

# **Yakima Railroad Area PCE Contamination: Groundwater Quality Monitoring, Data Summary 2024: Appendices**

By  
Matt Mohr

Environmental Assessment Program  
Washington State Department of Ecology  
Olympia, WA

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# Appendix A. Well Construction Details and Field Measurement Data

Table 1. Well Construction Details

Well ID	Well Installation Date	Well Tag ID	Latitude (decimal degrees)	Longitude (decimal degrees)	TOC Elevation (feet)	TOC Stickup (feet)	Ground Surface Elevation (feet)	Casing Diameter (inches)	Well Depth from TOC (feet)	Top of Screen Depth (below TOC)	Bottom of Screen Depth (below TOC)
GMW-1	4/1994	ABJ993	46.59949	-120.5019	1063.00	-1.44	1064.44	2	23	13	23
GMW-2	4/1994	ABJ994	46.59911	-120.50169	1055.42	-0.27	1055.69	2	23	13	23
GMW-4	1/1996	BIN804	46.59924	-120.50151	1056.94	-0.34	1057.28	2	30	10	30
NMW-1	6/1995	ABJ918	46.59366	-120.49867	1044.00	-0.29	1044.29	2	24.1	15	25
NMW-2 <sup>1</sup>	6/1995	ABJ919	46.59322	-120.49748	1044.21	-0.23	1044.44	2	23.6	10	25
NMW-3	6/1995	ABJ920	46.59362	-120.49820	1043.83	—	—	2	23.8	15	25
SGMW-1	4/1996	BIN801	46.58660	-120.51086	1056.90	-0.26	1057.16	2	43.7	15	45
SGMW-2	4/1996	BIN803	46.58617	-120.51034	1056.47	-0.35	1056.82	2	44.2	15	45
SGMW-3	4/1996	BIN802	46.58583	-120.51027	1054.77	-0.49	1055.26	2	45	15	45
WDOE-3S	—	BIN819	46.58963	-120.50341	1053.32	2.82	1050.50	2	29.9	—	—
WDOE-3I	—	BIN817	46.58963	-120.50325	1053.27	2.87	1050.40	2	58.5	—	—
WDOE-3D	—	BIN818	46.58962	-120.50332	1053.12	2.81	1050.31	2	100	—	—
5WMW-2	2/1995	BIN808	46.58887	-120.49778	1039.22	-0.55	1039.77	2	33.6	15	35
CYIMW102S	—	BIN810	46.58388	-120.49798	1030.74	-0.29	1031.03	2	30	10	30
CYIMW103S	—	BIN809	46.58388	-120.49757	1030.65	-0.54	1031.19	2	29.5	10	30
CYIMW103D	1/2003	AHR176	46.58386	-120.49757	1030.66	-0.35	1031.01	2	60	50	60
CYIMW106S	—	BIN806	46.58439	-120.49839	1033.46	-0.46	1033.92	2	29.2	10	30
CYIMW107S	8/1998	BIN805	46.58436	-120.49738	1033.85	-0.15	1034.00	2	29.3	10	30
CYIMW108S	8/1998	BIN807	46.58405	-120.49637	1031.45	-0.64	1032.09	2	30	10	30
CYIMW109S	8/1998	BIN815	46.58394	-120.49649	1029.19	-0.97	1030.16	2	29	10	30
CYIMW110S	8/1998	—	46.58389	-120.49678	1028.50	—	—	2	29	10	30
CYIMW111S	8/1998	—	46.58389	-120.49711	1029.33	—	—	2	31	10	30
CYIMW112S	8/1998	BIN811	46.58298	-120.49679	1028.84	-0.69	1029.53	2	29	10	30
CYIMW113S	8/1998	BIN814	46.58275	-120.49690	1028.38	-1.15	1029.53	2	30	11	31

Well ID	Well Installation Date	Well Tag ID	Latitude (decimal degrees)	Longitude (decimal degrees)	TOC Elevation (feet)	TOC Stickup (feet)	Ground Surface Elevation (feet)	Casing Diameter (inches)	Well Depth from TOC (feet)	Top of Screen Depth (below TOC)	Bottom of Screen Depth (below TOC)
CYIMW113D	8/1998	BIN813	46.58276	-120.49689	1028.19	-0.89	1029.08	2	59.5	50	60
CYIMW114S	8/1998	BIN812	46.58275	-120.49652	1028.18	-1.34	1029.52	2	30.7	10	30
ATMW-4 <sup>2</sup>	10/1997	BIN816	46.56834	-120.48978	1000.82	-0.27	1001.09	2	30	10	30
RI-3S	10/1997	AEB112	46.59247	-120.51698	1071.39	-0.72	1072.11	2	47.2	33	48
RI-4S	11/1997	AEB126	46.58349	-120.52999	1051.91	-0.89	1052.80	6	35	20	35
RI-4D	11/1997	AEB125	46.58349	-120.53005	1052.48	-0.30	1052.78	6	126	116	126
RI-5S	10/1997	AEB114	46.57982	-120.51812	1044.51	-0.41	1044.92	2	38.4	24	39
RI-5D	10/1997	AEB113	46.57982	-120.51819	1044.54	-0.32	1044.86	2	119	109	119
RI-6S	11/1997	AEB122	46.57047	-120.51879	1033.50	-0.37	1033.87	2	38.9	25	40
RI-9S	10/1997	AEB116	46.56028	-120.48761	988.30	-0.54	988.84	2	28.8	15	30
RI-10S	11/1997	AEB128	46.56235	-120.48152	989.05	-0.62	989.67	2	33.3	20	35
RI-11S	11/1997	AEB130	46.56268	-120.47698	988.53	-0.41	988.94	2	38.6	23	38
FWMW-4	2/1995	—	46.598239	-120.511674	1064.45	-0.5	1064.95	2	35	10	35
FWMW-5	1997	—	46.598980	-120.512588	1067.68	-0.48	1068.16	2	35	15	35
FWMW-6	5/2005	AKN055	46.598796	-120.512500	1066.99	-0.2	1067.19	2	35	15	35
FWMW-10	5/2005	AKN059	46.598930	-120.512011	1066.00	-0.44	1066.44	2	35	15	35
FWMW-16	5/2012	BHH289	46.599146	-120.512846	1068.92	-0.54	1069.46	2	35	30	35
FWMW-17	5/2012	BHH290	46.599155	-120.512816	1069.10	-0.34	1069.44	2	93	88	93
FWMW-18	6/2012	BHH291	46.598908	-120.512083	1066.07	-0.52	1063.93	2	92	87	92
FWMW-19	6/2012	BHH292	46.598569	-120.511805	1064.07	-0.47	1062.02	2	93	88	93
FWMW-20	6/2012	BHH293	46.598578	-120.511961	1063.97	-0.28	1064.25	4	35	30	35
FWMW-24	6/2012	BHH293	46.597386	-120.510840	1062.22	—	1062.22	4	35	25	35

—: Information not available.

VERTICAL DATUM: NAVD88. Vertical accuracy measure +/- 10 ft (3m).

HORIZONTAL DATUM: NAD83 HARN. Horizontal accuracy measure +/- 10 ft (3m).

TOC: Top of well casing.

<sup>1</sup>Well NMW-2 decommissioned in 2016.

<sup>2</sup>Well unable to be located since 2017.

**Table 2. Field measurement parameters, 2024.**

Well ID	Well Tag ID	Sample Date	Depth to Groundwater (feet below measuring point)	Temp (°C)	pH (units)	Dissolved Oxygen (mg/L)	Conductivity (µmhos/cm)	ORP (mV)
GMW-1	ABJ993	4/2/2024	22.05	17.6	6.8	7.6	385	130
GMW-2	ABJ994	4/3/2024	19.95	15.8	6.8	7.6	366	136
		10/30/2024	17.42	15.6	6.7	7.1	427	121
GMW-4	BIN804	4/1/2024	20.45	15.8	6.9	7.6	366	166
NMW-1	ABJ918	4/1/2024	19.59	16.6	6.5	7.6	453	181
SGMW-2	BIN803	10/29/2024	28.40	15.1	6.9	8.0	302	121
SGMW-3	BIN802	10/29/2024	26.49	15.1	6.9	8.1	345	115
RMW-3D	BIN818	10/30/2024	28.93	15.5	7.2	7.2	313	-68
RMW-3I	BIN817	10/30/2024	26.86	15.5	6.8	0.3	334	47
RMW-3S	BIN819	10/30/2024	26.13	16.2	6.7	6.5	365	87
CYIMW102S	BIN810	10/29/2024	16.01	17.9	6.7	6.5	410	127
CYIMW103D	AHR176	4/2/2024	20.97	17.0	7.0	4.7	356	137
CYIMW103S	BIN809	4/2/2024	20.30	16.4	6.7	6.8	395	157
		10/29/2024	16.62	18.1	6.7	6.9	405	126
CYIMW106S	BIN806	10/29/2024	18.15	17.6	6.7	6.9	382	124
CYIMW107S	BIN805	4/3/2024	23.57	16.2	6.7	7.2	325	152
		10/29/2024	19.92	16.6	6.7	7.2	340	122
CYIMW108S	BIN807	10/28/2024	17.99	16.7	6.9	7.1	298	128
CYIMW111S	—	10/29/2024	16.29	16.7	6.7	7.1	364	124
CYIMW112S	BIN811	10/30/2024	15.55	16.7	6.6	6.4	413	134
CYIMW113D	BIN813	4/3/2024	19.87	15.8	7.0	5.2	328	132
CYIMW113S	BIN814	4/3/2024	18.29	15.5	6.6	5.7	372	161
RI-3S	AEB112	4/1/2024	39.62	16.3	7.0	6.5	389	181
RI-4D	AEB125	4/2/2024	14.72	16.5	8.0	7.3	327	115
RI-4S	AEB126	4/2/2024	15.56	17.0	7.4	5.5	748	117

Well ID	Well Tag ID	Sample Date	Depth to Groundwater (feet below measuring point)	Temp (°C)	pH (units)	Dissolved Oxygen (mg/L)	Conductivity (µmhos/cm)	ORP (mV)
RI-5D	AEB113	4/2/2024	23.82	15.4	7.5	6.2	537	116
RI-5S	AEB114	4/2/2024	19.90	16.0	6.9	7.4	467	141
RI-6S	AEB122	10/30/2024	7.58	14.8	7.2	6.6	747	119
RI-9S	AEB116	10/29/2024	5.04	15.7	6.8	3.5	308	107
RI-10S	AEB128	4/2/2024	9.92	14.8	6.6	7.1	373	149
RI-11S	AEB130	10/29/2024	12.45	19.2	6.5	6.5	336	134
FWMW-4	—	4/3/2024	22.08	16.6	6.7	8.1	219	122
		10/30/2024	19.04	16.5	6.7	7.5	524	127
FWMW-5	—	4/2/2024	23.24	17.2	6.7	6.4	260	147
		10/28/2024	19.75	18.8	6.8	8.0	283	121
FWMW-6	AKN055	4/2/2024	22.58	16.9	6.8	9.1	159	138
FWMW-6	AKN055	10/29/2024	19.79	17.1	6.8	7.8	255	127
FWMW-10	AKN059	4/3/2024	22.16	16.2	7.1	2.2	308	122
		10/31/2024	19.14	15.8	7.2	0.2	296	88
FWMW-16	BHH289	4/3/2024	25.75	17.2	7.2	0.3	372	-7
		10/30/2024	20.97	16.0	7.2	0.4	348	68
FWMW-17	BHH290	4/1/2024	31.85	18.1	7.8	3.4	250	128
		10/28/2024	26.95	16.2	7.8	3.9	247	119
FWMW-18	BHH291	4/1/2024	27.51	16.5	7.8	4.4	253	173
		10/28/2024	23.54	16.1	7.9	13.1	252	92
FWMW-19	BHH292	4/1/2024	26.32	16.9	7.8	4.4	249	160
		10/28/2024	23.28	16.1	7.8	4.4	251	96
FWMW-20	BHH293	4/3/2024	21.62	16.3	7.0	0.5	404	122
		10/31/2024	18.51	16.3	7.1	0.2	353	99
FWMW-24	BHH297	4/3/2024	19.92	16.7	6.6	6.4	352	135
		10/31/2024	18.23	16.4	6.7	6.9	314	113

°C: Degrees Celsius; mg/L: Milligrams per liter; mV: Millivolts; ORP: Oxidation — Reduction Potential; µmhos/cm: Micromhos per centimeter

# Appendix B.

## Quality Assurance Review

### Data Quality Assessment: 2024 Data

To ensure collection of high-quality data, the project wells were sampled following standard procedures as specified in the Quality Assurance Project Plan (QAPP; Marti 2013) and Ecology’s SOP EAP078 (Ecology 2024). Groundwater samples were collected with a stainless-steel bladder pump using dedicated Teflon-lined tubing using industry standard low-flow sampling techniques. Samples were collected into hydrochloric acid (HCL) preserved 40-mL glass vials supplied by the Manchester Environmental Laboratory (MEL) in Port Orchard, Washington. Following collection, the samples were labeled and stored in clean, ice-filled coolers and transported to the laboratory using standard chain-of-custody procedures.

For assessment of chlorinated volatile organic compounds (cVOCs) in the Yakima Railroad Area (YRRA) project area, samples were analyzed for VOCs using a modification of EPA SW-846 Method 8260C.

Quality control samples collected per the QAPP consisted of field duplicates, equipment blanks, and transport blanks.

During 2024, field duplicates were collected from wells CYIMW103S, FWMW-10, FWMW-20, GMW-2, RI-6S, RI-10S, and SGMW-2. PCE concentrations in these wells historically span the concentration range in the YRRA, and as such represent suitable locations for duplicate samples.

Measurement quality objectives (MQO) for duplicate samples and other analytical performance criteria can be found in the QAPP (Marti 2013), which is summarized in Table 3.

**Table 3. Laboratory measurement quality objectives.**

Parameter	LCS % Recovery Limits	Laboratory Replicates (RPD)	Matrix Spikes % Recoveries	Matrix Spikes Duplicates (RPD)	Required Reporting Limit <sup>1</sup>
cVOCs	30–174%	30%	30–174%	30%	1–5 µg/L

cVOCs: chlorinated volatile organic compounds

LCS: Laboratory Control Sample

RPD: Relative Percent Difference

<sup>1</sup> RL may vary depending on dilutions, matrix interference, etc.

Laboratory analytical data from the 2024 sampling events indicate that all replicate samples met the 30% relative percent difference (RPD) quality criteria for all analytes.

During April 2024, tetrachloroethene (PCE) was detected in both equipment blank samples at an estimated 0.42J µg/L and 1.01 µg/L, respectively. The equipment blanks were collected on 4/3/2024, prior to and following sample collection from the Frank Wear wells with the highest PCE concentrations (FWMW-10, FWMW-20). Analytical results from the equipment blank

collected earlier on 4/3/2024 indicate that contamination may have occurred prior to sampling the high concentration wells at Frank Wear; therefore, all samples with concentrations less than 5 times the blank sample concentrations are qualified with a “B” flag due to the equipment blank contamination. The transport blank collected on 4/1/2024 reported a tentatively estimated PCE concentration of 0.42NJ µg/L, and as a result all samples with concentrations less than 5 times the detected blank concentration are qualified with a “B” flag.

During October 2024, PCE was detected in both equipment blank samples at an estimated 0.16J µg/L and 0.55J µg/L, respectively. The equipment blanks were collected on 10/31/2024, prior to and following sample collection from the Frank Wear wells with the highest PCE concentrations (FWMW-10, FWMW-20). Analytical results from the equipment blank collected earlier on 10/31/2024 indicate that contamination may have occurred prior to sampling the high concentration wells at Frank Wear; therefore, all samples with concentrations less than 5 times the detected blank sample concentrations are qualified with a “B” flag due to the equipment blank contamination. The transport blanks collected on 10/28/2024 and 10/31/2024 reported estimated PCE concentrations of 0.18J µg/L and 0.19J µg/L, respectively, and as a result all samples with concentrations less than 5 times the detected blank concentration are qualified with a “B” flag.

MEL follows strict quality assurance (QA) procedures to both ensure and later evaluate the quality of their analytical results (Ecology 2016). A review of the data quality control and QA from all laboratory case narratives indicates that overall analytical performance was good.

Table 4 lists the data quality codes MEL and Onsite assigned to the 2024 analytical results, as well as the reasons for qualification and associated analytes.

**Table 4. Analytical Data Qualification**

Month & Year	Qualification Criteria <sup>1,2,3</sup>	Analyte	Affected Results
Spring 2024	Qualitative criteria exceeded QC limits <sup>1</sup>	TCE	FWMW-18, GMW-4
		DCE	CYIMW107S, CYIMW103D, CYIMW113D, FWMW-6
	MRL raised due to background <sup>2</sup>	PCE	FWMW-18, GMW-4, FWMW-6
	Surrogate recovery exceeded QC limits <sup>3</sup>	PCE	GMW-2, CYIMW107S, CYIMW103D, CYIMW103S, CYIMW103S, CYIMW113D, CYIMW113S
	LCS recovery exceeded QC limits <sup>3</sup>	PCE	RI-5S, FWMW-4
Fall 2024	CCV exceeded QC limits <sup>3</sup>	TCE	FWMW-10, FWMW-20
	Qualitative criteria exceeded QC limits <sup>1</sup>	DCE	CYIMW103, FWMW-4

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene

CCV: Continuing calibration verification

LCS: Laboratory control spike

MRL: Method reporting limit

QC: Quality control

<sup>1</sup> Results identified are qualified "NJ", indicating the analyte was tentatively identified, and the reported value represents its approximate concentration.

<sup>2</sup> Results identified are qualified "U", indicating the analyte was not detected at or above the reported result.

<sup>3</sup> Results identified are qualified "J", indicating the reported result is an estimate.

The 2024 results are useable as qualified. Laboratory case narratives and reporting sheets are available upon request.

All field measurements and analytical result data are available in electronic format from Ecology's EIM data management system: [www.ecology.wa.gov/eim/index.htm](http://www.ecology.wa.gov/eim/index.htm). Search Study ID: YRRA.

**Table 5. Summary of field replicate data quality for the Yakima Railroad Area study, 2024.**

Well	Date	Analyte	Primary Concentration	Duplicate Concentration	RPD or Absolute Difference <sup>1</sup>	Method Reporting Limit
GMW-2	4/3/2024	PCE	<b>19.8</b>	<b>19.7 J</b>	0.5%	0.13
		TCE	<b>0.33 J</b>	<b>0.33 J</b>	0	0.07
		DCE	1 U	1 U	—	0.11
		VC	0.2 U	0.2 U	—	0.04
RI-10S	4/2/2024	PCE	<b>2.01</b>	<b>2.19</b>	8.6%	0.13
		TCE	1 U	0.39 U	—	0.07
		DCE	1 U	1 U	—	0.11
		VC	0.2 U	0.2 U	—	0.04
CYIMW103S	4/2/2024	PCE	<b>10.8 J</b>	<b>10.9 J</b>	0.9%	0.13
		TCE	<b>0.99 J</b>	<b>0.99 J</b>	—	0.07
		DCE	<b>0.54 J</b>	<b>0.53 J</b>	0.01	0.11
		VC	0.2 U	0.2 U	—	0.04
FWMW-10	4/3/2024	PCE	<b>10600</b>	<b>12400</b>	15.7%	65
		TCE	<b>165</b>	<b>162</b>	1.8%	0.69
		DCE	<b>66.3</b>	<b>68.1</b>	2.7%	1.1
		VC	<b>32.1</b>	<b>31.4</b>	2.2%	0.04
SGMW-2	10/29/2024	PCE	<b>1.38</b>	<b>1.3</b>	6.0%	0.13
		TCE	1 U	1 U	—	0.07
		DCE	1 U	1 U	—	0.11
		VC	0.2 U	0.2 U	—	0.04
RI-6S	10/30/2024	PCE	<b>8.98</b>	<b>8.13</b>	9.9%	0.13
		TCE	1 U	1 U	—	0.07
		DCE	1 U	1 U	—	0.11
		VC	0.2 U	0.2 U	—	0.04
FWMW-20	10/31/2024	PCE	<b>17000</b>	<b>16200</b>	4.8%	65
		TCE	<b>396 J</b>	<b>401 J</b>	1.3%	1.38
		DCE	<b>191</b>	<b>190</b>	0.5%	2.2
		VC	<b>31.4</b>	<b>35.1</b>	11.1%	0.04
FWMW-10	10/31/2024	PCE	<b>4260</b>	<b>3840</b>	10.4%	65
		TCE	<b>85 J</b>	<b>87.3 J</b>	2.7%	1.38
		DCE	<b>31.8</b>	<b>33.3</b>	4.6%	0.11
		VC	<b>13.2</b>	<b>13.1</b>	0.8%	0.04

<sup>1</sup>RPD limits are applicable if concentrations are greater than 5 times the method reporting limit (MRL).

For results less than 5 times the MRL, the absolute difference between the sample and replicate must be less than the MRL. Tabulated MRLs are typical of analyses performed at MEL.

MRLs may vary depending on dilutions performed by the laboratory during analysis.

**Bold:** Analyte was detected. **Shaded** cells indicate absolute difference values.

**J:** Indicates that the reported result is an estimate.

**U:** Indicates that the analyte was not detected at or above the reported result

**DCE:** Dichloroethene, **PCE:** Tetrachloroethene, **TCE:** Trichloroethene, **VC:** Vinyl chloride.

**Table 6. Summary of field and transport blank sample results, 2024.**

Blank Type	Date	PCE	TCE	Cis-1, 2-DCE	VC
Equipment Blank	4/3/2024	<b>0.42 J</b>	1 U	1 U	0.2 U
Equipment Blank	4/3/2024	<b>1.01</b>	1 U	1 U	0.2 U
Transport Blank	4/1/2024	<b>0.42 NJ</b>	1 U	1 U	0.2 U
Transport Blank	4/3/2024	1 U	1 U	1 U	0.2 U
Equipment Blank	10/31/2024	<b>0.16 J</b>	1 U	1 U	0.2 U
Equipment Blank	10/31/2024	<b>0.55 J</b>	1 U	1 U	0.2 U
Transport Blank	10/28/2024	<b>0.18 J</b>	1 U	1 U	0.2 U
Transport Blank	10/31/2024	<b>0.19 J</b>	1 UJ	1 UJ	0.2 UJ

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

J: Indicates that the reported result is an estimate.

U: Indicates that the analyte was not detected at or above the reported result.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

**Bold:** Analyte was detected.

# Appendix C.

## Project Results, December 1997 – October 2024

### 1. Goodwill — City of Yakima

Table 7. Summary of Analytical Results (µg/L) for GMW-1, December 1997 to October 2024.

Date	PCE	TCE	Cis-DCE	VC
12/1997	1.4	0.18	2 U	2 U
3/1998	0.92 J	1 U	1 U	1 U
6/1998	1.6	1 U	1 U	1 UJ
8/1998	0.56 J	0.34 J	1 U	1 UJ
6/1999	3.43	0.15 U	0.1 U	0.14 U
9/1999	0.25 U	0.15 U	0.1 U	0.14 U
12/1999	0.77 J	0.15 U	0.1 U	0.14 U
3/2000	1	0.15 U	0.1 U	0.14 U
6/2000	—	—	—	—
8/2000	—	—	—	—
12/2000	—	—	—	—
3/2001	3.6	0.15 U	0.1 U	0.14 U
9/2001	4.7	0.2 U	0.2 U	0.2 U
3/2002	3	0.2 U	0.2 U	0.2 U
9/2002	4.3	0.2 U	0.2 U	0.2 U
3/2003	3.3	0.2 U	0.2 U	0.2 U
9/2003	4.6	0.2 U	0.2 U	0.2 U
3/2004	2.4	0.2 U	0.2 U	0.2 U
10/2004	2.6	0.2 U	0.2 U	0.2 U
3/2005	2.8	0.2 U	0.2 U	0.2 U
10/2005	—	—	—	—
12/2005	1.5	0.2 U	0.2 U	0.2 U
4/2006	12	0.2 U	0.2 U	0.2 U
10/2006	1.9	0.2 U	0.2 U	0.2 U
4/2007	11	0.2 U	0.2 U	0.2 U
10/2007	2.4	0.2 U	0.2 U	0.2 U
4/2008	8.7	0.2 U	0.2 U	0.2 U
10/2008	—	—	—	—
4/2009	7.5	1 U	1 U	0.2 U
10/2009	3	1 U	1 U	0.2 U
4/2010	1.1	1 U	1 U	1 U
6/2011	3.4	1 U	1 U	0.2 U
10/2011	1	0.2 U	0.2 U	0.2 U

Date	PCE	TCE	Cis-DCE	VC
4/2012	<b>1.5</b>	0.2 U	0.2 U	0.2 U
10/2012	<b>1.3</b>	0.2 U	0.2 U	0.2 U
5/2013	1 U	1 U	1 U	1 U
10/2013	1 U	1 U	1 U	1 U
4/2014	<b>0.77 J</b>	1 U	1 U	1 U
10/2014	<b>0.54 J</b>	1 U	1 U	0.2 U
4/2015	<b>0.68 J</b>	1 UJ	1 UJ	0.2 UJ
10/2015	—	—	—	—
4/2016	<b>0.2 J</b>	1 U	1 U	0.2 U
10/2016	—	—	—	—
4/2017	<b>0.57 J</b>	1 U	1 U	0.2 U
9/2017	—	—	—	—
5/2018	<b>290</b>	1 UJ	1 UJ	0.2 UJ
10/2018	—	—	—	—
4/2019	1 U	1 U	1 U	0.2 U
10/2019	—	—	—	—
4/2020	—	—	—	—
11/2020	—	—	—	—
4/2021	<b>0.78 J</b>	1 U	1 U	0.2 U
10/2021	—	—	—	—
4/2022	<b>0.85 B</b>	1 U	1 U	5 U
10/2022	—	—	—	—
4/2023	<b>8.8</b>	1 U	1 U	0.2 U
10/2023	—	—	—	—
4/2024	<b>3.52</b>	<b>0.36 J</b>	1 U	0.2 U
10/2024	—	—	—	—
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

E: Reported result is an estimate because it exceeds the calibration range.

B: Sample collected after an equipment blank or transport blank that reported concentrations of analytes.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to October 2005 results from GMW-1)

**Table 8. Summary of Analytical Results (µg/L) for GMW-2, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	9.8	2 U	2 U	2 U
3/1998	12	1 U	1 U	1 U
6/1998	7.7	1 U	1 U	1 UJ
8/1998	8.2 J	0.44 J	1 UJ	1 UJ
6/1999	5.36	0.15 U	0.1 U	0.14 U
9/1999	8.01	0.15 U	0.1 U	0.14 U
12/1999	14.2	0.15 U	0.1 U	0.14 U
3/2000	10.4	0.15 U	0.1 U	0.14 U
6/2000	4.4	0.15 U	0.1 U	0.14 U
8/2000	8.3	0.15 U	0.1 U	0.14 U
12/2000	11	0.15 U	0.1 U	0.14 U
3/2001	14	0.15 U	0.1 U	0.14 U
9/2001	6.8	0.2 U	0.2 U	0.2 U
3/2002	12	0.2 U	0.2 U	0.2 U
9/2002	11	0.2 U	0.2 U	0.2 U
3/2003	10	0.2 U	0.2 U	0.2 U
9/2003	8.4	0.2 U	0.2 U	0.2 U
3/2004	16	0.2 U	0.2 U	0.2 U
10/2004	5	0.2 U	0.2 U	0.2 U
3/2005	18	0.29	0.2 U	0.2 U
10/2005	25	0.2 U	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	1.7	0.2 U	0.2 U	0.2 U
10/2006	11	0.2 U	0.2 U	0.2 U
4/2007	2	0.2 U	0.2 U	0.2 U
10/2007	11	0.2 U	0.2 U	0.2 U
4/2008	11	0.2 U	0.2 U	0.2 U
10/2008	7.5	7.5	1 U	0.2 U
4/2009	1.1	1 U	1 U	0.2 U
10/2009	6.6	1 U	1 U	0.2 U
4/2010	11	1 U	1 U	0.2 U
6/2011	11	1 U	1 U	0.2 U
10/2011	6.9	0.2 U	0.2 U	0.2 U
4/2012	9.4	0.2 U	0.2 U	0.2 U
10/2012	2.6	0.2 U	0.2 U	0.2 U
5/2013	10	1 U	1 U	1 U
10/2013	14	1 U	1 U	1 U
4/2014	11 J	1 U	1 U	1 U
10/2014	2.3	1 U	1 U	0.2 U
4/2015	10 J	1 UJ	1 UJ	0.2 UJ
10/2015	0.98 J	1 U	1 U	0.2 U

Date	PCE	TCE	Cis-DCE	VC
4/2016	6.6	1 U	1 U	0.2 U
10/2016	0.8 J	1 U	1 U	0.2 U
4/2017	12	1 U	1 U	0.2 U
9/2017	5.4	1 U	1 U	1 U
5/2018	12 J	1 U	1 U	0.2 U
10/2018	24 J	1 U	1 U	0.2 U
4/2019	15	1 U	1 U	0.2 U
10/2019	11.8 J	1 U	1 U	0.2 U
4/2020	—	—	—	—
11/2020	4.7	1 U	1 U	0.2 U
4/2021	0.78 J	1 U	1 U	0.2 U
10/2021	5.4	1 U	1 U	0.2 U
4/2022	0.91 B	1 U	1 U	5 U
10/2022	4.6 J	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	14.8 J	1 U	1 U	0.2U
10/2023	13.8	1 U	1 U	0.2 U
4/2024	19.8	0.33 J	1 U	0.2 U
10/2024	9.89	0.08 J	1 U	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

E: Reported result is an estimate because it exceeds the calibration range.

B: Sample collected after an equipment blank or transport blank that reported concentrations of analytes.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to the April 2023 result from GMW-2)

**Table 9. Summary of Analytical Results (µg/L) for GMW-4, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	7	2 U	2 U	2 U
3/1998	1.9	1 U	1 U	1 U
6/1998	7.3	1 U	1 U	1 UJ
8/1998	130 E	0.22 J	0.06 J	1 UJ
6/1999	4.18	0.15 U	0.1 U	0.14 U
9/1999	15.4	0.15 U	0.1 U	0.14 U
12/1999	2.23	0.15 U	0.1 U	0.14 U
3/2000	1.7	0.15 U	0.1 U	0.14 U
6/2000	5.6	0.15 U	0.1 U	0.14 U
8/2000	68	0.39	0.1 U	0.14 U
12/2000	2.5	0.15 U	0.1 U	0.14 U
3/2001	2.2	0.15 U	0.1 U	0.14 U
9/2001	19	0.22	0.2 U	0.2 U
3/2002	1.9	0.2 U	0.2 U	0.2 U
9/2002	8.3	0.2 U	0.2 U	0.2 U
3/2003	2.6	0.2 U	0.2 U	0.2 U
9/2003	6.4	0.2 U	0.2 U	0.2 U
3/2004	2.3	0.2 U	0.2 U	0.2 U
10/2004	3.8	0.2 U	0.2 U	0.2 U
3/2005	2.4	0.2 U	0.2 U	0.2 U
10/2005	11	0.2 U	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	2.1	0.2 U	0.2 U	0.2 U
10/2006	2.1	0.2 U	0.2 U	0.2 U
4/2007	2.1	0.2 U	0.2 U	0.2 U
10/2007	2.2	0.2 U	0.2 U	0.2 U
4/2008	2	0.2 U	0.2 U	0.2 U
10/2008	2.6	1 U	1 U	0.2 U
4/2009	1.7	1 U	1 U	0.2 U
10/2009	1.9	1 U	1 U	0.2 U
4/2010	1.8	1 U	1 U	1 U
6/2011	1.8	1 U	1 U	0.2 U
10/2011	1.2	0.2 U	0.2 U	0.2 U
4/2012	1.4	0.2 U	0.2 U	0.2 U
10/2012	1.3	0.2 U	0.2 U	0.2 U
5/2013	1.5	1 U	1 U	1 U
10/2013	1.1	1 U	1 U	1 U
4/2014	1.9 J	1 U	1 U	1 U
10/2014	1.3	1 U	1 U	0.2 U
4/2015	1.8	1 U	1 U	0.2 U
10/2015	—	—	—	—

Date	PCE	TCE	Cis-DCE	VC
4/2016	1	1 U	1 U	0.2 U
10/2016	—	—	—	—
4/2017	<b>1.6</b>	1 U	1 U	0.2 U
9/2017	—	—	—	—
5/2018	<b>1.6</b>	1 U	1 U	0.2 U
10/2018	—	—	—	—
4/2019	<b>1.9</b>	1 U	1 U	0.2 U
10/2019	—	—	—	—
4/2020	—	—	—	—
11/2020	—	—	—	—
4/2021	1 U	1 U	1 U	0.2 U
10/2021	—	—	—	—
4/2022	<b>0.29 B</b>	1 U	1 U	5 U
10/2022	—	—	—	—
4/2023	<b>0.8J</b>	1 U	1 U	0.2 U
10/2023	—	—	—	—
4/2024	1.91 U	<b>0.32 NJ</b>	1 U	0.2 U
10/2024	—	—	—	—
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

E: Reported result is an estimate because it exceeds the calibration range.

B: Sample collected after an equipment blank or transport blank that reported concentrations of analytes.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled.

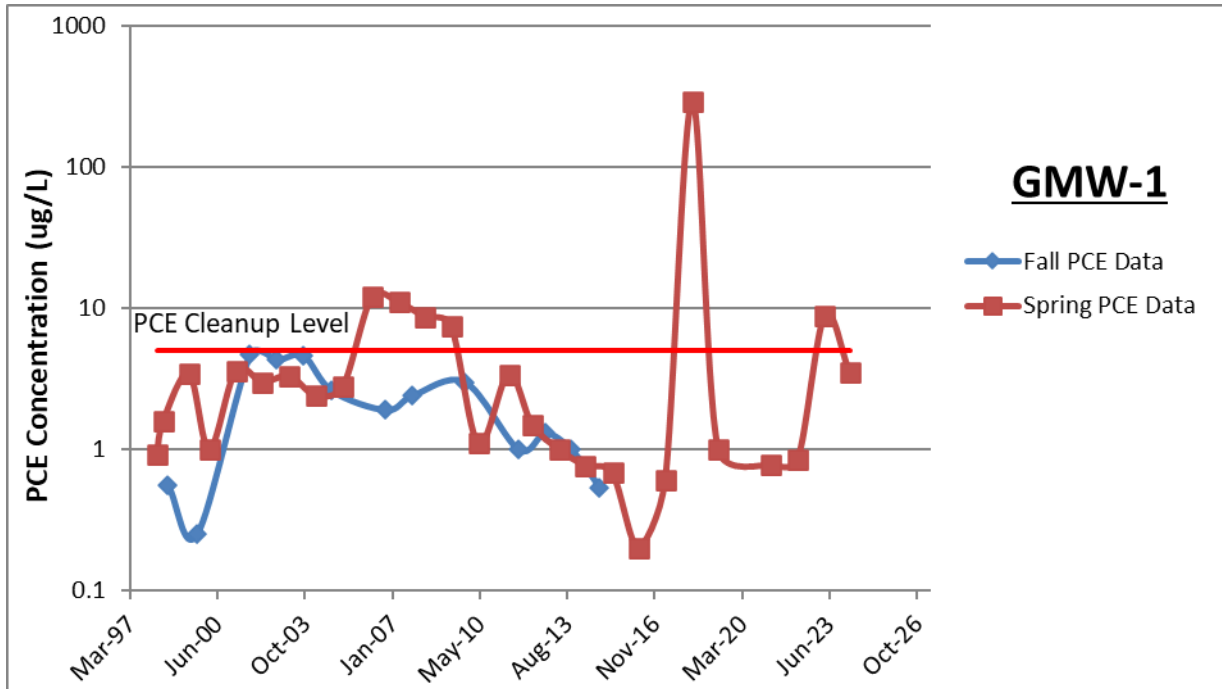


Figure 1. Goodwill-Yakima, Well GMW-1 PCE Results (log scale,  $\mu\text{g/L}$ ), March 1998 to April 2024.

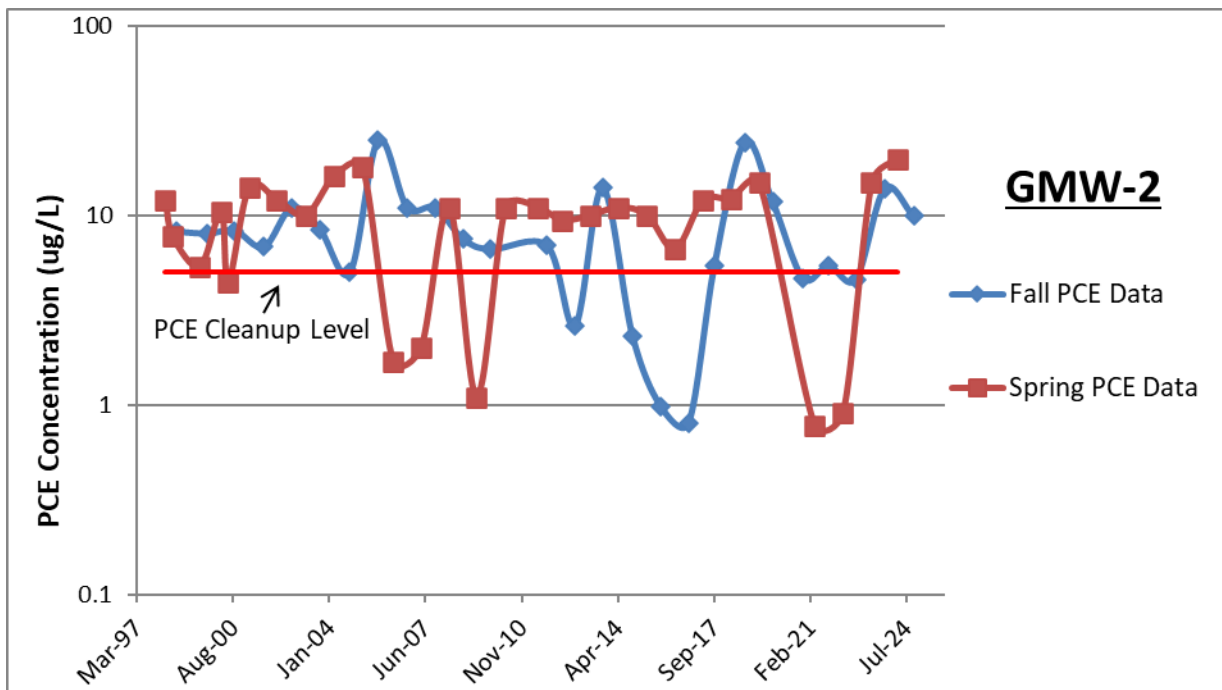


Figure 2. Goodwill-Yakima, Well GMW-2 PCE Results (log scale,  $\mu\text{g/L}$ ), March 1998 to October 2024.

