Sites 2 and 12 Data and Status

Table 1: Nov – Dec 2024 Sites 2/12 GWTP and SVTU Statistics

Monthly Statistics	Volume Treated	Temporal Average Flow	Percent of Time Online	COC Mass Removed (pounds)
November 2024 GWTP	0	0 gpm	0%	0
December 2024 GWTP	1,178,100	26 gpm	50.3%	0.01
Total since April 1999	*2.368 billion gal*			*499.1*
November 2024 SVTU	0	0 cfm	0%	0
December 2024 SVTU	0	0 cfm	0%	0
Total since September 2015	*1.594 billion scf*			*11.3*

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

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

Recent Key Events

- Oct 27-Dec 16: GWTP offline due to effluent pump failure
- Nov 4-8: Fourth Quarter 2024 SGMP event
- Nov 18-22: Fourth Quarter 2024 GWMP event
- Dec 16: New effluent pump installed, GWTP restarted and sampled
- Jan 22 & 31: City of Marina tree trimming and encampment removal
- Jan 27: GWTP offline for pulse pumping one week resting phase after 6 weeks online
- Feb 3-7: First Quarter 2025 SGMP event

Future Key Events

- Feb 10-14: First Quarter 2025 GWMP event
- Sites 2/12 GWTP wye fitting to be replaced Feb 2025
- May 5-9: Second Quarter 2025 SGMP event
- May 12-16: Second Quarter 2025 GWMP event
- Shea Homes or Monterey Motorsports may decommission EW-12-04-180U, EW-12-04-180M (no date set)

Remedial Summary

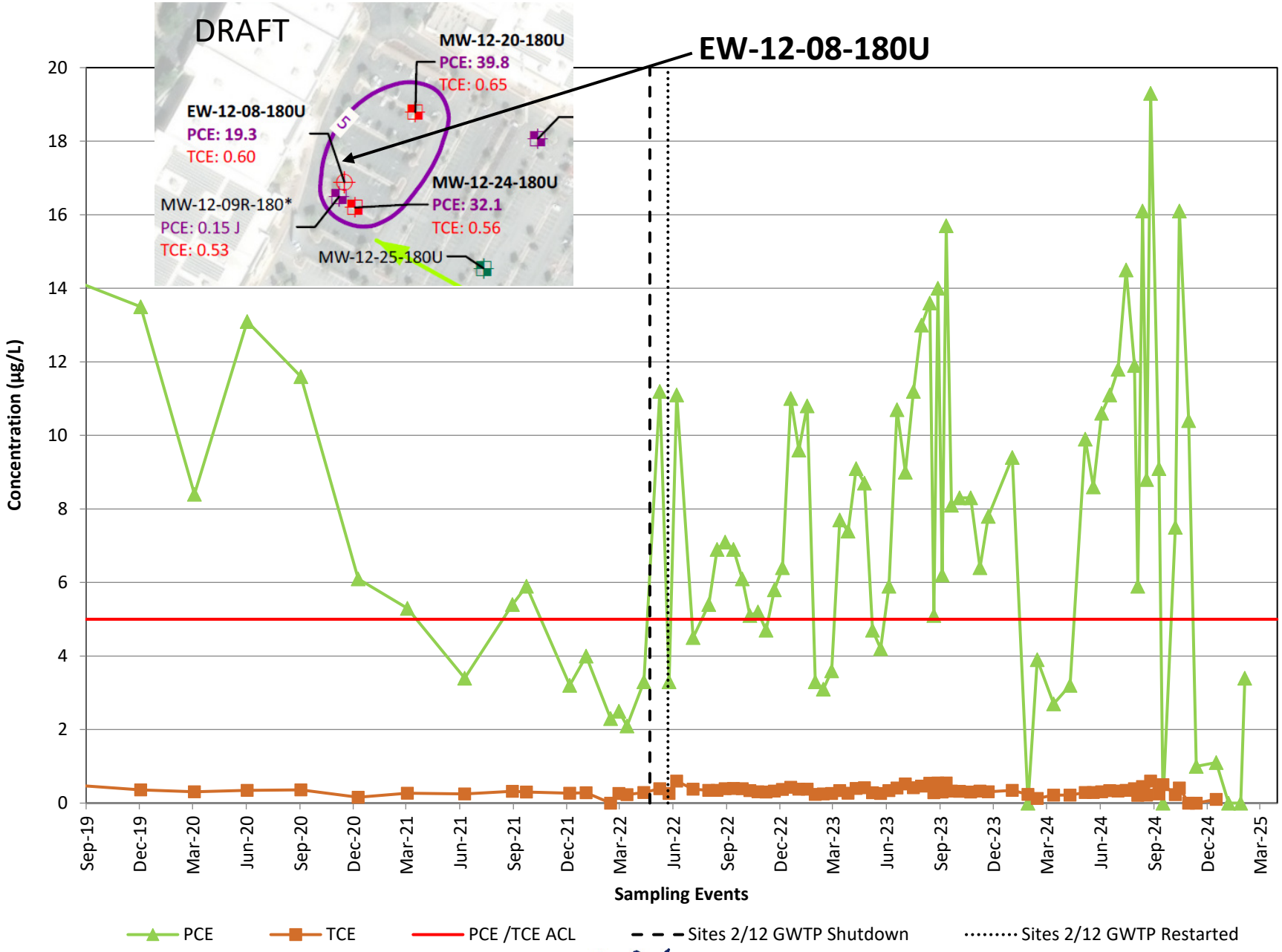
- **8 COCs:** 1,1-DCE; 1,2-DCA; chloroform; cis-1,2-DCE; PCE; total 1,3-DCP; TCE; and VC.
- **Remediation:** Pump and treat with GAC in the unconfined Upper 180-Foot Aquifer since 1999. Extraction wells added in 2007 and 2015.
- **Monitoring:** Quarterly groundwater monitoring and reporting, including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

