



VIA ELECTRONIC DELIVERY

December 10, 2021

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Division of Environmental Remediation
New York State Department of Environmental Conservation
Region 7
615 Erie Boulevard West
Syracuse, NY 13204-2400

**Subject: July through December 2020 DPE System Report #24
Former Emerson Power Transmission Facility
Ithaca, New York, Site No. 755010
Order on Consent #A7-0125-87-09**

Dear Karen:

On behalf of Emerson, WSP is responding to the letter dated September 16, 2021, from the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) in regard to the July through December 2020 DPE System Report #24. The comments are provided verbatim below in bold text followed by WSP's responses.

The results of the July 2021 sampling event discussed in Section 2.3 (Extraction Well Evaluation) must be provided under separate cover along with an evaluation of the results which must include:

1. The Mann-Kendall Statistical Evaluation. In addition to the 8 site-related constituents of concern, total CVOCs must be included in this evaluation;

Mann-Kendall statistical evaluation was performed for the eight site-related constituents of concern that include 1,1-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene, tetrachloroethene, 1,1,1-trichloroethane, trichloroethene (TCE), and vinyl chloride (VC). In addition, the evaluation was expanded to include total chlorinated volatile organic compounds (CVOC) concentrations.

The trend evaluation was limited to wells with greater than or equal to 50% detections with 4 or more sample results. Based on the available data points the statistical evaluation was performed for EW-5-25B, EW-6-60C, EW-12-45C, EXB-1, EXB-7, EXB-9, EXB-10, MW-1B, MW-2B, MW-3B, MW-4B, MW-5B, MW-5-25, MW-5-40, MW-5-100, MW-7B, MW-7-40, MW-8B, MW-8-40, MW-12C, MW-13C, MW-15C, MW-16-100, MW-17-40, MW-18A, MW-19A, MW-20B, MW-21B, MW-22B, MW-23B, MW-24B, MW-25A, MW-26A, MW-32B, MW-36B, MW-46-43C, and MW-46-72C.

Too few data points to support a valid statistical evaluation were available for 11 wells, including EW-1-62C, EW-2-62C, EW-3-60C, EW-4-25B, EW-7-25B, EW-8-62C, EW-9R-72C, EW-10-25B, EW-11-45C, MW-30B, and MW-50-160D.

The results of the statistical evaluation are provided in the enclosed Table 1 - Historical Groundwater Statistical Analysis and Table 2 - Historical Groundwater Statistical Analysis Summary.

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2. **Trend graphs (i.e., concentration vs time) for at least 12 of the 26 wells evaluated in the Mann-Kendall statistical evaluation. The trend graphs must include trichloroethene, cis-1,2-dichloroethene, vinyl chloride and total CVOCs concentrations over time for all wells with total CVOC concentrations > 1,000 µg/L during the last sampling event; and**

Trend graphs were completed for 14 monitoring locations that include EW-5-25B (Figure 1-1), EW-6-60C (Figure 1-2), EW-12-45C (Figure 1-3), EXB-7 (Figure 1-4), MW-2B (Figure 1-5), MW-3B (Figure 1-6), MW-5B (Figure 1-7), MW-5-40 (Figure 1-8), MW-7B (Figure 1-9), MW-13C (Figure 1-10), MW-15C (Figure 1-11), MW-36B (Figure 1-12), MW46-43C (Figure 1-13), and MW-46-72C (Figure 1-14). The trend graphs include concentration versus time for TCE, cis-1,2-DCE, VC, and total CVOCs. To best show the TCE, cis-1,2-DCE, and VC trends the y-axis on the left of each graph is for the individual CVOCs, while the y-axis on the right of each graph is for the total CVOCs. Figures 1-1 through 1-14 are enclosed.

3. **A plume map showing CVOC concentrations for the 46 wells located within the former fire water reservoir and surrounding area. Data from the most recent round of sampling should be used to prepare the map.**

Groundwater isopleth maps were completed using the available data based on total chlorinated volatile organic compounds from the September 2021 sampling event. The enclosed figures include Figure 2-1 which is for the B hydrologic zone and Figure 2-2 which is for the C hydrologic zone.

The Mann-Kendall statistical evaluation will be included with future Dual-Phase Extraction reports. Please let us know if you have any questions or comments.