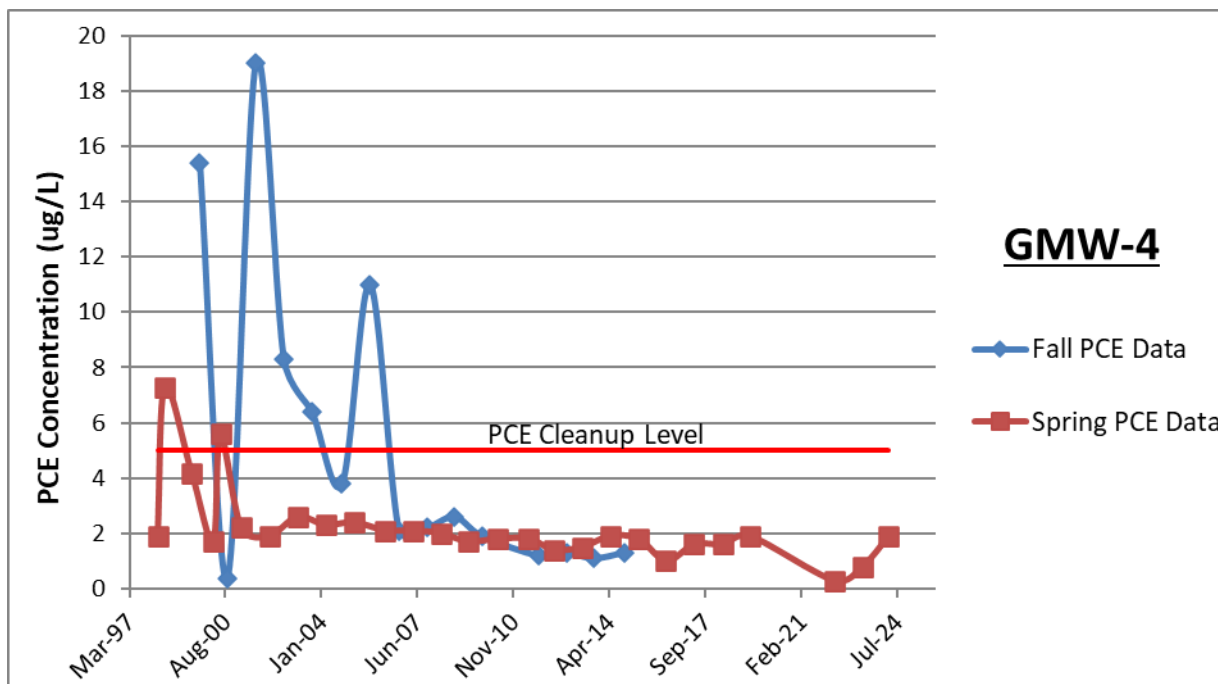


Figure 3. Goodwill-Yakima, Well GMW-4 PCE Results (µg/L), March 1998 to April 2024.

## 2. Nu-Way Cleaners

**Table 10. Summary of Analytical Results ( $\mu\text{g/L}$ ) for NMW-1, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	1.8	2 U	2 U	2 U
3/1998	4.4	1 U	1 U	1 U
6/1998	4.4	1 U	1 U	1 UJ
8/1998	1.7 J	1 U	1 U	1 UJ
6/1999	5.28	0.15 U	0.1 U	0.14 U
9/1999	2.72	0.15 U	0.1 U	0.14 U
12/1999	3.28	0.15 U	0.1 U	0.14 U
3/2000	2.63	0.15 U	0.1 U	0.14 U
6/2000	4.2	0.15 U	0.1 U	0.14 U
8/2000	1.8	0.15 U	0.1 U	0.14 U
12/2000	3.2	0.15 U	0.1 U	0.14 U
3/2001	2.1	0.15 U	0.1 U	0.14 U
9/2001	1.5	0.2 U	0.2 U	0.2 U
3/2002	1.1	0.2 U	0.2 U	0.2 U
9/2002	2	0.2 U	0.2 U	0.2 U
3/2003	4.1	0.2 U	0.2 U	0.2 U
9/2003	2	0.2 U	0.2 U	0.2 U
3/2004	3.3	0.2 U	0.2 U	0.2 U
10/2004	0.99	0.2 U	0.2 U	0.2 U
3/2005	2.1	0.24	0.2 U	0.2 U
10/2005	—	—	—	—
12/2005	2.4	0.2 U	0.2 U	0.2 U
4/2006	3.2	0.2 U	0.2 U	0.2 U
10/2006	0.63	0.2 U	0.2 U	0.2 U
4/2007	0.79	0.2 U	0.2 U	0.2 U
10/2007	1.3	0.2 U	0.2 U	0.2 U
4/2008	0.38	0.2 U	0.2 U	0.2 U
10/2008	0.63	1 U	1 U	0.2 U
4/2009	1.8	1 U	1 U	0.2 U
10/2009	1.7	1 U	1 U	0.2 U
4/2010	2.3	1 U	1 U	0.2 U
6/2011	5.5	1 U	1 U	0.2 U
10/2011	1.1	0.2 U	0.2 U	0.2 U
4/2012	2.1	0.2 U	0.2 U	0.2 U
10/2012	1.6	0.2 U	0.2 U	0.2 U
5/2013	1.6	1 U	1 U	1 U
10/2013	2.3	1 U	1 U	1 U
4/2014	2.3 J	1 U	1 U	1 U
10/2014	2.1	1 U	1 U	0.2 U

Date	PCE	TCE	Cis-DCE	VC
4/2015	<b>2.1 J</b>	1 UJ	1 UJ	0.2 UJ
10/2015	—	—	—	—
4/2016	<b>2.6</b>	1 U	1 U	0.2 U
10/2016	—	—	—	—
4/2017	<b>2.5</b>	<b>0.59 J</b>	1 U	0.2 U
9/2017	—	—	—	—
5/2018	<b>2.1</b>	1 U	1 U	0.2 U
10/2018	—	—	—	—
4/2019	<b>2</b>	1 U	1 U	0.2 U
10/2019	—	—	—	—
4/2020	—	—	—	—
11/2020	—	—	—	—
4/2021	<b>0.65 J</b>	1 U	1 U	0.2 U
10/2021	—	—	—	—
4/2022	<b>1.16</b>	<b>0.49 J</b>	1U	5 UJ
10/2022	—	—	—	—
4/2023	<b>1.69</b>	1 U	1 U	0.2 U
10/2023	—	—	—	—
4/2024	<b>2.46</b>	1 U	1 U	0.2 U
10/2024	—	—	—	—
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to October 2005 results).

**Table 11. Summary of Analytical Results (µg/L) for NMW-2<sup>1</sup>, December 1997 to April 2023.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	2	2 U	2 U	2 U
3/1998	3.4	1 U	1 U	1 U
6/1998	1 U	1 U	1 U	1 UJ
8/1998	1.1 J	1 UJ	1 UJ	1 UJ
6/1999	2.9	0.15 U	0.1 U	0.14 U
9/1999	1.1	0.15 U	0.1 U	0.14 U
12/1999	3.31	0.15 U	0.1 U	0.14 U
3/2000	2.9	0.15 U	0.1 U	0.14 U
6/2000	2.7	0.15 U	0.1 U	0.14 U
8/2000	1.5	0.15 U	0.1 U	0.14 U
12/2000	3.1	0.15 U	0.1 U	0.14 U
3/2001	2.3	0.15 U	0.1 U	0.14 U
9/2001	1.1	0.2 U	0.2 U	0.2 U
3/2002	1.5	0.2 U	0.2 U	0.2 U
9/2002	1.6	0.2 U	0.2 U	0.2 U
3/2003	3.3	0.2 U	0.2 U	0.2 U
9/2003	1.5	0.2 U	0.2 U	0.2 U
3/2004	3.4	0.2 U	0.2 U	0.2 U
10/2004	1.1	0.2 U	0.2 U	0.2 U
3/2005	2.4	0.2 U	0.2 U	0.2 U
10/2005	—	—	—	—
12/2005	1.8	0.2 U	0.2 U	0.2 U
4/2006	0.2 U	0.2 U	0.2 U	0.2 U
10/2006	0.67	0.2 U	0.2 U	0.2 U
4/2007	0.2 U	0.2 U	0.2 U	0.2 U
10/2007	0.66	0.2 U	0.2 U	0.2 U
4/2008	0.2 U	0.2 U	0.2 U	0.2 U
10/2008	0.8 U	1 U	1 U	0.2 U
4/2009	1.9	1 U	1 U	0.2 U
10/2009	1.3	1 U	1 U	0.2 U
4/2010	2.4	1 U	1 U	0.2 U
6/2011	4	1 U	1 U	0.2 U
10/2011	0.93	0.2 U	0.2 U	0.2 U
4/2012	1.5	0.2 U	0.2 U	0.2 U
10/2012	1.2	0.2 U	0.2 U	0.2 U
5/2013	—	—	—	—
10/2013	1.6	1 U	1 U	1 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to October 2005 results).

<sup>1</sup>NMW-2 decommissioned in 2016.

**Table 12. Summary of Analytical Results (µg/L) for NMW-3, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	3	2 U	2 U	2 U
3/1998	3.7	1 U	1 U	1 U
6/1998	3.8	1 U	1 U	1 UJ
8/1998	2.3 J	1 UJ	1 UJ	1 UJ
6/1999	0.25 U	0.15 U	0.1 U	0.14 U
9/1999	3.17	0.15 U	0.1 U	0.14 U
12/1999	5.11	0.15 U	0.1 U	0.14 U
3/2000	5.36	0.15 U	0.1 U	0.14 U
6/2000	3.2	0.15 U	0.1 U	0.14 U
8/2000	2.1	0.15 U	0.1 U	0.14 U
12/2000	5.3	0.15 U	0.1 U	0.14 U
3/2001	3.6	0.15 U	0.1 U	0.14 U
9/2001	1.8	0.2 U	0.2 U	0.2 U
3/2002	2.3	0.2 U	0.2 U	0.2 U
9/2002	1.8	0.2 U	0.2 U	0.2 U
3/2003	5.5	0.2 U	0.2 U	0.2 U
9/2003	2.1	0.2 U	0.2 U	0.2 U
3/2004	3.5	0.2 U	0.2 U	0.2 U
10/2004	1.3	0.2 U	0.2 U	0.2 U
3/2005	3.6	0.2 U	0.2 U	0.2 U
10/2005	—	—	—	—
12/2005	2.2	0.2 U	0.2 U	0.2 U
4/2006	2.2	0.2 U	0.2 U	0.2 U
10/2006	0.9	0.2 U	0.2 U	0.2 U
4/2007	0.47	0.2 U	0.2 U	0.2 U
10/2007	1.3	0.2 U	0.2 U	0.2 U
4/2008	0.24	0.2 U	0.2 U	0.2 U
10/2008	1.7	1 U	1 U	0.2 U
4/2009	1.3	1 U	1 U	0.2 U
10/2009	1.8	1 U	1 U	0.2 U
4/2010	4.8	1 U	1 U	0.2 U
6/2011	3.7	1 U	1 U	0.2 U
10/2011	1.2	0.2 U	0.2 U	0.2 U
4/2012	2.7	0.2 U	0.2 U	0.2 U
10/2012	1.3	0.2 U	0.2 U	0.2 U
9/2017	1.6	1 U	1 U	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to October 2005 results).

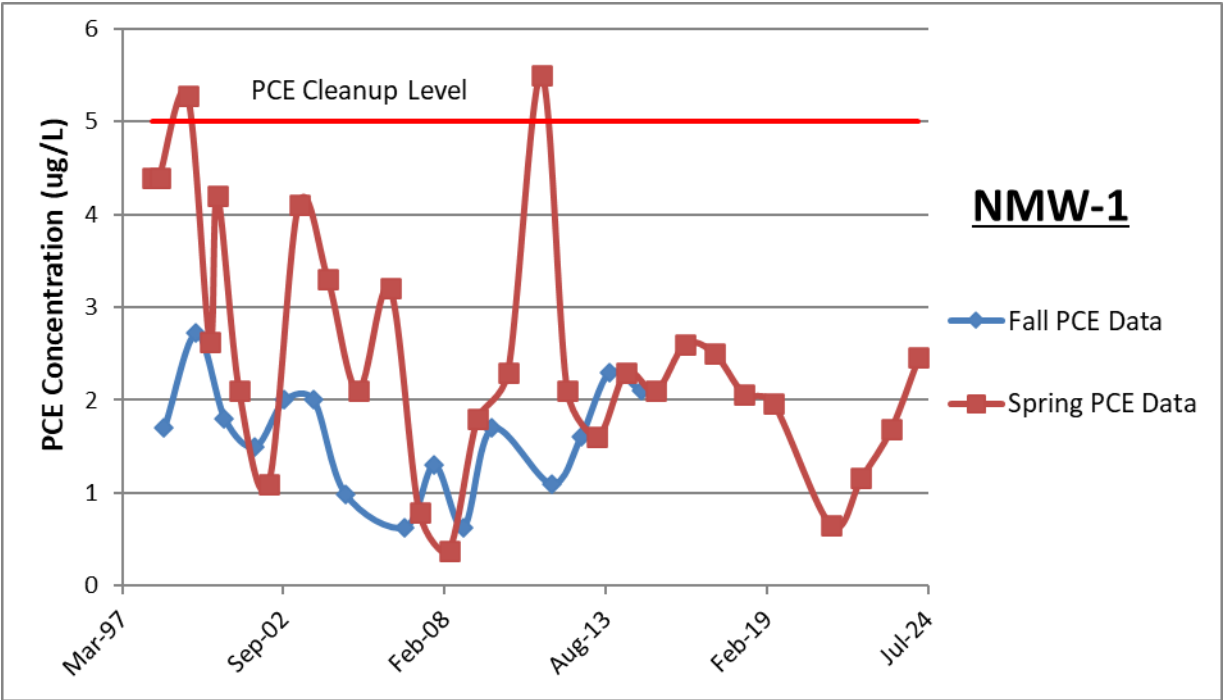


Figure 4. Nu-Way Cleaners, Well NMW-1 PCE Results (µg/L), March 1998 to April 2024.

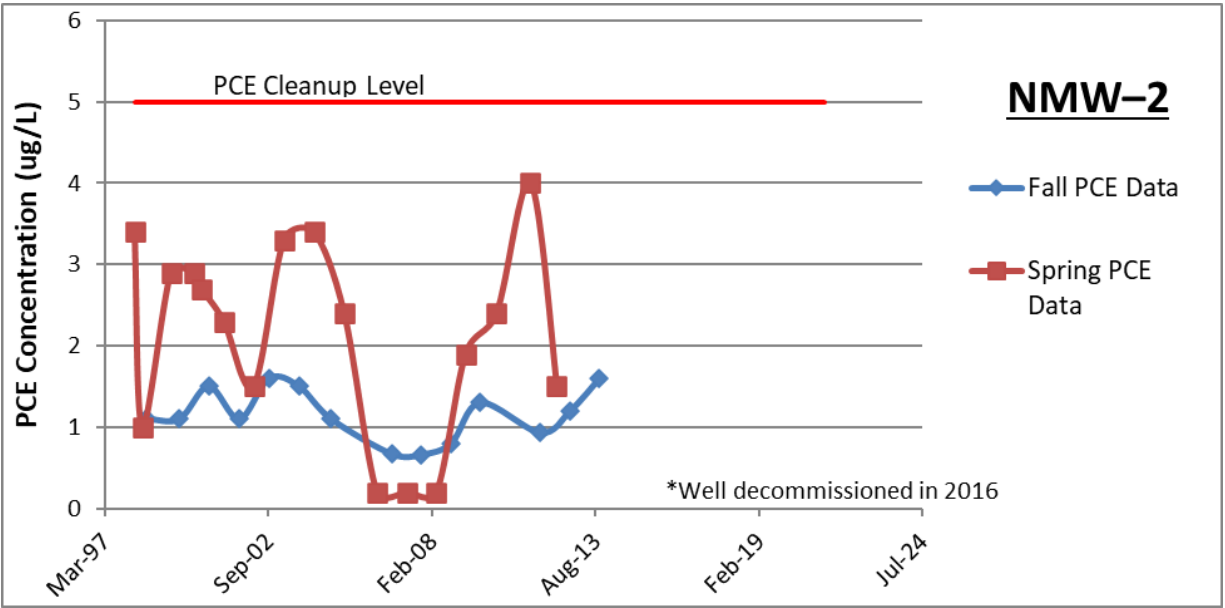


Figure 5. Nu-Way Cleaners, Well NMW-2 PCE Results (µg/L), March 1998 to October 2013.

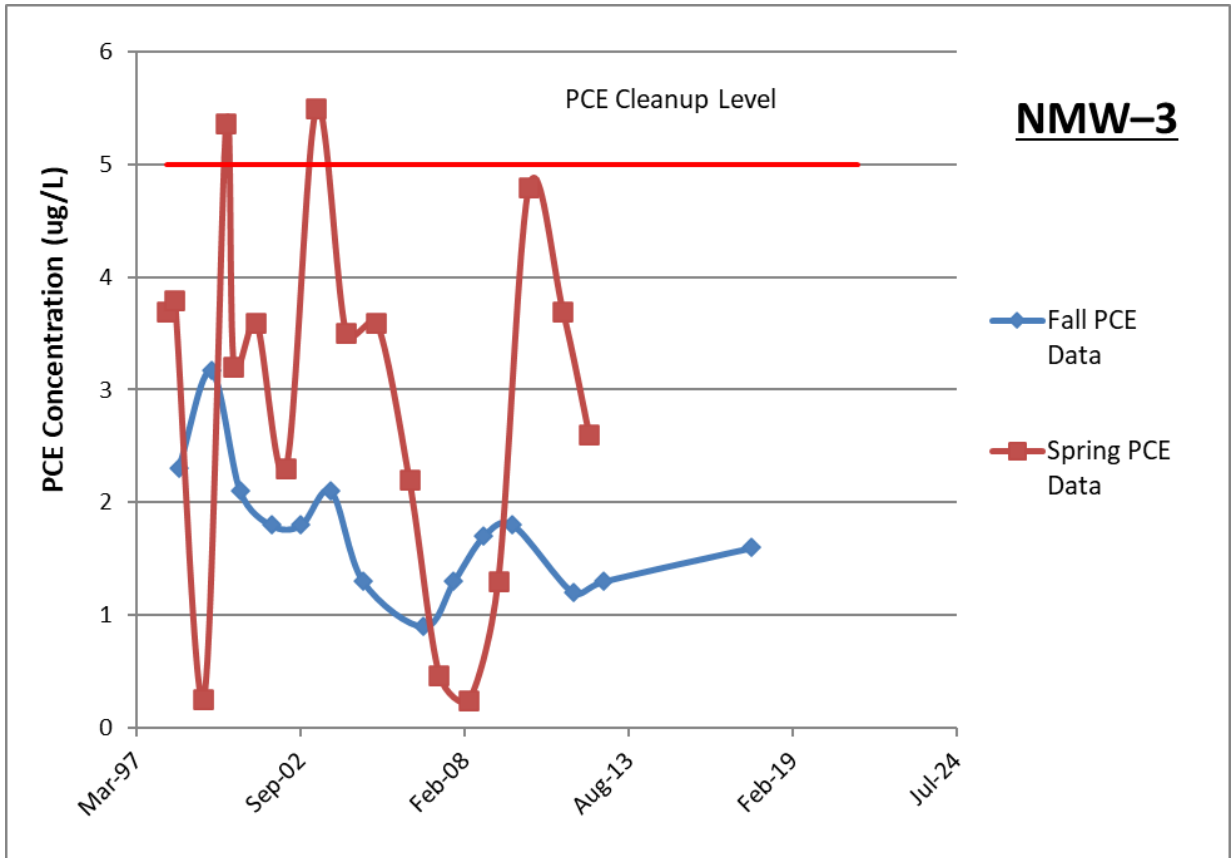


Figure 6. Nu-Way Cleaners, Well NMW-3 PCE Results (µg/L), March 1998 to September 2017.

### 3. Southgate Laundry

**Table 13. Summary of Analytical Results (µg/L) for SGMW-1, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	—	—	—	—
3/1998	—	—	—	—
6/1998	—	—	—	—
8/1998	—	—	—	—
6/1999	<b>2.23</b>	0.15 U	0.1 U	0.14 U
9/1999	0.25 U	0.15 U	0.1 U	0.14 U
12/1999	<b>1.54</b>	0.15 U	0.1 U	0.14 U
3/2000	<b>0.34 J</b>	0.15 U	0.1 U	0.14 U
6/2000	<b>1.2</b>	0.15 U	0.1 U	0.14 U
8/2000	<b>0.37</b>	0.15 U	0.1 U	0.14 U
12/2000	<b>0.82</b>	0.15 U	0.1 U	0.14 U
3/2001	<b>0.87</b>	0.15 U	0.1 U	0.14 U
9/2001	<b>0.34</b>	0.2 U	0.2 U	0.2 U
3/2002	<b>0.29</b>	0.2 U	0.2 U	0.2 U
9/2002	<b>0.38</b>	0.2 U	0.2 U	0.2 U
3/2003	<b>0.38</b>	0.2 U	0.2 U	0.2 U
9/2003	<b>0.51</b>	0.2 U	0.2 U	0.2 U
3/2004	<b>1.6</b>	0.2 U	0.2 U	0.2 U
10/2004	<b>0.34</b>	0.2 U	0.2 U	0.2 U
3/2005	<b>4.8</b>	0.2 U	0.2 U	0.2 U
10/2005	—	—	—	—
12/2005	<b>0.35</b>	0.2 U	0.2 U	0.2 U
4/2006	<b>0.33</b>	0.2 U	0.2 U	0.2 U
10/2006	<b>0.35</b>	0.2 U	0.2 U	0.2 U
4/2007	<b>0.49</b>	0.2 U	0.2 U	0.2 U
10/2007	<b>0.38</b>	0.2 U	0.2 U	0.2 U
4/2008	<b>0.31</b>	0.2 U	0.2 U	0.2 U
10/2008	0.8 U	1 U	1 U	0.2 U
4/2009	1 U	1 U	1 U	0.2 U
10/2009	1 U	1 U	1 U	0.2 U
4/2010	1 U	1 U	1 U	0.2 U
6/2011	1 U	1 U	1 U	0.2 U
10/2011	0.2 U	0.2 U	0.2 U	0.2 U
4/2012	<b>0.23</b>	0.2 U	0.2 U	0.2 U
10/2012	0.2 U	0.2 U	0.2 U	0.2 U
5/2013	1 U	1 U	1 U	1 U
10/2013	1 U	1 U	1 U	1 U
4/2014	<b>0.83 J</b>	1 U	1 U	1 U
10/2014	1 U	1 U	1 U	0.2 U

Date	PCE	TCE	Cis-DCE	VC
4/2015	—	—	—	—
10/2015	<b>0.34 J</b>	1 U	1 U	0.2 U
4/2016	—	—	—	—
10/2016	—	—	—	—
4/2017	—	—	—	—
9/2017	1 U	1 U	1 U	0.2 U
5/2018	—	—	—	—
10/2018	<b>0.65 J</b>	1 U	1 U	0.2 U
4/2019	—	—	—	—
10/2019	1 U	1 U	1 U	0.2 U
4/2020	—	—	—	—
11/2020	<b>0.42 J</b>	1 U	1 UJ	0.2 U
4/2021	—	—	—	—
10/2021	<b>0.71 J</b>	1 U	1 U	0.2 U
4/2022	—	—	—	—
10/2022	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	—	—	—	—
10/2023	<b>0.36</b>	1 U	1 U	0.2
4/2024	—	—	—	—
10/2024	—	—	—	—
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to October 2005 results from SGMW-1).

**Table 14. Summary of Analytical Results (µg/L) for SGMW-2, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	—	—	—	—
3/1998	—	—	—	—
6/1998	—	—	—	—
8/1998	—	—	—	—
6/1999	27.4	0.15 U	0.1 U	0.14 U
9/1999	8.54	0.15 U	0.1 U	0.14 U
12/1999	4.72	0.65 J	0.1 U	0.14 U
3/2000	2.13	0.15 U	0.1 U	0.14 U
6/2000	26	0.15 U	0.1 U	0.14 U
8/2000	7.1	0.15 U	0.1 U	0.14 U
12/2000	5.5	0.15 U	0.1 U	0.14 U
3/2001	2.4	0.15 U	0.1 U	0.14 U
9/2001	8.6	0.2 U	0.2 U	0.2 U
3/2002	2.5	0.2 U	0.2 U	0.2 U
9/2002	11	0.2 U	0.2 U	0.2 U
3/2003	1.5	0.2 U	0.2 U	0.2 U
9/2003	8.1	0.2 U	0.2 U	0.2 U
3/2004	1.6	0.2 U	0.2 U	0.2 U
10/2004	5.2	0.2 U	0.2 U	0.2 U
3/2005	6.4	0.23	0.2 U	0.2 U
10/2005	10	0.2 U	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	0.79	0.2 U	0.2 U	0.2 U
10/2006	2.6	0.2 U	0.2 U	0.2 U
4/2007	0.82	0.2 U	0.2 U	0.2 U
10/2007	2.6	0.2 U	0.2 U	0.2 U
4/2008	0.5	0.2 U	0.2 U	0.2 U
10/2008	2.7	1 U	1 U	0.2 U
4/2009	0.6 J	1 U	1 U	0.2 U
10/2009	2.3	1 U	1 U	0.2 U
4/2010	1 U	1 U	1 U	0.2 U
6/2011	4.5	1 U	1 U	0.2 U
10/2011	2.1	0.2 U	0.2 U	0.2 U
4/2012	0.34	0.2 U	0.2 U	0.2 U
10/2012	2	0.2 U	0.2 U	0.2 U
5/2013	1.5	1 U	1 U	1 U
10/2013	1.9	1 U	1 U	1 U
4/2014	0.89 J	1 U	1 U	1 U
10/2014	1.9	1 U	1 U	0.2 U
4/2015	—	—	—	—
10/2015	1.8	1 U	1 U	0.2 U
4/2016	—	—	—	—

Date	PCE	TCE	Cis-DCE	VC
10/2016	<b>1.7 J</b>	1 U	1 U	0.2 U
4/2017	—	—	—	—
9/2017	<b>1.2</b>	1 U	1 U	1 U
5/2018	—	—	—	—
10/2018	<b>2</b>	1 U	1 U	0.2 U
4/2019	—	—	—	—
10/2019	<b>1.3</b>	1 U	1 U	0.2 U
4/2020	—	—	—	—
11/2020	<b>1.3</b>	1 U	1 U	0.2 U
4/2021	—	—	—	—
10/2021	<b>1.58</b>	1 U	1 U	0.2 U
4/2022	—	—	—	—
10/2022	<b>1.4 J</b>	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	—	—	—	—
10/2023	<b>1.66</b>	1 U	1 U	0.2 U
4/2024	—	—	—	—
10/2024	<b>1.38</b>	1 U	1 U	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled.

**Table 15. Summary of Analytical Results (µg/L) for SGMW-3, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	—	—	—	—
3/1998	—	—	—	—
6/1998	—	—	—	—
8/1998	—	—	—	—
6/1999	21.2	0.15 U	0.1 U	0.14 U
9/1999	6.35	0.15 U	0.1 U	0.14 U
12/1999	4.39	0.37 J	0.1 U	0.14 U
3/2000	10.2	0.15 U	0.1 U	0.14 U
6/2000	29	0.15 U	0.1 U	0.14 U
8/2000	21	0.15 U	0.1 U	0.14 U
12/2000	3.5	0.15 U	0.1 U	0.14 U
3/2001	5.6	0.15 U	0.1 U	0.14 U
9/2001	15	0.2 U	0.2 U	0.2 U
3/2002	4.6	0.2 U	0.2 U	0.2 U
9/2002	16	0.2 U	0.2 U	0.2 U
3/2003	4.7	0.2 U	0.2 U	0.2 U
9/2003	22	0.2 U	0.2 U	0.2 U
3/2004	7.6	0.2 U	0.2 U	0.2 U
10/2004	2.1	0.2 U	0.2 U	0.2 U
3/2005	8.1	0.21	0.2 U	0.2 U
10/2005	4	0.2 U	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	2.4	0.2 U	0.2 U	0.2 U
10/2006	3.8	0.2 U	0.2 U	0.2 U
4/2007	4	0.2 U	0.2 U	0.2 U
10/2007	4.4	0.2 U	0.2 U	0.2 U
4/2008	1.9	0.2 U	0.2 U	0.2 U
10/2008	1.8	1 U	1 U	0.2 U
4/2009	3.2	1 U	1 U	0.2 U
10/2009	1.6	1 U	1 U	0.2 U
4/2010	2.8	1 U	1 U	0.2 U
6/2011	3.4	1 U	1 U	0.2 U
10/2011	1.7	0.2 U	0.2 U	0.2 U
4/2012	1.9	0.2 U	0.2 U	0.2 U
10/2012	—	—	—	—
5/2013	1.7	1 U	1 U	1 U
10/2013	2.4	1 U	1 U	1 U
4/2014	1.9 J	1 U	1 U	1 U
10/2014	1.6	1 U	1 U	0.2 U
4/2015	—	—	—	—
10/2015	—	—	—	—

Date	PCE	TCE	Cis-DCE	VC
4/2016	—	—	—	—
10/2016	<b>1.7 J</b>	1 U	1 U	0.2 U
4/2017	—	—	—	—
9/2017	<b>0.82 J</b>	1 U	1 U	1 U
5/2018	—	—	—	—
10/2018	<b>2.3</b>	1 U	1 U	0.2 U
4/2019	—	—	—	—
10/2019	<b>2.1</b>	1 U	1 U	0.2 U
4/2020	—	—	—	—
11/2020	<b>1.3</b>	1 U	1 UJ	0.2 U
4/2021	—	—	—	—
10/2021	<b>1.68</b>	1 U	1 U	0.2 U
4/2022	—	—	—	—
10/2022	<b>1.2 J</b>	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	—	—	—	—
10/2023	<b>1.6</b>	1 U	1 U	0.2 U
4/2024	—	—	—	—
10/2024	<b>1.79</b>	1 U	1 U	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled.

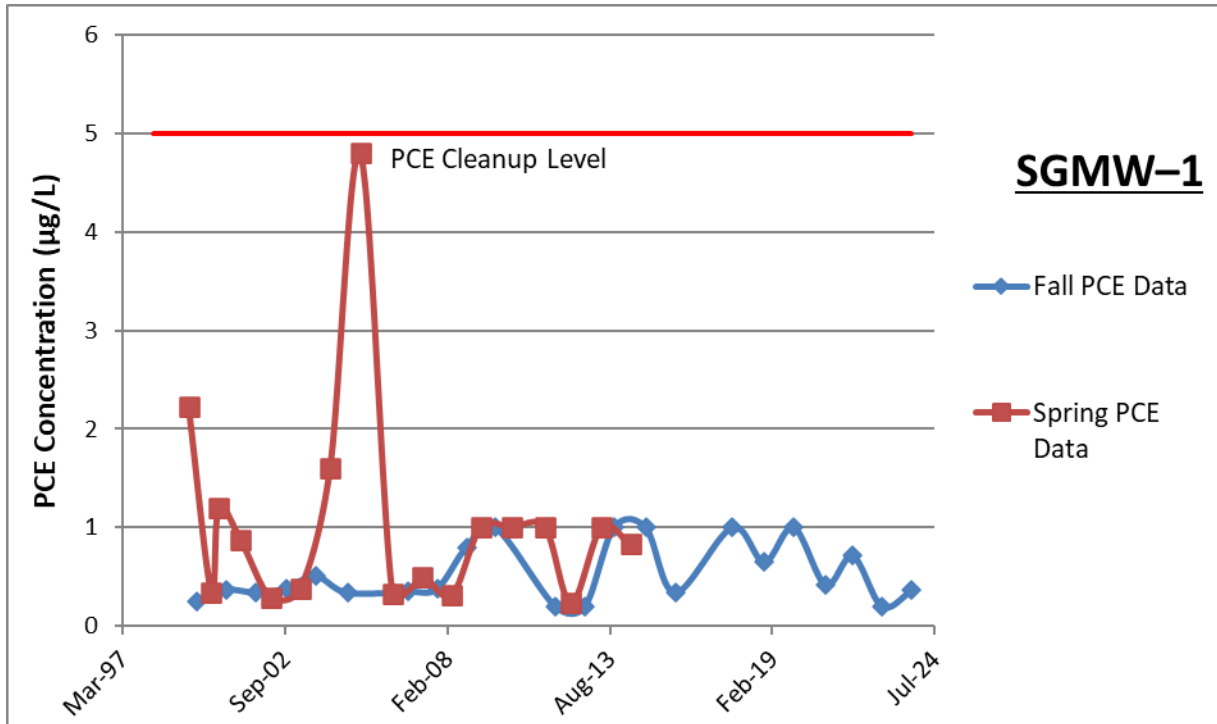


Figure 7. Southgate Laundry, Well SGMW-1 PCE Results (µg/L), June 1999 to October 2023.

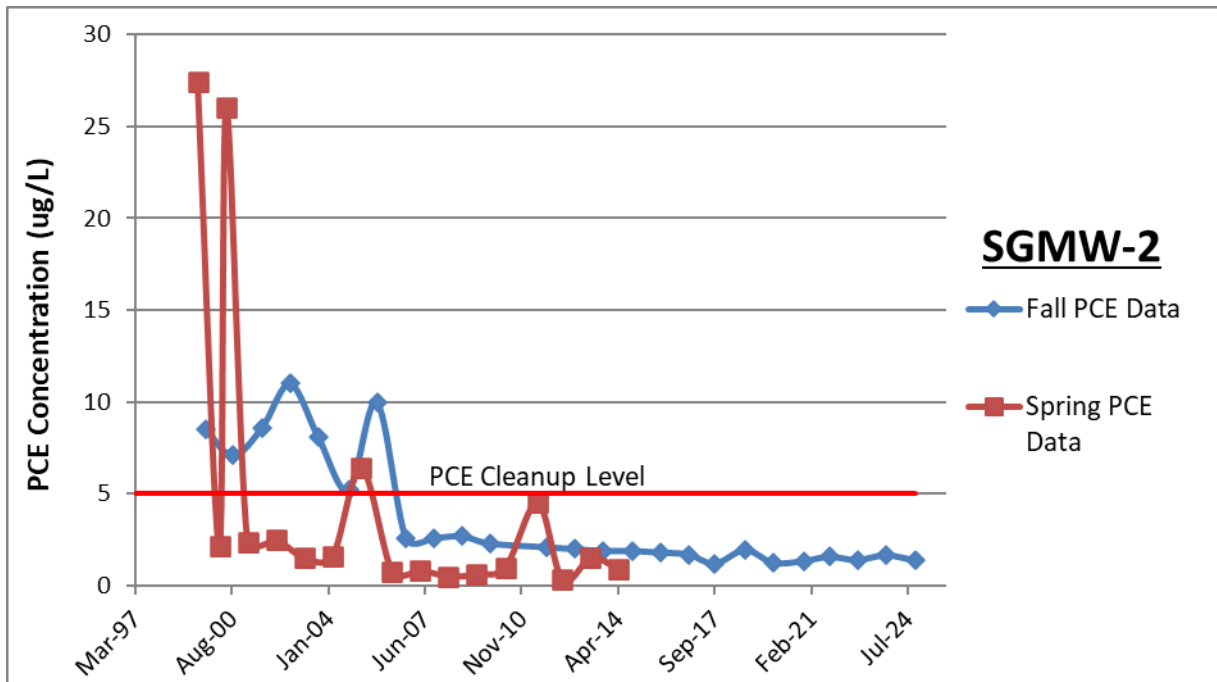


Figure 8. Southgate Laundry, Well SGMW-2 PCE Results (µg/L), June 1999 to October 2024.

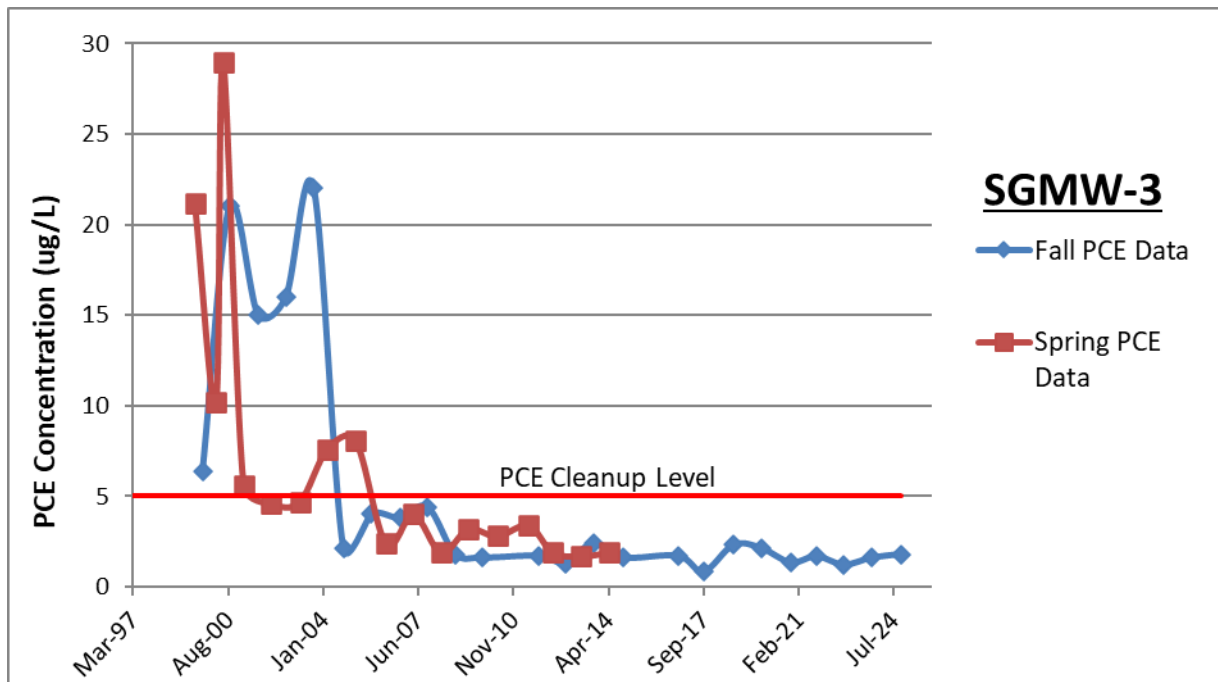


Figure 9. Southgate Laundry, Well SGMW-3 PCE Results ( $\mu\text{g/L}$ ), June 1999 to October 2024.

