

Table 1: August 2021 – Sites 2/12 GWTP and SVTU Statistics

Monthly Statistics	Volume Treated	Average Flow	Percent of Time Online	COC Mass Removed (pounds)
Aug 2021 GWTP	6,237,101 gal	140 gpm	100	0.19
Total since April 1999	2.236 billion gal			494
Apr-June 2021 SVTU	0 scf	0 scfm	0	0.0
Total since September 2015	1.374 billion scf			9.9

Table 2: August 2021 – Sites 2/12 Treated Water Analytical Results at TS-212-INJ

COC	Discharge Limit (µg/L) ²	Sample Date / Analytical Results
		Not Sampled
1,1-Dichloroethene (1,1-DCE)	6.0	NS
1,2-Dichloroethane (1,2-DCA)	0.50	NS
1,3-dichloropropene (1,3-DCP) ¹	0.50	NS
Chloroform	2.0	NS
cis-1,2-dichloroethene (cis-1,2-DCE)	6.0	NS
Tetrachloroethene (PCE)	5.0	NS
Trichloroethene (TCE)	5.0	NS
Vinyl Chloride (VC)	0.10	NS

Notes:

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) scfm: standard cubic feet per minute

COC: chemical of concern µg/L: micrograms per liter

NS: Not sampled Results in gray are ND

scf: standard cubic foot or feet* Preliminary data

August and Future 2021 Key Events

- Aug 4: EW-12-08-180U offline due to a failed transformer in the well vault. The transformer was replaced and the well restarted on Aug 5.
- Aug 16-18: Third Quarter 2021 Soil Gas Monitoring Program event.
- Aug 30-Sep 3: Third Quarter 2021 Groundwater Monitoring Program event.
- Sep 28: Investigate possible GWTS pipeline restrictions preventing increased flow rate from EW-12-08-180U.
- GWTS shutdown if all COCs below ACLs for two consecutive quarters.
- Completion of remediation monitoring phase and confirm completion of attainment monitoring phase.
- Discontinue GWMP and SGMP, propose site closure and GWTS and SVETS for decommissioning in a RACR.
- Shea Homes will decommission EW-12-04-180U and EW-12-04-180M (no date set).



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

Well Identification ³	Select COC Concentrations (µg/L) ⁴																	
	3Q 2019	4Q 2019	1Q 2020	2Q 2020	3Q 2020	4Q 2020	1Q 2021	2Q 2021	3Q 2021*	3Q 2019	4Q 2019	1Q 2020	2Q 2020	3Q 2020	4Q 2020	1Q 2021	2Q 2021	3Q 2021*
	TCE									PCE								
ACL:	5.0									5.0								
EW-12-03-180M	1.7	1.3	2.1	0.62	2.4	2.3	0.14 J	0.70	0.60	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)
EW-12-05-180M	1.9	2.1	0.60	2.1	1.9	2.4	2.0	2.3	2.1	0.71	0.66	0.68	0.95	0.65	0.79	0.71	0.73	0.61
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	0.28 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
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	14.1	13.5	8.4	13.1	11.6	6.1	5.3 J+	3.4	5.4
MW-12-09R-180	1.9	1.7	2.3	1.4	1.2	1.6	1.7	1.4	1.3	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
MW-12-14-180M	2.4	1.5	1.6	1.9	2.1	1.2	1.4 J+	1.4	1.7	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
MW-12-16-180M	1.2	1.5	1.8	1.8	1.7	2.0	2.6	2.1	2.1	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)
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)	2.7	5.6	0.94	2.0	3.1	0.87	0.81	0.75	0.79
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)	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
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)	1.8	3.1	0.60	0.94	0.33 J	0.36 J	0.68	0.29 J	0.37 J
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)	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
MW-12-32-180U	0.42 J	0.54	0.84	0.57	0.64	0.70	0.55	0.62	0.71	0.41 J	0.54	0.71	0.48 J	0.64	0.73	0.50	0.52	0.63

Notes:

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

² Discharge limits are the ACLs for injection over the plume.

³ Extraction wells not listed have met the QAPP decision rules to no longer operate.