Kind regards,

Scott Haitz
Vice President, National Practice Lead

JRB:DAR:SPH
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Enclosure

cc/encl : Steve Clarke, Emerson
Anthony Perretta, NYSDOH

TABLES

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

Well ID	Sample Date	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Total CVOCs (f)
Evaluation Criteria (c)		5	5	5	5	5	5	5	2	-
EW-1-62C	9/26/17	5 U	3.2 J	1,750	16.8	5 U	5 U	1,600	5 U	3,370
	7/24/20	10 U	10 U	1,550	17.8	10 U	10 U	556	55.2	2,179
	%ND	100%	50%	0%	0%	100%	100%	0%	50%	0%
	Min D	NA	3.2	1,550	16.8	NA	NA	556	55.2	2,179
	Max D	NA	3.2	1,750	17.8	NA	NA	1,600	55.2	3,370
	Mean D	NA	3.2	1,650	17.3	NA	NA	1,078	55.2	2,775
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-2-62C	9/26/17	20 U	20 U	1,760	24.8	20 U	20 U	2,240	20 U	4,025
	7/24/20	10 U	10 U	2,020	35	10 U	10 U	2,350	10 U	4,405
	%ND	100%	100%	0%	0%	100%	100%	0%	100%	0%
	Min D	NA	NA	1,760	24.8	NA	NA	2,240	NA	4,025
	Max D	NA	NA	2,020	35	NA	NA	2,350	NA	4,405
	Mean D	NA	NA	1,890	29.9	NA	NA	2,295	NA	4,215
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-3-60C	9/26/17	5 U	5 U	503	14.5	5 U	5 U	1,800	3.3 J	2,321
	7/24/20	10 U	10 U	4,020	135	10 U	10 U	3,380	14.2	7,549
	%ND	100%	100%	0%	0%	100%	100%	0%	0%	0%
	Min D	NA	NA	503	14.5	NA	NA	1,800	3.3	2,321
	Max D	NA	NA	4,020	135	NA	NA	3,380	14.2	7,549
	Mean D	NA	NA	2,262	74.8	NA	NA	2,590	8.8	4,935
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-4-25B	9/26/17	100 U	100 U	5,050	106	100 U	100 U	18,700	100 U	23,856
	7/24/20	5 U	5 U	521	7.9	5 U	5 U	761	5 U	1,290
	%ND	100%	100%	0%	0%	100%	100%	0%	100%	0%
	Min D	NA	NA	521	7.9	NA	NA	761	NA	1,290
	Max D	NA	NA	5,050	106	NA	NA	18,700	NA	23,856
	Mean D	NA	NA	2,786	57	NA	NA	9,731	NA	12,573
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-5-25B	9/25/09	1 U	3.2	1,300 DJ	24.0 J	1.3	1 U	1,100 DJ	70.0 J	2,499
	9/29/10	1 U	3.9	1,290	30.7	1.2	1 U	793	231	2,350
	10/3/11	1 U	3.3	1,280	16.4	1.3	1 U	1,670	45.1	3,016
	10/1/12	1 U	1 U	134	1.9	2.0	1 U	1,040	5.3	1,183
	10/18/13	1 U	3.1	897	8.8	3.2	1 U	1,420	21.7	2,354
	8/21/14	1 U	2.8 J	863	14.7	1.6	1 U	761	61.7	1,705
	8/24/15	1 U	3	1,110	36.1	1	1 U	1,410	10.2	2,570
	9/28/16	1 U	3.3	1,650 J	94.2	4.8	1 U	2,280	11.1	4,043
	9/26/17	20 U	20 U	2,730	60.1	20 U	20 U	2,530	12.7 J	5,333
	8/28/18	1 U	1.6	897	14.4	1 U	1 U	839	5.8	1,758
	9/19/19	5 U	5 U	1,200	14.3	5 U	5 U	1,350	86.0	2,650
	7/24/20	5 U	5 U	1,040	33.3	5 U	5 U	962	8.2	2,044
	9/23/21	1 U	4	1,280	16.6	1 U	1 U	896	58.8	2,255
	%ND	100%	31%	0%	0%	38%	100%	0%	0%	0%
	Min D	NA	1.6	134	1.9	1	NA	761	5.3	1,183
	Max D	NA	4	2,730	94.2	4.8	NA	2,530	231	5,333
	Mean D	NA	3.1	1,205	28.1	2.1	NA	1,312	48.3	2,597
	Trend	NA	NT - Stable	NT - Stable	NT - Stable	Decreasing	NA	NT - Stable	NT	NT - Stable
	9/25/09	1.2	16.0 J	8,600 DJ	150 J	41 J	1 U	47,000 DJ	4.8 J	55,813
	9/29/10	1 U	9.5	6,400	142	28.1	1 U	25,600	5.9	32,186
	10/3/11	1 U	12.0 J	12,400 J	180 J	13.7 J	1 U	12,500 J	3.9 J	25,110
	10/1/12	1 U	10.0	6,590	500 U	33.6	1 U	28,400	2.42	35,036
	10/18/13	100 U	100 U	15,400	55.9 J	100 U	100 U	23,000	100 U	38,456
	8/21/14	0.54 J	14.4 J	4,810	33.3	32.4	1 U	15,500	0.8 J	20,391
	8/24/15	100 U	100 U	5,710	100 U	100 U	100 U	31,500	100 U	37,210
	9/28/16	1 U	14.6	5,950 J	168	27.4	1 U	21,000 J	45.1	27,205
	9/26/17	100 U	100 U	6,970	76.5 J	100 U	100 U	24,300	100 U	31,347
	9/19/19	10 U	10 U	4,430	24.1	10 U	10 U	11,500	16.5	15,971
	7/24/20	10 U	10 U	1,190	10.0	10 U	10 U	1,820	10 U	3,020
	9/23/21	1 U	3.1	2,000	17.3	1 U	1 U	66.3	170	2,257
	%ND	83%	41%	0%	17%	50%	100%	0%	33%	0%
	Min D	0.54	3.1	1,190	10	13.7	NA	66	0.8	2,257
	Max D	1.2	16	15,400	180	41	NA	47,000	170	55,813
	Mean D	0.9	11.4	6,704	85.7	29.4	NA	20,182	31.2	27,000
	Trend	NA	NT - Stable	Decreasing	NT - Stable	Decreasing	NA	Decreasing	NT	Decreasing
EW-7-25B	9/27/17	5 U	4.3 J	2,480	29.1	5 U	5 U	44.1	539	3,097
	7/24/20	20 U	20 U	3,920	33.8	20 U	20 U	3,500	25.4	7,479
	%ND	100%	50%	0%	0%	100%	100%	0%	0%	0%
	Min D	NA	4.3	2,480	29.1	NA	NA	44.1	25.4	3,097
	Max D	NA	4.3	3,920	33.8	NA	NA	3,500	539	7,479
	Mean D	NA	4.3	3,200	31.5	NA	NA	1,772	282.2	5,288
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-8-62C	9/27/17	25 U	12.5 J	5,580	48.9	25 U	25 U	9,870	174	15,685
	7/24/20	5 U	5 U	1,270	6.3	5 U	5 U	857	5 U	2,133
	%ND	100%	50%	0%	0%	100%	100%	0%	50%	0%
	Min D	NA	12.5	1,270	6.3	NA	NA	857	174	2,133
	Max D	NA	12.5	5,580	48.9	NA	NA	9,870	174	15,685
	Mean D	NA	12.5	3,425	27.6	NA	NA	5,364	174	8,909
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-9R-72C	7/24/20	11 U	12 U	3,080	48.6	18 U	11 U	2,070	16 U	5,199
	%ND	100%	100%	0%	0%	100%	100%	0%	0%	0%
	Min D	NA	NA	3,080	48.6	NA	NA	2,070	NA	5,199
	Max D	NA	NA	3,080	48.6	NA	NA	2,070	NA	5,199
	Mean D	NA	NA	3,080	48.6	NA	NA	2,070	NA	5,199
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