## 4. Washington Central Railroad Roundhouse (WCRR)

**Table 16. Summary of Analytical Results ( $\mu\text{g/L}$ ) for RMW-3S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	—	—	—	—
3/1998	—	—	—	—
6/1998	—	—	—	—
8/1998	—	—	—	—
6/1999	50.9	ND	ND	ND
9/1999	21.2	ND	ND	ND
12/1999	40.8	ND	ND	ND
3/2000	—	—	—	—
6/2000	90	0.71	ND	ND
8/2000	11	ND	ND	ND
12/2000	—	—	—	—
3/2001	—	—	—	—
9/2001	9.3	< 0.2	< 0.2	< 0.2
3/2002	—	—	—	—
9/2002	8.7	< 0.2	< 0.2	< 0.2
3/2003	—	—	—	—
9/2003	9.1	< 0.2	< 0.2	< 0.2
3/2004	—	—	—	—
10/2004	5.5	< 0.2	< 0.2	< 0.2
3/2005	—	—	—	—
10/2005	13	< 0.2	< 0.2	< 0.2
12/2005	—	—	—	—
4/2006	—	—	—	—
10/2006	4.5	< 0.2	< 0.2	< 0.2
4/2007	—	—	—	—
10/2007	5.5	< 0.2	< 0.2	< 0.2
4/2008	—	—	—	—
10/2008	7.9	1 U	1 U	0.2 U
4/2009	—	—	—	—
10/2009	11	1 U	1 U	0.2 U
4/2010	—	—	—	—
6/2011	—	—	—	—
10/2011	8.8	0.2 U	0.2 U	0.2 U
4/2012	—	—	—	—
10/2012	8.7	0.2 U	0.2 U	0.2 U
5/2013	—	—	—	—
10/2013	19	1 U	1 U	1 U
4/2014	—	—	—	—
10/2014	12	1.8	16	0.2 U

Date	PCE	TCE	Cis-DCE	VC
4/2015	—	—	—	—
10/2015	<b>11</b>	<b>1.1</b>	<b>4.1</b>	<b>0.11 J</b>
4/2016	—	—	—	—
10/2016	<b>10</b>	<b>1.1</b>	<b>1.8</b>	0.2 U
11/2020	<b>20</b>	<b>1.1</b>	<b>1.5</b>	0.2 U
4/2021	—	—	—	—
10/2021	<b>14.1</b>	<b>0.58 J</b>	<b>0.42 J</b>	0.2 U
4/2022	—	—	—	—
10/2022	<b>9.2 J</b>	<b>0.24 J</b>	0.2 UJ	0.2 UJ
4/2023	—	—	—	—
10/2023	<b>15.4</b>	<b>0.47 J</b>	<b>0.66 NJ</b>	0.2 U
4/2024	—	—	—	—
10/2024	<b>14.6</b>	<b>0.74 J</b>	<b>0.51 J</b>	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

REJ: Rejected.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to June 2011 results).

**Table 17. Summary of Analytical Results (µg/L) for RMW-3I, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	11	1.2 J	0.25 J	0.59 J
3/1998	4.1	1.3	0.88 J	2.7
6/1998	20	1.3	1 U	1 UJ
8/1998	18	0.88 J	0.04 J	1 UJ
6/1999	35.1	2.17	ND	0.23 J
9/1999	28.2	0.93 J	ND	ND
12/1999	17.4	2.86	0.91 J	2.03
3/2000	0.61 J	ND	0.68 J	3.24
6/2000	42	1.9	0.27	0.36
8/2000	20	1.1	0.2	0.21
12/2000	—	—	—	—
3/2001	1.2	0.45	0.54	7.5
9/2001	15	1.6	0.33	0.5
3/2002	0.74	0.51	0.35	3
9/2002	15	1.2	0.27	0.26
3/2003	< 0.2	1	0.58	2.2
9/2003	15	1.8	0.34	0.64
3/2004	< 0.2	0.47	0.32	2.8
10/2004	8.8	1.9	0.47	0.99
3/2005	0.32	0.35	0.37	3.5
10/2005	18	1.1	0.36	0.65
12/2005	—	—	—	—
4/2006	0.22	0.46	0.45	4.5
10/2006	9.1	1.3	0.42	0.47
4/2007	0.5	0.74	0.76	4.4
10/2007	11	1.1	0.41	0.41
4/2008	0.61	0.53	0.69	5.7
10/2008	11	1.3	1 U	0.2 U
4/2009	0.13 J	0.69 J	3.1	0.2 U
10/2009	13	2.2	1 U	0.85
4/2010	2.4	1.1	1 U	3.8
6/2011	REJ	REJ	REJ	REJ
10/2011	7.9	4.1	1.8	1.2
4/2012	1.1	1.1	1.3	4.2
10/2012	6.9	5.5	2.1	0.99
5/2013	4.3	3.2	2.6	6.4
10/2013	8.2	4.8	3.5	3.1
4/2014	1.6 J	3	2.5	8.9
10/2014	10	15	48	4.2
4/2015	—	—	—	—
10/2015	5.6	4.5	12	41 J

Date	PCE	TCE	Cis-DCE	VC
4/2016	—	—	—	—
10/2016	<b>12</b>	<b>4.6</b>	<b>6.4</b>	<b>3.7 J</b>
4/2017	—	—	—	—
9/2017	—	—	—	—
5/2018	—	—	—	—
10/2018	—	—	—	—
4/2019	<b>1.2</b>	<b>1.2</b>	<b>3.2</b>	<b>2.7</b>
10/2019	—	—	—	—
4/2020	—	—	—	—
11/2020	<b>14.35</b>	<b>4.95</b>	<b>5.045</b>	<b>4.9 J</b>
4/2021	—	—	—	—
10/2021	<b>13.5</b>	<b>3.35</b>	<b>4.03</b>	<b>2.55</b>
4/2022	—	—	—	—
10/2022	<b>9.3 J</b>	<b>1.5 J</b>	<b>1.8 J</b>	<b>0.78 J</b>
4/2023	—	—	—	—
10/2023	<b>12.1</b>	<b>2.25</b>	<b>2.2 J</b>	<b>1.38 J</b>
4/2024	—	—	—	—
10/2024	<b>19</b>	<b>2.23</b>	<b>1.05</b>	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

REJ: Rejected.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to June 2011 results).

**Table 18. Summary of Analytical Results (µg/L) for RMW-3D, December 1997 to October 2023.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	—	—	—	—
3/1998	—	—	—	—
6/1998	—	—	—	—
8/1998	—	—	—	—
6/1999	16.4	1.76	ND	0.98 J
9/1999	13.3	1.75	ND	1.19
12/1999	15.3	2.23	0.77 J	1.55
3/2000	7.99	1.54	ND	2.03
6/2000	1.6	3.2	0.3	0.62
8/2000	12	2	0.59	1.2
12/2000	—	—	—	—
3/2001	8.1	1.7	0.61	3.6
9/2001	9.4	1.8	0.46	1.1
3/2002	7.3	1.6	0.38	1.4
9/2002	9.4	1.7	0.48	0.74
3/2003	7.8	1.7	0.35	1.1
9/2003	12	1.9	0.32	0.89
3/2004	9.1	1.8	0.4	1
10/2004	7.7	1.9	0.38	1.1
3/2005	11	1.9	0.48	1.1
10/2005	9	1.4	0.39	0.92
12/2005	—	—	—	—
4/2006	5.8	1.8	0.5	1.5
10/2006	7.3	1.6	0.39	0.62
4/2007	6.5	2	0.56	0.87
10/2007	8.5	1.7	0.41	0.59
4/2008	6.3	1.7	0.45	0.92
10/2008	8.8	1.7	1 U	0.2 U
4/2009	9.9	2.9	2.9	0.2 U
10/2009	11	2.3	1 U	0.5
4/2010	8.9	2.5	1 U	1 U
6/2011	REJ	REJ	REJ	REJ
10/2011	9.6	2	0.42	0.2 U
4/2012	7.1	2.1	0.54	0.27
10/2012	9.7	2.1	0.4	0.2 U
5/2013	13	3.4	1	0.49 J
10/2013	15	2.5	0.36 J	1 U
4/2014	11 J	3.5	1	0.46 J
10/2014	15	5	8.7	0.56
4/2015	—	—	—	—
10/2015	13	3.9	7.1	3.9 J

Date	PCE	TCE	Cis-DCE	VC
4/2016	—	—	—	—
10/2016	<b>11</b>	<b>3.8</b>	<b>4.6</b>	<b>0.53</b>
4/2017	—	—	—	—
9/2017	—	—	—	—
5/2018	—	—	—	—
10/2018	—	—	—	—
4/2019	<b>6.1</b>	<b>2.7</b>	<b>2.8</b>	0.2 U
10/2019	—	—	—	—
4/2020	—	—	—	—
11/2020	<b>11.85</b>	<b>3.65</b>	<b>22.85</b>	0.2 U
4/2021	—	—	—	—
10/2021	<b>11.2</b>	<b>3.88</b>	<b>2.16</b>	0.2 U
4/2022	—	—	—	—
10/2022	<b>9.3 J</b>	<b>2.7 J</b>	<b>1.6 J</b>	<b>0.2 UJ</b>
4/2023	—	—	—	—
10/2023	<b>11.6</b>	<b>3.45</b>	<b>1.86 J</b>	<b>0.2 NJ</b>
4/2024	—	—	—	—
10/2024	<b>10.7</b>	<b>3.78</b>	<b>1.4</b>	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

REJ: Rejected.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to June 2011 results).

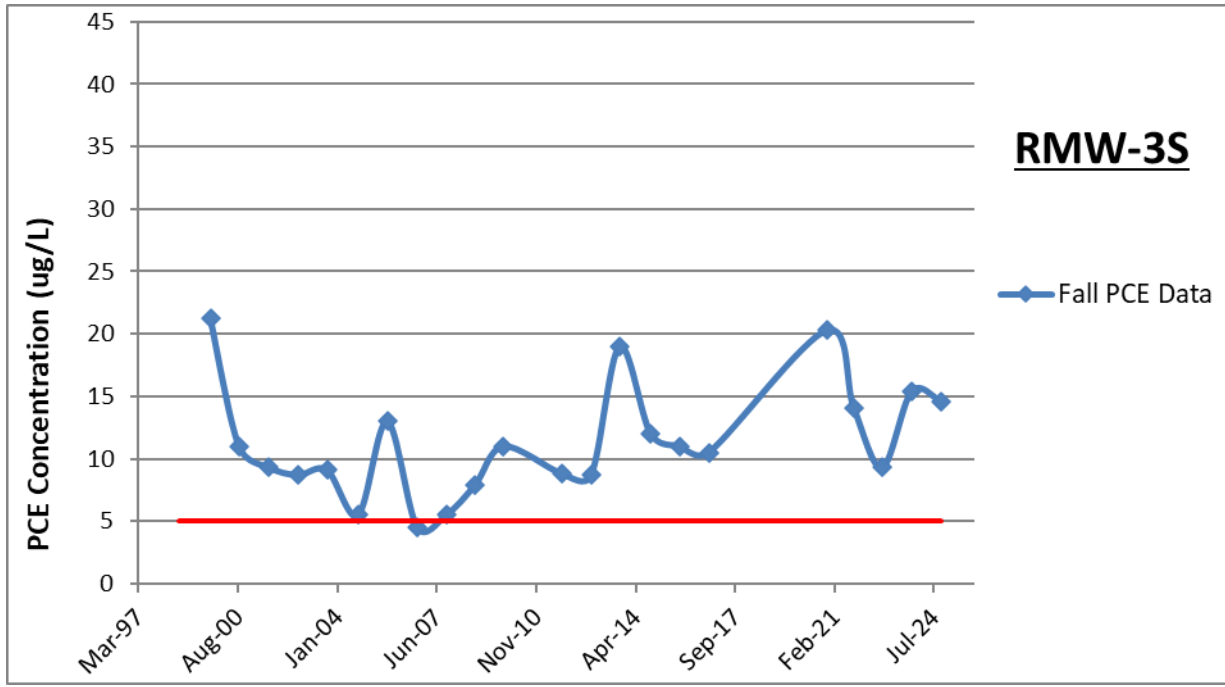


Figure 10. Washington Central Railroad Roundhouse, Well RMW-3S PCE Results ( $\mu\text{g/L}$ ), September 1999 to October 2024.

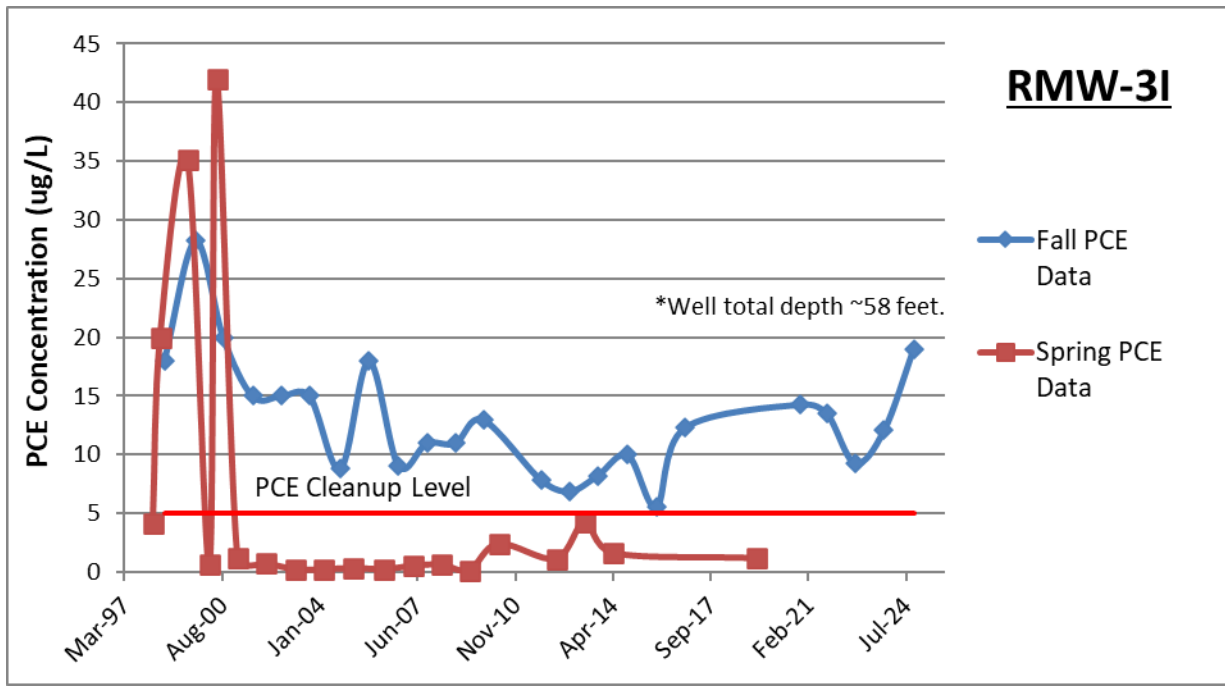


Figure 11. Washington Central Railroad Roundhouse, Well RMW-3I PCE Results ( $\mu\text{g/L}$ ), March 1998 to October 2024.

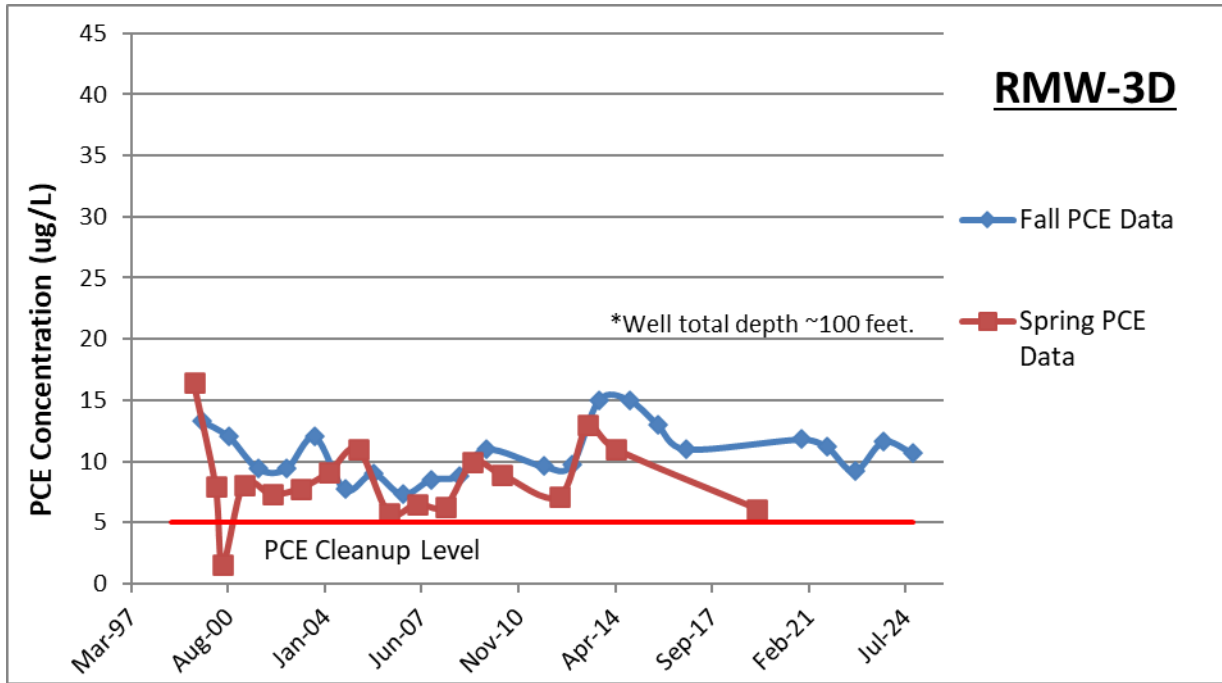


Figure 12. Washington Central Railroad Roundhouse, Well RMW-3D PCE Results ( $\mu\text{g/L}$ ), June 1999 to October 2024.

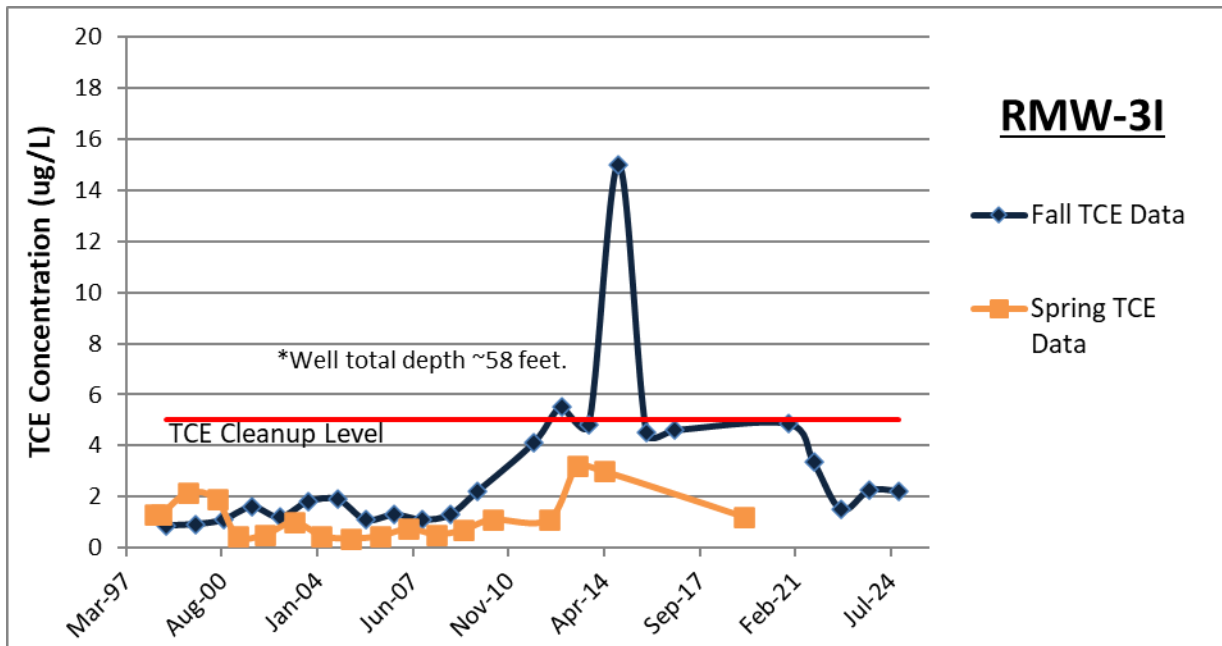


Figure 13. Washington Central Railroad Roundhouse, Well RMW-3I TCE Results ( $\mu\text{g/L}$ ), June 1999 to October 2024.

## 5. Fifth Wheel Truck Repair & Agri-Tech/Yakima Steel

**Table 19. Summary of Analytical Results ( $\mu\text{g/L}$ ) for 5WMW-2<sup>1</sup>, June 1999 to October 2023.**

Date	PCE	TCE	Cis-DCE	VC
6/1999	3.74	ND	ND	ND
9/1999	11.3	ND	ND	ND
12/1999	8.1	0.19 J	ND	ND
3/2000	4.17	ND	ND	ND
6/2000	ND	ND	ND	ND
8/2000	5.3	ND	ND	ND
12/2000	7.7	ND	ND	ND
3/2001	4.3	ND	ND	ND
9/2001	8.1	< 0.2	< 0.2	< 0.2
3/2002	3.2	< 0.2	< 0.2	< 0.2
9/2002	6.8	< 0.2	< 0.2	< 0.2
3/2003	3.5	< 0.2	< 0.2	< 0.2
9/2003	8.8	< 0.2	< 0.2	< 0.2
3/2004	3.1	0.59	< 0.2	< 0.2
10/2004	1.9	< 0.2	< 0.2	< 0.2
3/2005	2.8	< 0.2	< 0.2	< 0.2
10/2005	—	—	—	—
12/2005	3.7	0.59	0.32	< 0.2
4/2006	0.21	0.35	1.2	< 0.2
10/2006	6.6	0.27	< 0.2	< 0.2
4/2007	2	< 0.2	< 0.2	< 0.2
10/2007	7.8	< 0.2	< 0.2	< 0.2
4/2008	1.8	< 0.2	< 0.2	< 0.2
10/2008	6.1	1 U	1 U	0.2 U
4/2009	1.3	1 U	1 U	0.2 U
10/2009	7.5	1 U	1 U	0.2 U
4/2010	1.9	1 U	1 U	0.2 U
6/2011	2.7	1 U	1 U	0.2 U
10/2011	3.8	0.2 U	0.2 U	0.2 U
4/2012	1.1	0.2 U	0.2 U	0.2 U
10/2012	3.5	0.21	0.2 U	0.2 U
5/2013	1.5	1 U	1 U	1 U
10/2013	5.9	1 U	1 U	1 U
4/2014	1.9 J	1 U	1 U	1 U
10/2014	7.6	2	18	0.2 U
4/2015	—	—	—	—

Date	PCE	TCE	Cis-DCE	VC
10/2015	5.5	0.96 J	3.3	0.2 U
4/2016	—	—	—	—
10/2016	7.5 J	0.82 J	1.1	0.2 U
4/2017	—	—	—	—
9/2017	4.2	1 U	0.53 J	1 U
5/2018	—	—	—	—
10/2018	5	1 U	0.54 J	0.2 U
4/2019	—	—	—	—
10/2019	3.9	1 U	1 U	0.2 UJ
4/2020	—	—	—	—
11/2020	2.3	1 U	1 UJ	0.2 U
4/2021	—	—	—	—
10/2021	3.03	1 U	1 U	0.2 U
4/2022	—	—	—	—
10/2022	2.8 J	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	—	—	—	—
10/2023	3.97	0.1 NJ	1 U	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to October 2005 results).

<sup>1</sup>5WMW-2 was decommissioned in 2023 following the issuance of a NFA<sup>2</sup> for the Fifth-Wheel site.

<sup>2</sup>NFA: No Further Action letter.

**Table 20. Summary of Analytical Results (µg/L) for ATMW-4, June 1999 to October 2023.**

Date	PCE	TCE	Cis-DCE	VC
6/1999	2.04	ND	2.15	ND
9/1999	4.07	0.73 J	4.95	ND
12/1999	3.93	0.94 J	4.77	ND
3/2000	3.11	ND	3.32	ND
6/2000	4.3	0.66	2.8	ND
8/2000	3.8	1.1	5.7	ND
12/2000	5.7	1.3	1.4	ND
3/2001	4.1	0.94	1.5	ND
9/2001	4.3	1.3	1.8	< 0.2
3/2002	4	0.94	0.68	< 0.2
9/2002	5.2	1.2	1	< 0.2
3/2003	4.2	0.84	2	< 0.2
9/2003	6.8	1.1	3	< 0.2
3/2004	0.23	< 0.2	0.59	< 0.2
10/2004	5.4	0.69	2.2	< 0.2
3/2005	5	0.71	2.2	< 0.2
10/2005	—	—	—	—
12/2005	6.3	0.66	0.29	< 0.2
4/2006	4.3	0.54	0.68	< 0.2
10/2006	5	0.76	2.6	< 0.2
4/2007	4.1	0.52	1.4	< 0.2
10/2007	6	0.6	1.3	< 0.2
4/2008	3.4	0.48	1.7	< 0.2
10/2008	5.9	1 U	1 U	0.2 U
4/2009	4.8	0.64 J	4.2	0.2 U
10/2009	6.1	1 U	1.4	0.2 U
4/2010	3.9	1 U	1 U	0.2 U
6/2011	5.7	1 U	1	0.2 U
10/2011	4.8	0.39	0.46	0.2 U
4/2012	3.2	0.61	2.3	0.2 U
10/2012	3	0.26	0.87	0.2 U
5/2013	3	0.52 J	3.1	1 U
10/2013	6.5	1 U	0.62 J	1 U
4/2014	2.7 J	0.67 J	3.6	1 U
10/2014	6.3	0.51 J	1.2	0.2 U
4/2015	—	—	—	—
10/2015	6.1	0.59 J	2.6	0.2 U
4/2016	—	—	—	—
10/2016	—	—	—	—
4/2017	—	—	—	—
9/2017	4.2	1 U	1.3	0.2 U

Date	PCE	TCE	Cis-DCE	VC
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to October 2005 results).

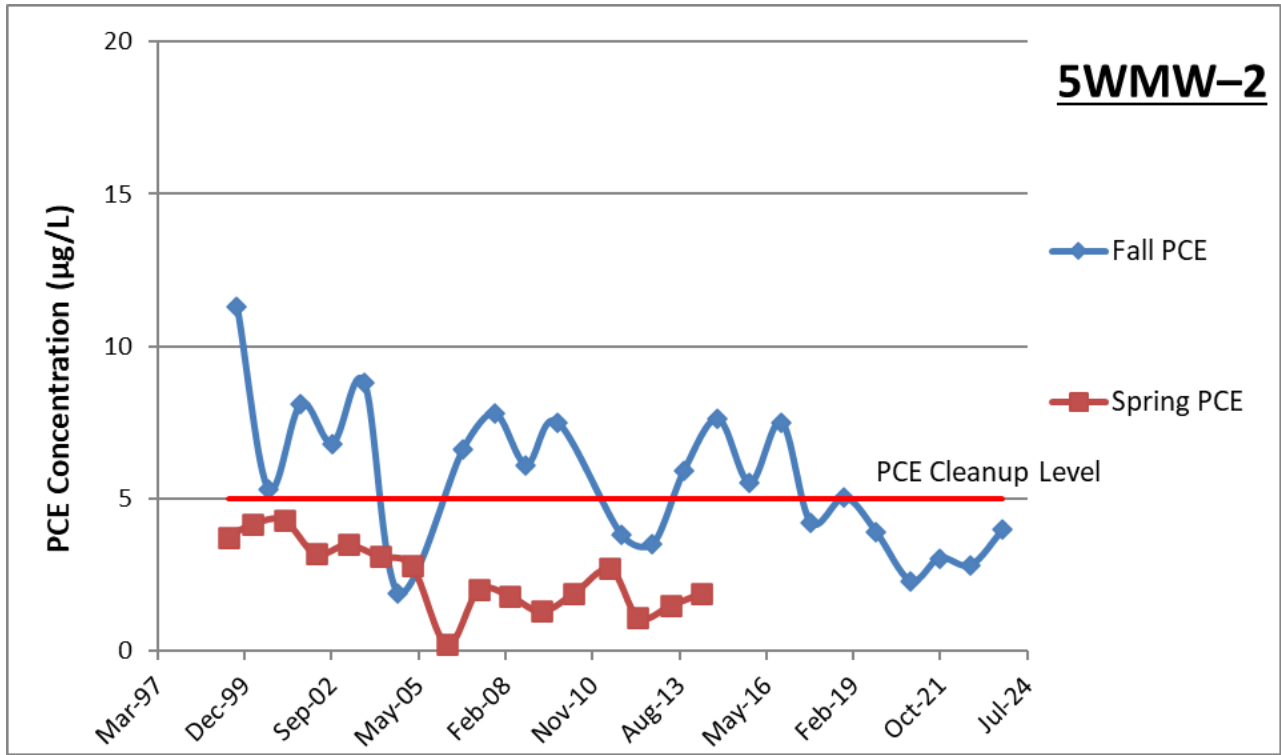


Figure 14. Fifth Wheel Truck Repair, Well 5WMW-2 PCE Results (µg/L), June 1999 to October 2023.

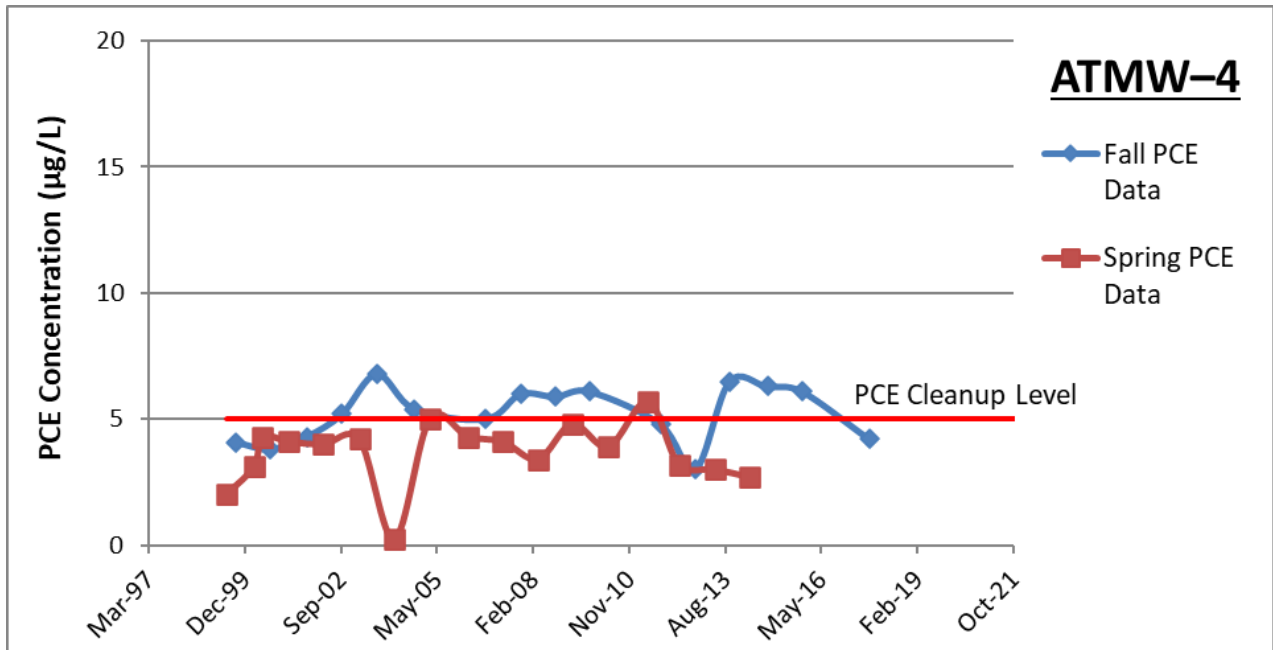


Figure 15. Agri-Tech/Yakima Steel, Well ATMW-4 PCE Results (µg/L), June 1999 to September 2017.