⁴ 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)

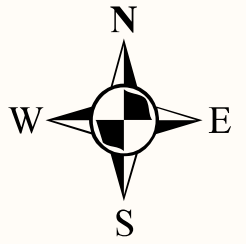
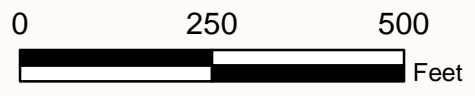
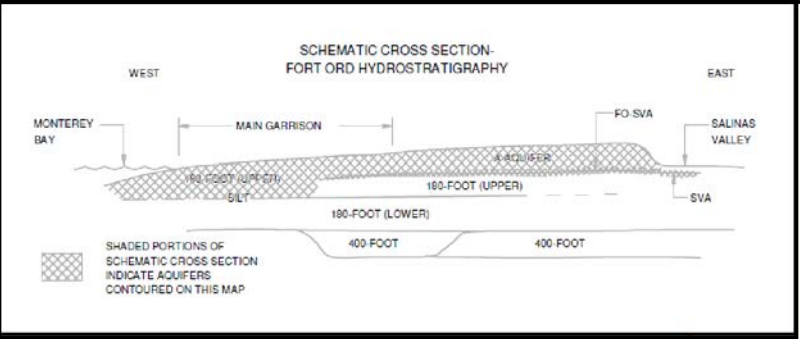
ND: The analyte was not detected at or above the limit of detection (LOD)