EW-10-25R	9/27/17	1 U	1 U	429	6.3	1 U	1 U	248	0.64 J	684
	7/24/20	1 U	1 U	236	6.3	1 U	1 U	98.2	2.4	343
	% ND	100%	100%	0%	0%	100%	100%	0%	0%	0%
	Min D	NA	NA	236	6.3	NA	NA	98.2	0.64	343
	Max D	NA	NA	429	6.3	NA	NA	248	2.4	684
EW-11-45C	Mean D	NA	NA	332.5	6.3	NA	NA	173.1	1.5	513
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/24/20	20 U	20 U	3,620	59.3	20 U	20 U	6,420	20 U	10,099
	% ND	100%	100%	0%	0%	100%	100%	0%	100%	0%
	Min D	NA	NA	3,620	59.3	NA	NA	6,420	NA	10,099
EXB-1 (d)	Max D	NA	NA	3,620	59.3	NA	NA	6,420	NA	10,099
	Mean D	NA	NA	3,620	59.3	NA	NA	6,420	NA	10,099
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/10/09	1 U	3.2	3,100 D	51.0	0.78 J	1 U	1,300 D	250 D	4,705
	9/22/09	7.7	80 U	3,400 D	52.0	0.66 J	80 U	800 D	430 D	4,690
EXB-1 (d)	12/17/09	1 U	6.5	2,920 D	36.5	1.3	1 U	2,940 D	176 J	6,080
	4/7/10	1 U	7.2	2,860 D	47.3	1.3	1 U	774 D	446 D	4,136
	6/29/10	1 U	13.0	4,260	184 J	1 U	1 U	19.6	787	5,264
	9/29/10	1 U	17.2	8,370	109	3	1 U	9,580	187	18,266
	12/28/10	1 U	6.2	3,960	21.8	3	1 U	359	140	4,490
EXB-1 (d)	3/22/11	1 U	4.5	2,450	23.7	1 U	1 U	58.9	598	3,135
	6/22/11	1 U	4.5	2,090	28.1	1 U	1 U	8,310	9.2	10,442
	10/3/11	1 U	32.0 J	10,000 J	132 J	2.0 J	1 U	9,080 J	321 J	19,567
	12/13/11	1 U	8.0	4,850	106	1 U	1 U	18.3	372	5,354
	3/29/12	1 U	27.3	14,000	161	2.5	1 U	6,680	268	21,139
EXB-1 (d)	6/27/12	1 UJ	43.9 J	8,710	253 J	1 UJ	1 UJ	9,390	231	18,628
	10/3/12	200 U	200 U	875	200 U	200 U	200 U	200 U	674	1,549
	12/4/12	1 U	5.5	2,300	36.9	1 U	1 U	533	856	3,731
	4/3/13	1 U	7.9	1,720	47.5	1 U	1 U	210	354	2,339
	6/5/13	10 U	20.0	4,800	60.2	10 U	10 U	2,360	749	7,989
EXB-1 (d)	10/16/13	10 U	10 U	5,150	33.3	10 U	10 U	843	523 J	6,549
	12/4/13	1 U	4.5	4,600	81.8	1 U	1 U	53.9	363	5,103
	3/24/14	10 U	10 U	2,360	28.6	10 U	10 U	48.0	569	3,006
	6/17/14	20 U	20 U	2,920	16.9 J	20 U	20 U	21.1	1,580	4,538
	8/18/14	10 U	31.4 J	9,290	110	10 U	10 U	3,600	568	13,599
EXB-1 (d)	12/4/14	0.81 J	34.1	15,600	139	1 U	1 U	2,070	467	18,311
	3/11/15	10 U	15.0	6,960	83.8	10 U	10 U	2,060	607	9,726
	5/27/15	10 U	4.3 J	2,330	29.3	10 U	10 U	52.8	593	3,009
	% ND	92%	20%	0%	4%	68%	100%	4%	0%	0%
	Min D	0.81	3.2	875	16.9	0.66	NA	18.3	9.2	1,549
EXB-1 (d)	Max D	7.7	43.9	15,600	253	3	NA	9,580	1,580	21,139
	Mean D	4.3	14.8	5,195	78	1.8	NA	2,548	485	8,214
	Trend	NA	NT	NT - Stable	NT - Stable	NA	NA	NT	Increasing	NT - Stable

Table 1

Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)

EXB-2/FW-12-45C (a)	1/14/09	0.8 J	2	2,900 D	11.0	6.1	1 U	10,000 D	10.0	12,930
	6/9/09	1 U	2	2,100 D	7.3	2.4	1 U	6,200 D	13.0	8,325
	9/23/09	0.7 J	2	2,300 D	20.0	7.2	100 U	9,300 J	7.6	11,638
	12/17/09	1 U	3	2,870 D	11.7	6.1	1 U	7,270 D	16.8 J	10,178
	4/6/10	1.6	1 U	2,210 D	21.8	4.3	1 U	5,110 D	14.5	7,362
	6/29/10	1 U	12.5	5,650	212 J	2.2	1 U	2,560	21.0	8,458
	9/29/10	1 U	8.3	4,750	189	1 U	1 U	1,680	30.0	6,657
	12/28/10	1 U	6.0	6,740	32.7	4.1	1 U	7,550	44.7	14,378
	3/22/11	1 U	3.4	6,680	22.4	3.8	1 U	8,310	9.2	15,029
	6/22/11	1 U	4.6	4,850	39.2	3.8	1 U	5,320	157	10,375
	10/3/11	1 UR	2.6 J	8,080 J	20.1 J	1.9 J	1 UR	6,810 J	81.1 J	14,998
	12/13/11	1.1	1.3	7,880	59.6	1 U	1 U	3,670	7.4	11,619
	3/28/12	1 U	4.7	5,500	55.2	1 U	1 U	3,470	44.4	9,074
	6/27/12	1 UJ	4.7 J	5,040	45.6 J	2.3 J	1 UJ	7,020	33.1 J	12,146
	10/3/12	200 U	200 U	9,760	200 U	200 U	200 U	308	807	10,875
	12/4/12	1 U	3	2,330	71.6	1 U	1 U	327	2,070	4,802
	4/4/13	1 U	1 U	2,140	16.7	1.3	1 U	3,550	9.2	5,717
	6/3/13	100 U	100 U	23,300	214	100 U	100 U	14,400	235	38,149
	10/16/13	1.5	21.6	7,930	188	1 U	1 U	1,130	230	9,501
	12/4/13	0.91 J	3.3	6,730	68.6	1 U	1 U	2,720	90.4	9,613
	3/24/14	40 U	40 U	11,700	59.0	40 U	40 U	6,130	184	18,073
	6/16/14	20 U	20 U	5,890	37.5	20 U	20 U	5,270	60.5	11,258
	8/19/14	20 U	20 U	7,010	48.8	20 U	20 U	7,150	146	14,355
	12/4/14	1.1	15.5	12,300	54.0	1 U	1 U	4,260	209 J	16,840
	3/11/15	50 U	50 U	10,000	155	50 U	50 U	3,640	686 J	14,481
	5/27/15	25 U	18.6 J	11,500	94.1	25 U	25 U	890	844	13,347
	7/24/20	5 U	5 U	841	5 U	5 U	5 U	220	5 U	1,061
	% ND	74%	33%	0%	7%	56%	100%	0%	4%	0%
	Min D	0.7	1.3	841	7.3	1.3	NA	220	7.4	1,061
	Max D	1.6	21.6	23,300	214	7.2	NA	14,400	2,070	38,149
	Mean D	1.1	6.6	6,629	70.2	3.8	NA	4,973	233.1	11,898
	Trend	NA	NT	Increasing	Increasing	NA	NA	Decreasing	Increasing	NT - Stable
EXB-7	1/14/09	1 U	13	7,500 D	55.0 D	1 U	1 U	230 D	57.0 D	7,855
	6/9/09	1 U	6.6	3,400 D	37.0	1 U	1 U	890 D	30.0	4,364
	9/22/09	80 U	9.2	5,000 D	78.0	80 U	80 U	560 D	26.0	5,673
	12/17/09	1 U	5.1 J	2,790 D	45.3	1 U	1 U	832 D	15.5 J	3,688
	4/7/10	1 U	3.2	2,120 D	31.1	1 U	1 U	1,430 D	11.8	3,596
	6/29/10	1 U	6.5	2,880	99.2 J	1 U	1 U	1,190	18.4	4,194
	9/29/10	1 U	7.8	4,760	105	1 U	1 U	360	26.0	5,259
	12/28/10	1 U	2.3	1,560	27.4	1 U	1 U	394	3.4	1,987
	3/22/11	1 U	1.1	1,080	11.7	1 U	1 U	327	1.9	1,422
	6/22/11	1 U	2.1	1,480	21.7	1 U	1 U	398	5.0	1,907
	10/5/11	1 UR	7.8 J	3,940 J	65.9 J	1 UR	1 UR	1,850 J	21.4 J	5,888
	12/13/11	1 U	9.0	4,220	115.0	1 U	1 U	22.0	38.5	4,405
	3/27/12	1 U	1.2	1,040	20.0	1 U	1 U	388	2.8	1,452
	6/29/12	1 U	2.4	1,500	30.1	1 U	1 U	903	5.3	2,441
	10/2/12	50 U	50 U	3,080	50.0 U	50 U	50 U	1,290	50.0 U	4,370
	12/4/12	1 U	2.4	1,540	38.1	1 U	1 U	1,020	3.6	2,604
	4/3/13	5 U	5 U	766	22.5	5 U	5 U	469	5.0 U	1,258
	6/5/13	1 U	2.6	1,180	20.7	1 U	1 U	890	4.0	2,097
	10/16/13	1 U	5.4	2,580	41.2	1 U	1 U	1,100	14.5	3,741
	12/4/13	1 U	1 U	2,290	32.9	1 U	1 U	88.6	9.5	2,421
	3/25/14	1 U	1 U	202	3.2	1 U	1 U	96.6	0.72 J	303
	6/17/14	1 U	0.97 J	368	8.5	1 U	1 U	45.0	6.6	429
	8/19/14	10 U	10 U	1,920	19.5	10 U	10 U	63.4	10.0 U	2,003
	12/4/14	1 U	0.54 J	617	17.8	1 U	1 U	4.1	15.5 J	655
	3/11/15	2 U	2 U	1,080	45.1	2 U	2 U	280	2.0 J	1,407
	5/27/15	5 U	5 U	1,100	36.6	5 U	5 U	1,170	5 U	2,307
	8/24/15	0.17 J	1.7	1,180	19.4	1 U	1 U	774	4.2	1,979
	12/14/15	1 U	2.1	1,420	22.3	1 U	1 U	416	3.4	1,864
	4/13/16	5 U	5 U	1,040	17.4	5 U	5 U	547	4.5 J	1,609
	7/7/16	10 U	10 U	1,040	18.1	10 U	10 U	482	11.0	1,551
	9/27/16	5 U	5 U	1,410 J	28.3	5 U	5 U	582	6.3	2,027
	11/16/16	10 U	10 U	1,930	33.0	10 U	10 U	735	11.0	2,709
	3/28/17	5 U	5 U	980	17.3	5 U	5 U	574	5.9	1,577
	6/13/17	2 U	2 U	985	25.8	2 U	2 U	486	1.3 J	1,498
	9/26/17	5 U	3.1 J	1,700	31.2	5 U	5 U	748 J	3.4 J	2,486
	12/20/17	1 U	1.7	1,240	23.0	1 U	1 U	513 J	1	1,779
	3/21/18	5 U	5 U	872	16.2	5 U	5 U	427	5 U	1,315
	5/10/18	2.5 U	2.5 U	908	12.6	2.5 U	2.5 U	430	2.5 U	1,351
	8/28/18	5 U	3.8 J	2,430	30.5	5 U	5 U	46.2	6.5	2,517
	12/11/18	2.5 U	2.5 U	1,200	29.9	2.5 U	2.5 U	355	2.5 U	1,585
	3/7/19	5 U	5 U	832	11.9	5 U	5 U	373	5 U	1,217
	6/18/19	1 U	0.82 J	636	11.7	1 U	1 U	334	2.5	985
	9/18/19	1 U	0.73 J	896	13.2	1 U	1 U	369	1.1	1,280
	12/9/19	5 U	5 U	962	16.1	5 U	5 U	347	5 U	1,325
	3/23/20	2 U	2 U	936	18.1	2 U	2 U	366	2 U	1,320
	5/20/20	5 U	5 U	1,080	25.7	5 U	5 U	726	5 U	1,832
	8/13/20	5 U	5 U	1,160	52.8	5 U	5 U	426	4.3 J	1,643
	12/14/20	5 U	5 U	1,140	27.5	5 U	5 U	402	5 U	1,570
	3/23/21	5 U	5 U	1,110	22.1	5 U	5 U	486	5 UJ	1,618
	6/22/21	10 U	10 U	1,210	32.1	10 U	10 U	365	10 UJ	1,607
	9/21/21	5 U	3.6 J	1,700	61.2	5 U	5 U	349	4.3 J	2,118
	% ND	98%	47%	0%	2%	100%	100%	0%	27%	0%
	Min D	0.17	0.54	202	3.2	NA	NA	4.1	0.72	302.5
	Max D	0.17	13	7,500	115	NA	NA	1,850	57	7,855
	Mean D	0.17	4	1,765	33	NA	NA	548	10.5	2,355
	Trend	NA	NT - Stable	Decreasing	Decreasing	NA	NA	Decreasing	Decreasing	Decreasing