## 6. Cameron Yakima

**Table 21. Summary of Analytical Results (µg/L) for CYIMW102S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	11	0.47 J	2 U	2 U
3/1998	11	0.5 J	0.2 J	1 U
6/1998	11	0.66 J	1.7	1 U
8/1998	70 E	4.9 J	45	2 UJ
6/1999	15.3	0.93 J	3.61	ND
9/1999	71.6	3.4	12.6	ND
12/1999	—	—	—	—
3/2000	—	—	—	—
6/2000	6.3	0.35	ND	ND
8/2000	16	0.55	ND	ND
12/2000	17	0.48	ND	ND
3/2001	12	0.48	ND	ND
9/2001	13	0.49	< 0.2	< 0.2
3/2002	7.9	0.33	< 0.2	< 0.2
9/2002	12	0.41	< 0.2	< 0.2
3/2003	6.8	0.29	< 0.2	< 0.2
9/2003	12	0.42	< 0.2	< 0.2
3/2004	8.6	0.32	< 0.2	< 0.2
10/2004	—	—	—	—
3/2005	11	0.47	< 0.2	< 0.2
10/2005	15	0.29	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	6.6	0.28	< 0.2	< 0.2
10/2006	8.3	0.24	0.2 U	0.2 U
4/2007	5.2	0.22	0.2 U	0.2 U
10/2007	9.3	0.27	0.2 U	0.2 U
4/2008	5.1	< 0.2	< 0.2	< 0.2
10/2008	6.3	1 U	1 U	0.2 U
4/2009	5.8	1 U	1 U	0.2 U
10/2009	11	1 U	1 U	0.2 U
4/2010	8	1 U	1 U	1 U
6/2011	7.7	1 U	1 U	0.2 U
10/2011	8.5	0.22	0.2 U	0.2 U
4/2012	5.8	0.24	0.2 U	0.2 U
10/2012	9.3	0.2 U	0.2 U	0.2 U
5/2013	4.6	1 U	1 U	1 U
10/2013	11	1 U	1 U	1 U
4/2014	5.1 J	0.53 J	1 U	1 U
10/2014	15 J	3.5	26	0.2 U

Date	PCE	TCE	Cis-DCE	VC
4/2015	—	—	—	—
10/2015	<b>10</b>	<b>1.6</b>	<b>6.6</b>	0.2 U
4/2016	—	—	—	—
10/2016	<b>12</b>	<b>1.4</b>	<b>2.3</b>	0.2 U
4/2017	—	—	—	—
9/2017	<b>6.9</b>	<b>0.75 J</b>	<b>1.1</b>	0.2 U
5/2018	—	—	—	—
10/2018	<b>10 J</b>	<b>0.87 J</b>	<b>0.99 J</b>	0.2 U
4/2019	—	—	—	—
10/2019	<b>13.1 J</b>	1 U	<b>0.39 J</b>	0.2 U
4/2020	—	—	—	—
11/2020	<b>7.9</b>	<b>0.45 J</b>	<b>0.83 NJ</b>	0.2 U
4/2021	—	—	—	—
10/2021	<b>9.96</b>	<b>0.92 J</b>	<b>0.61 J</b>	0.2 U
4/2022	—	—	—	—
10/2022	<b>5.2 J</b>	<b>0.23 J</b>	0.2 UJ	0.2 UJ
4/2023	—	—	—	—
10/2023	<b>6.61</b>	<b>0.27 J</b>	<b>0.47 J</b>	0.2 U
4/2024	—	—	—	—
10/2024	<b>6.25</b>	<b>0.34 J</b>	<b>0.29 J</b>	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

**Table 22. Summary of Analytical Results (µg/L) for CYIMW103S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	26	1.2 J	2.6	2 U
3/1998	91 E	3.8	16	1 U
6/1998	64 E	4.1	90 E	1 U
8/1998	118 E	4 J	26 J	1 UJ
6/1999	55.3	3.9	31.3	ND
9/1999	139	4.54	17	ND
12/1999	—	—	—	—
3/2000	—	—	—	—
6/2000	27	ND	2.6	ND
8/2000	6.8	0.27	0.55	ND
12/2000	30	1	1.1	ND
3/2001	57	2.5	4.4	ND
9/2001	33	1.2	0.98	< 0.2
3/2002	31	1.6	1.6	< 0.2
9/2002	21	0.76	0.57	< 0.2
3/2003	26	1.2	0.92	< 0.2
9/2003	16	0.57	< 0.2	< 0.2
3/2004	25	0.8	0.69	< 0.2
10/2004	15	0.35	< 0.2	< 0.2
3/2005	18	0.8	0.71	< 0.2
10/2005	16	0.32	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	13	0.52	0.44	< 0.2
10/2006	9.7	0.26	< 0.2	< 0.2
4/2007	13	0.52	0.47	0.2 U
10/2007	9	0.26	0.2 U	0.2 U
4/2008	10	0.38	0.38	< 0.2
10/2008	5.9	1 U	1 U	0.2 U
4/2009	12	1 U	2.7	0.2 U
10/2009	12	1 U	1 U	0.2 U
4/2010	7.2	1 U	1 U	1 U
6/2011	3.6	1 U	1 U	0.2 U
10/2011	8.3	0.37	0.2 U	0.2 U
4/2012	8.7	0.44	0.23	0.2 U
10/2012	7.9	0.3	0.2 U	0.2 U
5/2013	12	0.63 J	0.63 J	1 U
10/2013	10	1 U	1 U	1 U
4/2014	10 J	0.78 J	0.6 J	1 U
10/2014	12	2.3	15	0.2 U
4/2015	14	1.2	10	0.2 U
10/2015	10	1.4	5.1	0.2 U

Date	PCE	TCE	Cis-DCE	VC
4/2016	12	0.97 J	3.1	0.2 U
10/2016	10	1.2	1.9	0.2 U
4/2017	13	1.5	2	0.2 U
9/2017	7	0.81 J	1.1	0.2 U
5/2018	10	1	1.5	0.2 U
10/2018	9.3 J	0.82 J	0.8 J	0.2 U
4/2019	9.3	0.9 J	0.7 J	0.2 U
10/2019	10.8	1 U	11 U	0.2 U
4/2020	—	—	—	—
11/2020	7.4	0.56 J	0.86 J	0.2 U
4/2021	8.06	0.72 J	0.65 NJ	0.2 U
10/2021	8.99	0.59 J	0.28 J	0.2 U
4/2022	7.45 J	0.99 J	0.2 J	5 UJ
10/2022	6 J	0.38 J	0.2 UJ	0.2 UJ
4/2023	11.4	0.72 J	0.26 J	0.2 U
10/2023	5.84	0.34 J	0.47 J	0.2 U
4/2024	10.9 J	0.99 J	0.54 J	0.2 U
10/2024	6.04	0.37 J	0.34 NJ	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

**Table 23. Summary of Analytical Results (µg/L) for CYIMW103D, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	2.6	2 U	2 U	2 U
3/1998	3.3	1 U	1 U	1 U
6/1998	5	0.11 J	0.23 J	1 U
8/1998	3.9 J	1 UJ	1 UJ	1 UJ
6/1999	5.23	0.25 J	ND	0.23 J
9/1999	4.85	ND	ND	ND
12/1999	—	—	—	—
3/2000	—	—	—	—
6/2000	5.1	ND	ND	ND
8/2000	4.3	ND	ND	ND
12/2000	5	ND	ND	ND
3/2001	4.4	ND	ND	ND
9/2001	4.1	< 0.2	< 0.2	< 0.2
3/2002	3.7	< 0.2	< 0.2	< 0.2
9/2002	—	—	—	—
3/2003	4	< 0.2	< 0.2	< 0.2
9/2003	4.4	< 0.2	< 0.2	< 0.2
3/2004	3.7	0.2	< 0.2	< 0.2
10/2004	3.8	< 0.2	< 0.2	< 0.2
3/2005	3.8	< 0.2	< 0.2	< 0.2
10/2005	4	0.2 U	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	3.3	< 0.2	< 0.2	< 0.2
10/2006	3	0.2 U	0.2 U	0.2 U
4/2007	3.5	0.2 U	0.2 U	0.2 U
10/2007	3	0.2 U	0.2 U	0.2 U
4/2008	2.3	< 0.2	< 0.2	< 0.2
10/2008	2.7	1 U	1 U	0.2 U
4/2009	3.1	1 U	1 U	0.2 U
10/2009	3	1 U	1 U	0.2 U
4/2010	2.5	1 U	1 U	1 U
6/2011	4.8	1 U	1 U	0.2 U
10/2011	2.3	0.2 U	0.2 U	0.2 U
4/2012	1.9	0.2 U	0.2 U	0.2 U
10/2012	2.6	0.2 U	0.2 U	0.2 U
5/2013	3.1	1 U	1 U	1 U
10/2013	2.9	1 U	1 U	1 U
4/2014	3 J	0.36 J	1 U	1 U
10/2014	3.5	1 U	0.91 J	0.2 U
4/2015	3.4 J	1 UJ	0.93 J	0.2 UJ
10/2015	—	—	—	—

Date	PCE	TCE	Cis-DCE	VC
4/2016	<b>2.6</b>	<b>0.13 J</b>	<b>0.31 J</b>	0.2 U
10/2016	—	—	—	—
4/2017	<b>3.7</b>	<b>0.69 J</b>	<b>0.78 NJ</b>	0.2 U
9/2017	—	—	—	—
5/2018	<b>3.2</b>	1 U	<b>0.58 J</b>	0.2 U
10/2018	—	—	—	—
4/2019	<b>2.8</b>	1 U	1 U	0.2 U
10/2019	—	—	—	—
4/2020	—	—	—	—
11/2020	—	—	—	—
4/2021	<b>2.09</b>	1 U	1 U	0.2 U
10/2021	—	—	—	—
4/2022	<b>1.93 J</b>	<b>0.55 J</b>	1 U	5 UJ
10/2022	—	—	—	—
4/2023	<b>2.74</b>	1 U	1 U	0.2 U
10/2023	—	—	—	—
4/2024	<b>3.48 J</b>	<b>0.43 J</b>	<b>0.39 NJ</b>	0.2 U
10/2024	—	—	—	—
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

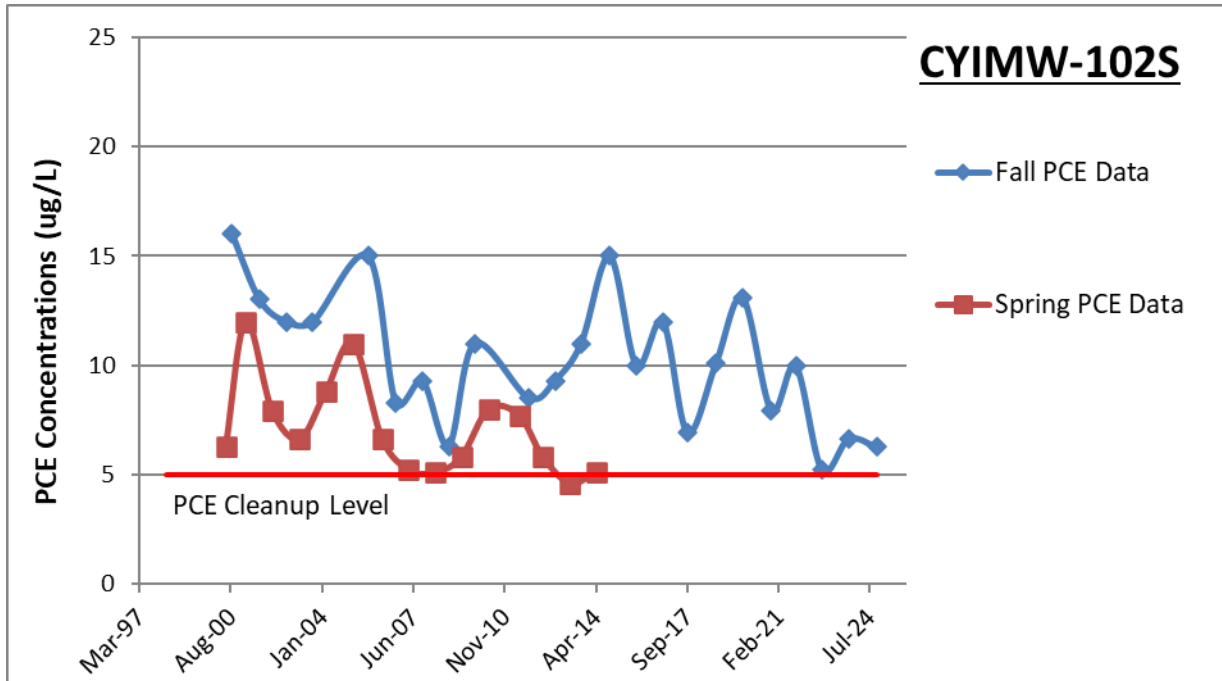


Figure 16. Cameron Yakima, Well CYI MW-102S PCE Results ( $\mu\text{g/L}$ ), June 2000 to October 2024.

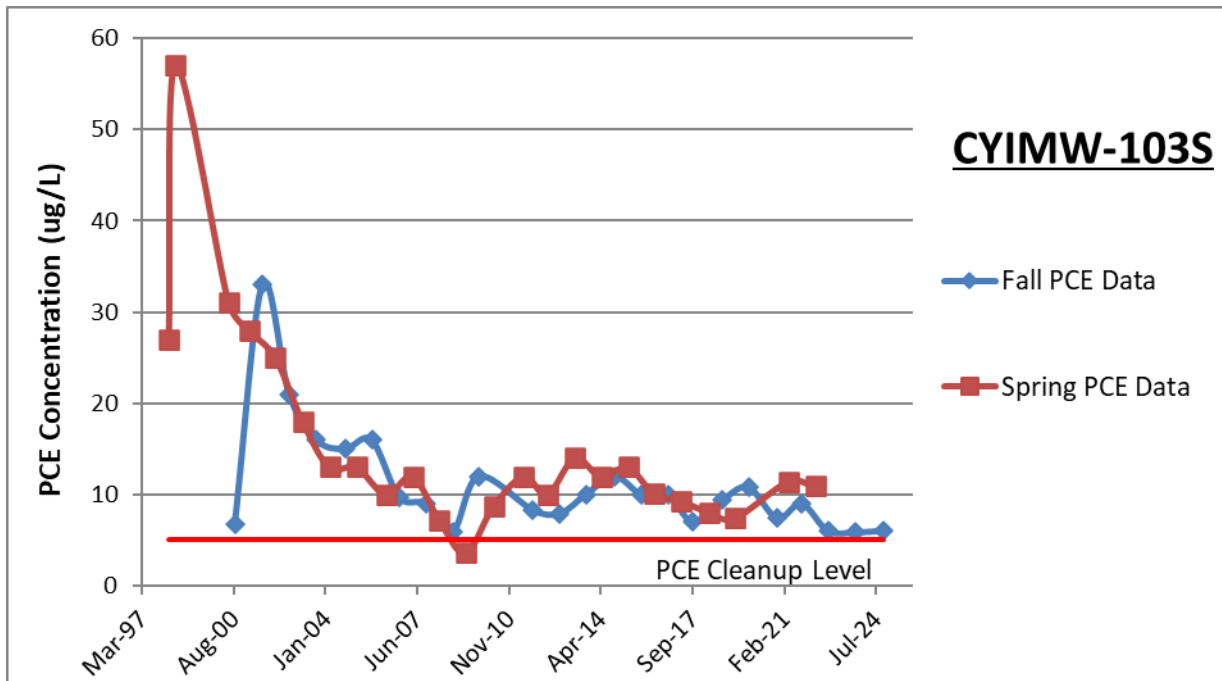


Figure 17. Cameron Yakima, Well CYIMW-103S PCE Results ( $\mu\text{g/L}$ ), June 2000 to October 2024.

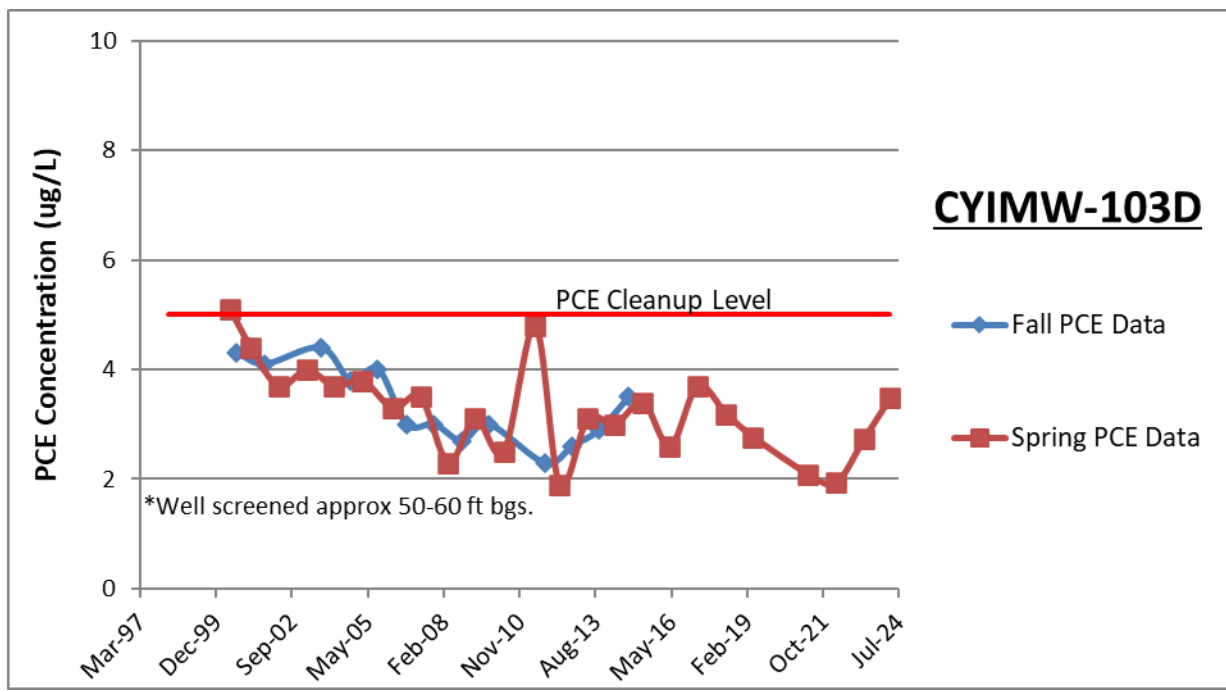


Figure 18. Cameron Yakima, Well CYIMW-103D PCE Results ( $\mu\text{g/L}$ ), June 2000 to April 2024.

**Table 24. Summary of Analytical Results (µg/L) for CYIMW106S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	27 J	1.2 J	2.6	2 U
3/1998	12	0.43 J	0.2 J	1 U
6/1998	8.8	0.35 J	1.7	1 UJ
8/1998	8.3 J	0.36 J	7.4 J	1 UJ
6/1999	7.79	0.43 J	ND	ND
9/1999	19	0.4 J	ND	ND
12/1999	—	—	—	—
3/2000	—	—	—	—
6/2000	6.2	0.28	ND	ND
8/2000	20	0.7	ND	ND
12/2000	12	0.35	ND	ND
3/2001	11	0.3	ND	ND
9/2001	13	0.4	< 0.2	< 0.2
3/2002	6.9	0.24	< 0.2	< 0.2
9/2002	12	0.31	< 0.2	< 0.2
3/2003	5.4	< 0.2	< 0.2	< 0.2
9/2003	13	0.31	< 0.2	< 0.2
3/2004	8.3	0.26	< 0.2	< 0.2
10/2004	11	0.26	< 0.2	< 0.2
3/2005	9.4	0.27	< 0.2	< 0.2
10/2005	15	0.29	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	4.4	< 0.2	< 0.2	< 0.2
10/2006	8.4	0.24	0.2 U	0.2 U
4/2007	3.2	0.22	0.2 U	0.2 U
10/2007	8.9	0.24	0.2 U	0.2 U
4/2008	3.1	< 0.2	< 0.2	< 0.2
10/2008	6.4	1 U	1 U	0.2 U
4/2009	3.5	1 U	1 U	0.2 U
10/2009	9.3	1 U	1 U	0.2 U
4/2010	4.8	1 U	1 U	1 U
6/2011	4	1 U	1 U	0.2 U
10/2011	6.5	0.21	0.2 U	0.2 U
4/2012	2.9	0.2 U	0.2 U	0.2 U
10/2012	5.6	0.2 U	0.2 U	0.2 U
5/2013	3.6	1 U	1 U	1 U
10/2013	7.8	1 U	1 U	1 U
4/2014	2.3 J	1 U	1 U	1 U
10/2014	12	2.9	24	0.2 U
4/2015	—	—	—	—

Date	PCE	TCE	Cis-DCE	VC
10/2015	<b>8</b>	<b>1.3</b>	<b>5</b>	0.2 U
4/2016	—	—	—	—
10/2016	<b>9.5 J</b>	<b>1.2</b>	<b>1.8</b>	0.2 U
4/2017	—	—	—	—
9/2017	<b>6.2</b>	<b>0.65 J</b>	<b>0.89 J</b>	0.2 U
5/2018	—	—	—	—
10/2018	<b>7.7</b>	<b>0.67 J</b>	<b>0.78 J</b>	0.2 U
4/2019	—	—	—	—
10/2019	<b>8.8</b>	1 U	1 U	0.2 U
4/2020	—	—	—	—
11/2020	<b>4.8</b>	<b>0.2 J</b>	<b>0.76 NJ</b>	0.2 U
4/2021	—	—	—	—
10/2021	<b>6.61</b>	<b>0.34 J</b>	<b>0.16 J</b>	0.2 U
4/2022	—	—	—	—
10/2022	<b>4 J</b>	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	—	—	—	—
10/2023	<b>5.19</b>	<b>0.16 J</b>	<b>0.42 NJ</b>	0.2 U
4/2024	—	—	—	—
10/2024	<b>4.36</b>	<b>0.18 J</b>	1 U	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

J: Analyte was positively identified. The associated numerical result is an estimate.

**Bold:** Analyte was detected.

B: Sample collected after an equipment blank or transport blank that reported concentrations of analytes.

Shade: Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

**Table 25. Summary of Analytical Results (µg/L) for CYIMW107S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	—	—	—	—
3/1998	—	—	—	—
6/1998	—	—	—	—
8/1998	18 J	0.02 J	0.06 J	1 UJ
6/1999	27	0.81 J	1.02	ND
9/1999	17.3	0.55 J	ND	ND
12/1999	—	—	—	—
3/2000	—	—	—	—
6/2000	10	0.22	ND	ND
8/2000	14	0.48	0.22	ND
12/2000	16	0.39	ND	ND
3/2001	12	0.35	ND	ND
9/2001	9.2	0.27	< 0.2	< 0.2
3/2002	8.3	0.27	< 0.2	< 0.2
9/2002	8.4	< 0.2	< 0.2	< 0.2
3/2003	7.7	0.21	< 0.2	< 0.2
9/2003	9.5	< 0.2	< 0.2	< 0.2
3/2004	9.5	0.36	< 0.2	< 0.2
10/2004	7	< 0.2	< 0.2	< 0.2
3/2005	9.2	0.28	< 0.2	< 0.2
10/2005	15	0.2 U	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	6.6	< 0.2	< 0.2	< 0.2
10/2006	5	0.2 U	0.2 U	0.2 U
4/2007	6.6	0.2 U	0.2 U	0.2 U
10/2007	4.4	0.2 U	0.2 U	0.2 U
4/2008	5.9	< 0.2	< 0.2	< 0.2
10/2008	2.4	1 U	1 U	0.2 U
4/2009	5.6	1 U	1 U	0.2 U
10/2009	5.9	1 U	1 U	0.2 U
4/2010	7.6	1 U	1 U	1 U
6/2011	8.7	1 U	1 U	0.2 U
10/2011	4.8	0.2 U	0.2 U	0.2 U
4/2012	4.9	0.2 U	0.2 U	0.2 U
10/2012	4.9	0.2 U	0.2 U	0.2 U
5/2013	3.4	1 U	1 U	1 U
10/2013	6.2	1 U	1 U	1 U
4/2014	3.6 J	0.33 J	1 U	1 U
10/2014	7	1	5.9	0.2 U
4/2015	4.7	0.4 J	2.8	0.2 U
10/2015	6.4	0.74 J	3.5	0.2 U

Date	PCE	TCE	Cis-DCE	VC
4/2016	3.5	0.3 J	0.9 J	0.2 U
10/2016	5.4 J	0.53 J	1.1	0.2 U
4/2017	5.1	0.92 J	1.1	0.2 U
9/2017	1.4	1 U	1 U	0.2 U
5/2018	3.9	1 U	0.7 J	0.2 U
10/2018	6.3 J	0.64 J	0.75 J	0.2 U
4/2019	3.6	1 U	1 U	0.2 U
10/2019	6.81	1 U	1 U	0.2 U
4/2020	—	—	—	—
11/2020	5.28	0.25 J	1 UJ	0.2 U
4/2021	2.87 B	1 U	1 U	0.2 U
10/2021	1 U	1 U	1 U	0.2 U
4/2022	3.39 J	0.66 J	1U	5 UJ
10/2022	0.91 J	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	5.03	0.23 J	1 U	0.2 U
10/2023	4.9	0.22 J	0.43 J	0.2 U
4/2024	5.62 J	0.54 J	0.42 NJ	0.2 U
10/2024	4.3	0.18 J	1 U	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

J: Analyte was positively identified. The associated numerical result is an estimate.

**Bold:** Analyte was detected.

B: Sample collected after an equipment blank or transport blank that reported concentrations of analytes.

Shade: Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

**Table 26. Summary of Analytical Results (µg/L) for CYIMW108S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	—	—	—	—
3/1998	—	—	—	—
6/1998	—	—	—	—
8/1998	7.8 J	1 UJ	1 UJ	1 UJ
6/1999	2.88	ND	ND	ND
9/1999	5.29	ND	ND	ND
12/1999	—	—	—	—
3/2000	—	—	—	—
6/2000	1.4	ND	ND	ND
8/2000	3.8	ND	ND	ND
12/2000	3	ND	ND	ND
3/2001	0.97	ND	ND	ND
9/2001	3.7	< 0.2	< 0.2	< 0.2
3/2002	0.89	< 0.2	< 0.2	< 0.2
9/2002	3.3	< 0.2	< 0.2	< 0.2
3/2003	1.3	< 0.2	< 0.2	< 0.2
9/2003	3.5	< 0.2	< 0.2	< 0.2
3/2004	0.96	< 0.2	< 0.2	< 0.2
10/2004	3.4	< 0.2	< 0.2	< 0.2
3/2005	0.8	< 0.2	< 0.2	< 0.2
10/2005	5.9	0.2 U	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	0.6	< 0.2	< 0.2	< 0.2
10/2006	2.2	< 0.2	< 0.2	< 0.2
4/2007	0.43	0.2 U	0.2 U	0.2 U
10/2007	2.2	0.2 U	0.2 U	0.2 U
4/2008	0.48	< 0.2	< 0.2	< 0.2
10/2008	2.3	1 U	1 U	0.2 U
4/2009	0.13 J	1 U	1 U	0.2 U
10/2009	3.2	1 U	1 U	0.2 U
4/2010	3.6	1 U	1 U	1 U
6/2011	5.8	1 U	1 U	0.2 U
10/2011	2.8	0.2 U	0.2 U	0.2 U
4/2012	2.6	0.2 U	0.2 U	0.2 U
10/2012	3.1	0.2 U	0.2 U	0.2 U
5/2013	3.5	1 U	1 U	1 U
10/2013	4.1	1 U	1 U	1 U
4/2014	3.4 J	0.33 J	1 U	1 U
10/2014	4.3	0.58 J	3.5	0.2 U
4/2015	—	—	—	—
10/2015	3.9	0.27 J	1.1	0.2 U

Date	PCE	TCE	Cis-DCE	VC
4/2016	—	—	—	—
10/2016	<b>3.8 J</b>	1 U	0.5 J	0.2 U
4/2017	—	—	—	—
9/2017	<b>2.5</b>	1 U	1 U	0.2 U
5/2018	—	—	—	—
10/2018	<b>3.7</b>	1 U	1 U	0.2 U
4/2019	—	—	—	—
10/2019	<b>3.8</b>	1 U	1 U	0.2 U
4/2020	—	—	—	—
11/2020	<b>3.1</b>	1 U	1 UJ	0.2 U
4/2021	—	—	—	—
10/2021	<b>2.91</b>	<b>0.5 NJ</b>	1 U	0.2 U
4/2022	—	—	—	—
10/2022	<b>2 J</b>	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	—	—	—	—
10/2023	<b>3.14</b>	1 U	<b>0.43 NJ</b>	0.2 U
4/2024	—	—	—	—
10/2024	<b>2.75</b>	1 U	<b>1 U</b>	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

J: Analyte was positively identified. The associated numerical result is an estimate.

**Bold:** Analyte was detected.

B: Sample collected after an equipment blank or transport blank that reported concentrations of analytes.

Shade: Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

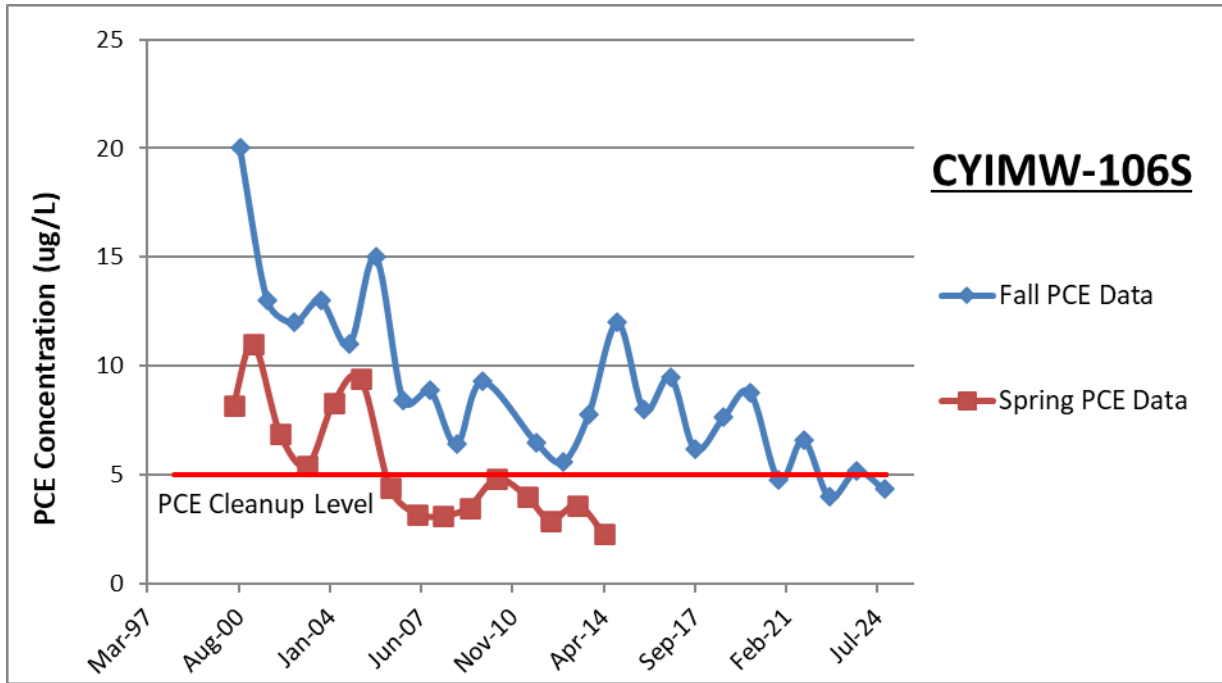


Figure 19. Cameron Yakima, Well CYIMW-106S PCE Results ( $\mu\text{g/L}$ ), June 2000 to October 2024.

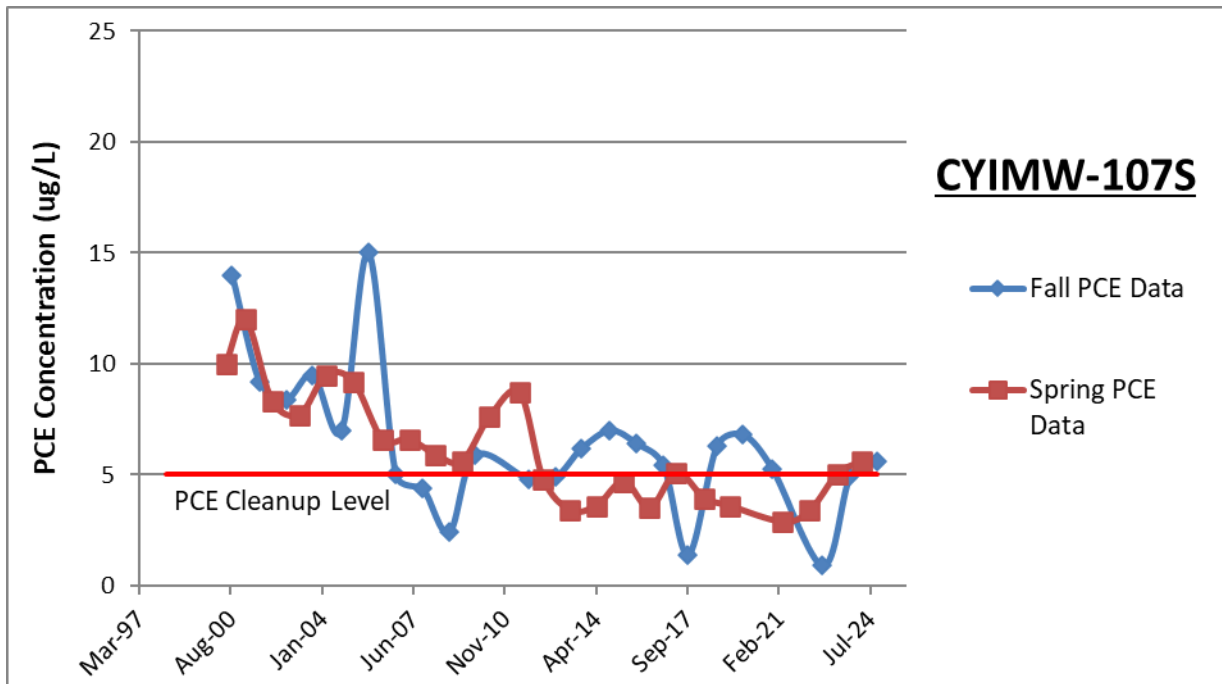


Figure 20. Cameron Yakima, Well CYIMW-107S PCE Results ( $\mu\text{g/L}$ ), June 2000 to October 2024.

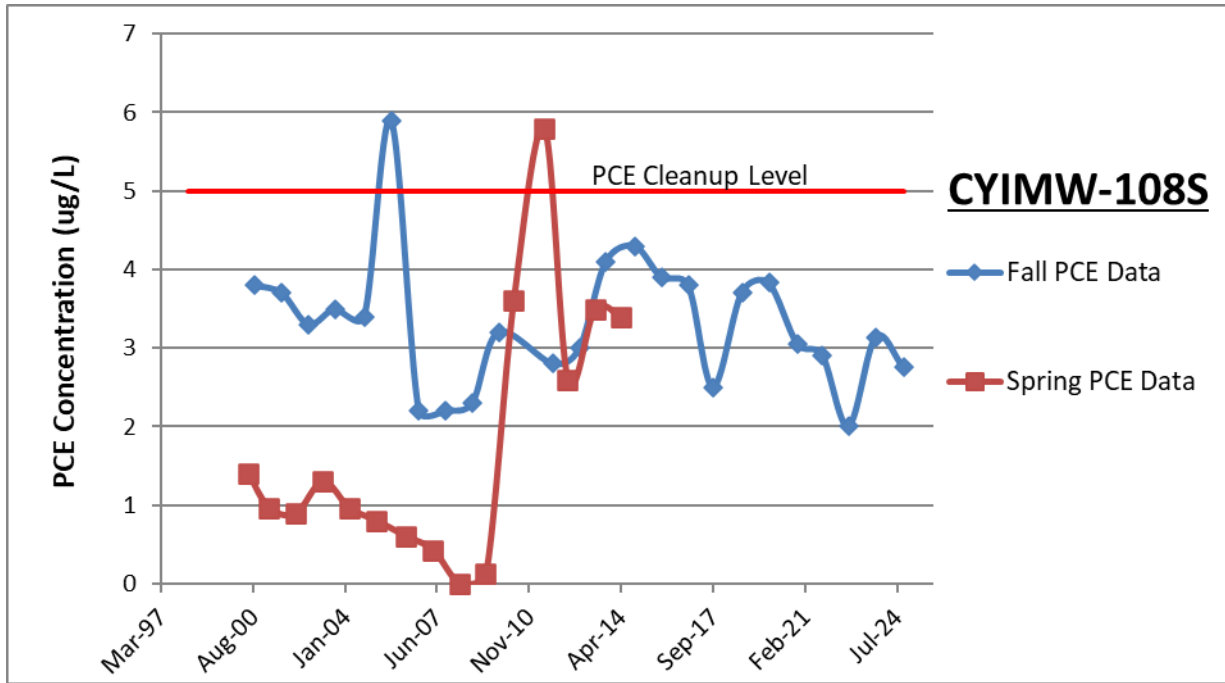


Figure 21. Cameron Yakima, Well CYIMW-108S PCE Results ( $\mu\text{g/L}$ ), June 2000 to October 2024.

**Table 27. Summary of Analytical Results (µg/L) for CYIMW109S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	—	—	—	—
3/1998	—	—	—	—
6/1998	—	—	—	—
8/1998	<b>7.1 J</b>	1 UJ	1 UJ	1 UJ
6/1999	<b>3.77</b>	ND	ND	ND
9/1999	<b>4.96</b>	ND	ND	ND
12/1999	—	—	—	—
3/2000	—	—	—	—
6/2000	<b>2</b>	ND	ND	ND
8/2000	<b>4</b>	ND	ND	ND
12/2000	<b>3.8</b>	ND	ND	ND
3/2001	<b>1.4</b>	ND	ND	ND
9/2001	<b>3.6</b>	< 0.2	< 0.2	< 0.2
3/2002	<b>1.1</b>	< 0.2	< 0.2	< 0.2
9/2002	<b>2.9</b>	< 0.2	< 0.2	< 0.2
3/2003	<b>1.7</b>	< 0.2	< 0.2	< 0.2
9/2003	—	—	—	—
3/2004	—	—	—	—
10/2004	—	—	—	—
3/2005	<b>1.2</b>	< 0.2	< 0.2	< 0.2
10/2005	—	—	—	—
12/2005	<b>1.4</b>	0.2 U	0.2 U	0.2 U
4/2006	<b>0.62</b>	< 0.2	< 0.2	< 0.2
10/2006	<b>2.3</b>	0.2 U	0.2 U	0.2 U
4/2007	<b>0.55</b>	0.2 U	0.2 U	0.2 U
10/2007	<b>2.9</b>	0.2 U	0.2 U	0.2 U
4/2008	<b>0.5</b>	< 0.2	< 0.2	< 0.2
10/2008	<b>1.8</b>	1 U	1 U	0.2 U
4/2009	<b>0.29 J</b>	1 U	1 U	0.2 U
10/2009	<b>3.3</b>	1 U	1 U	0.2 U
4/2010	<b>4.2</b>	1 U	1 U	1 U
6/2011	<b>4</b>	1 U	1 U	0.2 U
10/2011	—	—	—	—
4/2012	—	—	—	—
10/2012	—	—	—	—
5/2013	<b>4.1</b>	1 U	1 U	1 U
10/2013	<b>4.2</b>	1 U	1 U	1 U
4/2014	<b>3.7 J</b>	<b>0.34 J</b>	1 U	1 U
10/2014	<b>5.7</b>	<b>1</b>	<b>7.2</b>	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because suspect results were rejected from the study due to quality issues (Applies to October 2005 results).

**Table 28. Summary of Analytical Results (µg/L) for CYIMW110S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	—	—	—	—
3/1998	—	—	—	—
6/1998	—	—	—	—
8/1998	8.3 J	1 UJ	1 UJ	1 UJ
6/1999	4.52	ND	ND	ND
9/1999	5.86	ND	ND	ND
12/1999	—	—	—	—
3/2000	—	—	—	—
6/2000	2.3	ND	ND	ND
8/2000	5.6	ND	ND	ND
12/2000	4.4	ND	ND	ND
3/2001	2.2	ND	ND	ND
9/2001	4.3	< 0.2	< 0.2	< 0.2
3/2002	1.7	< 0.2	< 0.2	< 0.2
9/2002	3.6	< 0.2	< 0.2	< 0.2
3/2003	2.4	< 0.2	< 0.2	< 0.2
9/2003	—	—	—	—
3/2004	—	—	—	—
10/2004	—	—	—	—
3/2005	—	—	—	—
10/2005	4.1	0.2 U	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	1.2	< 0.2	< 0.2	< 0.2
10/2006	3	0.2 U	0.2 U	0.2 U
4/2007	0.96	0.2 U	0.2 U	0.2 U
10/2007	3.7	0.2 U	0.2 U	0.2 U
4/2008	0.75	< 0.2	< 0.2	< 0.2
10/2008	1.9	1 U	1 U	0.2 U
4/2009	0.59 J	1 U	1 U	0.2 U
10/2009	3.7	1 U	1 U	0.2 U
4/2010	5.2	1 U	1 U	1 U
6/2011	5.8	1 U	1 U	0.2 U
10/2011	3.4	0.2 U	0.2 U	0.2 U
4/2012	1.3	0.2 U	0.2 U	0.2 U
10/2012	3.9	0.2 U	0.2 U	0.2 U
5/2013	4.5	1 U	1 U	1 U
10/2013	—	—	—	—
4/2014	2.8 J	0.28 NJ	1 U	1 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride  
 ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because the well was not sampled.