COC: chemical of concern

µg/L: micrograms per liter

* Preliminary data





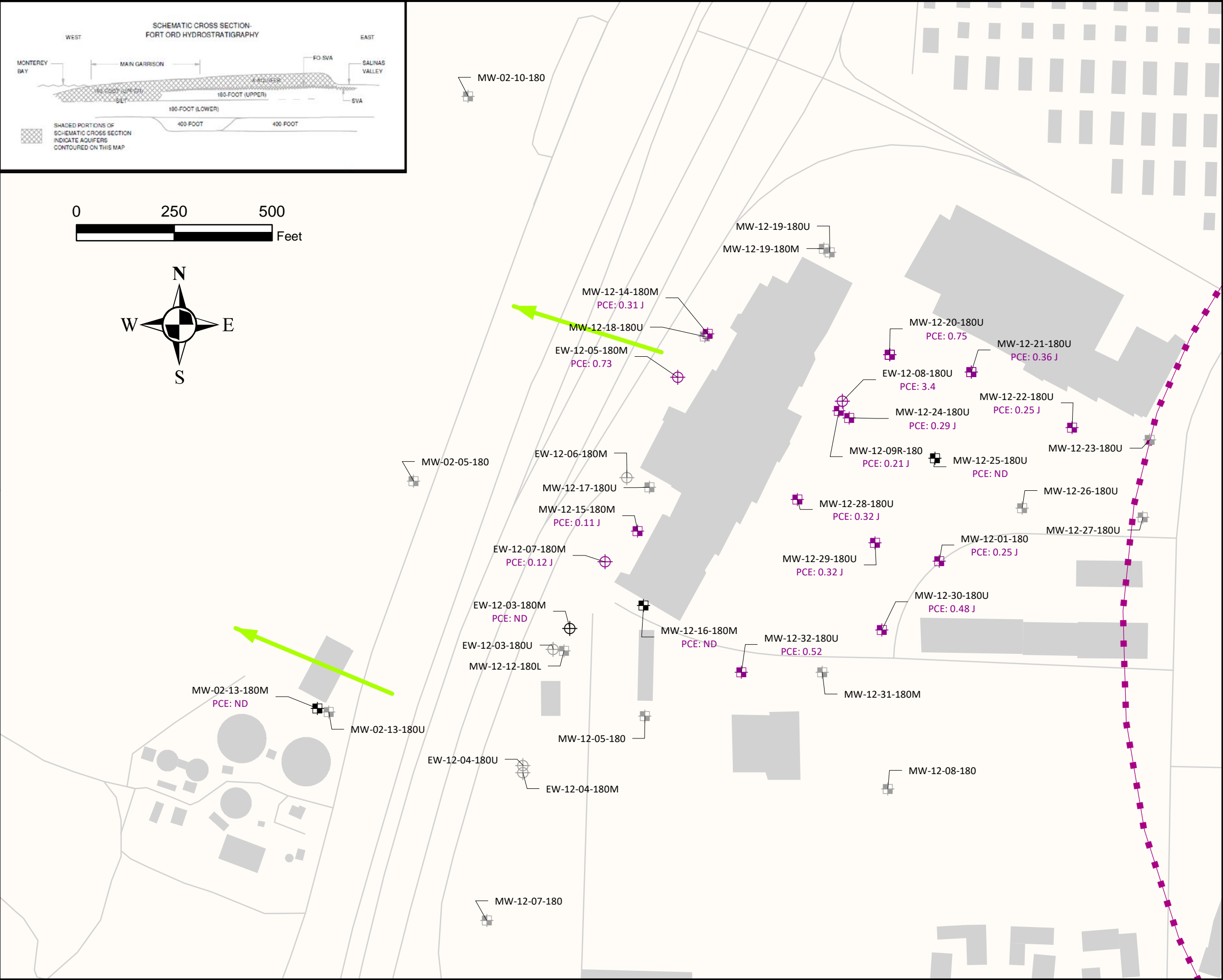
EXPLANATION

- Approximate location of the Upper 180-Foot Aquifer Groundwater Divide
 - General groundwater flow
 - Roads
 - Facilities
- Well type and PCE**
- Monitoring well with PCE detection less than ACL
 - Monitoring well with no PCE