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

ENB-9	6/10/09	1 U	1 U	1 U	1 U	1 U	1 U	0.46 J	1 U	0.46
	9/22/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/17/09	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	3.0
	4/6/10	1 U	1 U	12.5	1 U	1 U	1 U	1.2	1 U	13.7
	6/29/10	1 U	1 U	5.4	1 UJ	1 U	1 U	1 U	1 U	5.4
	9/28/10	1 U	1 U	4.1	1 U	1 U	1 U	1 U	1 U	4.1
	12/28/10	1 U	1 U	2.6	1 U	1 U	1 U	1 U	1 U	2.6
	3/22/11	1 U	1 U	5.5	1 U	1 U	1 U	1.6	1 U	7.1
	6/22/11	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1.2
	10/5/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/14/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/27/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/28/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/3/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/4/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/2/13	1 U	1 U	1 U	1 U	2.7	1 U	1 U	1 U	2.7
	6/3/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/16/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/5/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/25/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/17/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/19/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/3/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	0
	3/10/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	0
	5/28/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/24/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/12/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	0
	7/7/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/27/16	1 U	1 U	1 UJ	1 U	0.53 U	1 U	1 U	1 U	0
	11/16/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/28/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/13/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/26/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/19/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/21/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	0
	5/9/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/28/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/11/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/7/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/17/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/17/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/12/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/16/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	5/19/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/13/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/14/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/25/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/23/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/21/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	% ND	100%	100%	86%	100%	98%	100%	94%	100%	0%
	Min D	NA	NA	1.2	NA	2.7	NA	0.46	NA	0
	Max D	NA	NA	12.5	NA	2.7	NA	1.6	NA	14
	Mean D	NA	NA	4.9	NA	2.7	NA	1.1	NA	0.8
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	Decreasing

Table 1

Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)