**Table 29. Summary of Analytical Results (µg/L) for CYIMW111S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	—	—	—	—
3/1998	—	—	—	—
6/1998	—	—	—	—
8/1998	<b>9.4 J</b>	<b>0.19 J</b>	1 UJ	1 UJ
6/1999	<b>6.1</b>	ND	ND	ND
9/1999	<b>8.57</b>	ND	ND	ND
12/1999	—	—	—	—
3/2000	—	—	—	—
6/2000	<b>3.9</b>	ND	ND	ND
8/2000	<b>6.5</b>	ND	ND	ND
12/2000	<b>5.1</b>	ND	ND	ND
3/2001	<b>2.3</b>	ND	ND	ND
9/2001	<b>5.7</b>	< 0.2	< 0.2	< 0.2
3/2002	<b>1.5</b>	< 0.2	< 0.2	< 0.2
9/2002	<b>5.4</b>	< 0.2	< 0.2	< 0.2
3/2003	<b>2.2</b>	< 0.2	< 0.2	< 0.2
9/2003	<b>5.8</b>	< 0.2	< 0.2	< 0.2
3/2004	<b>1.7</b>	< 0.2	< 0.2	< 0.2
10/2004	<b>0.65</b>	< 0.2	< 0.2	< 0.2
3/2005	<b>1.7</b>	< 0.2	< 0.2	< 0.2
10/2005	<b>4.4</b>	0.2 U	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	<b>0.4</b>	< 0.2	< 0.2	< 0.2
10/2006	<b>2.2</b>	0.2 U	0.2 U	0.2 U
4/2007	<b>0.68</b>	0.2 U	0.2 U	0.2 U
10/2007	<b>3.3</b>	0.2 U	0.2 U	0.2 U
4/2008	<b>0.6</b>	< 0.2	< 0.2	< 0.2
10/2008	<b>1.8</b>	1 U	1 U	0.2 U
4/2009	<b>0.43 J</b>	1 U	1 U	0.2 U
10/2009	<b>5.5</b>	1 U	1 U	0.2 U
4/2010	<b>1.3</b>	1 U	1 U	1 U
6/2011	1 U	1 U	1 U	0.2 U
10/2011	<b>4.4</b>	0.2 U	0.2 U	0.2 U
4/2012	<b>0.52</b>	0.2 U	0.2 U	0.2 U
10/2012	<b>2.3</b>	0.2 U	0.2 U	0.2 U
5/2013	<b>1.2</b>	1 U	1 U	1 U
10/2013	<b>0.93 J</b>	1 U	1 U	1 U
4/2014	—	—	—	—
10/2014	—	—	—	—
4/2015	—	—	—	—
10/2015	<b>1.1</b>	1 U	<b>0.57 J</b>	0.2 U

Date	PCE	TCE	Cis-DCE	VC
4/2016	—	—	—	—
10/2016	1 U	1 U	1 U	0.2 U
4/2017	—	—	—	—
9/2017	1 U	1 U	1 U	0.2 U
5/2018	—	—	—	—
10/2018	<b>4.9</b>	1 U	<b>0.58 J</b>	0.2 U
4/2019	—	—	—	—
10/2019	<b>4.1</b>	1 U	1 U	0.2 U
4/2020	—	—	—	—
11/2020	<b>3.7</b>	<b>0.13 NJ</b>	1 UJ	0.2 U
4/2021	—	—	—	—
10/2021	<b>4.85</b>	<b>0.22 J</b>	<b>0.13 J</b>	0.2 U
4/2022	—	—	—	—
10/2022	<b>1.3 J</b>	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	—	—	—	—
10/2023	<b>3.78</b>	<b>0.13 NJ</b>	<b>0.42 J</b>	0.2 U
4/2024	—	—	—	—
10/2024	<b>3.79</b>	<b>0.18 J</b>	<b>0.25 J</b>	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because the well was not sampled.

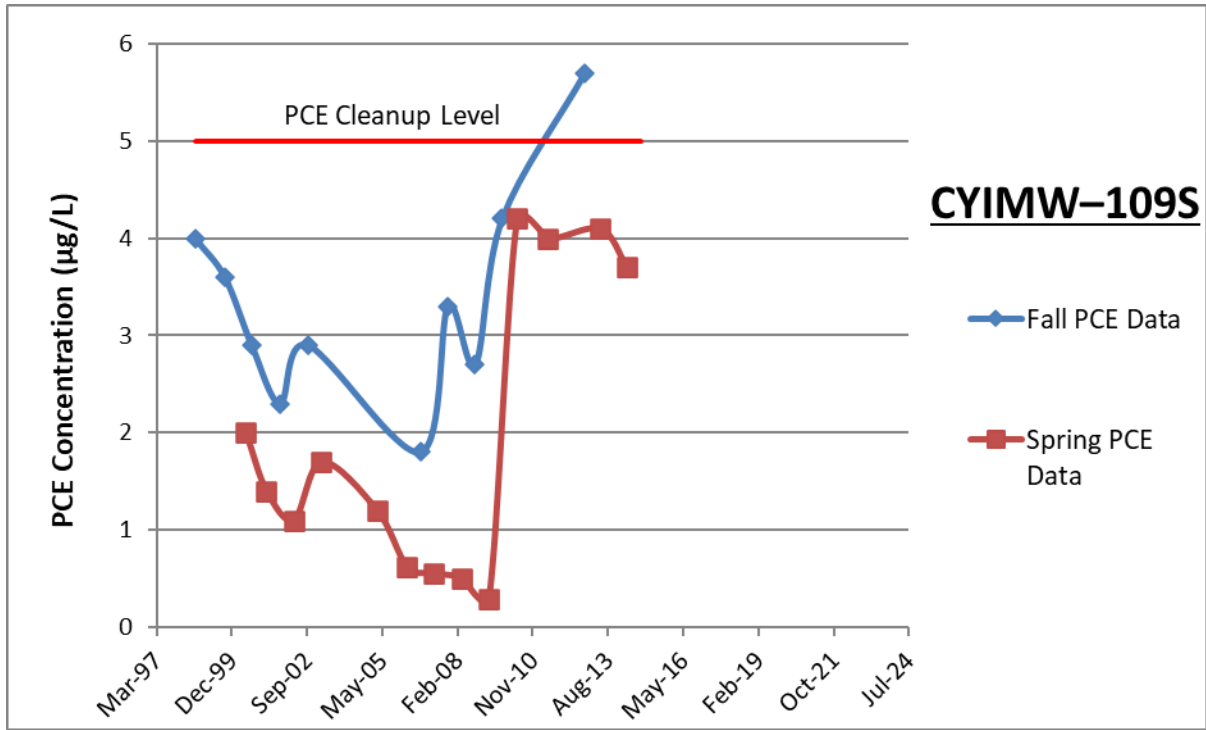


Figure 22. Cameron Yakima, Well CYIMW-109S PCE Results (µg/L), June 2000 to October 2014.

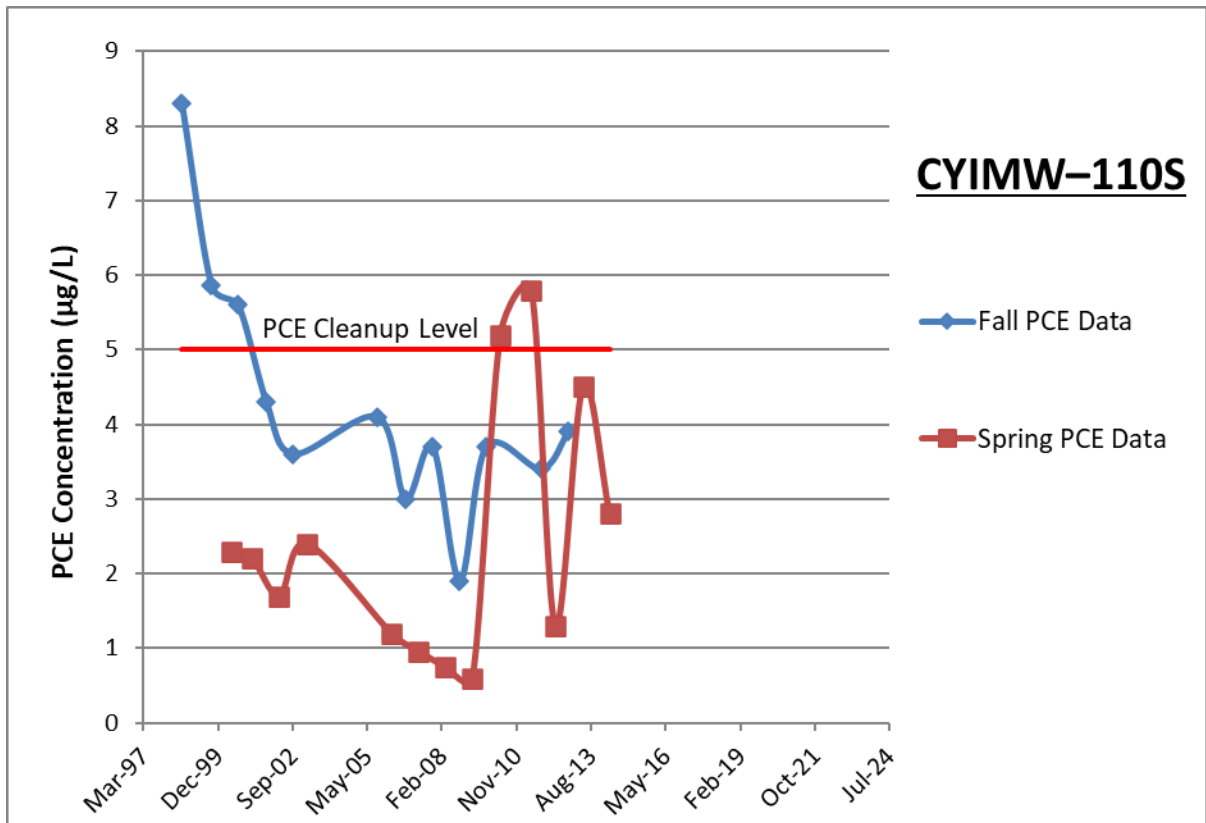


Figure 23. Cameron Yakima, Well CYIMW-110S PCE Results (µg/L), June 2000 to April 2014.

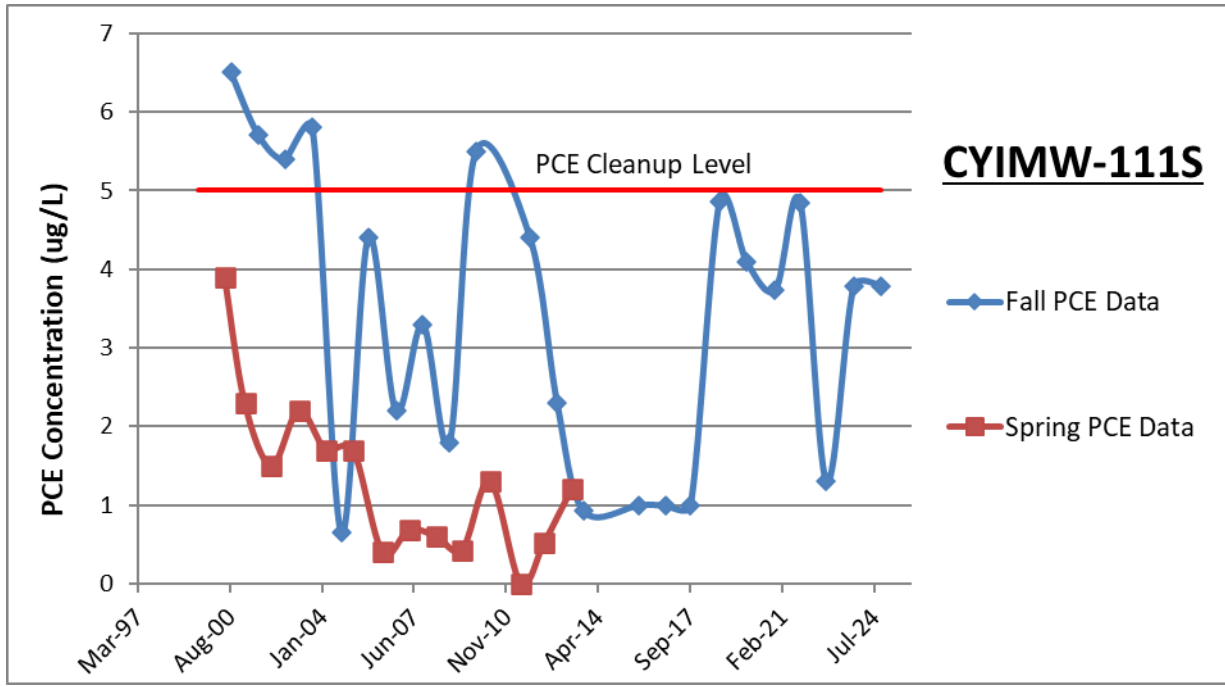


Figure 24. Cameron Yakima, Well CYIMW-111S PCE Results (µg/L), June 2000 to October 2024.

**Table 30. Summary of Analytical Results (µg/L) for CYIMW112S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
8/1998	15 J	0.02 J	0.45 J	1 UJ
6/1999	18.9	0.71 J	1.47	ND
9/1999	17.1	0.56 J	0.71 J	ND
12/1999	—	—	—	—
3/2000	—	—	—	—
6/2000	9.6	0.28	ND	ND
8/2000	11	0.37	ND	ND
12/2000	13	0.38	ND	ND
3/2001	6.5	0.24	ND	ND
9/2001	8.6	0.27	< 0.2	< 0.2
3/2002	3.9	< 0.2	< 0.2	< 0.2
9/2002	4	< 0.2	< 0.2	< 0.2
3/2003	4.6	0.21	< 0.2	< 0.2
9/2003	—	—	—	—
3/2004	—	—	—	—
10/2004	—	—	—	—
3/2005	3.7	< 0.2	< 0.2	< 0.2
10/2005	8.8	0.2 U	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	3	< 0.2	< 0.2	< 0.2
10/2006	4.6	0.2 U	0.2 U	0.2 U
4/2007	2.7	0.2 U	0.2 U	0.2 U
10/2007	4.7	0.2 U	0.2 U	0.2 U
4/2008	2	< 0.2	< 0.2	< 0.2
10/2008	3.2	1 U	1 U	0.2 U
4/2009	1.8	1 U	1 U	0.2 U
10/2009	7.9	1 U	1 U	0.2 U
4/2010	6.2	1 U	1 U	1 U
6/2011	8.5	1 U	1 U	0.2 U
10/2011	4.7	0.2 U	0.2 U	0.2 U
4/2012	7.3	0.28	0.2 U	0.2 U
10/2012	6.1	0.2 U	0.2 U	0.2 U
5/2013	9	0.44 J	0.45 J	1 U
10/2013	11	1 U	1 U	1 U
4/2014	7.4 J	0.6 J	1 U	1 U
10/2014	5.1	0.67 J	4	0.2 U
4/2015	9.1	1.1	7.6	0.2 U
10/2015	9.3	1.3	5.6	0.2 U

Date	PCE	TCE	Cis-DCE	VC
4/2016	<b>5.9</b>	<b>0.77 J</b>	<b>1.9</b>	0.2 U
10/2016	<b>7</b>	<b>0.8 J</b>	<b>1.2</b>	0.2 U
4/2017	—	—	—	—
9/2017	—	—	—	—
5/2018	—	—	—	—
10/2018	<b>8</b>	<b>0.69 J</b>	<b>0.8 J</b>	0.2 U
4/2019	—	—	—	—
10/2019	—	—	—	—
4/2020	—	—	—	—
11/2020	<b>11.6</b>	<b>0.69 J</b>	<b>0.92 J</b>	0.2 U
4/2021	—	—	—	—
10/2021	—	—	—	—
4/2022	—	—	—	—
10/2022	<b>3.9 J</b>	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	—	—	—	—
10/2023	—	—	—	—
4/2024	—	—	—	—
10/2024	<b>9.39</b>	<b>0.51 J</b>	<b>0.37 J</b>	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

**Table 31. Summary of Analytical Results (µg/L) for CYIMW113S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
8/1998	21 J	0.2 J	1.2 J	1 UJ
10/2005	9.9	0.2 U	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	—	—	—	—
10/2006	5.5	0.2 U	0.2 U	0.2 U
4/2007	2.8	0.2 U	0.2 U	0.2 U
10/2007	5.5	0.2 U	0.2 U	0.2 U
4/2008	—	—	—	—
10/2008	3.7	1 U	1 U	0.2 U
4/2009	1.8	1 U	1 U	0.2 U
10/2009	8.6	1 U	1 U	0.2 U
4/2010	14	1 U	1 U	1 U
6/2011	12	1 U	1 U	0.2 U
10/2011	9	0.22	0.2 U	0.2 U
4/2012	8.5	0.36	0.2 U	0.2 U
10/2012	8.8	0.25	0.2 U	0.2 U
5/2013	12	0.58 J	0.51 J	1 U
10/2013	13	1 U	1 U	1 U
4/2014	6.1 J	0.55 J	1 U	1 U
10/2014	9.7	2	14	0.2 U
4/2015	12	1.4	9.9	0.2 U
10/2015	11	1.6	6.7	0.2 U
4/2016	7.2	0.92 J	2.5	0.2 U
10/2016	10	1.2	1.8	0.2 U
4/2017	13	1.8	2.3	0.2 U
9/2017	—	—	—	—
5/2018	9.8	1	1.5	0.2 U
10/2018	—	—	—	—
4/2019	10.3	0.98 J	0.68 J	0.2 U
10/2019	—	—	—	—
4/2020	—	—	—	—
11/2020	—	—	—	—
4/2021	7.67	0.58 J	1 U	0.2 U
10/2021	—	—	—	—
4/2022	4.6 J	0.76 J	1 U	5 UJ
10/2022	—	—	—	—
4/2023	10.3	0.55 J	0.18 J	0.2 U
10/2023	—	—	—	—

Date	PCE	TCE	Cis-DCE	VC
4/2024	<b>13.4 J</b>	<b>0.98 J</b>	<b>0.49 J</b>	0.2 U
10/2024	—	—	—	—
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

**Table 32. Summary of Analytical Results (µg/L) for CYIMW113D, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
8/1998	5 J	1 UJ	1 UJ	1 UJ
6/1999	5.34	ND	ND	ND
9/1999	5.46	ND	ND	ND
12/1999	—	—	—	—
3/2000	—	—	—	—
6/2000	5.8	ND	ND	ND
8/2000	5.1	ND	ND	ND
12/2000	5.2	ND	ND	ND
3/2001	4.4	ND	ND	ND
9/2001	4.7	< 0.2	< 0.2	< 0.2
3/2002	3.5	< 0.2	< 0.2	< 0.2
9/2002	4.5	< 0.2	< 0.2	< 0.2
3/2003	3.9	< 0.2	< 0.2	< 0.2
9/2003	—	—	—	—
3/2004	—	—	—	—
10/2004	—	—	—	—
3/2005	4	< 0.2	< 0.2	< 0.2
10/2005	4.8	< 0.2	< 0.2	< 0.2
12/2005	—	—	—	—
4/2006	3.8	< 0.2	< 0.2	< 0.2
10/2006	3.6	0.2 U	0.2 U	0.2 U
4/2007	3.5	0.2 U	0.2 U	0.2 U
10/2007	3.2	0.2 U	0.2 U	0.2 U
4/2008	2.7	< 0.2	< 0.2	< 0.2
10/2008	2.8	1 U	1 U	0.2 U
4/2009	3	1 U	1 U	0.2 U
10/2009	4.2	1 U	1 U	0.2 U
4/2010	3.4	1 U	1 U	1 U
6/2011	6.1	1 U	1 U	0.2 U
10/2011	3.1	0.2 U	0.2 U	0.2 U
4/2012	2.8	0.2 U	0.2 U	0.2 U
10/2012	2.9	0.2 U	0.2 U	0.2 U
5/2013	4	1 U	1 U	1 U
10/2013	4.5	1 U	1 U	1 U
4/2014	3.8 J	0.33 J	1 U	1 U
10/2014	4.8	1 U	2.1	0.2 U
4/2015	4.4	1 U	0.38 J	0.2 U
10/2015	—	—	—	—

Date	PCE	TCE	Cis-DCE	VC
4/2016	<b>3.6</b>	1 U	<b>0.13 J</b>	0.2 U
10/2016	—	—	—	—
4/2017	<b>4.7</b>	<b>0.67 J</b>	1 U	0.2 U
9/2017	—	—	—	—
5/2018	<b>3.4</b>	1 U	1 U	0.2 U
10/2018	—	—	—	—
4/2019	<b>2.9 J</b>	1 UJ	1 UJ	0.2 UJ
10/2019	—	—	—	—
4/2020	—	—	—	—
11/2020	—	—	—	—
4/2021	<b>2.71</b>	1 U	1 U	0.2 U
10/2021	—	—	—	—
4/2022	<b>2.44 J</b>	<b>0.54 J</b>	1 U	5 UJ
10/2022	—	—	—	—
4/2023	<b>3.32</b>	1 U	1 U	0.2 U
10/2023	—	—	—	—
4/2024	<b>4.01 J</b>	<b>0.41 J</b>	<b>0.37 NJ</b>	0.2 U
10/2024	—	—	—	—
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

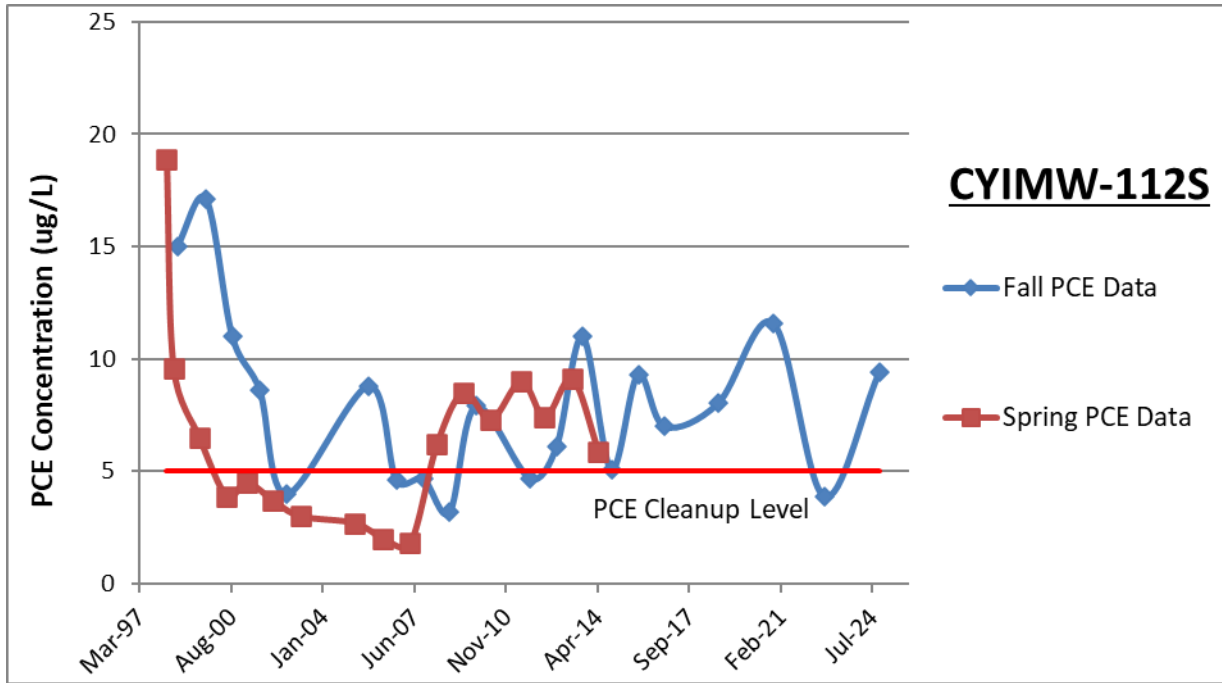


Figure 25. Cameron Yakima, Well CYIMW-112S PCE Results ( $\mu\text{g/L}$ ), June 2000 to October 2024.

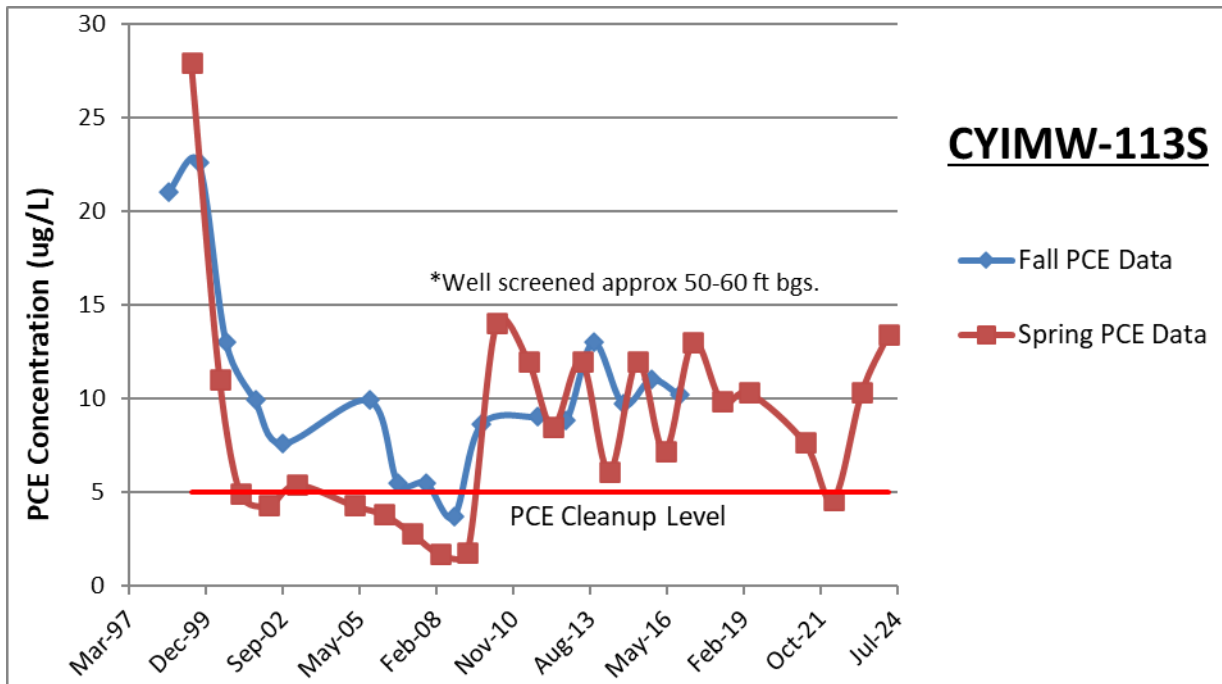


Figure 26. Cameron Yakima, Well CYIMW-113S PCE Results ( $\mu\text{g/L}$ ), June 2000 to April 2024.

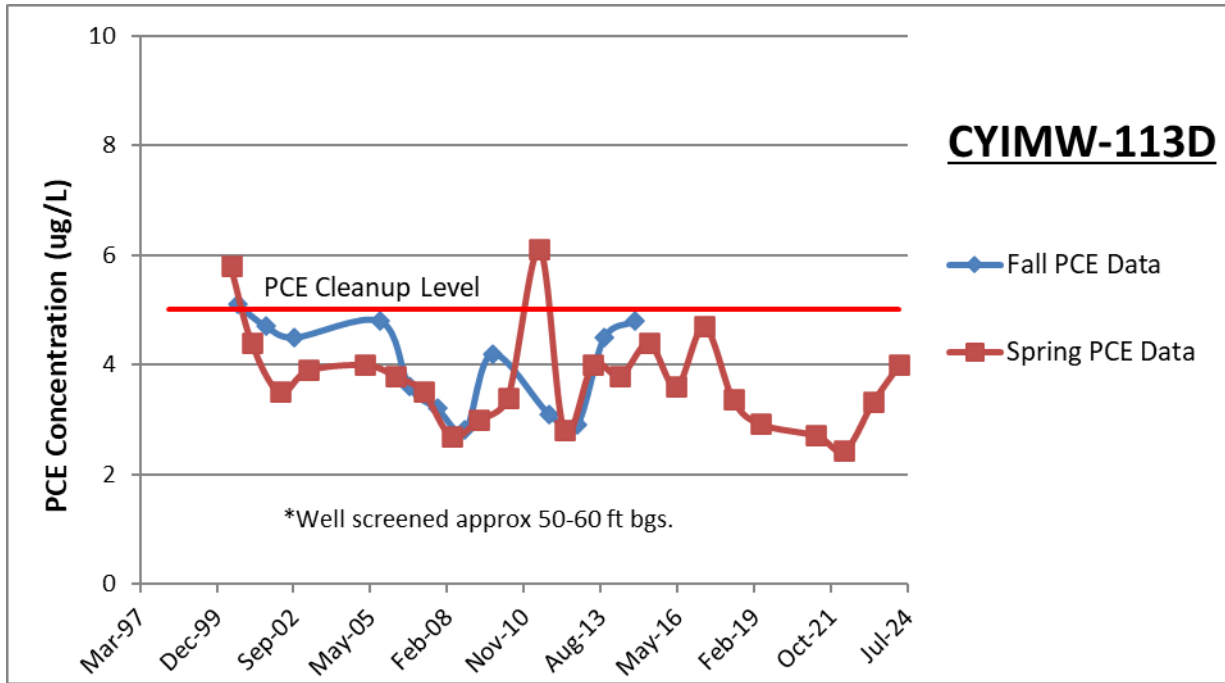


Figure 27. Cameron Yakima, Well CYIMW-113D PCE Results (µg/L), June 2000 to April 2024.

**Table 33. Summary of Analytical Results (µg/L) for CYIMW114S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
8/1998	15 J	0.03 J	0.72 J	1 UJ
6/1999	19.1	0.65 J	1.59	ND
9/1999	15.8	0.63 J	0.84 J	ND
12/1999	—	—	—	—
3/2000	—	—	—	—
6/2000	9.9	0.28	0.2	ND
8/2000	7.9	0.32	ND	ND
12/2000	13	0.34	ND	ND
3/2001	8.6	0.33	ND	ND
9/2001	7.8	0.27	< 0.2	< 0.2
3/2002	5.5	0.25	< 0.2	< 0.2
9/2002	4.9	< 0.2	< 0.2	< 0.2
3/2003	6.3	< 0.2	< 0.2	< 0.2
9/2003	—	—	—	—
3/2004	—	—	—	—
10/2004	—	—	—	—
3/2005	6.2	0.31	< 0.2	< 0.2
10/2005	7.2	0.2 U	0.2 U	0.2 U
12/2005	—	—	—	—
4/2006	2.5	< 0.2	< 0.2	< 0.2
10/2006	4.8	0.2 U	0.2 U	0.2 U
4/2007	2.5	0.2 U	0.2 U	0.2 U
10/2007	5	0.2 U	0.2 U	0.2 U
4/2008	3.4	< 0.2	< 0.2	< 0.2
10/2008	3.4	1 U	1 U	0.2 U
4/2009	4.4	1 U	2.4	0.2 U
10/2009	7.9	1 U	1 U	0.2 U
4/2010	13	1 U	1 U	1 U
6/2011	12	1 U	1 U	0.2 U
10/2011	9.5	0.27	0.2 U	0.2 U
4/2012	8.9	0.34	0.2 U	0.2 U
10/2012	8.9	0.28	0.2 U	0.2 U
5/2013	12	0.41 J	0.46 J	1 U
10/2013	12	1 U	1 U	1 U
4/2014	12 J	0.79 J	0.52 J	1 U
10/2014	10	2.1	14	0.2 U
4/2015	12	1.4	11	0.2 U
10/2015	—	—	—	—

Date	PCE	TCE	Cis-DCE	VC
4/2016	<b>10</b>	<b>1.3</b>	<b>3.8</b>	0.2 U
10/2016	<b>10</b>	<b>1.2</b>	<b>1.8</b>	0.2 U
4/2017	—	—	—	—
9/2017	<b>6.2</b>	<b>0.63 J</b>	<b>0.95 J</b>	0.2 U
5/2018	—	—	—	—
10/2018	—	—	—	—
4/2019	—	—	—	—
10/2019	<b>11.2</b>	<b>0.96 J</b>	1 U	0.2 U
4/2020	—	—	—	—
11/2020	—	—	—	—
4/2021	—	—	—	—
10/2021	<b>5.5</b>	<b>0.27 J</b>	1 U	0.2 U
4/2022	—	—	—	—
10/2022	—	—	—	—
4/2023	—	—	—	—
10/2023	<b>9.25</b>	<b>0.5 J</b>	<b>0.51 J</b>	0.2 U
4/2024	—	—	—	—
10/2024	—	—	—	—
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

ND: Analyte was not detected.

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

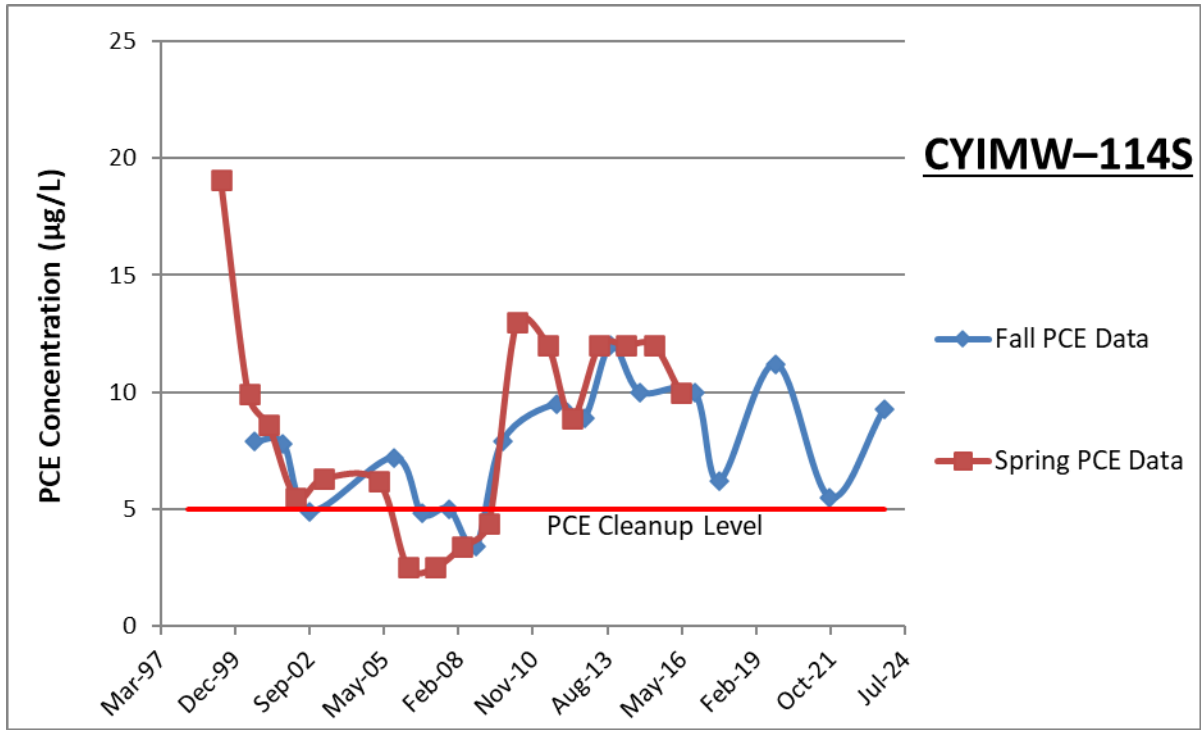


Figure 28. Cameron Yakima, Well CYIMW-114S PCE Results (µg/L), June 2000 to October 2024.