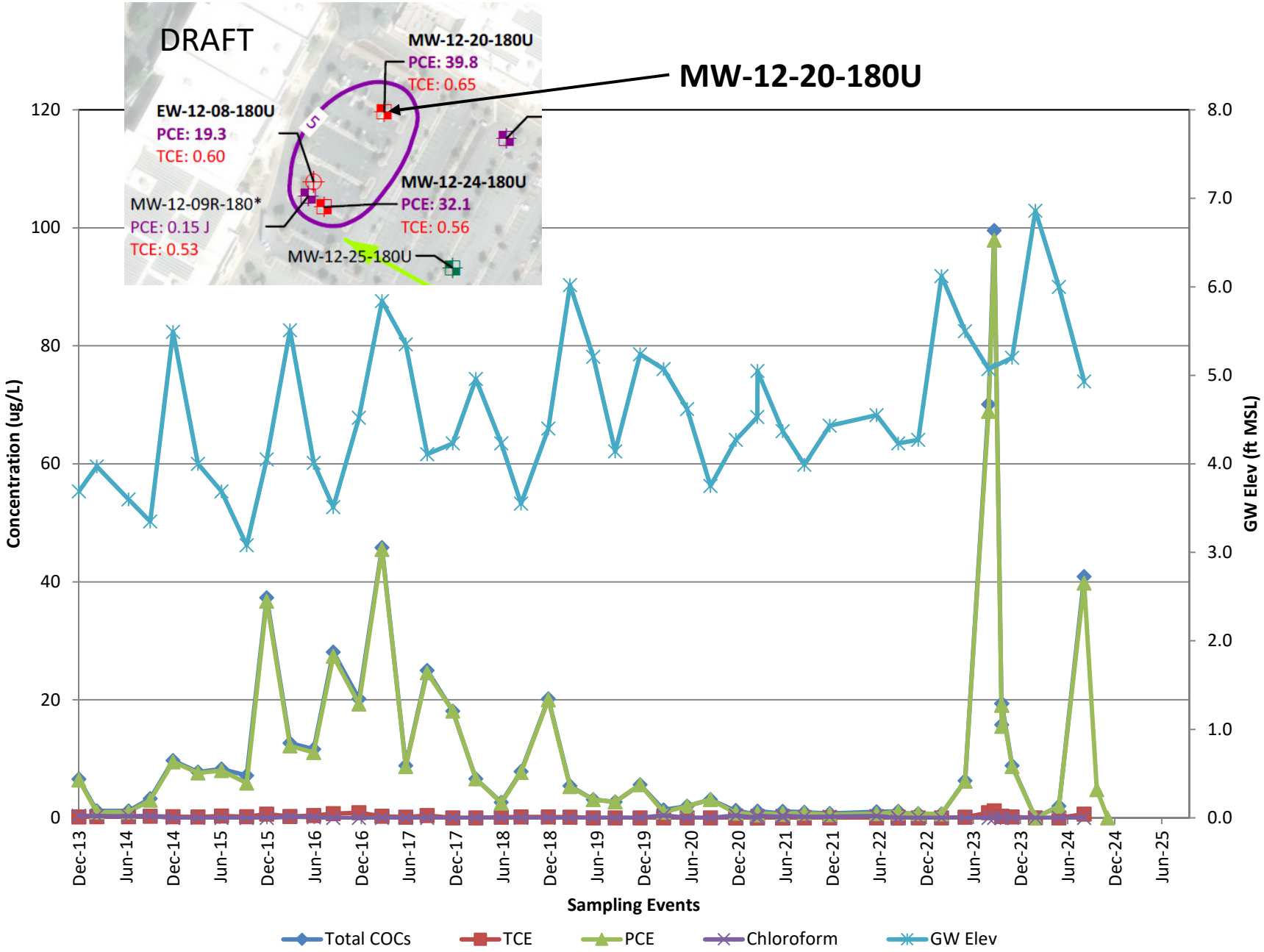
Ahtna

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	4Q2024	1Q2025*
	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	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	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)	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** **9.1**[4] ND (0.25)	**7.5**[5] **16.1** **10.4 J+**[4] 1.0[6] 1.1*[7]	ND (0.25)*[5] ND (0.25)*[8] 3.4*
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	ND (0.25)	
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	ND (0.25)	
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)	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**	4.8 ND (0.25)	
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	ND (0.25)	
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**	ND (0.25)	
MW-12-28-180U	0.33 J	NS	NS	NS	0.34 J	NS	NS	NS	0.39 J	NS	
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	NS	
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	NS	

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 one week online
[4] Sample was collected following two weeks online
[5] Sample was collected following three weeks online
[6] Sample was collected following two weeks offline
[7] Sample was collected following eight weeks offline
[8] Sample was collected following six weeks online
