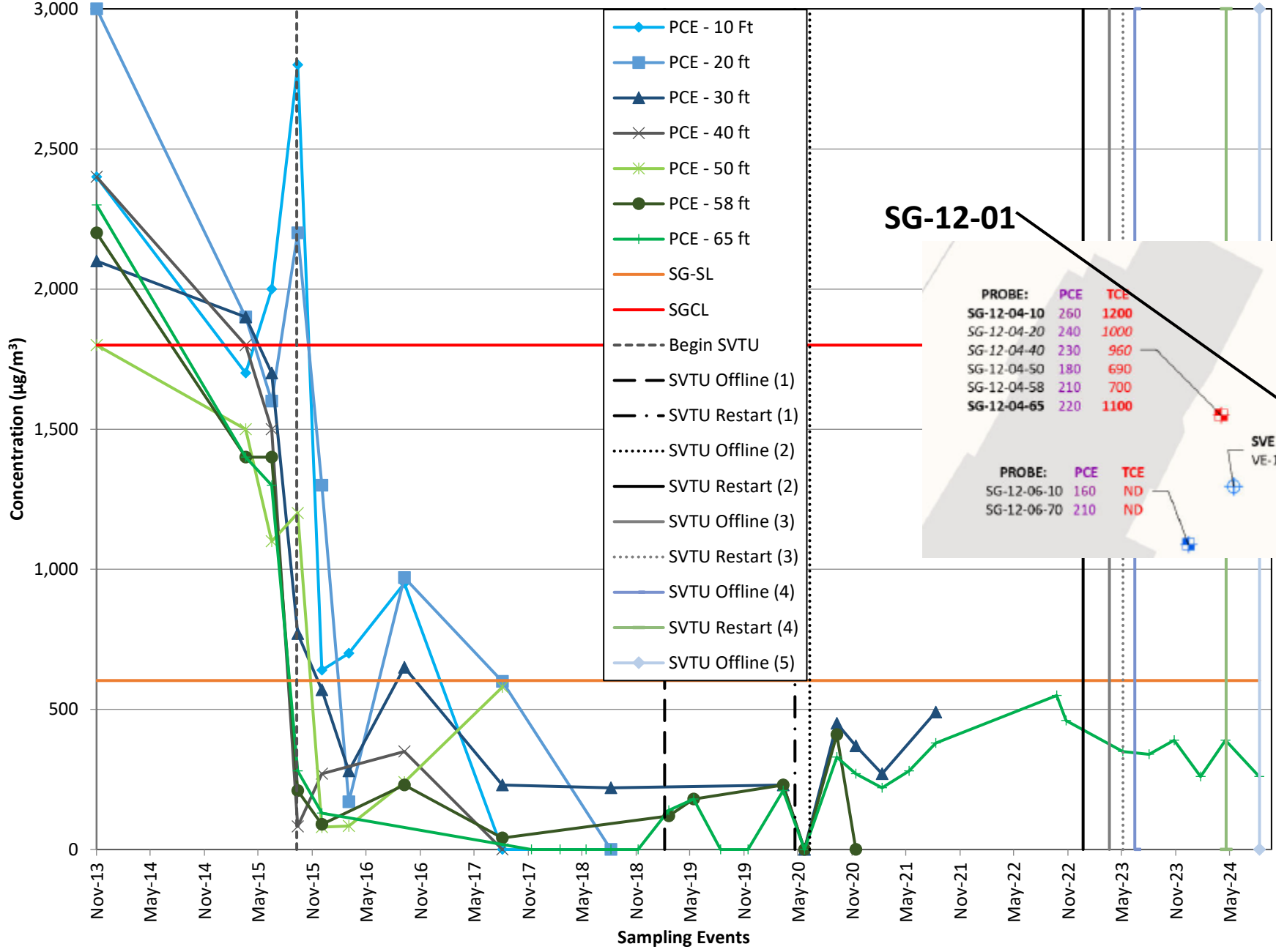
Soil Gas Probe ID	Schedule	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24*
		PCE							
SG-12-01-65	Q	460	NS	350	340	390	260	390	260*
SG-12-02-10	Q ¹	<i>1,100</i>	580	<i>700</i>	<i>680</i>	<i>950</i>	570	<i>700</i>	<i>1,100*</i>
SG-12-02-20	A	NS	NS	NS	500	NS	NS	NS	<i>770*</i>
SG-12-02-30	A	NS	NS	NS	470	NS	NS	NS	<i>680*</i>
SG-12-02-40	A	NS	NS	NS	450	NS	NS	NS	<i>660*</i>
SG-12-02-50	A	NS	NS	NS	450	NS	NS	NS	<i>690*</i>
SG-12-02-57	A	NS	NS	NS	430	NS	NS	NS	ND*
SG-12-02-65	R	NS	NS	NS	NS	NS	NS	NS	NS
SG-12-04-10	Q ³	480	ND	140 99	99	230	200	260	ND*
SG-12-04-20	Q ³	440	44 J	110 98	140	230	180	240	44 J*
SG-12-04-40	Q ³	410	68	110	120	180	180	230	ND*
SG-12-04-50	Q ³	380	69 J	130	130	190	160	180	ND*
SG-12-04-58	Q ³	320	110	100	87	120	140	210	ND*
SG-12-04-65	Q ³	400	93	130 97	140	230	160	220	ND*
SG-12-06-10	Q ¹	340	ND	100	85	150	120	160	ND*
SG-12-06-70	Q ²	420	ND	150	120	230	180	210	95*
SG-12-07-65	Q	<i>660</i>	ND	420	180	190	130	240	ND*
SG-12-17-60	Q	ND	ND	ND	ND	ND	ND	ND	ND*
SG-12-20-10	A	NS	NS	NS	410	NS	NS	NS	420*
SG-12-20-20	A	NS	NS	NS	220	NS	NS	NS	120*
SG-12-20-70	Q	NS	NS	120	68	120	90	110	80*