## 7. Frank Wear Cleaners

**Table 34. Summary of Analytical Results (µg/L) for Shallow Well FWMW-4, February 1995 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
2/1995	1.7	—	—	—
4/1995	18	—	—	—
9/1995	6	—	—	—
12/1995	332	—	—	—
12/1997	1100	—	—	—
3/1998	210	—	—	—
6/1998	280	—	—	—
8/1998	34	—	—	—
6/1999	530	—	—	—
9/1999	52	—	—	—
12/1999	139	—	—	—
3/2000	700	—	—	—
6/2000	52	—	—	—
8/2000	11	—	—	—
12/2000	23	—	—	—
3/2001	876	—	—	—
7/2005	48	—	—	—
10/2006	30	—	—	—
1/2007	—	—	—	—
4/2007	20	—	—	—
4/2012	1900	1.3	1 U	1 U
9/2012	6.3	1 U	1 U	1 U
12/2012	9.1	1 U	1 U	1 U
3/2013	740	1 U	1 U	1 U
1/2014	150	1 U	1 U	1 U
5/2014	940	10 U	10 U	0.02 U
8/2014	320	150	200	0.2
11/2014	9.4	4.7	300	77
2/2015	1500	39	41	60
5/2015	4.8	0.97	10	2
8/2015	12	5.9	55	1.3
12/2015	11	6.3	52	2.2
3/2016	0.73	1.7	190	210
4/2017	235	27	23	2 U
9/2017	4.8 J	0.64 J	0.85 J	0.2 UJ
5/2018	645	19 J	135	1.8 J
10/2018	6.2	1 U	0.7 J	0.2 U
4/2019	633	20	115	0.77
10/2019	5.8 J	1 UJ	1 U	0.2 U

Date	PCE	TCE	Cis-DCE	VC
4/2020	—	—	—	—
11/2020	<b>28.2</b>	<b>0.48 J</b>	<b>1</b>	0.2 U
4/2021	<b>26.1</b>	<b>1.89</b>	<b>44.6</b>	0.2 U
10/2021	<b>4.89</b>	<b>0.11 J</b>	1 U	0.2 U
4/2022	<b>127 J</b>	<b>31.3</b>	<b>71.9</b>	<b>57.6 J</b>
10/2022	—	—	—	—
4/2023	<b>414</b>	<b>19</b>	<b>56.7</b>	<b>0.42</b>
10/2023	<b>4.24</b>	1 U	<b>0.42 NJ</b>	0.2 U
4/2024	<b>211 J</b>	<b>2.2</b>	<b>2.03</b>	0.2 U
10/2024	<b>4.78</b>	0.1 U	<b>0.3 NJ</b>	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

ND: Analyte was not detected.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

B: Sample collected after an equipment blank or transport blank that reported concentrations of analytes.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

**Table 35. Summary of Analytical Results (µg/L) for Shallow Well FWMW-5, February 1995 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
12/1997	83	—	—	—
3/1998	390	—	—	—
6/1998	120	—	—	—
8/1998	17	—	—	—
6/1999	91	—	—	—
9/1999	19	—	—	—
12/1999	69	—	—	—
3/2000	103	—	—	—
6/2000	25	—	—	—
8/2000	6.6	—	—	—
12/2000	41	—	—	—
3/2001	17	—	—	—
7/2005	—	—	—	—
10/2006	6.5	—	—	—
1/2007	24	1 U	1 U	1 U
4/2007	2.9	—	—	—
4/2012	12	1 U	1 U	1 U
9/2012	2.1	1 U	1 U	1 U
12/2012	8.8	1 U	1 U	1 U
3/2013	2.4	1 U	1 U	1 U
1/2014	1.5	1 U	1 U	1 U
5/2014	17000	220	520	0.052
8/2014	76	15000	7700	1 U
11/2014	5 U	5 U	3200	620
2/2015	37	60	230	250
5/2015	13	160	540	42
8/2015	98	150	1100	210
12/2015	61	220	350	83
3/2016	50 U	20 U	200	90
4/2017	30	44	43	46
9/2017	3.3 JB	0.99 JB	1 U	0.2 UJ
5/2018	6.1 J	8.5	20	13
10/2018	3.3 JB	1 U	0.58 J	0.2 U
4/2019	7.3	5.9	10	1.4 J
10/2019	3.1 J	1 U	1 U	0.2 U
4/2020	—	—	—	—
11/2020	11.5	3.5	3.5	0.2 U
4/2021	2.74	0.63 J	1.38	0.2 U
10/2021	1.99	0.12 J	1 U	0.2 U
4/2022	1.5 J	0.86 J	0.61 J	5 UJ
10/2022	1.5 J	0.2 UJ	0.2 UJ	0.2 UJ

Date	PCE	TCE	Cis-DCE	VC
4/2023	<b>4.91</b>	<b>1.36</b>	<b>1.4</b>	0.2 U
10/2023	<b>1.49</b>	1 U	<b>0.41 NJ</b>	0.2 U
4/2024	<b>3.93</b>	<b>1.46</b>	<b>0.41 NJ</b>	<b>0.15 J</b>
10/2024	<b>3.63</b>	<b>0.61 J</b>	<b>0.53 J</b>	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

ND: Analyte was not detected.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

B: Sample collected after an equipment blank or transport blank that reported concentrations of analytes.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

**Table 36. Summary of Analytical Results (µg/L) for Shallow Well FWMW-6, February 1995 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
7/2005	6	1 U	1 U	5 U
10/2006	2.6	—	—	—
1/2007	—	—	—	—
4/2007	3.1	—	—	—
4/2012	4.9	1 U	1 U	1 U
9/2012	1.7	1 U	1 U	1 U
12/2012	2.2	1 U	1 U	1 U
3/2013	3.4	1 U	1 U	1 U
1/2014	1.5	1 U	1 U	1 U
5/2014	1700	69	140	0.02 U
8/2014	570	5000	5000	0.83
11/2014	19	8.6	390	26
2/2015	31	19	130	7.2
5/2015	45	24	85	7.3
8/2015	61	43	93	2.6
12/2015	7.1	18	51	0.2 U
3/2016	7.6	4.2	15	0.28
4/2017	3.9	1.4	2.2	0.2 U
9/2017	1.9	1 U	1 U	0.2 U
5/2018	2.1	1 U	1.1 NJ	0.2 U
10/2018	3.4 JB	1 U	1 U	0.2 U
4/2019	4.3 J	1 U	0.82 J	0.2 U
10/2019	5.6	1.6	3.5	0.2 U
4/2020	—	—	—	—
11/2020	2.1	0.11 J	0.86 J	0.2 U
4/2021	2.34	1 U	1 U	0.2 U
10/2021	5.33	1.57	3.14	0.2 U
4/2022	1.22 J	0.54 J	1 U	5 UJ
10/2022	4.6 J	1.1 J	2.3J	0.2 UJ
4/2023	1.96	1 U	1 U	0.2 U
10/2023	5.1	1.22	2.23 J	0.2 U
4/2024	1.53 U	0.37 J	0.41 NJ	0.2 U
10/2024	2.14	0.22 J	0.5 J	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

ND: Analyte was not detected.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

B: Sample collected after an equipment blank or transport blank that reported concentrations of analytes.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

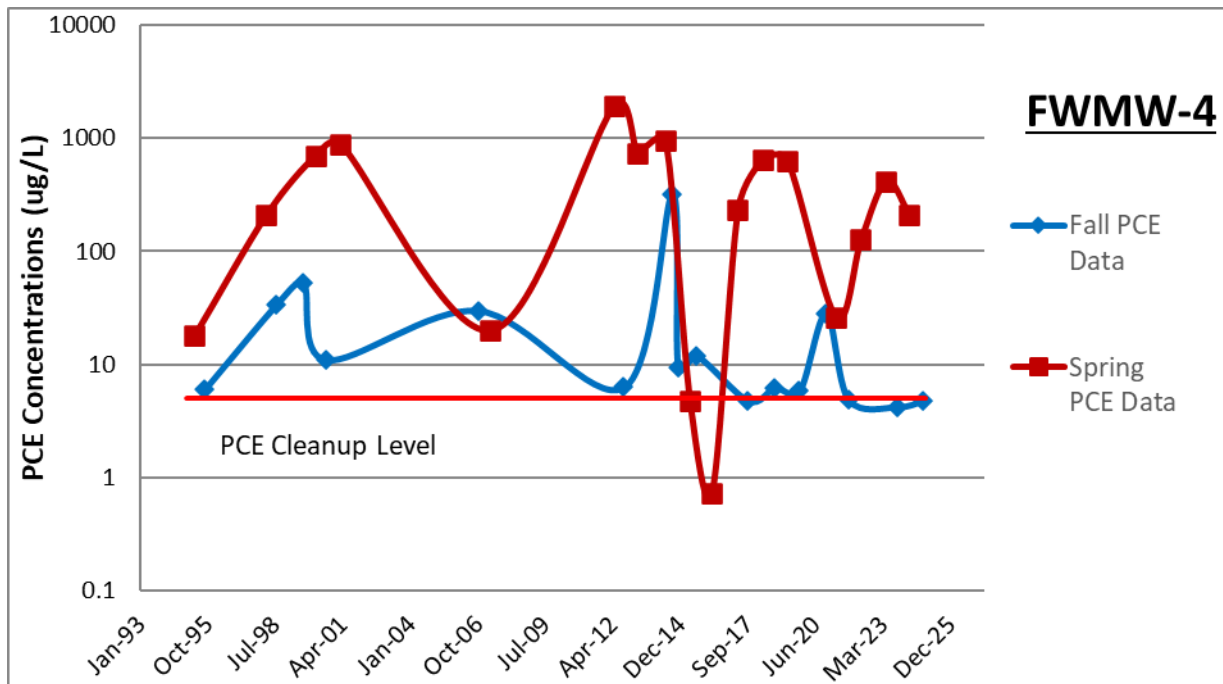


Figure 29. Frank Wear Well FWMW-4 PCE Results ( $\mu\text{g/L}$ , log scale), February 1995 to October 2024.

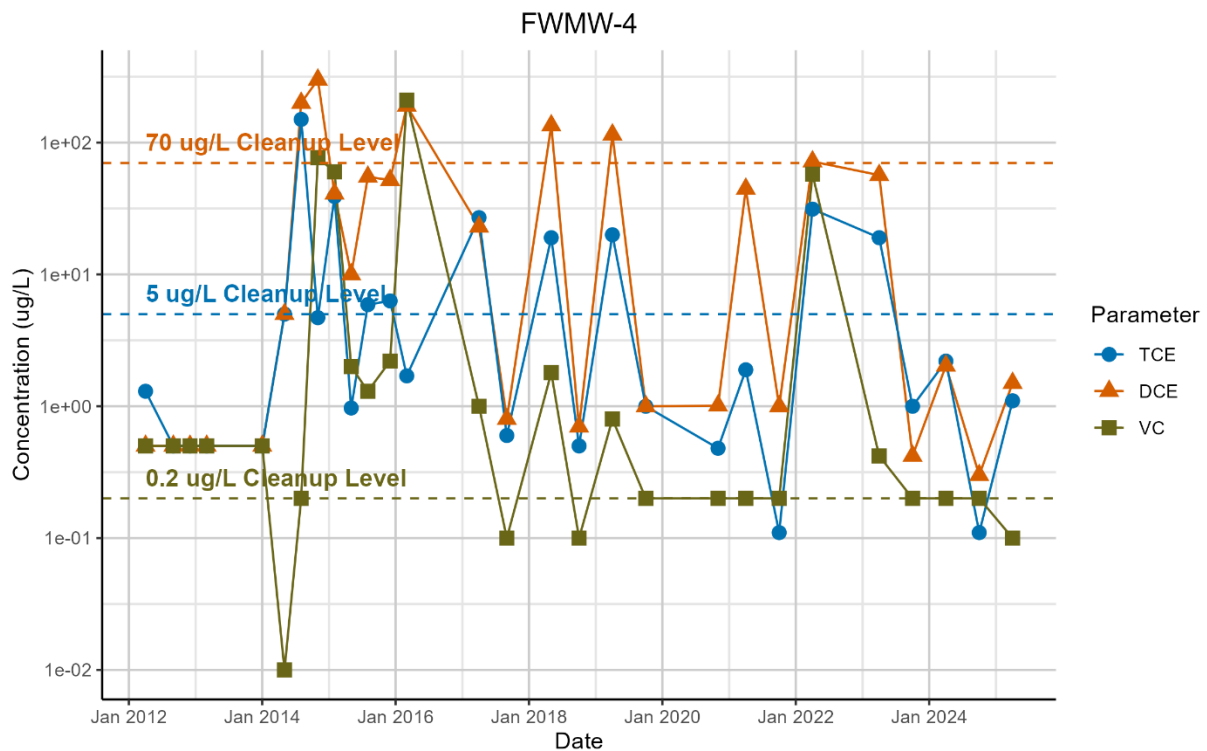


Figure 30. Frank Wear Well FWMW-4 TCE, DCE and VC Results ( $\mu\text{g/L}$ , log scale), April 2012 to October 2024.

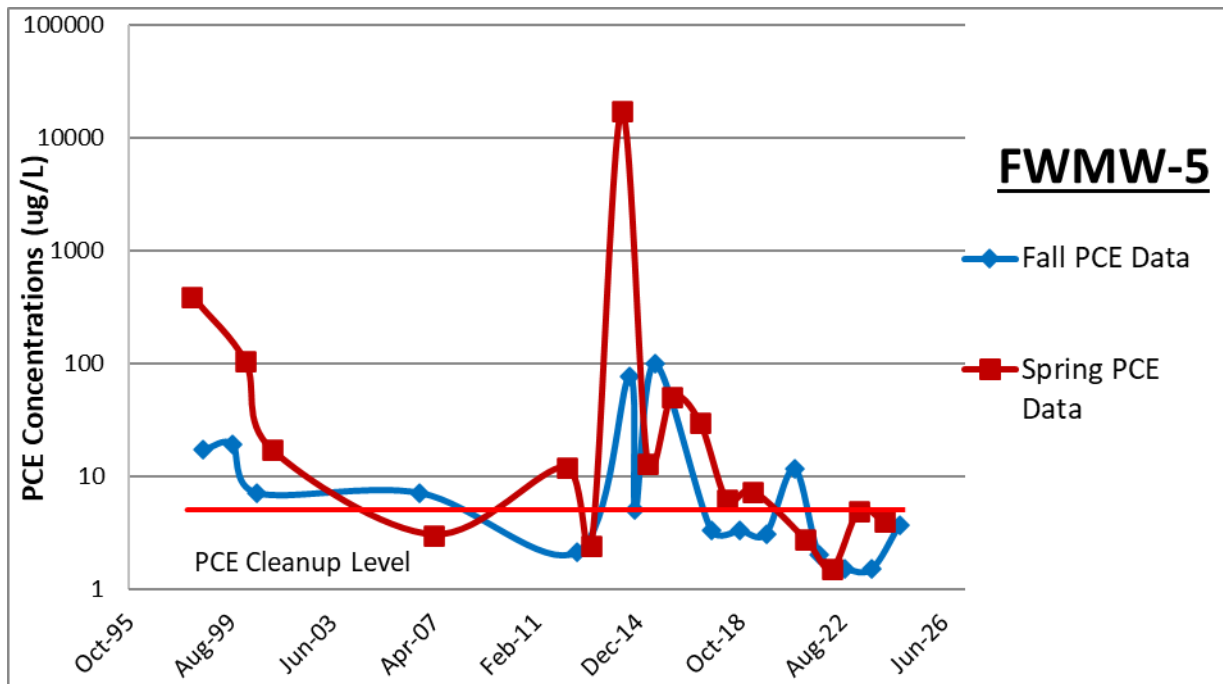


Figure 31. Frank Wear Well FWMW-5 PCE Results ( $\mu\text{g/L}$ , log scale), December 1997 to October 2024.

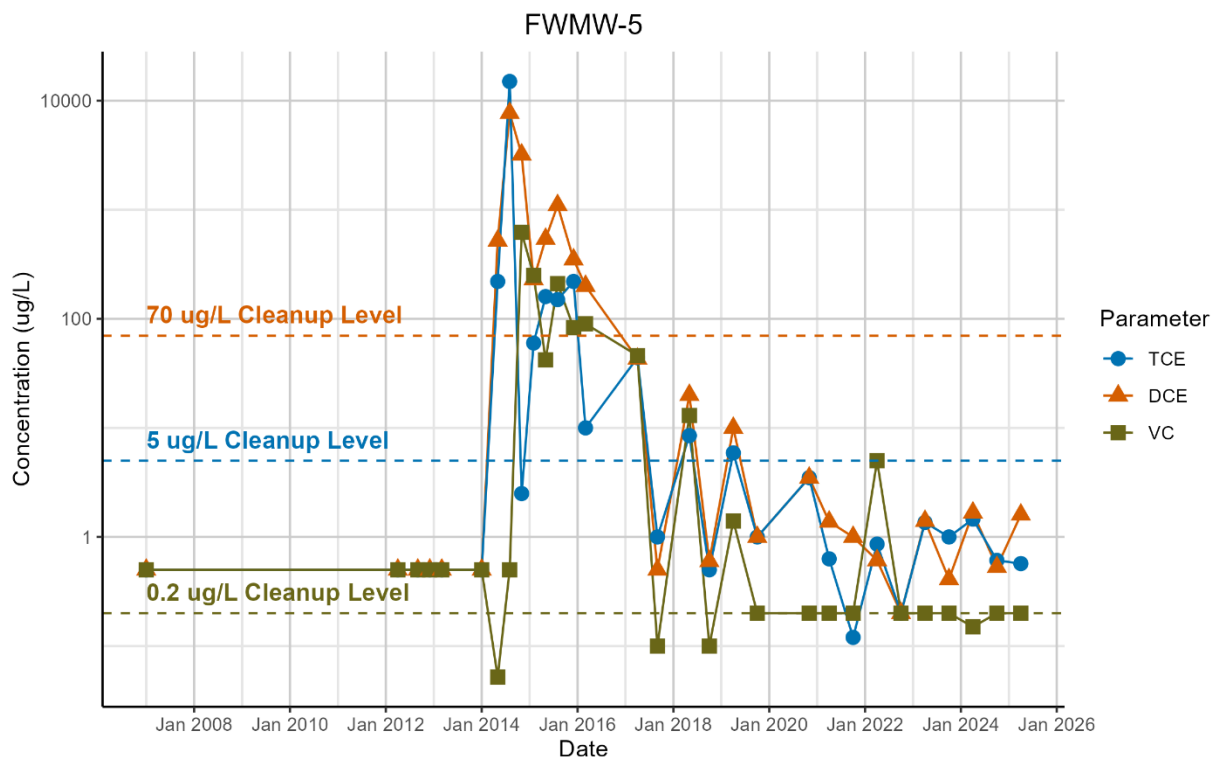


Figure 32. Frank Wear Well FWMW-5 TCE, DCE and VC Results ( $\mu\text{g/L}$ , log scale), January 2007 to October 2024.

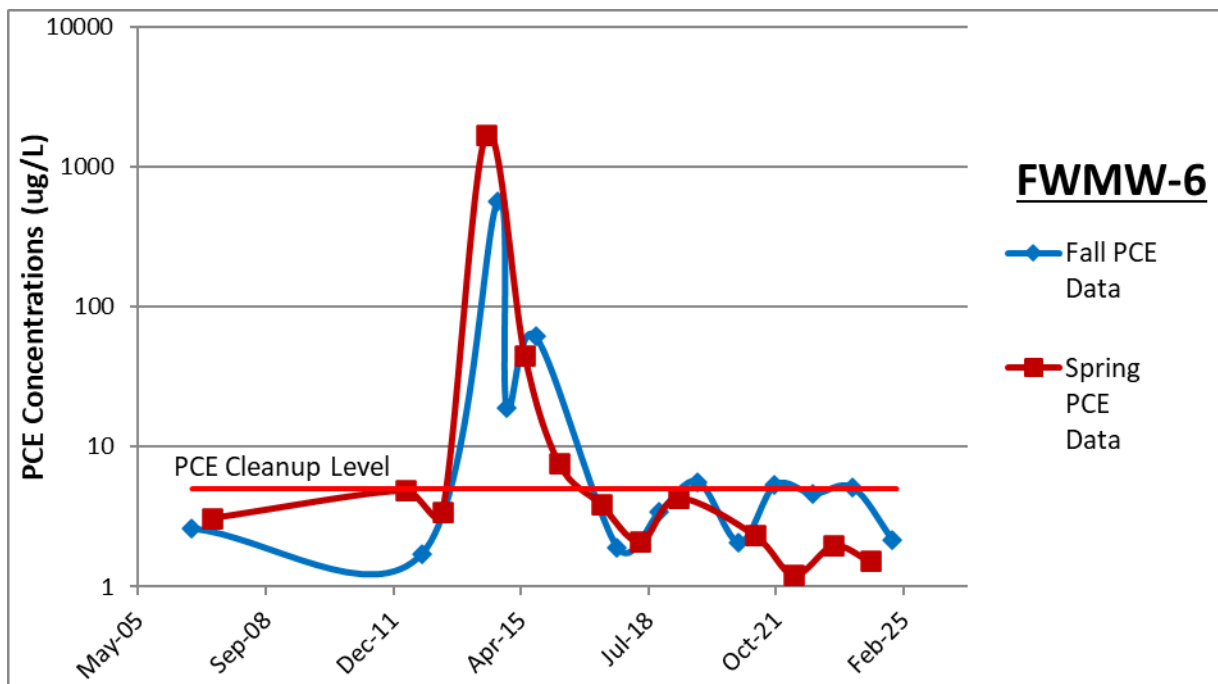


Figure 33. Frank Wear Well FWMW-6 PCE Results ( $\mu\text{g/L}$ , log scale), July 2005 to October 2024.

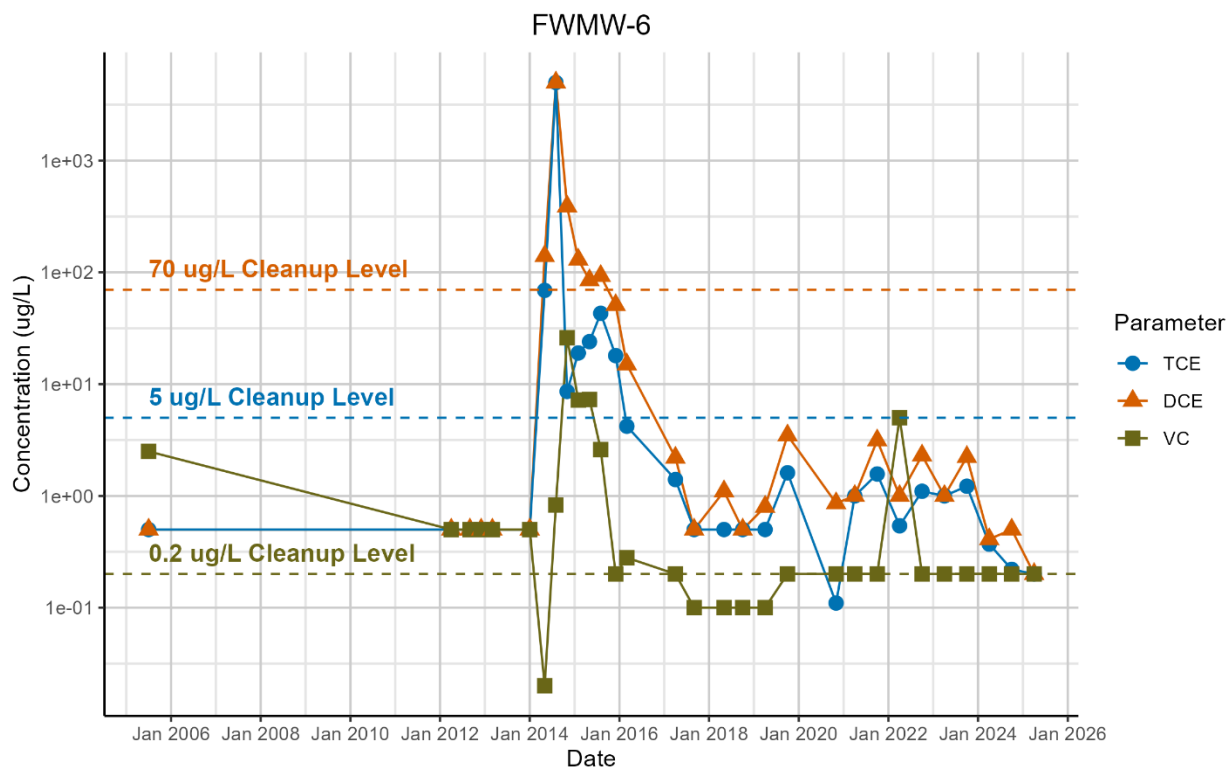


Figure 34. Frank Wear Well FWMW-6 TCE, DCE and VC Results ( $\mu\text{g/L}$ , log scale), July 2005 to October 2024.

**Table 37. Summary of Analytical Results (µg/L) for Shallow Well FWMW-10, July 2005 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
7/2005	25100	8.3	5.4	5 U
10/2006	6900	—	—	—
1/2007	43500	12	2.3	1 U
4/2007	9200	—	—	—
4/2012	1800	1	14	1 U
6/2012	—	—	—	—
9/2012	11000	1.8	1.2	1 U
12/2012	44000	7.5	3	1 U
3/2013	1100	1 U	2.7	1 U
1/2014	3300	1 U	1 U	1 U
5/2014	1900	470	900	0.18
8/2014	3000	5500	5700	2 U
11/2014	370	190	3600	400
2/2015	2000	290	620	70
5/2015	2200	780	940	71
8/2015	330	320	880	28
12/2015	5200	850	990	110
3/2016	3400	500	340	16
4/2017	9110	1160	1510	358
5/2018	2870	3910	719	208
10/2018	2400 J	3450 J	410 J	118 J
4/2019	—	1715 J	417.5 J	135.5 J
10/2019	5280 J	1460 J	150	62.25 J
4/2020	—	—	—	—
11/2020	21800	362	200	71 J
4/2021	5600	434	118	54.8
10/2021	6270	192	69.4 J	62.3 J

Date	PCE	TCE	Cis-DCE	VC
4/2022	<b>3060</b>	<b>103</b>	<b>60.9</b>	<b>22.6</b>
10/2022	<b>4500 J</b>	<b>97 J</b>	<b>42 J</b>	20 UJ
4/2023	<b>10400</b>	<b>162</b>	<b>84.3</b>	<b>28.5</b>
10/2023	<b>4610J</b>	<b>87.2</b>	<b>35.5</b>	<b>15.6</b>
4/2024	<b>12400</b>	<b>165</b>	<b>68.1</b>	<b>32.1</b>
10/2024	<b>4260</b>	<b>87.3 J</b>	<b>33.3</b>	<b>13.2</b>
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

ND: Analyte was not detected.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to May 2018 PCE results from FWMW-10)

**Table 38. Summary of Analytical Results (µg/L) for Shallow Well FWMW-16, July 2005 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/2012	36	1 U	1 U	1 U
9/2012	63	1 U	1 U	1 U
12/2012	110	1 U	1 U	1 U
3/2013	93	1 U	1 U	1 U
1/2014	84	1 U	1 U	1 U
5/2014	73	0.21	0.1 U	0.02 U
8/2014	52	0.13	0.1 U	0.02 U
11/2014	70	0.15	0.1 U	0.02 U
2/2015	78	0.2 U	0.2 U	0.02 U
5/2015	100	0.23	0.73	0.02 U
8/2015	72	0.21	0.57	0.073
12/2015	66	0.2 U	1	0.02 U
3/2016	71	20 U	20 U	2 U
4/2017	28	12	52	54 J
5/2018	35	3.2	3.4	5
10/2018	12	6.5	2.6	6.1
4/2019	4	9	8.5	25 J
10/2019	28 J	5.7	6.4	2.9 J
4/2020	—	—	—	—
11/2020	20	5.9	16	19.8 J
4/2021	34.9	20.1	35.9	28.2
10/2021	39.6	6.63	47.2	8.86
4/2022	29.6 J	16.5	44.5	5 UJ
10/2022	44 J	5.1 J	51 J	6.1 J
4/2023	61.3	7.88	62.7	12.6
10/2023	53.8	5.56	67.9	14.9 J
4/2024	61.1	7.38	91.4	20.9
10/2024	53.5	6.06	76.2	9.03
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride  
 U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately measure the analyte in the sample.

ND: Analyte was not detected.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

**Table 39. Summary of Analytical Results (µg/L) for Shallow Well FWMW-20, July 2005 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/2012	16	1 U	1 U	1 U
9/2012	9.2	1 U	1 U	1 U
12/2012	7	1 U	1 U	1 U
3/2013	10	1 U	1 U	1 U
1/2014	5.8	1 U	1 U	1 U
5/2014	610	49	110	0.02 U
8/2014	84	35	78	0.02 U
11/2014	200	16	170	3.8
2/2015	37	19	160	14
5/2015	71	26	180	7.5
8/2015	340	23	95	2.1
12/2015	310	29	120	1.1
3/2016	29	17	64	0.86
4/2017	136	25	53	2 U
5/2018	113	35	26	15
10/2018	102	38	273	197
4/2019	181	36 J	56	17
10/2019	5105 J	4545 J	694	249 J
4/2020	—	—	—	—
11/2020	15800	2000	598	323 J
4/2021	10100	1460	512	124
10/2021	16200	657	268	98.9 J
4/2022	1880	511	334	56.5
10/2022	20000 J	640 J	300 J	100 UJ
4/2023	7410	564	301	50
10/2023	22000 J	407	207	51.4
4/2024	18200	370	184	19.4

Date	PCE	TCE	Cis-DCE	VC
10/2024	<b>17000</b>	<b>401 J</b>	<b>191</b>	<b>35.1</b>
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

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ND: Analyte was not detected.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

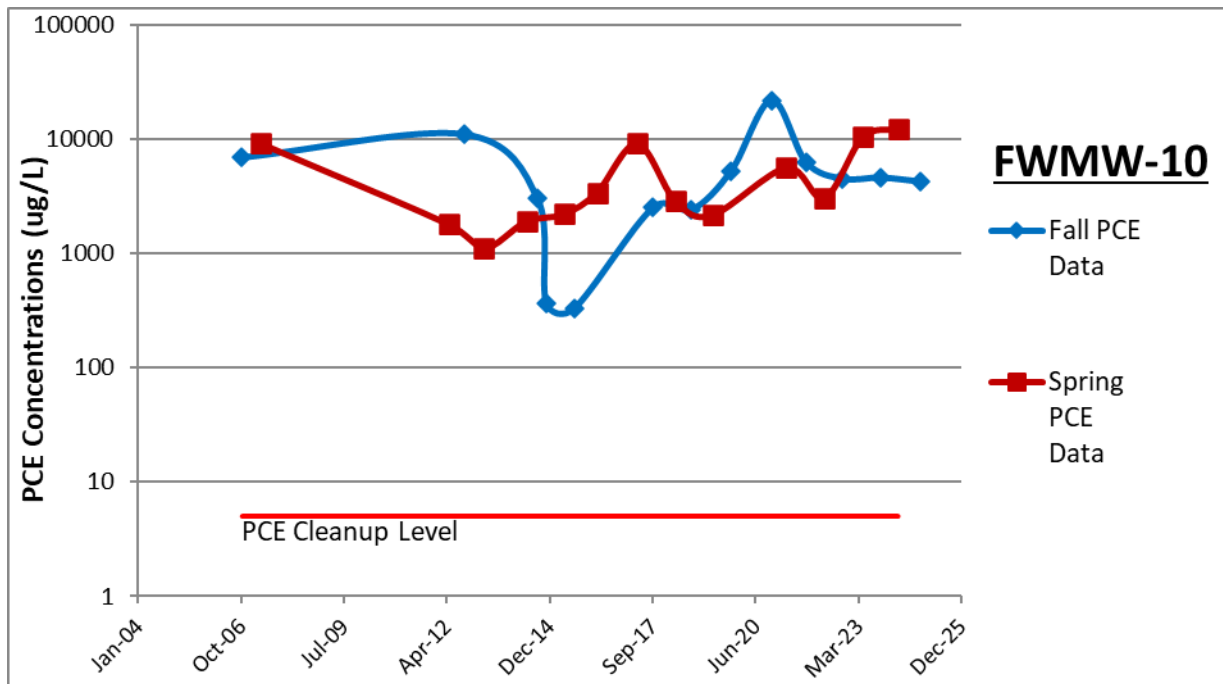


Figure 35. Frank Wear Well FWMW-10 PCE Results ( $\mu\text{g/L}$ , log scale), July 2005 to October 2024.

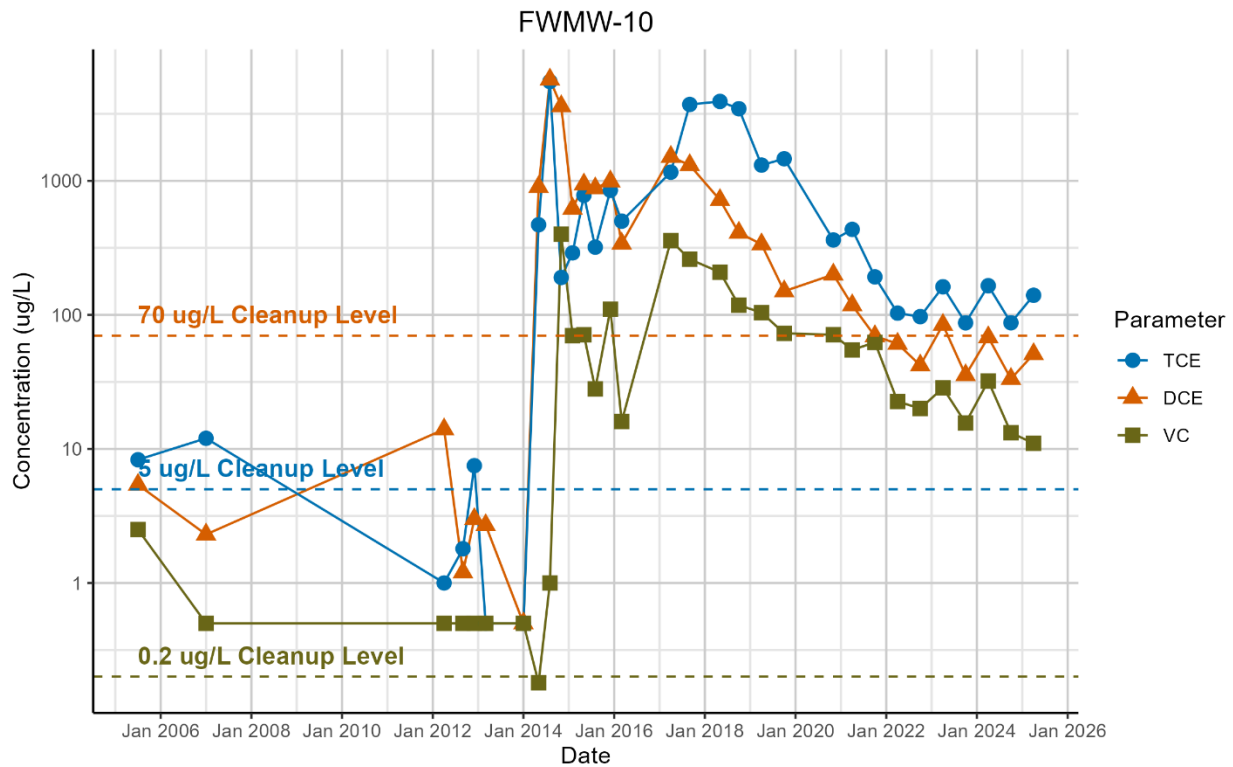


Figure 36. Frank Wear Well FWMW-10 TCE, DCE and VC Results ( $\mu\text{g/L}$ , log scale), July 2005 to October 2024.

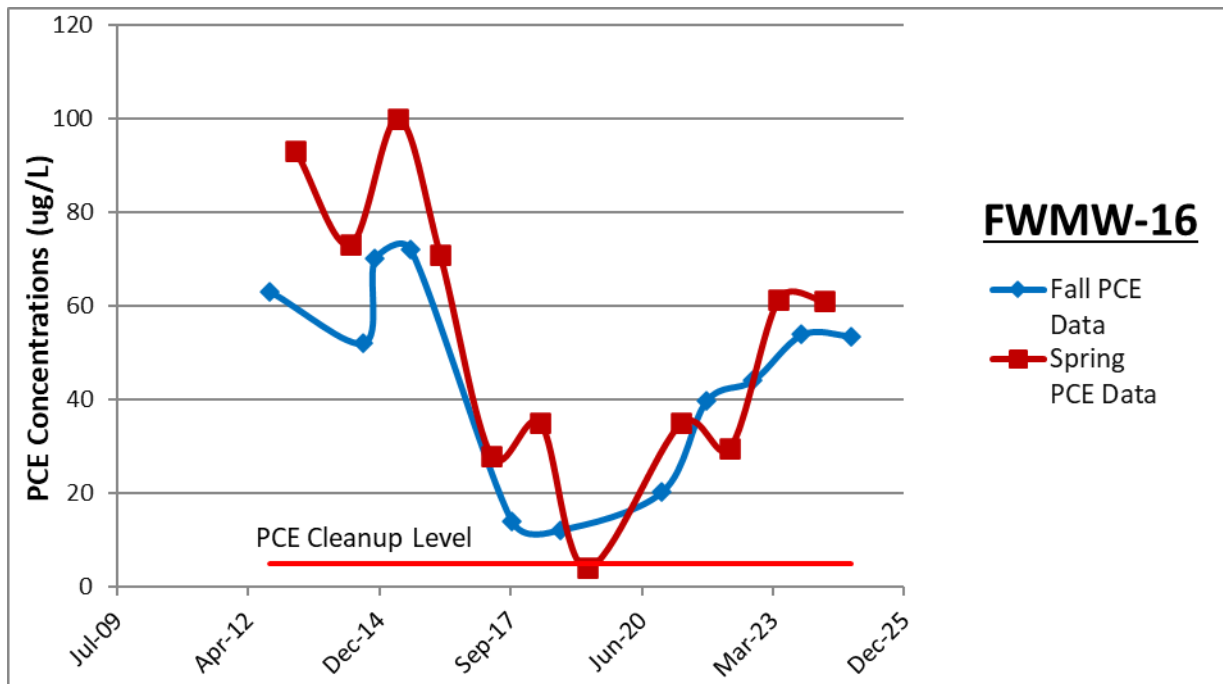


Figure 37. Frank Wear Well FWMW-16 PCE Results (µg/L), June 2012 to October 2024.

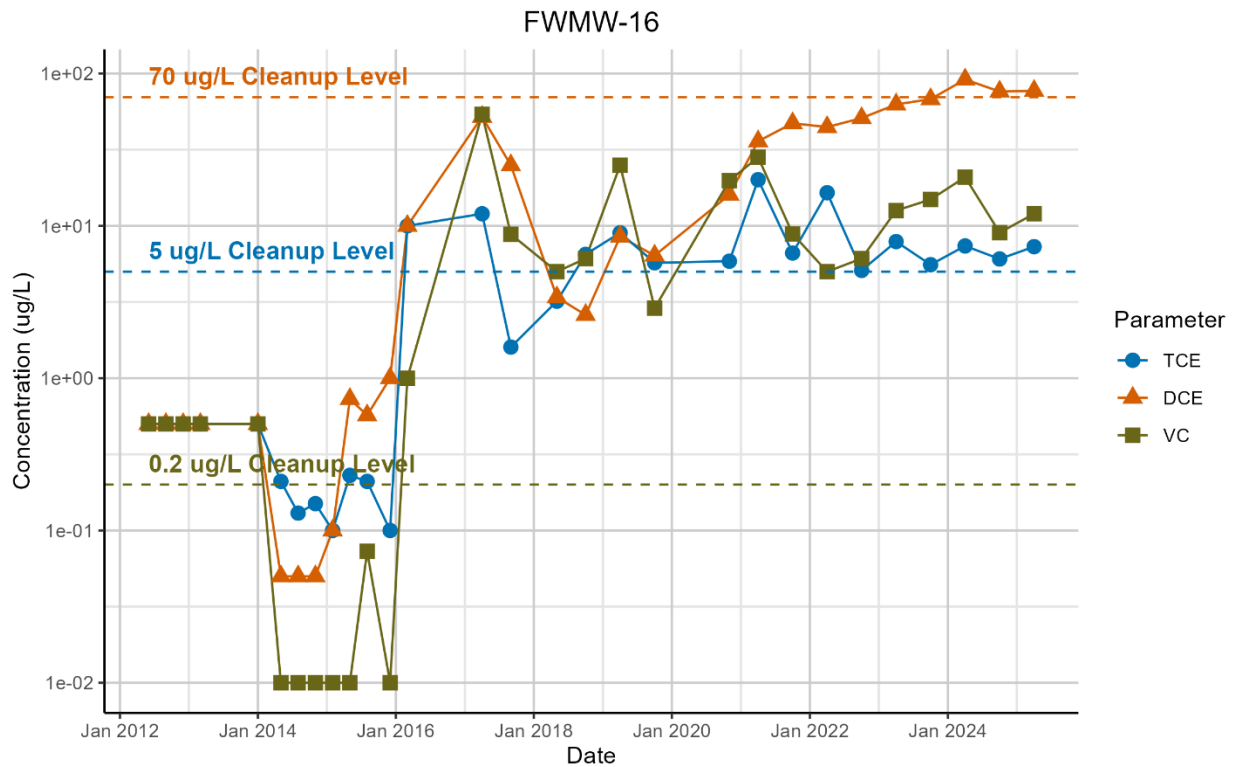


Figure 38. Frank Wear Well FWMW-16 TCE, DCE and VC Results (µg/L, log scale), June 2012 to October 2024.