 - Extraction well with PCE detection less than ACL
 - Extraction well with no PCE
 - Extraction well not
 - Extraction well not
 - Monitoring well not
 - ND Chemical of Concern (COC) is non-detect

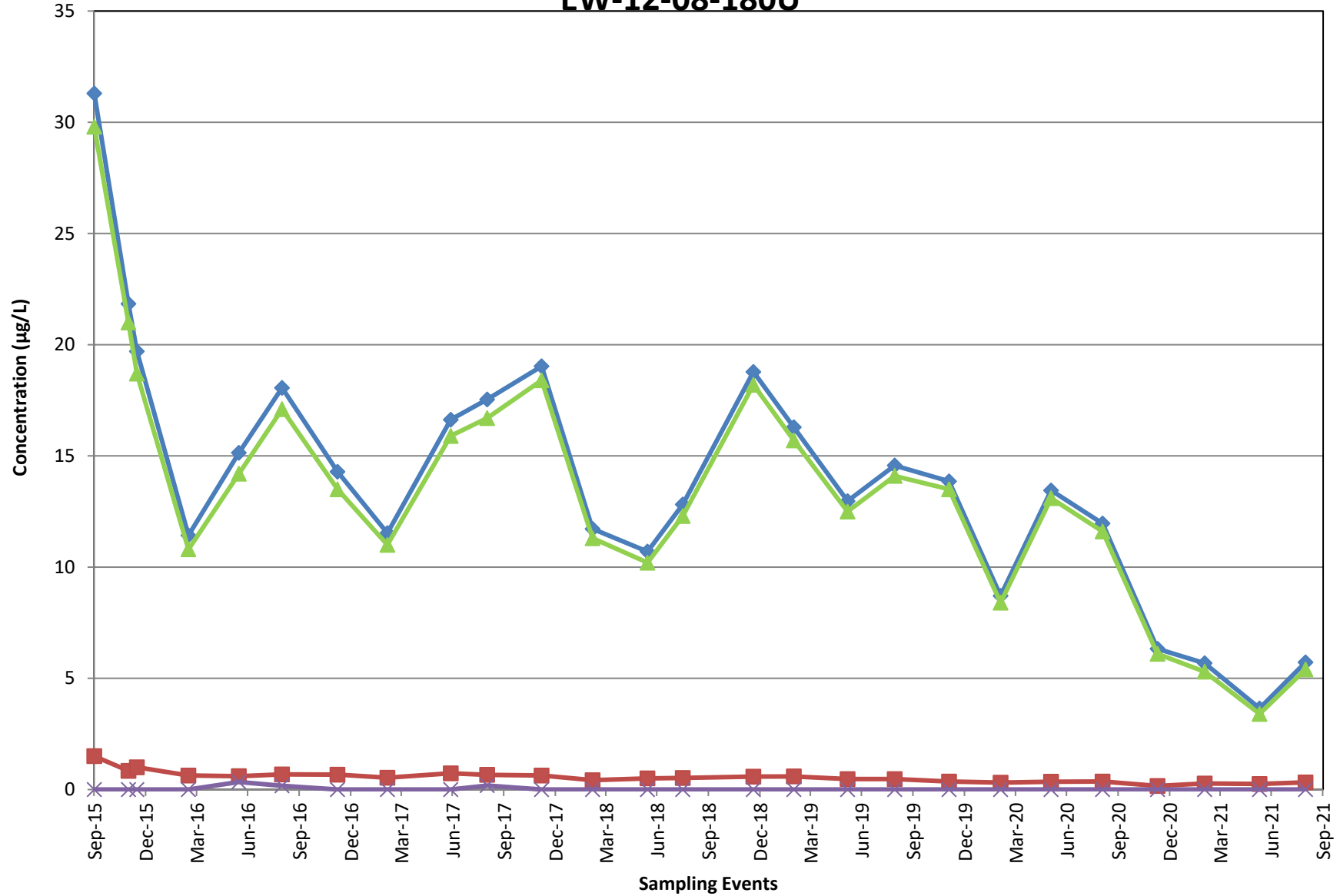
Well ID - Bold when ACL exceeded PCE and/or TCE concentration (µg/L) with validation/lab qualifier.