ENB-10	1/14/09	1 U	1 U	36	1 U	1 U	1 U	1 U	1 U	36.0
	9/23/09	1 U	1 U	32	1 U	1 U	1 U	0.78 J	2.9	35.7
	12/17/09	1 U	1 U	31.7	1 U	1 U	1 U	1 U	4.6	36.3
	4/6/10	1 U	1 U	13.7	1 U	1 U	1 U	1.6	1.8	17.1
	6/29/10	1 U	1 U	97.7	1 UJ	1 U	1 U	1 U	1.2	98.9
	9/28/10	1 U	1 U	16.7	1 U	1 U	1 U	1 U	5.9	22.6
	12/28/10	1 U	1 U	37.9	1 U	1 U	1 U	1 U	1.3	39.2
	3/22/11	1 U	1 U	55.4	1 U	1 U	1 U	1 U	1 U	55.4
	6/22/11	1 U	1 U	8.7	1 U	1 U	1 U	1 U	1 U	8.7
	10/5/11	1 U	1 U	4.4	1 U	1 U	1 U	1 U	2.0	6.4
	12/14/11	1 U	1 U	7.5	1 U	1 U	1 U	1 U	2.7	10.2
	3/28/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/28/12	1 U	1 U	4.4	1 U	1 U	1 U	1 U	1 U	4.4
	10/2/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/4/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/3/13	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U	1.5
	6/3/13	1 U	1 U	3.3	1 U	1 U	1 U	1 U	2.3	5.6
	10/16/13	1 U	1 U	2.8	1 U	1 U	1 U	1 U	2.1	4.9
	12/5/13	1 U	1 U	2.6	1 U	1 U	1 U	0.51 J	1.2	4.3
	3/25/14	1 U	1 U	3	1 U	1 U	1 U	1 U	1.2	4.2
	6/18/14	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1.6	4.0
	8/19/14	1 U	1 U	2.2	1 U	1 U	1 U	1 U	2.4	4.6
	12/3/14	1 U	1 U	1.2	1 U	1 U	1 U	0.51 J	1 UJ	1.7
	3/11/15	1 U	1 U	3.1	1 U	1 U	1 U	0.51 J	2.8 J	6.4
	5/27/15	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1.2	3.0
	8/24/15	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1.1	2.5
	12/14/15	1 U	1 U	2.1	1 U	1 U	1 U	1 U	1.2	3.3
	4/12/16	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1.6	3.3
	7/6/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/27/16	1 U	1 U	1.6 J	1 U	1 U	1 U	1 U	1.3	2.9
	11/15/16	1 U	1 U	1.3	1 U	1 UJ	1 U	1 U	1 UJ	1.3
	3/29/17	1 U	1 U	1.1	1 U	1 U	1 U	1 U	0.54 J	1.6
	6/13/17	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1.8	3.6
	9/26/17	1 U	1 U	2.1	1 U	1 U	1 U	1 U	6.2	8.3
	12/19/17	1 U	1 U	1.6	1 U	1 U	1 U	1 U	0.97 J	2.6
	3/21/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	5/9/18	1 U	1 U	1.7	1 U	1 U	1 U	1 U	0.71 J	2.4
	8/28/18	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1.3	3.0
	12/11/18	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1.3	2.7
	3/6/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/18/19	1 U	1 U	0.64 J	1 U	1 U	1 U	1 U	1 U	0.6
	9/19/19	1 U	1 U	1.0	1 U	1 U	1 U	1 U	1.7	2.7
	12/12/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/23/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	5/19/20	1 U	1 UJ	1.1	1 U	1 U	1 U	1 U	1.4	2.5
	8/13/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/15/20	1 U	1 U	0.53 J	1 U	1 U	1 U	1 U	1 U	0.5
	3/25/21	1 U	1 U	0.52 J	1 U	1 U	1 U	1 U	1 U	0.5
	6/22/21	1 U	1 U	2.2	1 U	1 U	1 U	1 U	1 U	2.2
	9/21/21	1 U	1 U	0.62 J	1 U	1 U	1 U	1 U	1 U	0.6
	% ND	100%	100%	18%	100%	100%	100%	90%	42%	0%
	Min D	NA	NA	0.52	NA	NA	NA	0.51	0.54	0
	Max D	NA	NA	97.7	NA	NA	NA	1.6	6.2	98.9
	Mean D	NA	NA	9.7	NA	NA	NA	0.78	2	9.2
	Trend	NA	NA	Decreasing	NA	NA	NA	NA	Decreasing	Decreasing
MW-1B	4/1/09	1 U	1 U	1 J	1 U	1 U	1 U	1.8	1 U	2.8
	6/8/09	1 U	1 U	0.87 J	1 U	1 U	1 U	1.6	1 U	2.5
	9/22/09	1 U	1 U	0.79 J	1 U	1 U	1 U	1.9	1 U	2.7
	12/18/09	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1.8
	4/6/10	1 U	1 U	4.5	1 U	1 U	1 U	9.9	1 U	14.4
	6/29/10	1 U	1 U	1.4	1 UJ	1 U	1 U	1.7	1 U	3.1
	9/29/10	1 U	1 U	2.2	1 U	1 U	1 U	3.6	1 U	5.8
	12/29/10	1 U	1 U	1.9	1 U	1 U	1 U	2.5	1 U	4.4
	3/25/11	1 U	1 U	4.1	1 U	1 U	1 U	4.6	1 U	8.7
	6/22/11	1 U	1 U	1.1	1 U	1 U	1 U	1.6	1 U	2.7
	10/4/11	1 U	1 U	1.1	1 U	1 U	1 U	1	1 U	2.1
	12/14/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/27/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/29/12	1 U	1 U	4.3	1 U	1 U	1 U	6.7	1 U	11.0
	10/3/12	1 U	1 U	2.0	1 U	1 U	1 U	2.8	1 U	4.8
	12/5/12	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1
	4/2/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/5/13	1 U	1 U	20.3	1 U	1 U	1 U	28.9	1 U	49.2
	10/18/13	1 U	1 U	0.67 J	1 U	1 U	1 U	1.5	1 U	2.2
	12/5/13	1 U	1 U	1.2	1 U	1 U	1 U	1.3	1 U	2.5
	3/27/14	1 U	1 U	0.83 J	1 U	1 U	1 U	1.1	1 U	1.9
	6/17/14	1 U	1 U	1 U	1 U	1 U	1 U	0.58 J	1 U	0.6
	8/20/14	1 U	1 U	1	1 U	1 U	1 U	1.6	1 U	2.6
	12/4/14	1 U	1 U	1 U	1 U	1 U	1 U	0.95 J	1 U	1.0
	3/12/15	0.67 J	1 U	1.6	1 U	1 U	1 U	1.1	1 U	3.4
	5/28/15	1 U	1 U	2.1	1 U	1 U	1 U	4.7	1 U	6.8
	8/24/15	0.27 J	0.84 J	253	1.9	1 U	1 U	484	6.2	746
	12/14/15	1 U	0.84 J	200	1.7	1 U	1 U	321	2.5	526
	4/12/16	1 U	1 U	0.70 J	1 U	1 U	1 U	1.0	1 U	1.7
	7/6/16	2 U	1.4 J	665	6.2	2 U	2 U	1,210	13.8	1,896
	9/28/16	1 U	3.5	965 J	16.3	1.1 U	1 U	1,400	34.6	2,419
	11/15/16	10 U	10 U	404	4.4 J	10 UJ	10 U	462	5.1 J	876
	3/28/17	1 U	1 U	17.9	1 U	1 U	1 U	29.7	1 U	47.6
	6/14/17	2.5 U	2.5 U	416	8.4	2.5 U	2.5 U	769	7.2	1,201
	9/26/17	10 U	10 U	663	7.9 J	10 U	10 U	1,120	7.8 J	1,799
	12/18/17	1 U	1.2	434	5.4	1 U	1 U	699	9.0	1,149
	3/21/18	0.29 J	1 U	0.78 J	1 U	1 U	1 U	1 J	1 U	2.0
	5/8/18	1 U	1 U	4.1	1 U	1 U	1 U	8.5	1 U	12.6
	8/29/18	1 U	1 U	7.0	1 U	1 U	1 U	14.0	1 U	21.0
	12/12/18	1 U	1 U	72.0	0.77 J	1 U	1 U	115	1 U	188
	3/5/19	1 U	1 U	78.5 UJ	0.72 J	1 U	1 U	154 UJ	1 U	0.7
	6/18/19	1 U	1 U	1 U	1 U	1 U	1 U	0.67 J	1 U	0.7
	9/18/19	1 U	1 U	10.4	1 U	1 U	1 U	15.7	1 U	26.1
	12/12/19	1 U	1 U	1 U	1 U	1 U	1 U	0.57 J	1 U	0.6
	3/18/20	1 U	1 U	1.3	1 U	1 U	1 U	1.7	1 U	3.0
	5/15/20	1 U	1 UJ	4.4	1 U	1 U	1 U	6.5	1 U	10.9
	8/12/20	1 U	1 U	25.1	1 U	1 U	1 U	60	1 U	85.1
	12/18/20	1 U	1 U	0.76 J	1 U	1 U	1 U	0.56 J	1 U	1.3
	3/24/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/23/21	1 U	1 U	4.1	1 U	1 U	1 U	7.3	1 U	11.4
	9/22/21	1 U	1 U	31.1	1 U	1 U	1 U	57.7	1 U	88.8
	% ND	94%	90%	20%	80%	100%	100%	8%	84%	0%
	Min D	0.27	0.84	0.67	0.72	NA	NA	0.56	2.5	0
	Max D	0.67	3.5	965	16.3	NA	NA	1,400	34.6	2,419
	Mean D	0.41	1.6	105 J	5.4	NA	NA	149.4	10.8	220.6
	Trend	NA	NA	Increasing	NA	NA	NA	NT	NA	NT