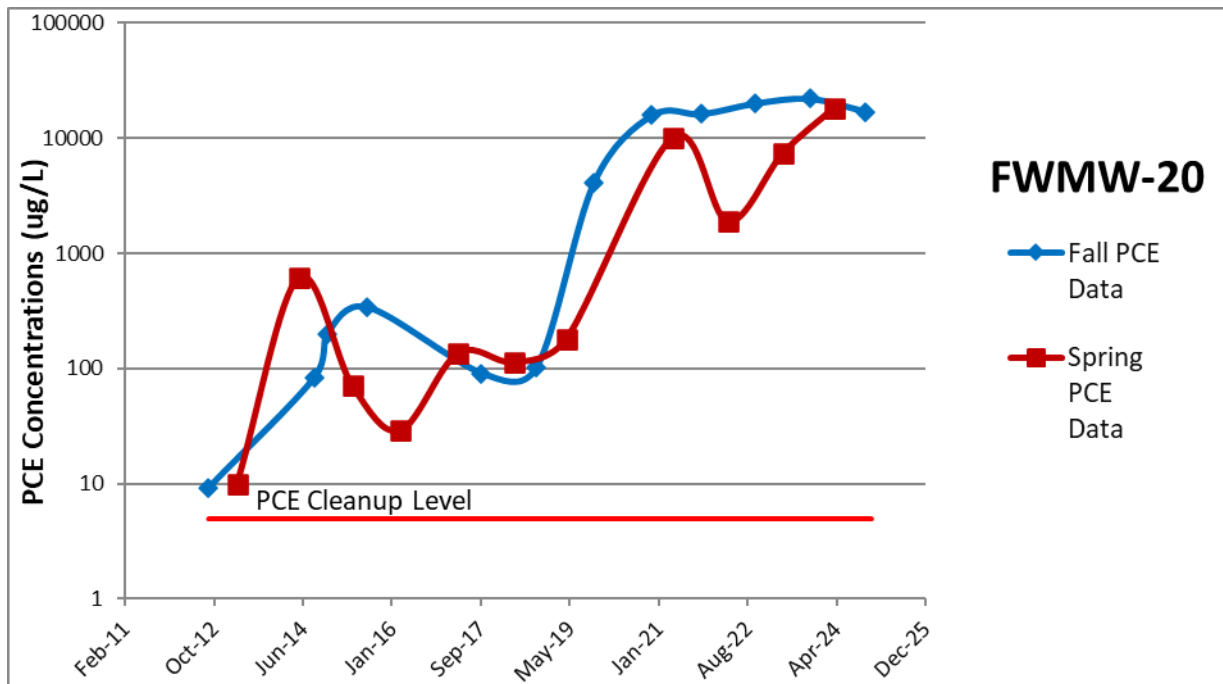


Figure 39. Frank Wear Well FWMW-20 PCE Results ( $\mu\text{g/L}$ , log scale), June 2012 to October 2024.

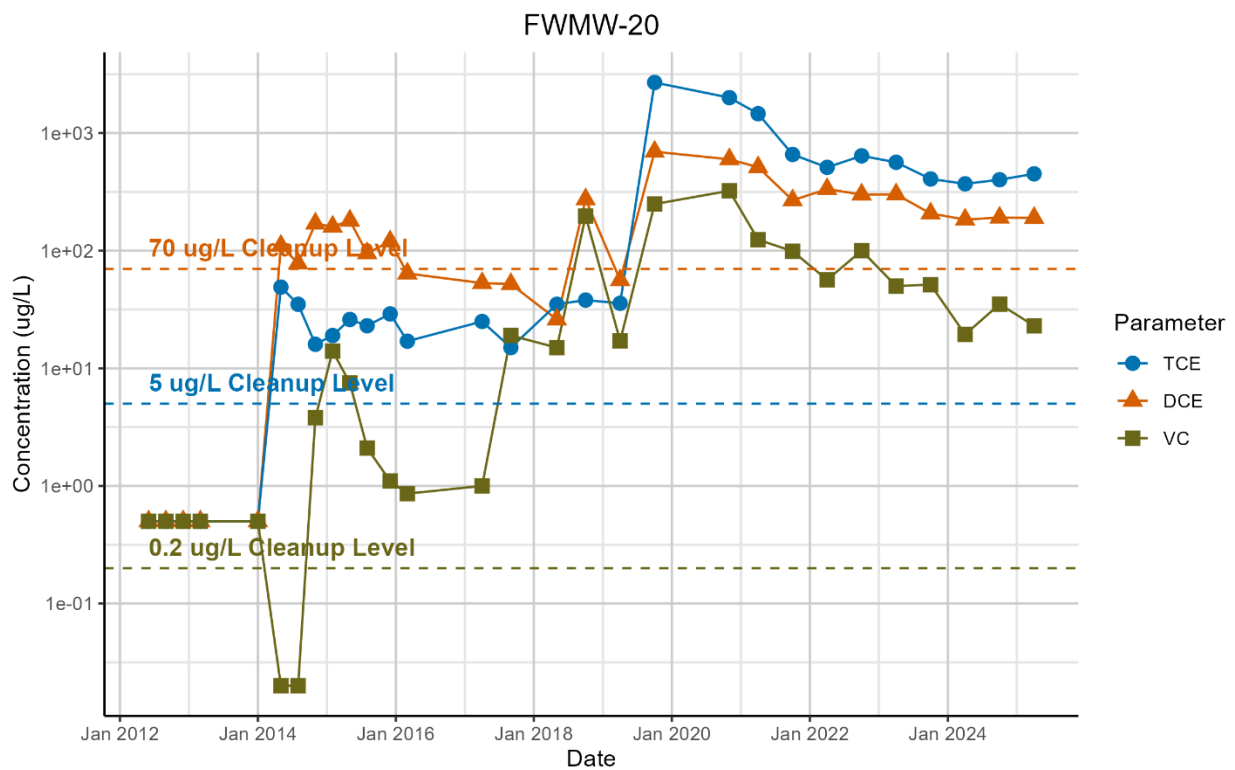


Figure 40. Frank Wear Well FWMW-20 TCE, DCE and VC Results ( $\mu\text{g/L}$ , log scale), June 2012 to October 2024.

**Table 40. Summary of Analytical Results (µg/L) for Shallow Well FWMW-24, June 2012 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/2012	<b>130</b>	1 U	1 U	1 U
9/2012	<b>110</b>	1 U	1 U	1 U
12/2012	<b>170</b>	1 U	1 U	1 U
3/2013	<b>75</b>	1 U	1 U	1 U
1/2014	<b>34</b>	1 U	1 U	1 U
5/2014	<b>1000</b>	<b>140</b>	<b>330</b>	<b>0.024</b>
8/2014	<b>61</b>	<b>59</b>	<b>150</b>	0.02 U
11/2014	<b>27</b>	<b>18</b>	<b>440</b>	<b>21</b>
2/2015	<b>20</b>	<b>12</b>	<b>100</b>	<b>3</b>
5/2015	<b>32</b>	<b>17</b>	<b>120</b>	<b>13</b>
8/2015	<b>19</b>	<b>6.6</b>	<b>23</b>	<b>2</b>
12/2015	<b>82</b>	<b>37</b>	<b>130</b>	<b>12</b>
3/2016	<b>11</b>	<b>19</b>	<b>140</b>	<b>4.4</b>
4/2017	<b>81</b>	<b>27</b>	<b>40</b>	2 U
9/2017	<b>59 J</b>	<b>8.7</b>	<b>11</b>	0.2 UJ
5/2018	<b>51</b>	<b>12 J</b>	<b>25 J</b>	0.2 UJ
10/2018	<b>71</b>	<b>8.7 J</b>	<b>5.2 J</b>	0.2 UJ
4/2019	<b>53 J</b>	<b>8.9 J</b>	<b>13 J</b>	0.2 U
10/2019	<b>79 J</b>	<b>4.8</b>	<b>2.7</b>	0.2 U
4/2020	—	—	—	—
11/2020	<b>132</b>	<b>3.4</b>	<b>3.1 NJ</b>	0.2 U
4/2021	<b>34.9</b>	<b>3.65</b>	<b>4.37</b>	0.2 U
10/2021	<b>63.3</b>	<b>2.19</b>	<b>1.29</b>	0.2 U
4/2022	<b>23.4 J</b>	<b>2.36</b>	<b>1.7</b>	5 UJ
10/2022	<b>50 J</b>	<b>1.1 J</b>	<b>0.66 J</b>	0.4 UJ
4/2023	<b>28.4</b>	<b>1.32</b>	<b>0.77 J</b>	0.2 U
10/2023	<b>53.3</b>	<b>1.15</b>	<b>1.14 J</b>	0.2 U
4/2024	<b>46.8</b>	<b>1.69</b>	<b>1.24</b>	0.2 U
10/2024	<b>54.3</b>	<b>1.14</b>	<b>0.82 J</b>	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues.

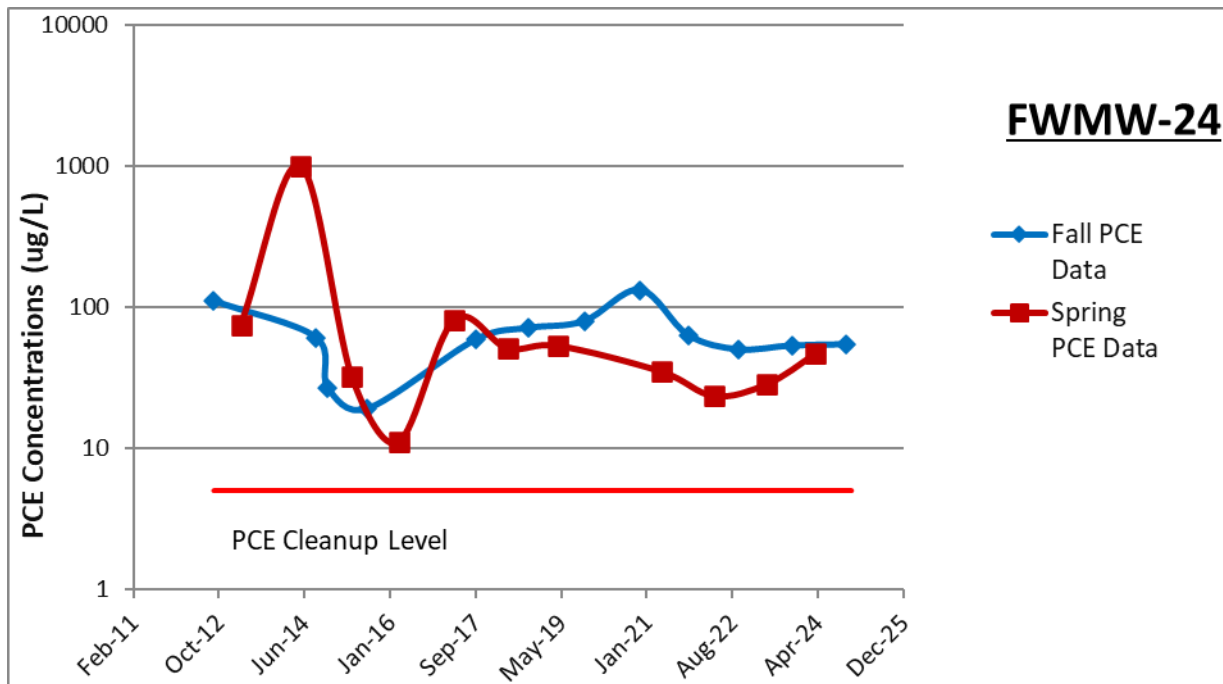


Figure 41. Frank Wear Well FWMW-24 PCE Results ( $\mu\text{g/L}$ , log scale), June 2012 to October 2024.

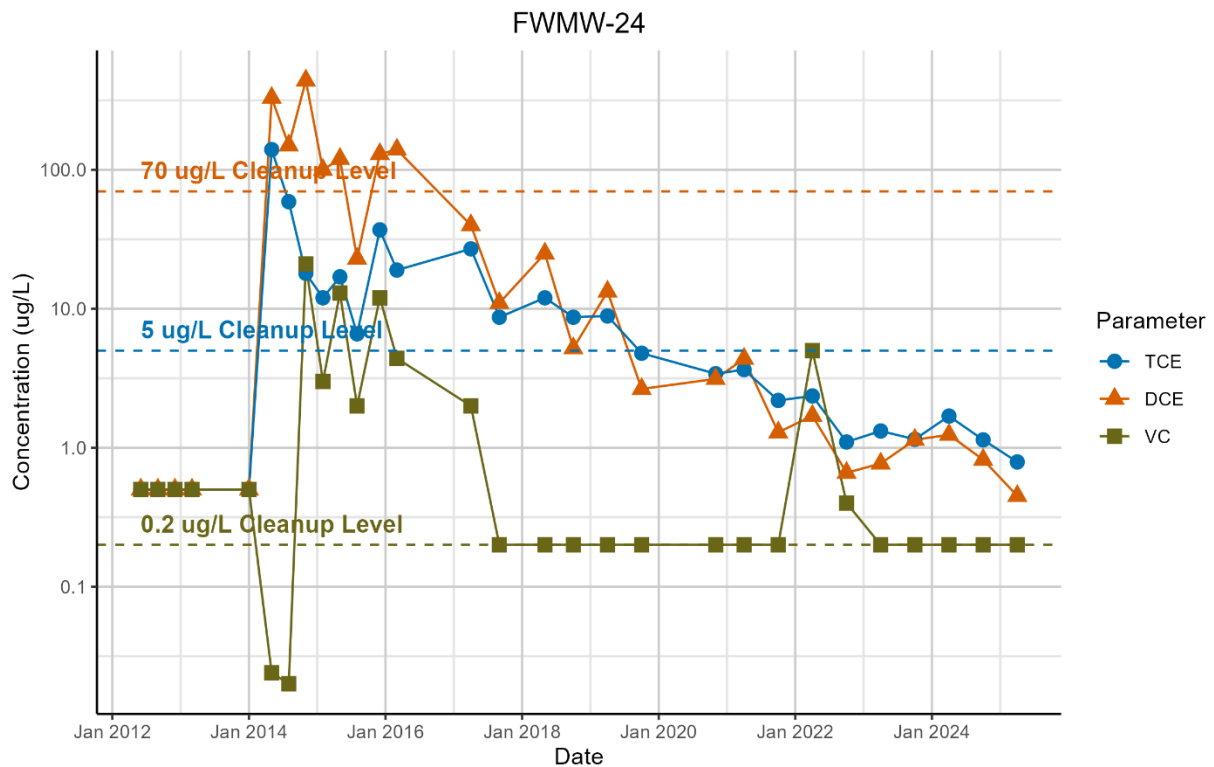


Figure 42. Frank Wear Well FWMW-24 TCE, DCE and VC Results ( $\mu\text{g/L}$ , log scale), June 2012 to October 2024.

**Table 41. Summary of Analytical Results (µg/L) for Deep Well FWMW-17, June 2012 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/2012	1 U	1 U	1 U	1 U
9/2012	1 U	1 U	1 U	1 U
12/2012	1 U	1 U	1 U	1 U
3/2013	<b>1.1</b>	1 U	1 U	1 U
1/2014	1 U	1 U	1 U	1 U
5/2014	<b>0.19</b>	0.1 U	0.1 U	0.02 U
8/2014	<b>0.17</b>	0.1 U	0.1 U	0.02 U
11/2014	0.1 U	0.1 U	<b>0.52</b>	0.02 U
2/2015	0.5 U	0.2 U	0.2 U	<b>0.086</b>
5/2015	0.5 U	0.2 U	<b>1.9</b>	0.02 U
8/2015	5 U	2 U	2 U	0.2 U
12/2015	<b>2</b>	<b>0.2</b>	<b>1.9</b>	0.02 U
3/2016	100 U	40 U	40 U	4 U
4/2017	<b>0.66 J</b>	<b>0.82 J</b>	<b>0.82 J</b>	0.2 U
9/2017	<b>0.64 J</b>	1 U	1 U	0.2 U
5/2018	1 U	<b>0.66 J</b>	<b>0.95 J</b>	0.2 U
10/2018	<b>0.66 J</b>	1 U	1 U	0.2 U
4/2019	1 U	1 U	1 U	0.2 U
10/2019	1 U	1 U	1 U	0.2 UJ
4/2020	—	—	—	—
11/2020	<b>0.42 J</b>	1 U	1 UJ	0.2 U
4/2021	1 U	1 U	1 U	0.2 U
10/2021	<b>0.65 J</b>	1 U	1 U	0.2 U
4/2022	<b>0.39 B</b>	1 U	1 U	5 UJ
10/2022	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	1 U	1 U	1 U	1 U
10/2023	<b>0.17 NJ</b>	1 U	1 U	0.2 U
4/2024	<b>0.62 UJ</b>	1 U	1 U	0.2 U
10/2024	<b>0.37 UJ</b>	1 U	1 U	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

B: Sample collected after an equipment blank or transport blank that reported concentrations of analytes.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because the well was not sampled

**Table 42. Summary of Analytical Results (µg/L) for Deep Well FWMW-18, June 2012 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/2012	1.2	1 U	1 U	1 U
9/2012	5.7	1 U	1 U	1 U
12/2012	1.1	1 U	1 U	1 U
3/2013	1 U	1 U	1 U	1 U
1/2014	1 U	1 U	1 U	1 U
5/2014	0.56	0.1 U	0.1 U	0.02 U
8/2014	0.34	0.15	0.11	0.02 U
11/2014	0.31	0.1 U	0.44	0.02 U
2/2015	0.5 U	0.2 U	2.1	0.02 U
5/2015	0.5 U	0.2 U	0.42	2.9
8/2015	0.5 U	0.2 U	0.2 U	0.02 U
12/2015	0.5 U	0.2 U	0.23	0.02 U
3/2016	0.5 U	0.2 U	0.55	0.02 U
4/2017	0.56 J	1.5	2.3	0.2 U
9/2017	0.58 J	1.6	1 U	0.2 U
5/2018	0.68 J	3.1	1.1	0.2 U
10/2018	1.4 J	4.1	0.78 J	0.2 U
4/2019	1.8 J	1.3 J	1 UJ	0.2 UJ
10/2019	2.3	1.4	1 U	0.2 UJ
4/2020	—	—	—	—
11/2020	2.9	0.58 J	1 UJ	0.2 U
4/2021	2.81	0.41 J	1 U	0.2 U
10/2021	1.4 J	0.59 J	1 U	0.2 U
4/2022	1.17 B	0.67 J	1 U	5 UJ
10/2022	0.9 J	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	0.92J	1 U	1 U	0.2 U
10/2023	1.6	0.21 J	1 U	0.2 U
4/2024	1.4 U	0.43 NJ	0.35 J	0.2 U
10/2024	5.18	1.33	0.37 J	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

B: Sample collected after an equipment blank or transport blank that reported concentrations of analytes.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because the well was not sampled.

**Table 43. Summary of Analytical Results (µg/L) for Deep Well FWMW-19, June 2012 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/2012	1 U	1 U	1 U	1 U
9/2012	1 U	1 U	1 U	1 U
12/2012	1 U	1 U	1 U	1 U
3/2013	1 U	1 U	1 U	1 U
1/2014	1 U	1 U	1 U	1 U
5/2014	<b>0.12</b>	0.1 U	0.1 U	0.02 U
8/2014	0.1 U	0.1 U	0.1 U	0.02 U
11/2014	<b>0.11</b>	0.1 U	0.1 U	0.02 U
2/2015	0.5 U	0.2 U	0.2 U	0.02 U
5/2015	0.5 U	0.2 U	0.2 U	0.02 U
8/2015	<b>0.62</b>	<b>0.37</b>	<b>0.54</b>	0.02 U
12/2015	0.5 U	0.2 U	0.2 U	0.02 U
3/2016	0.5 U	0.2 U	0.2 U	<b>0.053</b>
4/2017	1 U	1 U	1 U	0.2 U
9/2017	1 U	1 U	1 U	0.2 U
5/2018	1 U	1 U	1 U	0.2 U
10/2018	<b>0.59 J</b>	1 U	1 U	0.2 U
4/2019	1 UJ	1 UJ	1 UJ	0.2 UJ
10/2019	1 U	1 U	1 U	0.2 UJ
4/2020	—	—	—	—
11/2020	<b>0.37 J</b>	1 U	1 UJ	0.2 U
4/2021	1 U	1 U	1 U	0.2 U
10/2021	<b>0.6 NJ</b>	1 U	1 U	0.2 U
4/2022	<b>0.33 B</b>	1 U	1 U	5 UJ
10/2022	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	1 U	1 U	1 U	0.2 U
10/2023	<b>0.19J</b>	1 U	1 U	0.2 U
4/2024	<b>0.55 UJ</b>	1 U	1 U	0.2 U
10/2024	<b>0.31 UJ</b>	1 U	1 U	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

B: Sample collected after an equipment blank or transport blank that reported concentrations of analytes.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because the well was not sampled.

## 8. YRRA Remedial Investigation Wells

**Table 44. Summary of Analytical Results (µg/L) for RI-3S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/1999	<b>0.72 J</b>	0.15 U	0.1 U	0.14 U
9/1999	<b>1.72</b>	0.15 U	0.1 U	0.14 U
12/1999	<b>2.43</b>	0.15 U	<b>1.09</b>	0.14 U
3/2000	<b>0.33 J</b>	0.15 U	0.1 U	0.14 U
6/2000	<b>2</b>	<b>0.34</b>	<b>0.54</b>	0.14 U
8/2000	<b>2.2</b>	<b>0.39</b>	<b>0.69</b>	0.14 U
12/2000	<b>1.7</b>	<b>0.24</b>	<b>0.83</b>	0.14 U
3/2001	<b>0.3</b>	0.15 U	0.1 U	0.14 U
9/2001	<b>1.7</b>	<b>0.39</b>	<b>0.36</b>	<0.2
3/2002	<b>1.2</b>	<b>0.24</b>	<b>0.4</b>	<0.2
9/2002	<b>1.1</b>	<b>0.22</b>	<b>0.32</b>	<0.2
3/2003	<b>0.68</b>	<0.2	<b>0.35</b>	<0.2
9/2003	<b>1.6</b>	<b>0.26</b>	<0.2	<0.2
3/2004	<b>0.21</b>	<0.2	<0.2	<0.2
10/2004	<b>0.92</b>	<b>0.23</b>	<0.2	<0.2
3/2005	<b>4.7</b>	<0.2	<0.2	<0.2
10/2005	—	—	—	—
12/2005	<b>1</b>	<0.2	<0.2	<0.2
4/2006	<b>0.25</b>	<0.2	<0.2	<0.2
10/2006	<b>0.75</b>	<0.2	<0.2	<0.2
4/2007	<b>1.4</b>	<b>0.22</b>	<b>0.29</b>	<0.2
10/2007	<b>0.61</b>	<0.2	<0.2	<0.2
4/2008	<b>0.29</b>	<0.2	<0.2	<0.2
10/2008	<b>1.2</b>	1 U	1 U	0.2 U
4/2009	<b>1.2</b>	1 U	1 U	0.2 U
10/2009	1 U	1 U	1 U	0.2 U
4/2010	1 U	1 U	1 U	1 U
6/2011	<b>2.5</b>	1 U	1 U	0.2 U
10/2011	<b>0.59</b>	0.2 U	0.2 U	0.2 U
4/2012	0.2 U	0.2 U	0.2 U	0.2 U
10/2012	<b>0.47</b>	0.2 U	0.2 U	0.2 U
5/2013	1 U	1 U	1 U	1 U
10/2013	<b>0.88 J</b>	1 U	1 U	1 U
4/2014	<b>0.74 J</b>	1 U	1 U	1 U
10/2014	<b>0.82 J</b>	1 U	1 U	0.2 U
4/2015	<b>0.73 J</b>	1 U	1 U	0.2 U
4/2016	<b>0.33 J</b>	1 U	1 U	0.2 U
4/2017	<b>0.86 J</b>	1 U	1 U	0.2 U
5/2018	1 U	1 U	1 U	0.2 U

Date	PCE	TCE	Cis-DCE	VC
4/2019	<b>0.51 J</b>	1 U	1 U	0.2 U
4/2021	<b>0.21 J</b>	1 U	1 U	0.2 U
4/2022	<b>0.3 B</b>	1 U	1 U	5 UJ
4/2023	1U	1U	1U	0.2U
4/2024	<b>0.55 UJ</b>	1 U	1 U	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: Analyte was not detected at or above the reported value.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because the well was not sampled.

**Table 45. Summary of Analytical Results (µg/L) for RI-4S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/1999	15.4	0.15 U	0.1 U	0.14 U
9/1999	13.7	0.15 U	0.1 U	0.14 U
12/1999	12.7	0.32 J	0.1 U	0.14 U
3/2000	12.2	0.15 U	0.1 U	0.14 U
6/2000	17	0.15 U	0.1 U	0.14 U
8/2000	11	0.15 U	0.1 U	0.14 U
12/2000	15	0.15 U	0.1 U	0.14 U
3/2001	14	0.15 U	0.1 U	0.14 U
9/2001	11	<0.2	<0.2	<0.2
3/2002	15	<0.2	<0.2	<0.2
9/2002	11	<0.2	<0.2	<0.2
3/2003	13	<0.2	<0.2	<0.2
9/2003	14	<0.2	<0.2	<0.2
3/2004	17	<0.2	<0.2	<0.2
10/2004	14	<0.2	<0.2	<0.2
3/2005	16	<0.2	<0.2	<0.2
10/2005	18	<0.2	<0.2	<0.2
12/2005	—	—	—	—
4/2006	14	<0.2	<0.2	<0.2
10/2006	11	<0.2	<0.2	<0.2
4/2007	13	<0.2	<0.2	<0.2
10/2007	11	<0.2	<0.2	<0.2
4/2008	13	<0.2	<0.2	<0.2
10/2008	11	1 U	1 U	0.2 U
4/2009	18	1 U	1 U	0.2 U
10/2009	13	1 U	1 U	0.2 U
4/2010	19	1 U	1 U	1 U
6/2011	25	1 U	1 U	0.2 U
10/2011	15	0.2 U	0.2 U	0.2 U
4/2012	11	0.2 U	0.2 U	0.2 U
10/2012	13	0.2 U	0.2 U	0.2 U
5/2013	18	1 U	1 U	1 U
10/2013	18	1 U	1 U	1 U
4/2014	16 J	1 U	1 U	1 U
10/2014	16	1 U	1 U	0.2 U
4/2015	18 J	1 UJ	1 UJ	0.2 UJ
10/2015	—	—	—	—
4/2016	1	1 U	1 U	0.2 U
10/2016	—	—	—	—
4/2017	21	1 U	1 U	0.2 U
9/2017	—	—	—	—

Date	PCE	TCE	Cis-DCE	VC
5/2018	<b>16.6</b>	1 U	1 U	0.2 U
4/2019	<b>9.8</b>	1 U	1 U	0.2 U
4/2021	<b>12.6</b>	1 U	1 U	0.2 U
10/2021	—	—	—	—
4/2022	<b>12</b>	1 U	1 U	5 UJ
10/2022	—	—	—	—
4/2023	<b>19.1</b>	1 U	1 U	0.2U
10/2023	—	—	—	—
4/2024	<b>21.5</b>	1 U	1 U	0.2 U
10/2024	—	—	—	—
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: Analyte was not detected at or above the reported value.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because the well was not sampled.

**Table 46. Summary of Analytical Results (µg/L) for RI-4D, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/1999	0.25 U	0.15 U	0.1 U	0.14 U
9/1999	<b>0.61 J</b>	0.15 U	0.1 U	0.14 U
12/1999	<b>1.72</b>	0.34 J	0.1 U	0.14 U
3/2000	<b>0.34 J</b>	0.15 U	0.1 U	0.14 U
6/2000	<b>1.1</b>	0.15 U	0.1 U	0.14 U
8/2000	<b>0.38</b>	0.15 U	0.1 U	0.14 U
12/2000	<b>0.52</b>	0.15 U	0.1 U	0.14 U
3/2001	<b>0.78</b>	0.15 U	0.1 U	0.14 U
9/2001	<b>0.98</b>	<0.2	<0.2	<0.2
3/2002	<b>1</b>	<0.2	<0.2	<0.2
9/2002	<b>1</b>	<0.2	<0.2	<0.2
3/2003	<b>1.1</b>	<0.2	<0.2	<0.2
9/2003	<b>1.3</b>	<0.2	<0.2	<0.2
3/2004	<b>1.4</b>	<0.2	<0.2	<0.2
10/2004	<b>1.4</b>	<0.2	<0.2	<0.2
3/2005	<b>3.2</b>	<0.2	<0.2	<0.2
10/2005	<b>1.8</b>	<0.2	<0.2	<0.2
12/2005	—	—	—	—
4/2006	<b>1.4</b>	<0.2	<0.2	<0.2
10/2006	<b>1.3</b>	<0.2	<0.2	<0.2
4/2007	<b>1.4</b>	<0.2	<0.2	<0.2
10/2007	<b>1.2</b>	<0.2	<0.2	<0.2
4/2008	<b>1.3</b>	<0.2	<0.2	<0.2
10/2008	<b>1.6</b>	1 U	1 U	0.2 U
4/2009	<b>1.3</b>	1 U	1 U	0.2 U
10/2009	<b>2</b>	1 U	1 U	0.2 U
4/2010	1 U	1 U	1 U	1 U
6/2011	<b>2.1</b>	1 U	1 U	0.2 U
10/2011	<b>0.73</b>	0.2 U	0.2 U	0.2 U
4/2012	<b>0.64</b>	0.2 U	0.2 U	0.2 U
10/2012	<b>0.89</b>	0.2 U	0.2 U	0.2 U
5/2013	<b>1</b>	1 U	1 U	1 U
10/2013	<b>1.1</b>	1 U	1 U	1 U
4/2014	<b>1.5 J</b>	1 U	1 U	1 U
10/2014	<b>1.2</b>	1 U	1 U	0.2 U
4/2015	<b>1.3 J</b>	1 UJ	1 UJ	0.2 UJ
10/2015	—	—	—	—
4/2016	<b>1.5</b>	1 U	1 U	0.2 U
10/2016	—	—	—	—
4/2017	<b>1.7</b>	1 U	1 U	0.2 U
9/2017	—	—	—	—

Date	PCE	TCE	Cis-DCE	VC
5/2018	<b>1.5</b>	1 U	1 U	0.2 U
10/2018	—	—	—	—
4/2019	<b>1.7</b>	1 U	1 U	0.2 U
10/2019	—	—	—	—
4/2021	<b>1.76</b>	1 U	1 U	0.2 U
10/2021	—	—	—	—
4/2022	<b>2.17</b>	1 U	1 U	5 UJ
10/2022	—	—	—	—
4/2023	<b>3.41</b>	1U	1U	0.2U
10/2023	—	—	—	—
4/2024	<b>3.98</b>	1 U	1 U	0.2 U
10/2024	—	—	—	—
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: Analyte was not detected at or above the reported value.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because the well was not sampled.

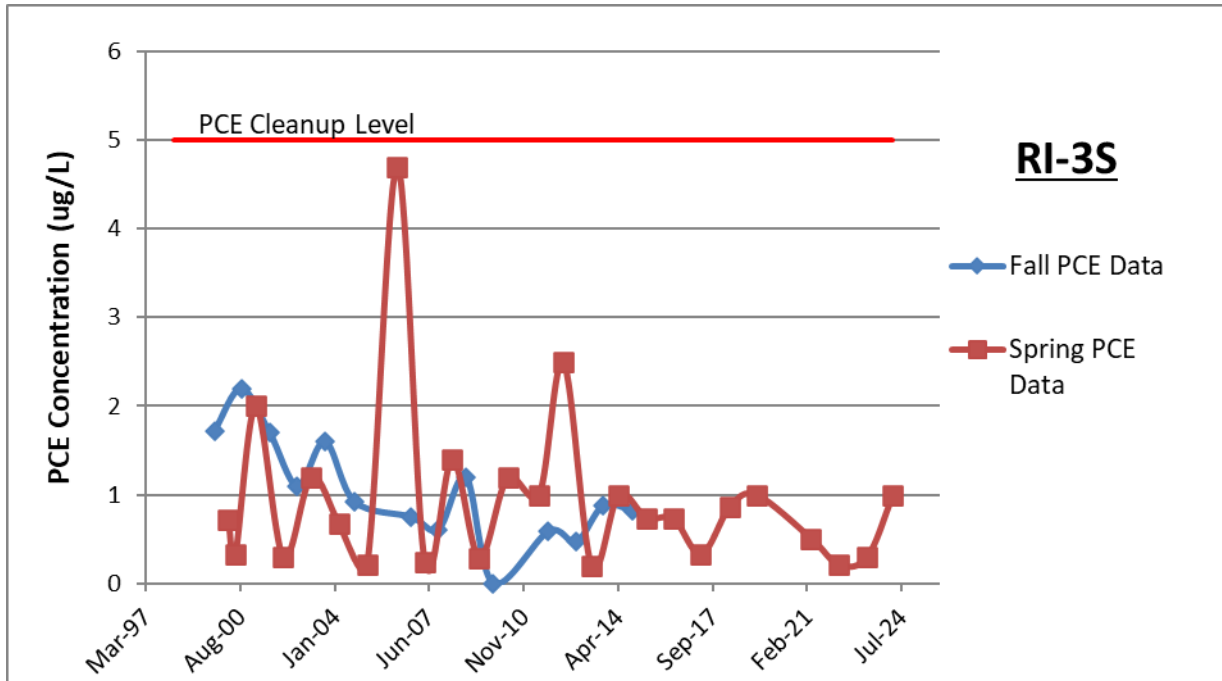


Figure 43. Remedial Investigation Well RI-3S PCE Results (µg/L), June 1999 to April 2024.

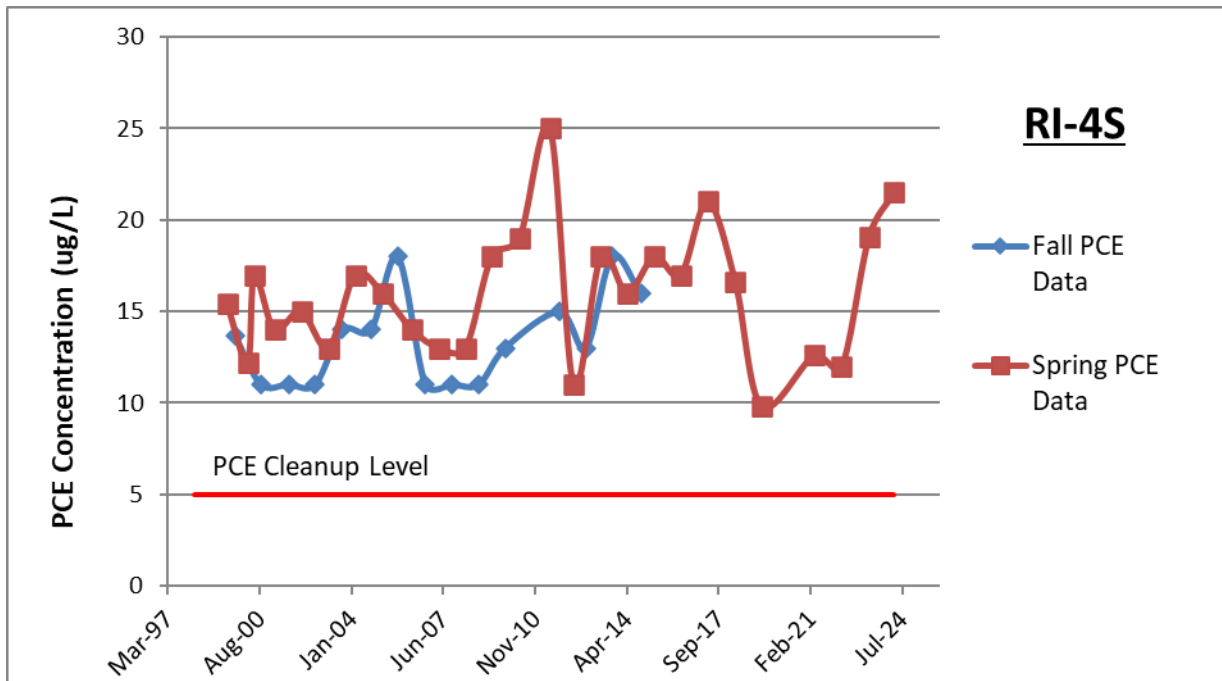


Figure 44. Remedial Investigation Well RI-4S PCE Results (µg/L), June 1999 to April 2024.

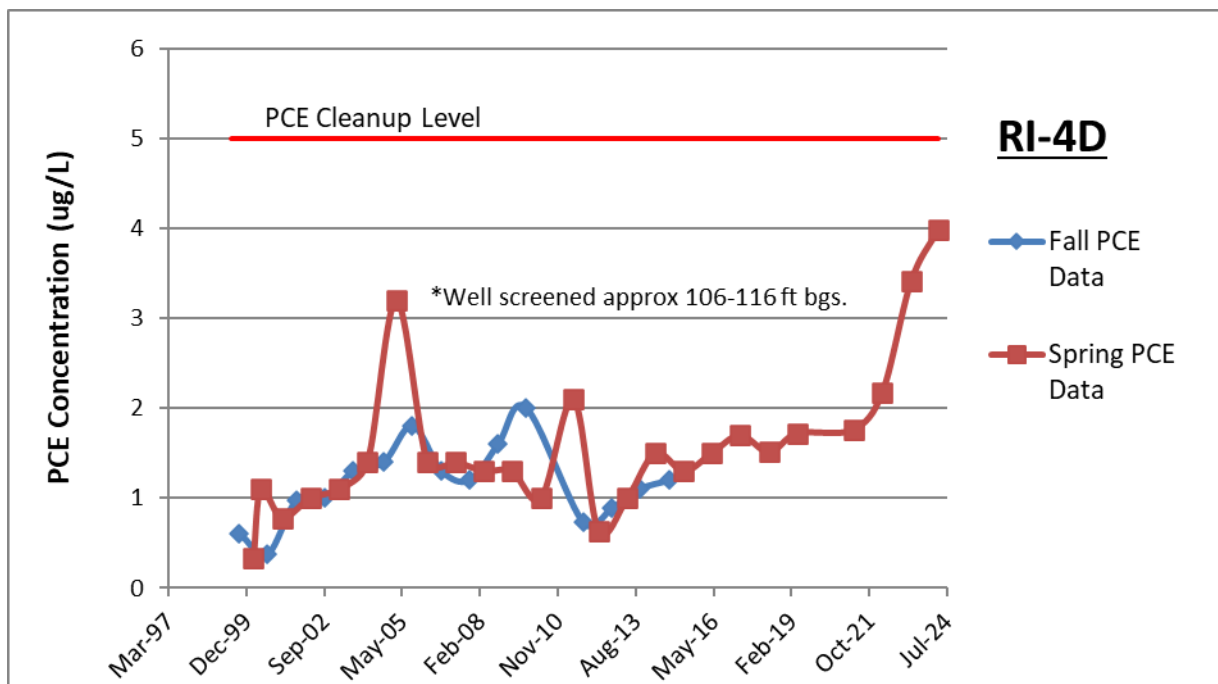


Figure 45. Remedial Investigation Well RI-4D PCE Results (µg/L), June 1999 to April 2024.