J: Estimated results below the limit of quantitation (LOQ)
ND: The analyte was not detected at or above the limit of detection (LOD)
NS: No sample (annual well)
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


DRAFT
EW-12-08-180U
MW-12-20-180U
PCE: 39.8
TCE: 0.65
EW-12-08-180U
PCE: 19.3
TCE: 0.60
MW-12-24-180U
PCE: 32.1
TCE: 0.56
MW-12-09R-180*
PCE: 0.15 J
TCE: 0.53
MW-12-25-180U
Concentration (µg/L)
Sampling Events
PCE
TCE
PCE /TCE ACL
Sites 2/12 GWTP Shutdown
Sites 2/12 GWTP Restarted


DRAFT
MW-12-20-180U
PCE: 39.8
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EW-12-08-180U
PCE: 19.3
TCE: 0.60
MW-12-09R-180*
PCE: 0.15 J
TCE: 0.53
MW-12-24-180U
PCE: 32.1
TCE: 0.56
MW-12-25-180U
MW-12-20-180U
Concentration (ug/L)
GW Elev (ft MSL)
Sampling Events
Total COCs
TCE
PCE
Chloroform
GW Elev

SVETS Operation Summary

- 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	4Q24	1Q25	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24	1Q25
VE-12-02	ND	NS	NS	NS	ND	ND	NS	NS	ND	NS	NS	NS	34 J	ND	NS	NS
VE-12-06	51 J	NS	NS	NS	86	ND	NS	NS	ND	NS	NS	NS	ND	ND	NS	NS
VE-12-08	64 J	NS	NS	NS	64	ND	NS	NS	ND	NS	NS	NS	ND	ND	NS	NS
VE-12-09	120	NS	NS	NS	160	82	NS	NS	ND	NS	NS	NS	38 J	ND	NS	NS
SVTU-INF	ND	NS	NS	NS	58	33	NS	NS	ND	NS	NS	NS	22	8.6	NS	NS
SVTU-EFF	ND	NS	NS	NS	9.2	11	NS	NS	ND	NS	NS	NS	1.6	8.5	NS	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 (µg/m^3)