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

MW-2B	4/1/09	1 U	8.8	5,600 D	65.0	30.0	0.36 J	20,000 D	40.0	25,744
	9/22/09	200 U	200 U	6,400 D	200 U	200 U	200 U	21,000 D	82.0 D	27,482
	4/6/10	1 U	14.0	5,510 D	63.8	28.2	1 U	19,500 D	133	25,249
	10/5/10	1 U	19.7	7,560	122	30.8	1 U	18,100	50.1	25,883
	3/24/11	1 U	5.7	5,010	19.9	14.6	1 U	12,200	21.6	17,272
	10/4/11	1 UR	28.7 J	9,500 J	63.8 J	32.4 J	1 UR	23,200 J	199 J	33,026
	3/27/12	1 U	9.9	3,650	57.5	13.3	1 U	7,010	24.1	10,765
	10/1/12	200 U	200 U	5,900	200 U	200 U	200 U	13,800	200 U	19,700
	4/3/13	1 U	10.9	6,420	30.9	6.0	1 U	9,730	39.8	16,238
	10/18/13	20 U	19.1 J	9,420	65.8	14.1 J	20 U	19,800	118	29,437
	3/27/14	40 U	40 U	6,230	24.2 J	40 U	40 U	13,800	52.7	20,107
	8/20/14	0.43 J	15.8 J	5,780	48.7	12.4	1 U	11,700 J	115 J	17,672
	3/12/15	0.41 J	13.4	6,000	38.1	19.4	1 U	11,600	19.6	17,691
	8/24/15	0.47 J	15.9	6,820	37.5	16.3	1 U	15,700	69.2	22,659
	4/12/16	50 U	50 U	5,960	26.6 J	50 U	50 U	13,300	52.0	19,339
	9/27/16	50 U	50 U	6,050 J	32.2 J	50 U	50 U	9,730	50 U	15,812
	3/28/17	50 U	50 U	6,980	29.5 J	12.8 J	50 U	16,900	50 U	23,922
	9/27/17	100 U	100 U	5,970	58.8 J	100 U	100 U	15,100	100 U	21,129
	3/21/18	50 U	50 U	4,770	28.1 J	50 U	50 U	12,400	50 U	17,198
	8/29/18	20 U	20 U	4,580	32.3	20 U	20 U	9,400	48.3	14,061
	3/5/19	20 U	20 U	3,830	23.0	20 U	20 U	7,600	20 U	11,453
	9/19/19	20 U	20 U	3,680	20.8	20 U	20 U	7,100	76.8	10,878
	3/18/20	1 U	10.4	3,460	40.2	9.1	1 U	8,760	14.4	12,294
	8/12/20	20 U	13.8 J	6,260	27.8	20 U	20 U	1,700	149	8,151
	9/22/21	10 U	12.3	5,190	34.0	10 U	10 U	8,740	142	14,118
	% ND	88%	44%	0%	8%	48%	96%	0%	24%	0%
	Min D	0.41	5.7	3,460	19.9	6	0.36	1,700	14.4	8,151
	Max D	0.47	28.7	9,500	122	32.4	0.36	23,200	199	33,026
	Mean D	0.44	14.2	5,861	43.1	18.4	0.36	13,115	76.1	19,091
	Trend	NA	NT - Stable	Decreasing	NT - Stable	Decreasing	NA	Decreasing	NT - Stable	Decreasing
MW-3B	4/3/09	1 U	4.4	1,900 D	35.0	1.3	1 U	1,300 D	210 D	3,451
	9/22/09	20 U	20 U	1,400 D	15.0 J	20 U	20 U	310 D	97.0 D	1,822
	4/6/10	1 U	4.0	1,190 D	17.0	1.5	1 U	1,500 D	181	2,894
	10/5/10	1 U	3.3	1,430	25.1	1 U	1 U	752	143	2,353
	3/25/11	1 U	1 U	749	10.6	1 U	1 U	77.2	146	983
	10/4/11	1 U	11.5 J	2,450 J	55.5 J	1 U	1 U	1,900 J	321 J	4,738
	3/27/12	1 U	4.3	994	30.7	1 U	1 U	456	200	1,685
	10/1/12	20 U	20 U	1,150	21.1	20 U	20 U	960 J	175	2,306
	4/2/13	1 U	3.0	337	9.2	1 U	1 U	180	93.2	622
	10/18/13	1 U	2.2	577	10.5	1 U	1 U	444	250	1,284
	3/27/14	2 U	2 U	377	8.6	2 U	2 U	69.0	83.5	538
	8/19/14	1 U	1.0 J	558	13.8	1 U	1 U	101	176 J	850
	3/11/15	1 U	2.4	723	16.9	1 U	1 U	222	199 J	1,163
	8/24/15	1 U	1.8	512	16.8	1 U	1 U	97.2	247	875
	4/12/16	2 U	2 U	651	13.5	2 U	2 U	27.9	183	875
	9/28/16	4 U	4 U	957 J	18.4	4 U	4 U	849 J	21.8	1,846
	3/28/17	1 U	0.85 J	335	7.1	1 U	1 U	90.8	80.9	515
	9/27/17	1 U	1.8	766	12.9	1 U	1 U	319	153	1,253
	3/21/18	1 U	0.81 J	315	6.0	1 U	1 U	87.7	58.8	468
	8/29/18	1 U	0.96 J	339	4.8	1 U	1 U	175	91.9	612
	3/5/19	1 U	1.2	354	6.8	1 U	1 U	37.2	119	518
	9/18/19	10 U	10 U	2,550	33.8	10 U	10 U	1,690	213	4,487
	3/18/20	5 U	3.8 J	1,830	18.9	5 U	5 U	1850	16.3	3,719
	8/12/20	20 U	20 U	4,160	34	20 U	20 U	3,750	192	8,136
	9/22/21	10 U	10.3	4,160	40.5	10 U	10 U	5,020	58.2	9,289
	% ND	100%	32%	0%	0%	92%	100%	0%	0%	0%
	Min D	NA	0.81	315	4.8	1.3	NA	27.9	16.3	468.3
	Max D	NA	11.5	4,160	55.5	1.5	NA	5,020	321	9,289
	Mean D	NA	3.4	1,231	19.3	1.4	NA	890.6	148.4	2,291
	Trend	NA	NT	NT - Stable	NT - Stable	NA	NA	NT	Decreasing	NT