**Table 47. Summary of Analytical Results (µg/L) for RI-5S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/1999	0.8 J	0.15 U	0.1 U	0.14 U
9/1999	0.59 J	0.15 U	0.1 U	0.14 U
12/1999	<b>1.84</b>	0.15 U	0.1 U	0.14 U
3/2000	<b>1.47</b>	0.15 U	0.1 U	0.14 U
6/2000	<b>0.87</b>	0.15 U	0.1 U	0.14 U
8/2000	<b>0.66</b>	0.15 U	0.1 U	0.14 U
12/2000	<b>1.1</b>	0.15 U	0.1 U	0.14 U
3/2001	<b>1.2</b>	0.15 U	0.1 U	0.14 U
9/2001	<b>0.74</b>	<0.2	<0.2	<0.2
3/2002	<b>1.2</b>	<0.2	<0.2	<0.2
9/2002	<b>0.5</b>	<0.2	<0.2	<0.2
3/2003	<b>1.2</b>	<0.2	<0.2	<0.2
9/2003	<b>0.89</b>	<0.2	<0.2	<0.2
3/2004	<b>1.4</b>	<0.2	<0.2	<0.2
10/2004	<b>0.97</b>	<0.2	<0.2	<0.2
3/2005	<b>1.6</b>	<0.2	<0.2	<0.2
10/2005	—	—	—	—
12/2005	<b>0.66</b>	<0.2	<0.2	<0.2
4/2006	<b>0.61</b>	<0.2	<0.2	<0.2
10/2006	<b>0.76</b>	<0.2	<0.2	<0.2
4/2007	<b>0.76</b>	<0.2	<0.2	<0.2
10/2007	<b>1.1</b>	<0.2	<0.2	<0.2
4/2008	<b>1.3</b>	<0.2	<0.2	<0.2
10/2008	<b>1.3</b>	1 U	1 U	0.2 U
4/2009	1 U	1 U	1 U	0.2 U
10/2009	1 U	1 U	1 U	0.2 U
4/2010	<b>2.4</b>	1 U	1 U	1 U
6/2011	<b>2.4</b>	1 U	1 U	0.2 U
10/2011	<b>1.6</b>	0.2 U	0.2 U	0.2 U
4/2012	<b>2</b>	0.2 U	0.2 U	0.2 U
10/2012	<b>1.4</b>	0.2 U	0.2 U	0.2 U
5/2013	<b>2.4</b>	1 U	1 U	1 U
10/2013	<b>2.1</b>	1 U	1 U	1 U
4/2014	<b>3 J</b>	1 U	1 U	1 U
10/2014	<b>1.8</b>	1 U	1 U	0.2 U
4/2015	<b>3.3 J</b>	1 UJ	1 UJ	0.2 UJ
10/2015	—	—	—	—
4/2016	<b>2.9</b>	1 U	1 U	0.2 U
10/2016	—	—	—	—
4/2017	<b>4.2</b>	1 U	1 U	0.2 U
9/2017	—	—	—	—

Date	PCE	TCE	Cis-DCE	VC
5/2018	<b>3.3</b>	1 U	1 U	0.2 U
10/2018	—	—	—	—
4/2019	<b>2.3</b>	1 U	1 U	0.2 U
10/2019	—	—	—	—
4/2021	<b>3.11</b>	1 U	1 U	0.2 U
10/2021	—	—	—	—
4/2022	<b>2.73</b>	1 U	1 U	5 UJ
10/2022	—	—	—	—
4/2023	<b>3.99</b>	1U	1U	0.2UJ
10/2023	—	—	—	—
4/2024	<b>3.72 J</b>	1 U	1 U	0.2 U
10/2024	—	—	—	—
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: Analyte was not detected at or above the reported value.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because the well was not sampled.

**Table 48. Summary of Analytical Results (µg/L) for RI-5D, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/1999	0.25 U	0.15 U	0.1 U	0.14 U
9/1999	0.25 U	0.15 U	0.1 U	0.14 U
12/1999	<b>0.92 J</b>	0.15 U	0.1 U	0.14 U
3/2000	<b>0.62 J</b>	0.15 U	0.1 U	0.14 U
6/2000	<b>0.55</b>	0.15 U	0.1 U	0.14 U
8/2000	<b>0.43</b>	0.15 U	0.1 U	0.14 U
12/2000	<b>0.51</b>	0.15 U	0.1 U	0.14 U
3/2001	<b>0.51</b>	0.15 U	0.1 U	0.14 U
9/2001	<b>0.41</b>	<0.2	<0.2	<0.2
3/2002	<b>0.46</b>	<0.2	<0.2	<0.2
9/2002	<b>0.46</b>	<0.2	<0.2	<0.2
3/2003	<b>0.5</b>	<0.2	<0.2	<0.2
9/2003	<b>0.59</b>	<0.2	<0.2	<0.2
3/2004	<b>0.61</b>	<0.2	<0.2	<0.2
10/2004	<b>0.68</b>	<0.2	<0.2	<0.2
3/2005	<b>2.1</b>	<0.2	<0.2	<0.2
10/2005	<b>1.9</b>	<0.2	<0.2	<0.2
12/2005	—	—	—	—
4/2006	<b>0.61</b>	<0.2	<0.2	<0.2
10/2006	<b>0.57</b>	<0.2	<0.2	<0.2
4/2007	<b>0.6</b>	<0.2	<0.2	<0.2
10/2007	<b>0.61</b>	<0.2	<0.2	<0.2
4/2008	<b>0.55</b>	<0.2	<0.2	<0.2
10/2008	<b>1</b>	1 U	1 U	0.2 U
4/2009	<b>0.48 J</b>	1 U	1 U	0.2 U
10/2009	1 U	1 U	1 U	0.2 U
4/2010	<b>1</b>	1 U	1 U	1 U
6/2011	<b>1.7</b>	1 U	1 U	0.2 U
10/2011	<b>0.78</b>	0.2 U	0.2 U	0.2 U
4/2012	<b>0.69</b>	0.2 U	0.2 U	0.2 U
10/2012	<b>0.77</b>	0.2 U	0.2 U	0.2 U
5/2013	<b>1.1</b>	1 U	1 U	1 U
10/2013	<b>1.2</b>	1 U	1 U	1 U
4/2014	<b>1.5 J</b>	1 U	1 U	1 U
10/2014	<b>1.4</b>	1 U	1 U	0.2 U
4/2015	<b>1.7 J</b>	1 UJ	1 UJ	0.2 UJ
10/2015	—	—	—	—
4/2016	<b>1.2</b>	1 U	1 U	0.2 U
10/2016	—	—	—	—
4/2017	<b>1.8</b>	1 U	1 U	0.2 U
9/2017	—	—	—	—

Date	PCE	TCE	Cis-DCE	VC
5/2018	<b>1.5</b>	1 U	1 U	0.2 U
10/2018	—	—	—	—
4/2019	<b>1.3</b>	1 U	1 U	0.2 U
10/2019	—	—	—	—
4/2021	<b>1.34</b>	1 U	1 U	0.2 U
10/2021	—	—	—	—
4/2022	<b>1.31</b>	1 U	1 U	5 UJ
10/2022	—	—	—	—
4/2023	<b>1.9</b>	1U	1U	0.2U
10/2023	—	—	—	—
4/2024	<b>2.62</b>	1U	1U	0.2U
10/2024	—	—	—	—
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: Analyte was not detected at or above the reported value.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because the well was not sampled.

**Table 49. Summary of Analytical Results (µg/L) for RI-6S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/1999	2.04	0.15 U	0.1 U	0.14 U
9/1999	4.72	0.15 U	0.1 U	0.14 U
12/1999	3.66	0.15 U	0.1 U	0.14 U
3/2000	2.19	0.15 U	0.1 U	0.14 U
6/2000	3.1	0.15 U	0.1 U	0.14 U
8/2000	3.8	0.15 U	0.1 U	0.14 U
12/2000	3.8	0.15 U	0.1 U	0.14 U
3/2001	2.8	0.15 U	0.1 U	0.14 U
9/2001	4.3	<0.2	<0.2	<0.2
3/2002	2.9	<0.2	<0.2	<0.2
9/2002	4	<0.2	<0.2	<0.2
3/2003	2.5	<0.2	<0.2	<0.2
9/2003	5.3	<0.2	<0.2	<0.2
3/2004	3.7	<0.2	<0.2	<0.2
10/2004	6	<0.2	<0.2	<0.2
3/2005	3.5	<0.2	<0.2	<0.2
10/2005	—	—	—	—
12/2005	4.1	<0.2	<0.2	<0.2
4/2006	3.3	<0.2	<0.2	<0.2
10/2006	4.9	<0.2	<0.2	<0.2
4/2007	3.4	<0.2	<0.2	<0.2
10/2007	6	<0.2	<0.2	<0.2
4/2008	2.9	<0.2	<0.2	<0.2
10/2008	5.9	1 U	1 U	0.2 U
4/2009	3.9	1 U	1 U	0.2 U
10/2009	6.9	1 U	1 U	0.2 U
4/2010	3.9	1 U	1 U	1 U
6/2011	4.4	1 U	1 U	0.2 U
10/2011	6.1	0.2 U	0.2 U	0.2 U
4/2012	2.7	0.2 U	0.2 U	0.2 U
10/2012	5.7	0.2 U	0.2 U	0.2 U
5/2013	3.8	1 U	1 U	1 U
10/2013	8.2	1 U	1 U	1 U
4/2014	3.6 J	1 U	1 U	1 U
10/2014	7.1	1 U	1 U	0.2 U
4/2015	—	—	—	—
10/2015	8.5	1 U	1 U	0.2 U
4/2016	—	—	—	—
10/2016	8.3 J	1 U	1 U	0.2 U
4/2017	—	—	—	—
9/2017	6.6	1 U	1 U	0.2 U

Date	PCE	TCE	Cis-DCE	VC
5/2018	—	—	—	—
10/2018	<b>8.8</b>	1 U	1 U	1 U
4/2019	—	—	—	—
10/2019	<b>8.5 J</b>	1 U	1 U	0.2 U
4/2020	—	—	—	—
11/2020	<b>8.1</b>	1 U	1 U	0.2 U
4/2021	—	—	—	—
10/2021	<b>7.75 J</b>	1 U	1 U	0.2 U
4/2022	—	—	—	—
10/2022	<b>7 J</b>	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	—	—	—	—
10/2023	<b>9.38</b>	1 U	1 U	0.2 U
4/2024	—	—	—	—
10/2024	<b>8.98</b>	1 U	1 U	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

UJ: Analyte was not detected at or above the reported value.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because the well was not sampled.

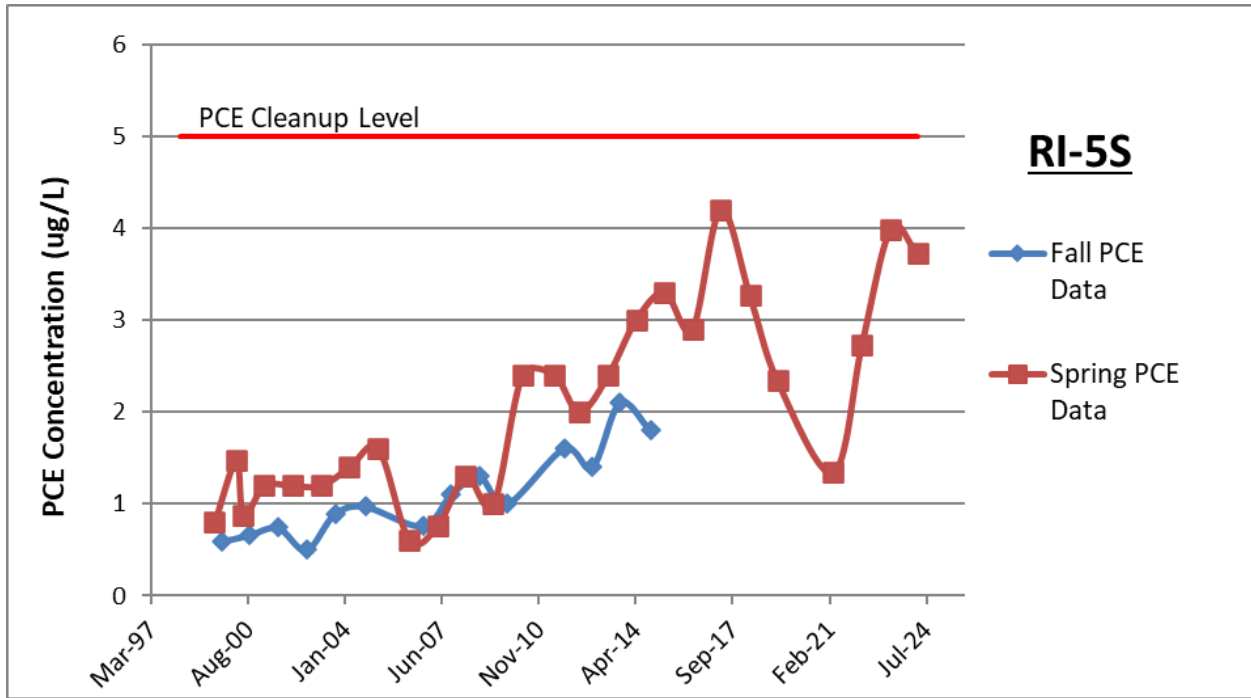


Figure 46. Remedial Investigation Well RI-5S PCE Results (µg/L), June 1999 to April 2024.

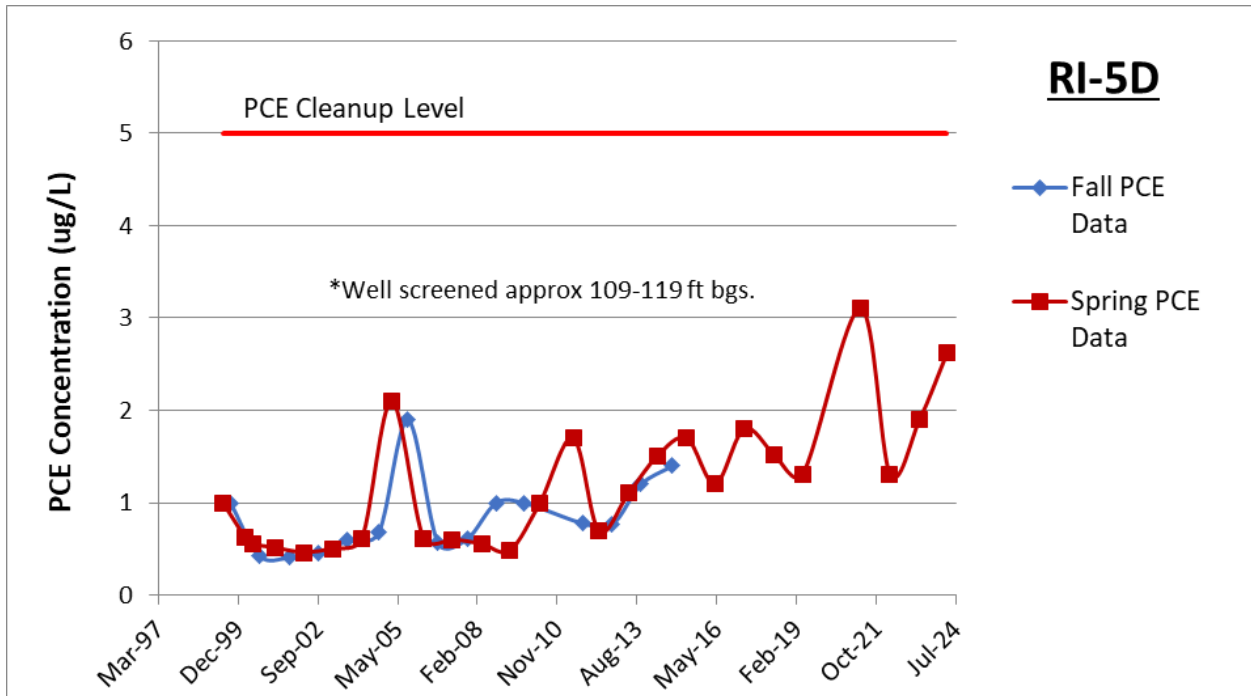


Figure 47. Remedial Investigation Well RI-5D PCE Results (µg/L), June 1999 to April 2024.

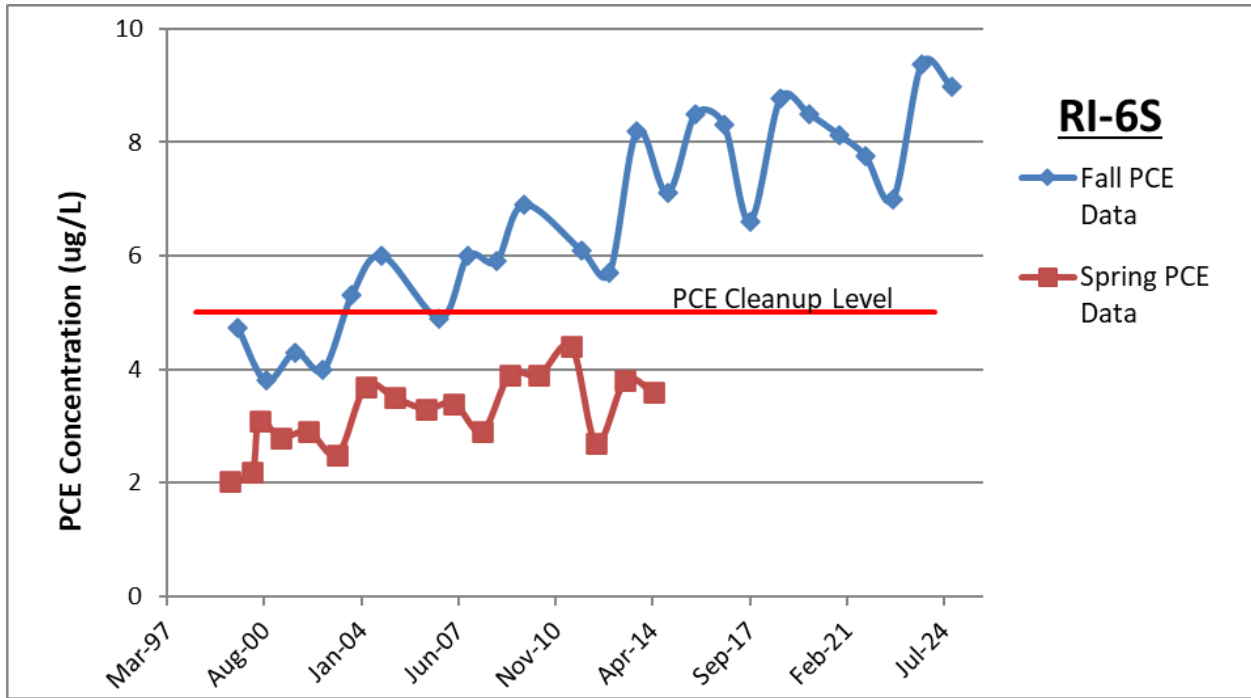


Figure 48. Remedial Investigation Well RI-6S PCE Results (µg/L), June 1999 to October 2024.

**Table 50. Summary of Analytical Results (µg/L) for RI-9S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/1999	1.86	0.15 U	0.1 U	0.14 U
9/1999	1.44	0.15 U	0.1 U	0.14 U
12/1999	1.33	0.15 U	0.1 U	0.14 U
3/2000	1.18	0.15 U	0.1 U	0.14 U
6/2000	1.4	0.15 U	0.1 U	0.14 U
8/2000	1.4	0.15 U	0.1 U	0.14 U
12/2000	1.9	0.23	0.1 U	0.14 U
3/2001	1.9	0.25	0.1 U	0.14 U
9/2001	—	—	—	—
3/2002	1.8	0.21	<0.2	<0.2
9/2002	1.7	0.26	<0.2	<0.2
3/2003	1.6	0.23	<0.2	<0.2
9/2003	1.7	<0.2	<0.2	<0.2
3/2004	2	0.25	<0.2	<0.2
10/2004	1.5	<0.2	<0.2	<0.2
3/2005	2.2	<0.2	<0.2	<0.2
10/2005	—	—	—	—
12/2005	2.2	<0.2	<0.2	<0.2
4/2006	2.1	0.21	<0.2	<0.2
10/2006	—	—	—	—
4/2007	1.9	<0.2	<0.2	<0.2
10/2007	2.1	<0.2	<0.2	<0.2
4/2008	1.4	<0.2	<0.2	<0.2
10/2008	1.4	1 U	1 U	0.2 U
4/2009	1.7	1 U	1 U	0.2 U
10/2009	1 U	1 U	1 U	0.2 U
4/2010	1.9	1 U	1 U	1 U
6/2011	1 U	1 U	1 U	0.2 U
10/2011	1.3	0.2 U	0.2 U	0.2 U
4/2012	0.97	0.2 U	0.2 U	0.2 U
10/2012	1.1	0.2 U	0.2 U	0.2 U
5/2013	1.4	1 U	1 U	1 U
10/2013	1.8	1 U	1 U	1 U
4/2014	1.7 J	1 U	1 U	1 U
10/2014	1.6	1 U	1 U	0.2 U
4/2015	1.7 J	1 UJ	1 UJ	0.2 UJ
10/2015	—	—	—	—
4/2016	1.1	1 U	1 U	0.2 U

Date	PCE	TCE	Cis-DCE	VC
10/2016	—	—	—	—
4/2017	<b>1.6</b>	1 U	1 U	0.2 U
9/2017	—	—	—	—
5/2018	—	—	—	—
10/2018	<b>1.8</b>	1 U	1 U	0.2 U
4/2020	—	—	—	—
11/2020	<b>1.3</b>	1 U	1 U	0.2 U
4/2021	—	—	—	—
10/2021	<b>1.41</b>	<b>0.47 NJ</b>	1 U	0.2 U
4/2022	—	—	—	—
10/2022	<b>1.1 J</b>	0.2 UJ	0.2 UJ	0.2 UJ
4/2023	—	—	—	—
10/2023	<b>1.19</b>	1 U	1 U	0.2 U
4/2024	—	—	—	—
10/2024	<b>1.42</b>	<b>0.09 J</b>	1 U	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

ND: Analyte was not detected.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to October 2005 results).

**Table 51. Summary of Analytical Results (µg/L) for RI-10S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/1999	2.53	0.15 U	0.1 U	0.14 U
9/1999	2.51	0.15 U	0.1 U	0.14 U
12/1999	2.33	0.15 U	0.1 U	0.14 U
3/2000	1.9	0.15 U	0.1 U	0.14 U
6/2000	2	0.15 U	0.1 U	0.14 U
8/2000	1.8	0.15 U	0.1 U	0.14 U
12/2000	2.7	0.15 U	0.1 U	0.14 U
3/2001	2.2	0.15 U	0.1 U	0.14 U
9/2001	2.3	<0.2	<0.2	<0.2
3/2002	2	<0.2	<0.2	<0.2
9/2002	1.8	<0.2	<0.2	<0.2
3/2003	1.8	<0.2	<0.2	<0.2
9/2003	2.8	<0.2	<0.2	<0.2
3/2004	1.9	<0.2	<0.2	<0.2
10/2004	1.8	<0.2	<0.2	<0.2
3/2005	1.9	<0.2	<0.2	<0.2
10/2005	—	—	—	—
12/2005	1.6	<0.2	<0.2	<0.2
4/2006	1.8	<0.2	<0.2	<0.2
10/2006	1.7	<0.2	<0.2	<0.2
4/2007	1.9	<0.2	<0.2	<0.2
10/2007	1.9	<0.2	<0.2	<0.2
4/2008	1.4	<0.2	<0.2	<0.2
10/2008	1.5	1 U	1 U	0.2 U
4/2009	1.5	1 U	1 U	0.2 U
10/2009	2	1 U	1 U	0.2 U
4/2010	1.9	1 U	1 U	1 U
6/2011	1.8	1 U	1 U	0.2 U
10/2011	1.3	0.2 U	0.2 U	0.2 U
4/2012	1.3	0.2 U	0.2 U	0.2 U
10/2012	1.6	0.2 U	0.2 U	0.2 U
5/2013	1.7	1 U	1 U	1 U
10/2013	2.1	1 U	1 U	1 U
4/2014	1.9 J	1 U	1 U	1 U
10/2014	2	1 U	1 U	0.2 U
4/2015	2.2 J	1 UJ	1 UJ	0.2 UJ
10/2015	—	—	—	—
4/2016	1.4	1 U	1 U	0.2 U

Date	PCE	TCE	Cis-DCE	VC
10/2016	—	—	—	—
4/2017	<b>2</b>	<b>0.6 NJ</b>	1 U	0.2 U
9/2017	—	—	—	—
5/2018	<b>2</b>	1 U	1 U	0.2 U
10/2018	—	—	—	—
4/2019	<b>1.4</b>	1 U	1 U	0.2 U
10/2019	—	—	—	—
4/2021	<b>1.14</b>	1 U	1 U	0.2 U
10/2021	—	—	—	—
4/2022	<b>1.22 B</b>	<b>0.52 J</b>	1 U	5 UJ
10/2022	—	—	—	—
4/2023	<b>1.53</b>	1 U	1 U	0.2 U
10/2023	—	—	—	—
4/2024	<b>2.19</b>	<b>0.39 J</b>	1 U	0.2 U
10/2024	—	—	—	—
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

ND: Analyte was not detected.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to October 2005 results).

**Table 52. Summary of Analytical Results (µg/L) for RI-11S, December 1997 to October 2024.**

Date	PCE	TCE	Cis-DCE	VC
6/1999	1.4	0.15 U	0.1 U	0.14 U
9/1999	1.63	0.15 U	0.1 U	0.14 U
12/1999	1.15	0.15 U	0.1 U	0.14 U
3/2000	1.01	0.15 U	0.1 U	0.14 U
6/2000	0.99	0.15 U	0.1 U	0.14 U
8/2000	1	0.15 U	0.1 U	0.14 U
12/2000	1.6	0.15 U	0.1 U	0.14 U
3/2001	1.1	0.15 U	0.1 U	0.14 U
9/2001	1.1	<0.2	<0.2	<0.2
3/2002	1.2	<0.2	<0.2	<0.2
9/2002	1	<0.2	<0.2	<0.2
3/2003	1	<0.2	<0.2	<0.2
9/2003	1.4	<0.2	<0.2	<0.2
3/2004	1.1	<0.2	<0.2	<0.2
10/2004	0.78	<0.2	<0.2	<0.2
3/2005	1.4	<0.2	<0.2	<0.2
10/2005	—	—	—	—
12/2005	0.83	<0.2	<0.2	<0.2
4/2006	0.89	<0.2	<0.2	<0.2
10/2006	0.94	<0.2	<0.2	<0.2
4/2007	1.1	<0.2	<0.2	<0.2
10/2007	1.1	<0.2	<0.2	<0.2
4/2008	0.71	<0.2	<0.2	<0.2
10/2008	1.1	1 U	1 U	0.2 U
4/2009	0.43 J	1 U	1 U	0.2 U
10/2009	1 U	1 U	1 U	0.2 U
4/2010	1 U	1 U	1 U	0.2 U
6/2011	1.3	1 U	1 U	0.2 U
10/2011	0.87	0.2 U	0.2 U	0.2 U
4/2012	0.59	0.2 U	0.2 U	0.2 U
10/2012	0.71	0.2 U	0.2 U	0.2 U
5/2013	0.83 J	1 U	1 U	1 U
10/2013	1	1 U	1 U	1 U
4/2014	—	—	—	—
10/2014	1.1	1 U	1 U	0.2 U
4/2015	1.2 J	1 UJ	1 UJ	0.2 UJ
10/2015	—	—	—	—
4/2016	—	—	—	—

Date	PCE	TCE	Cis-DCE	VC
10/2016	<b>0.82 J</b>	1 U	1 U	0.2 U
5/2018	—	—	—	—
10/2018	<b>1.3</b>	1 U	1 U	0.2 U
4/2019	—	—	—	—
10/2019	<b>0.61 NJ</b>	1 U	1 U	0.2 U
4/2020	—	—	—	—
11/2020	<b>0.98 J</b>	1 U	1 U	0.2 U
4/2021	—	—	—	—
10/2021	<b>1.13</b>	1 U	1 U	0.2 U
4/2022	—	—	—	—
10/2022	<b>0.68 J</b>	0.2 UJ	0.2 UJ	0.2 UJ
4/2024	—	—	—	—
10/2024	0.9 UJ	1 U	1 U	0.2 U
<b>MTCA CL</b>	<b>5</b>	<b>5</b>	<b>70</b>	<b>0.2</b>

DCE: Dichloroethene, PCE: Tetrachloroethene, TCE: Trichloroethene, VC: Vinyl chloride

U: Analyte was not detected at or above the reported value.

J: Analyte was positively identified. The associated numerical result is an estimate.

ND: Analyte was not detected.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate.

**Bold:** Analyte was detected.

**Shade:** Values are greater than MTCA (Model Toxics Control Act) cleanup levels.

—: Data unavailable because (1) the well was not sampled, or (2) suspect results were rejected from the study due to quality issues (Applies to October 2005 results).

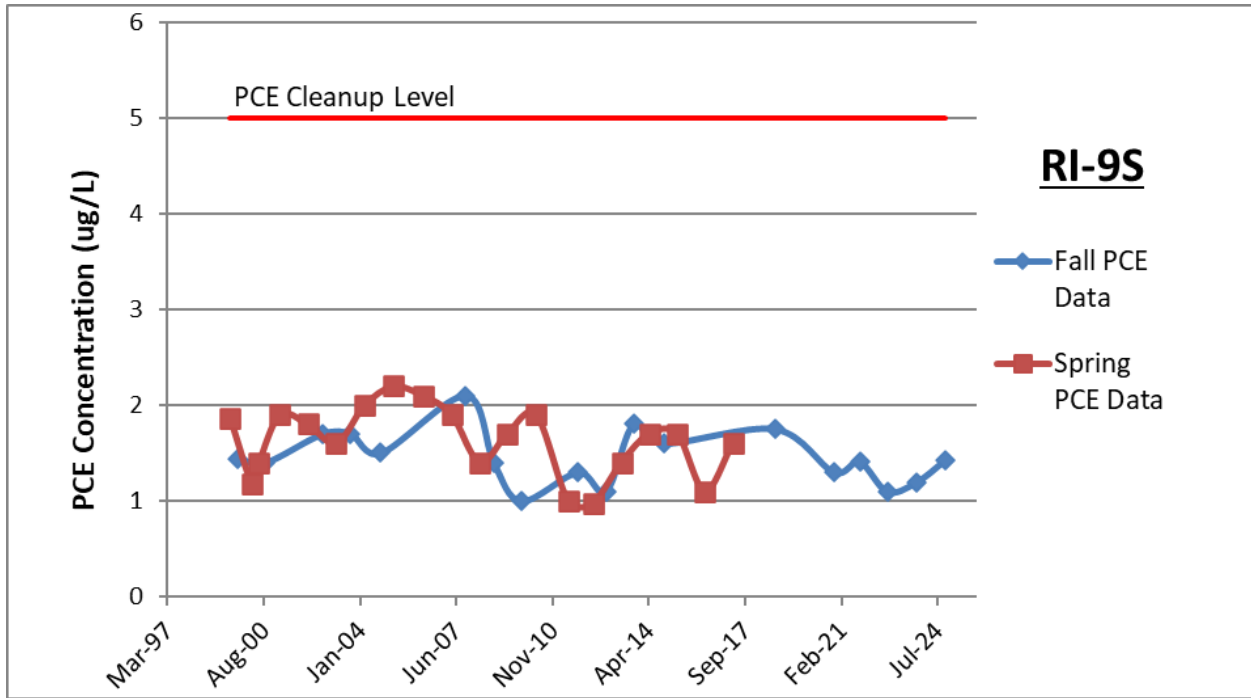


Figure 49. Remedial Investigation Well RI-9S PCE Results ( $\mu\text{g/L}$ ), June 1999 to October 2024.

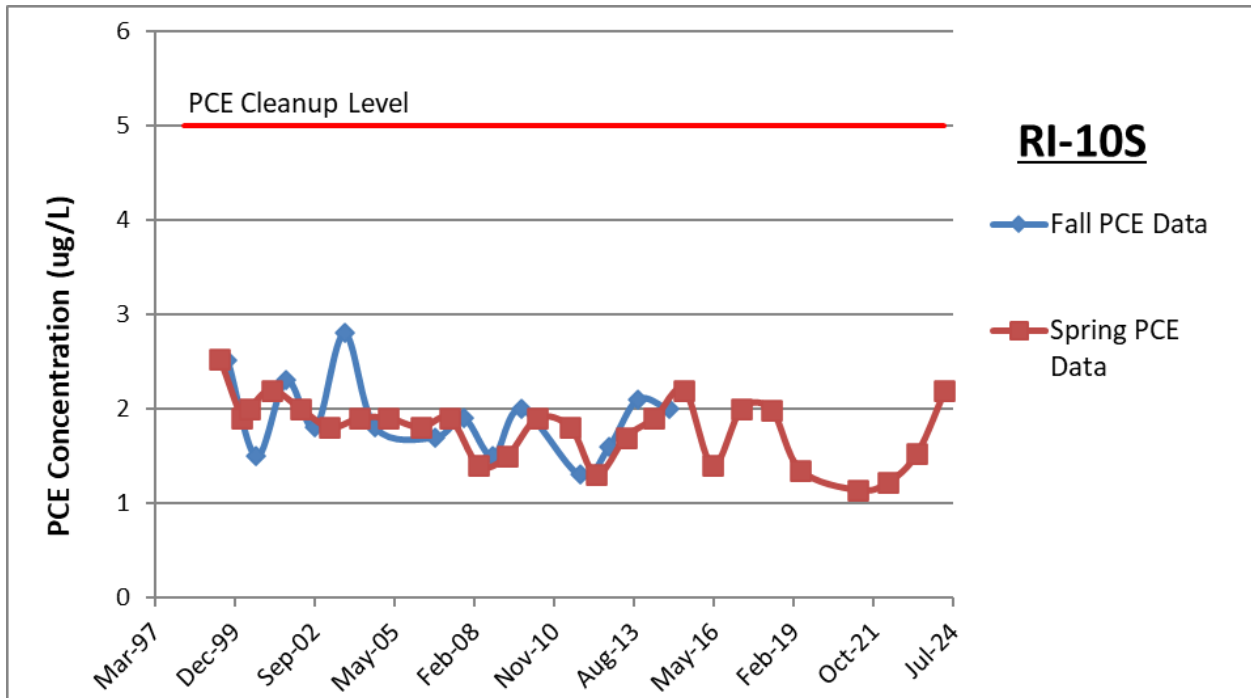


Figure 50. Remedial Investigation Well RI-10S PCE Results ( $\mu\text{g/L}$ ), June 1999 to April 2024.

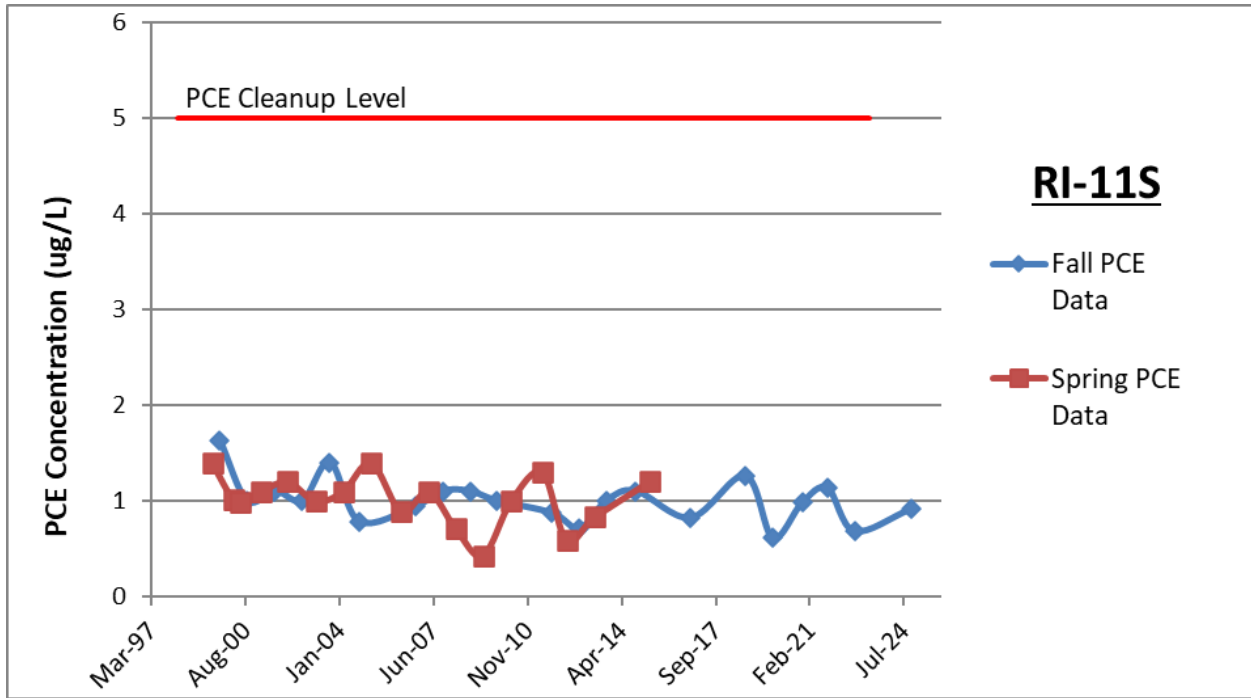


Figure 51. Remedial Investigation Well RI-11S PCE Results (µg/L), June 1999 to October 2024.