4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24*
TCE							
ND	NS	ND	22	ND	ND	ND	ND*
ND	ND	ND	ND	ND	ND	ND	ND*
NS	NS	NS	3.4	NS	NS	NS	ND*
NS	NS	NS	ND	NS	NS	NS	ND*
NS	NS	NS	ND	NS	NS	NS	ND*
NS	NS	NS	ND	NS	NS	NS	ND*
NS	NS	NS	ND	NS	NS	NS	ND*
NS	NS	NS	ND	NS	NS	NS	ND*
NS	NS	NS	NS	NS	NS	NS	NS
2,500	59	360 170	170	720	970	1,200	34 J*
2,200	130	300 170	280	770	910	1,000	73 J*
1,900	150	220	230	500	910	960	ND*
2,000	170	300	260	550	690	690	43 J*
1,400	160	120	67	160	400	700	ND*
1,900	290	290 170	300	760	730	1,100	ND*
ND	ND	ND	1.2	ND	ND	ND	ND*
ND	ND	ND	6.4	ND	ND	ND	ND*
39 J	ND	ND	9.9	ND	ND	ND	ND*
610	ND	70	62	120	160	160	35 J*
NS	NS	NS	ND	NS	NS	NS	ND*
NS	NS	NS	1.5	NS	NS	NS	ND*
NS	NS	ND	1.4	ND	ND	ND	ND*

Last Exceedance			
PCE		TCE	
SG-SL	SGCL	SG-SL	SGCL
2Q15	4Q13	--	--
3Q24	3Q15	--	--
3Q24	4Q13	--	--
3Q24	--	--	--
3Q24	--	--	--
3Q24	--	--	--
3Q22	--	--	--
3Q18	--	--	--
2Q15	--	2Q24	2Q24
3Q15	--	2Q24	2Q24
1Q15	--	2Q24	4Q22
1Q15	--	3Q21	4Q22
1Q15	--	2Q22	4Q22
1Q15	--	2Q24	2Q24
3Q15	--	--	--
1Q17	--	--	--
4Q22	3Q15	--	--
--	--	--	4Q15
3Q22	3Q15	--	--
3Q22	2Q15	--	--
3Q15	2Q15	--	--

Notes:
 *Preliminary results
 -- = 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 historical 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>



SG-12-01