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

MW-4B	4/1/09	1 U	1 U	1 U	1 U	1 U	1 U	0.22 J	1 U	0.22
	6/8/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/24/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1.2
	12/18/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.5	4.5
	4/7/10	1 U	1 U	2.2	1 U	1 U	1 U	1.4	1 U	3.6
	6/30/10	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1.6	1.6
	9/29/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.1	4.1
	12/29/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	2.1
	3/24/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/22/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/4/11	1 U	1 U	1.6 J	1 U	1 U	1 U	1.6 J	8.3 J	11.5
	12/14/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1.9
	3/27/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/29/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	2.3
	10/3/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6.2	6.2
	12/5/12	1 U	1 U	1.4	1 U	1 U	1 U	1 U	15.6	17.0
	4/3/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.2	4.2
	6/5/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1.3
	10/18/13	1 U	1 U	1.3	1 U	1 U	1 U	1 U	15.6	16.9
	12/5/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	2.5
	3/27/14	1 U	1 U	0.62 J	1 U	1 U	1 U	1 U	6.6	7.2
	6/17/14	1 U	1 U	0.95 J	1 U	1 U	1 U	1 U	25	26.0
	8/19/14	1 U	1 U	0.89 J	1 U	1 U	1 U	1 U	9.7	10.6
	12/4/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.4 J	2.4
	3/12/15	1 U	1 U	0.95 J	1 U	1 U	1 U	1 U	9.3	10.3
	5/28/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.7	2.7
	8/24/15	1 U	1 U	0.38 J	1 U	1 U	1 U	1 U	3.9	4.3
	12/14/15	1 U	1 U	0.57 J	1 U	1 U	1 U	1 U	4.1	4.7
	4/12/16	1 U	1 U	0.6 J	1 U	1 U	1 U	1 U	9.2	9.8
	7/6/16	1 U	1 U	0.53 J	1 U	1 U	1 U	1 U	4.5 J	5.0
	9/28/16	1 U	1 U	0.91 J	1 U	1 U	1 U	1 U	7.9	8.8
	11/15/16	1 U	1 U	1.1	1 U	1 UJ	1 U	1 U	11.3 J	12.4
	3/28/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.0	2.0
	6/12/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.0	3.0
	9/27/17	1 U	1 U	0.57 J	1 U	1 U	1 U	1 U	4.8	5.4
	12/18/17	1 U	1 U	0.54 J	1 U	1 U	1 U	1 U	4.4	4.9
	3/20/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.4	4.4
	5/9/18	1 U	1 U	0.69 J	1 U	1 U	1 U	1 U	5.1	5.8
	8/28/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	2.2
	12/12/18	1 U	1 U	0.56 J	1 U	1 U	1 U	1 U	8.0	8.6
	3/6/19	1 U	1 U	0.76 J	1 U	1 U	1 U	1 U	9.7	10.5
	6/18/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1.8
	9/19/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	2.1
	12/12/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.7	2.7
	3/19/20	1 U	1 U	2.1	1 U	1 U	1 U	1 U	25.1	27.2
	5/14/20	1 U	1 UJ	1.4	1 U	1 U	1 U	1 U	14.6	16.0
	8/12/20	1 U	1 U	1.2	1 U	1 U	1 U	1 U	14.9	16.1
	12/18/20	1 U	1 U	0.84 J	1 U	1 U	1 U	1 U	10.2	11.0
	3/24/21	1 U	1 U	1.2	1 U	1 U	1 U	1 U	14.7	15.9
	6/23/21	1 U	1 U	0.88 J	1 U	1 U	1 U	1 U	9.6	10.5
	9/22/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6.3	6.3
	%ND	100%	100%	53%	100%	100%	100%	94%	12%	0%
	Min D	NA	NA	0.38	NA	NA	NA	0.22	1.2	0
	Max D	NA	NA	2.2	NA	NA	NA	1.6	25.1	27.2
	Mean D	NA	NA	1	NA	NA	NA	1.1	7	7
	Trend	NA	NA	NA	NA	NA	NA	NA	Increasing	Increasing