COC	**SGCL (µg/m^3)**	*SG-SL (µg/m^3)*
PCE	**1,800**	*603*
TCE	**1,000**	*888*

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

Soil Gas Probe ID	Schedule	PCE									TCE									Last Exceedance			
		4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24	PCE		TCE	
																				SG-SL	**SGCL**	*SG-SL*	**SGCL**
SG-12-01-65	Q	460	NS	350	340	390	260	390	260	340	ND	NS	ND	22	ND	ND	ND	ND	ND	2Q15	4Q13	--	--
SG-12-02-10	Q[1]	*1,100*	580	*700*	*680*	*950*	570	*700*	*1,100*	*1,000*	ND	ND	ND	ND	ND	ND	ND	ND	ND	4Q24	3Q15	--	--
SG-12-02-20	A	NS	NS	NS	500	NS	NS	NS	*770*	NS	NS	NS	NS	3.4	NS	NS	NS	ND	NS	3Q24	4Q13	--	--
SG-12-02-30	A	NS	NS	NS	470	NS	NS	NS	*680*	NS	NS	NS	NS	ND	NS	NS	NS	ND	NS	3Q24	--	--	--
SG-12-02-40	A	NS	NS	NS	450	NS	NS	NS	*660*	NS	NS	NS	NS	ND	NS	NS	NS	ND	NS	3Q24	--	--	--
SG-12-02-50	A	NS	NS	NS	450	NS	NS	NS	*690*	NS	NS	NS	NS	ND	NS	NS	NS	ND	NS	3Q24	--	--	--
SG-12-02-57	A	NS	NS	NS	430	NS	NS	NS	ND	NS	NS	NS	NS	ND	NS	NS	NS	ND	NS	3Q22	--	--	--
SG-12-02-65	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3Q18	--	--	--
SG-12-04-10	Q[3]	480	ND	140 99	99	230	200	260	ND	93	**2,500**	59	360 170	170	720	*970*	**1,200**	34 J	180	2Q15	--	2Q24	2Q24
SG-12-04-20	Q[3]	440	44 J	110 98	140	230	180	240	44 J	79	**2,200**	130	300 170	280	770	*910*	**1,000**	73 J	170	3Q15	--	2Q24	2Q24
SG-12-04-40	Q[3]	410	68	110	120	180	180	230	ND	95*	**1,900**	150	220	230	500	*910*	*960*	ND	100	1Q15	--	2Q24	4Q22
SG-12-04-50	Q[3]	380	69 J	130	130	190	160	180	ND	80*	**2,000**	170	300	260	550	690	690	43 J	140	1Q15	--	3Q21	4Q22
SG-12-04-58	Q[3]	320	110	100	87	120	140	210	ND	92*	**1,400**	160	120	67	160	400	700	ND	160	1Q15	--	2Q22	4Q22
SG-12-04-65	Q[3]	400	93	130 97	140	230	160	220	ND	86*	**1,900**	290	290 170	300	760	730	**1,100**	ND	180	1Q15	--	2Q24	2Q24
SG-12-06-10	Q[1]	340	ND	100	85	150	120	160	ND	67 J*	ND	ND	ND	1.2	ND	ND	ND	ND	ND	3Q15	--	--	--
SG-12-06-70	Q[2]	420	ND	150	120	230	180	210	95	140*	ND	ND	ND	6.4	ND	ND	ND	ND	ND	1Q17	--	--	--
SG-12-07-65	Q	*660*	ND	420	180	190	130	240	ND	62 J*	39 J	ND	ND	9.9	ND	ND	ND	ND	ND	4Q22	3Q15	--	--
SG-12-17-60	Q	ND	ND	ND	ND	ND	ND	ND	ND	ND*	610	ND	70	62	120	160	160	35 J	87	--	--	--	4Q15
SG-12-20-10	A	NS	NS	NS	410	NS	NS	NS	420	NS	NS	NS	NS	ND	NS	NS	NS	ND	NS	3Q22	3Q15	--	--
SG-12-20-20	A	NS	NS	NS	220	NS	NS	NS	120	NS	NS	NS	NS	1.5	NS	NS	NS	ND	NS	3Q22	2Q15	--	--
SG-12-20-70	Q	NS	NS	120	68	120	90	110	80	72 J*	NS	NS	ND	1.4	ND	ND	ND	ND	ND	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 ($\mu g/m^3$)
[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 ($\mu g/m^3$)	*SG-SL ($\mu g/m^3$)*
PCE	**1,800**	*603*
TCE	**1,000**	*888*