- NOTES:**
- (1) Samples were collected between June 7, 2021 and June 11, 2020.
 - (3) PCE and other COC ACL exceedances plumes are illustrated when present.

GROUNDWATER PCE CONCENTRATIONS
 UPPER 180-FOOT AQUIFER
 SECOND QUARTER 2021
 Sites 2 and 12, Second Quarter 2021
 Groundwater and Soil Gas Monitoring and Treatment
 System Report, Former Fort Ord, California



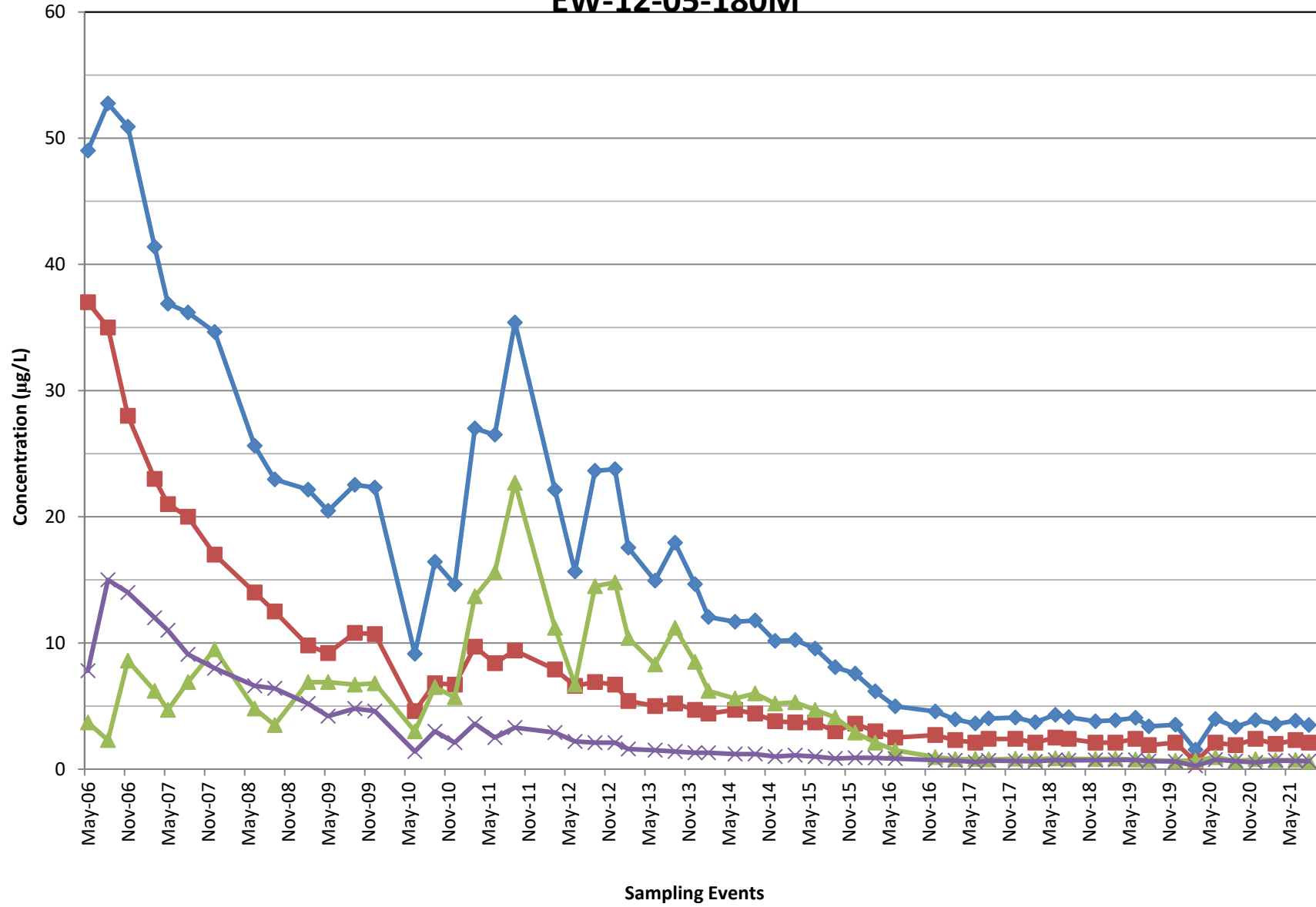
EW-12-08-180U



◆ Total COCs ■ TCE ▲ PCE ✕ cis-1,2-DCE



EW-12-05-180M



◆ Total COCs ■ TCE ▲ PCE ✕ Cis-1,2-DCE

Table 3. Sites 2/12 Soil Gas Monitoring Results

Soil Gas Probe ID	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	Schedule
	PCE							TCE							
SG-12-01-30	230	ND	450	370	270	NS	490	ND	ND	ND	ND	ND	NS	ND	RB
SG-12-01-58	230	ND	410	ND	NS	NS	NS	ND	ND	ND	ND	NS	NS	NS	RB
SG-12-01-65	210	ND	330	270	220	280	380	ND	ND	ND	ND	ND	ND	ND	Q ²
SG-12-02-10	790	970	1,200	1,200	540	770	1,100	ND	ND	ND	ND	ND	ND	ND	Q ¹
SG-12-02-20	NS	NS	940	NS	NS	NS	800	NS	NS	ND	NS	NS	NS	ND	A
SG-12-02-30	NS	NS	760	NS	NS	NS	730	NS	NS	ND	NS	NS	NS	ND	A
SG-12-02-40	NS	NS	830	NS	NS	NS	720	NS	NS	ND	NS	NS	NS	ND	A
SG-12-02-50	NS	NS	820	NS	NS	NS	720	NS	NS	ND	NS	NS	NS	ND	A
SG-12-02-57	NS	NS	760	NS	NS	NS	290	NS	NS	ND	NS	NS	NS	ND	A
SG-12-02-65	NS	NS	600	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	R
SG-12-04-10	120	ND	100	120	100	150	280	1,300	ND	360	620	780	1,400	2,000	Q ³
SG-12-04-20	110	ND	100	130	99	150	260	1,100	52 J	350	510	770	1,300	1,900	Q ³
SG-12-04-40	92	ND	83 J	87	89	NS	120	90	ND	ND	56 J	88	NS	220	INV
SG-12-04-50	92	52 J	85	110	100	120	210	630	140	180	230	530	720	1,000	A
SG-12-04-58	110	ND	81 J	120	NS	NS	NS	440	46 J	170	250	NS	NS	NS	RB
SG-12-04-65	97	ND	88	130	100	140	220	890	150	220	440	560	1,000	1,500	Q ³
SG-12-06-10	120	ND	110	180	100	140	230	ND	ND	ND	ND	ND	ND	ND	Q ¹
SG-12-06-70	160	NS	160	210	180	190	260	ND	NS	ND	ND	ND	ND	ND	Q ²

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/m³)

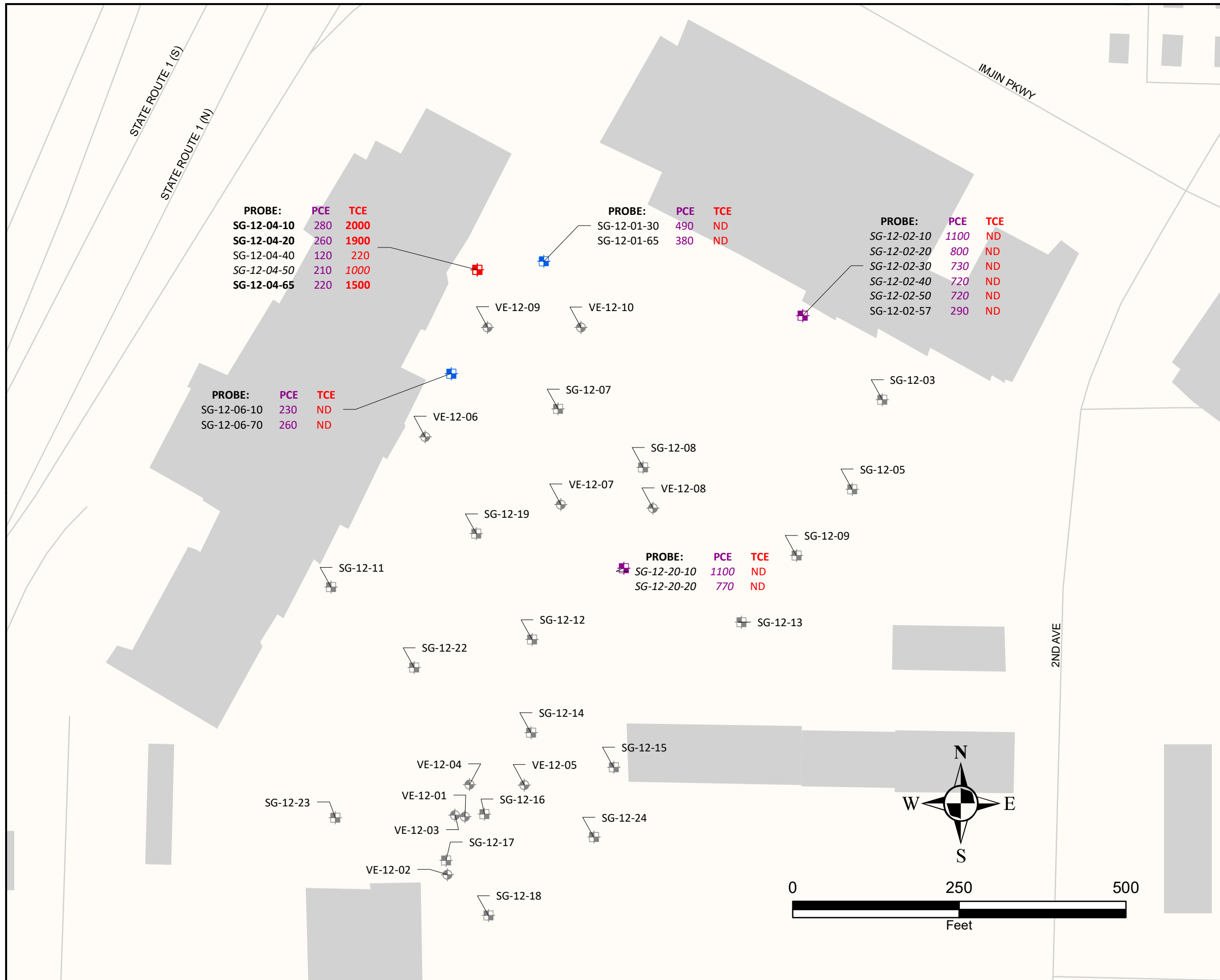
¹ Quarterly probe due to proximity of store front in an area of historic soil gas concentrations above the SGCL.

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: PCE is below or equal to SG-SL and TCE is non-detect
- Site 12 Soil Gas Probe: PCE is above SG-SL but below or equal to SGCL and TCE is non-detect
- Site 12 Soil Gas Probe: TCE is above SGCL levels and PCE is below or equal to SG-SL
- Site 12 Soil Gas Cluster: Probes 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
 Probe PCE TCE
 SG-12-02-10 1100 ND
 TCE and PCE concentration (µg/L) with validation/lab qualifier. Italic when exceeds the SG-SL. Bold when exceeds the SGCL.

- NOTES:**
- (1) Samples were collected between August 16, 2021 and August 18, 2021.
 - (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 2021
 Sites 2 and 12, Fourth Quarter 2020 -Third Quarter 2021
 Groundwater and Soil Gas Monitoring and Treatment System Report, Former Fort Ord, California