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

MW-5B	1/14/09	1 U	43.0	19,000 D	800 UD	89	1 U	52,000 D	700 DJ	72,632
	9/23/09	80 U	80 U	5,800 D	49.0 J	80 U	80 U	5,200 D	140 D	11,189
	12/21/09	1 U	2.3	1,210 D	24.1	1.3	1 U	657 D	52.9	1,948
	4/6/10	1 U	6.4	3,990 D	101	10.2	1 U	3,750 D	257	8,115
	6/30/10	1 U	1.4 J	1,410	20.3	1.7	1 U	781	10.3	2,225
	9/29/10	1 U	12.4	7,140	123	11.5	1 U	4,450	511	12,248
	12/29/10	1 U	17.7	10,400	81.3	15.1	1 U	6,660	491	17,665
	3/25/11	1 U	1.5	967	10.1	3.8	1 U	1,330	5.6	2,318
	6/22/11	1 U	1 U	407	4.8	1 U	1 U	297	1 U	709
	10/4/11	1 UR	2.8 J	1,510 J	18.4 J	1 UR	1 UR	161 J	1 UR	1,696
	12/14/11	1 U	4.8	2,480	29.3	1 U	1 U	399	89.7	3,003
	3/27/12	1 U	6.0	4,420	59.6	3.5	1 U	3,450	55	7,994
	6/29/12	1 U	1.5	713	11.8	1 U	1 U	338	116	1,180
	10/3/12	20 U	20 U	279	20 U	20 U	20 U	40.6	151	471
	12/5/12	1 U	4.7	1,250	38.6	1 U	1 U	261	314	1,868
	4/3/13	5 U	5 U	918	18.1	5 U	5 U	406	52.8	1,395
	6/5/13	10 U	10 U	1,130	10 U	10 U	10 U	512	10 U	1,642
	10/18/13	5 U	5 U	1,950	29.7	5 U	5 U	352	249	2,581
	12/5/13	1 U	1 U	975	10.8	0.94 J	1 U	347	12.7	1,346
	3/27/14	2 U	2 U	515	6.8	2 U	2 U	272	5.6	799
	6/17/14	5 U	5 U	507	6.7	5 U	5 U	1,160	29.8	1,704
	8/20/14	2 U	2 U	694	12.9	2 U	2 U	120	105 J	932
	12/4/14	1 U	1.1	527	9.1	0.94 J	1 U	542	51 J	1,131
	3/11/15	2 U	2 U	342	7.0	1.3 J	2 U	742	1.7 J	1,094
	5/28/15	2 U	1.4 J	760	14.0	1.3 J	2 U	727	6.4	1,510
	8/24/15	1 U	2.2	716	11.5	2.7	1 U	1,200	44.9	1,977
	12/14/15	1 U	3	880	13.7	5	1 U	1,560	25.0	2,487
	4/12/16	2 U	2 U	584	13.1	1.3 J	2 U	649	6.5	1,254
	7/7/16	10 U	10 U	705	9.6 J	10 U	10 U	875	10 U	1,590
	9/28/16	4 U	4 U	870 J	14.8	1.8 U	4 U	573	26.4	1,484
	11/15/16	5 U	5 U	791	12.5	1.7 J	5 U	682	15.4 J	1,503
	3/28/17	1 U	0.42 J	226	5.4	1.3	1 U	591	2.3	826
	6/14/17	2.5 U	2.5 U	199	5.6	2.1 J	2.5 U	864	9.4	1,080
	9/27/17	2 U	1.1 J	521	8.1	2.2	2 U	961	8.8	1,502
	12/19/17	1 U	0.64 J	331	6.6	0.83 J	1 U	527	1.1	867
	3/21/18	1 U	1 U	223	4.8	1 U	1 U	143	29.2	400
	5/9/18	1 U	1 U	135	3.8	0.62 J	1 U	232	16.1	388
	8/29/18	1 U	1 U	88.4	2.2	1 U	1 U	248	19.1	358
	12/12/18	1 U	1 U	53.5	1.2	1 U	1 U	198	1.0	254
	3/6/19	1 U	1 U	104	2.1	1 U	1 U	478	1 U	584
	6/19/19	1 U	1 U	161	2.8	1 U	1 U	313	2.7	480
	9/19/19	2.5 U	2.5 U	454	5.6	2.5 U	2.5 U	479	4.4	943
	12/12/19	5 U	5 U	528	8.0	5 U	5 U	722	5 U	1,258
	3/18/20	5 U	5 U	644	17.8	5 U	5 U	575	5.4	1,242
	5/15/20	5 U	5 UJ	394	11.5	5 U	5 U	696	5 U	1,102
	8/12/20	5 U	5 U	898	18.7	5 U	5 U	924	16.3	1,857
	12/18/20	1 U	1 U	260	8.7	1 U	1 U	375	1 U	644
	3/24/21	1 U	1 U	298	9.9	1 U	1 U	491	1.9	801
	6/23/21	1 U	0.81 J	384	10.2	1 U	1 U	290	22.3	707
	9/22/21	1 U	1.2	393	8.0	1.3	1 U	552	3.2	959
	% ND	100%	58%	0%	6%	58%	100%	0%	16%	0%
	Min D	NA	0.42	53.5	1.2	0.83	NA	40.6	1	253.7
	Max D	NA	43	19,000	123	89	NA	52,000	700	72,632
	Mean D	NA	5.5	1,603	19.2	7.6	NA	2,003	87.4	3,719
	Trend	NA	NA	Decreasing	Decreasing	NA	NA	Decreasing	Decreasing	Decreasing
MW-5-25	6/14/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/26/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/19/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/23/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	5/9/18	1 U	1 U	6.4	1 U	1 U	1 U	2.7	1 U	9.1
	8/29/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/12/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/6/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/19/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/19/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/12/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/12/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/16/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/23/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/23/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/21/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	% ND	100%	100%	93%	100%	100%	100%	8.4%	100%	0%
	Min D	NA	NA	6.4	NA	NA	NA	2.7	NA	0
	Max D	NA	NA	6.4	NA	NA	NA	2.7	NA	9
	Mean D	NA	NA	6.4	NA	NA	NA	2.7	NA	0.56
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NT - Stable

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

MW-5-40	4/1/09	1 U	22.0	12,000 D	92.0 DJ	2.0	1 U	11,000 D	510 D	23,626
	9/22/09	200 U	200 U	16,000	200 U	200 U	200 U	28,000 D	270	44,270
	4/7/10	1 U	23.2	13,400 D	177	3.6	1 U	6,540 D	390	20,534
	10/4/10	1 U	28.7	11,400	128	5.3	1 U	5,550	314	17,426
	3/25/11	1 U	5.7	18,000	111	2.7	1 U	6,390	774	25,283
	10/4/11	1 U	7.7 J	6,720 J	48.1 J	3.8	1 U	6,760 J	384 J	13,924
	3/28/12	1 U	11.2	10,200	89.1	4.0	1 U	6,600	314	17,218
	10/4/12	200 U	200 U	9,780	200 U	200 U	200 U	6,840	460	17,080
	4/3/13	1 U	21.6	8,470	149	2.5	1 U	4,050	452	13,145
	10/18/13	20 U	25.8	13,100	96.4	20.0 U	20 U	9,580	711	23,513
	3/27/14	50 U	50 U	10,900	101	50 U	50 U	6,080	657	17,738
	8/20/14	20 U	20 U	7,740	112	20 U	20 U	4,920	563 J	13,335
	3/11/15	0.58 J	20.2	6,820	151	3.0	1 U	2,320	565	9,880
	8/24/15	0.63 J	19.1	8,180	224	4.8	1 U	5,370	969	14,768
	4/12/16	20 U	17.7 J	12,700	237	20 U	20 U	1,550	1,140	15,645
	9/27/16	50 U	50 U	12,000 J	143	50 U	50 U	4,490	683	17,316
	3/28/17	25 U	22.5 J	12,300	192	25 U	25 U	4,430	505	17,450
	6/14/17	25 U	30.0	15,100	264	25 U	25 U	3,720	878	19,992
	9/26/17	100 U	47.3 J	19,000	284	100 U	100 U	4,600	939	24,870
	12/19/17	10 U	36.9	16,500	232	10 U	10 U	3,230	975	20,974
	3/20/18	50 U	29.6 J	15,400	270	50 U	50 U	2,500	1,190	19,390
	5/9/18	50 U	33.9 J	18,100	294	50 U	50 U	2,000	1,000	21,428
	8/29/18	50 U	50 U	16,500	256	50 U	50 U	3,780	733	21,269
	12/12/18	50 U	50 U	13,600	176	50 U	50 U	2,630	909	17,315
	3/6/19	25 U	22.5 J	9,840	226	25 U	25 U	3,910	852	14,851
	6/19/19	0.75 J	27.1	11,400	247	1.8	1 U	3,040	979	15,696
	9/19/19	5 U	24.0	12,200	325	5 U	5 U	1,310	1,010	14,869
	12/10/19	25 U	25 U	4,640	18.6 J	25 U	25 U	49.8	164	4,872
	3/20/20	20 U	20.6	10,100	318	20 U	20 U	2,840	1,600	14,879
	5/14/20	20 U	20.6	9,130	233	20 U	20 U	2,790 J	884	13,058
	8/12/20	25 U	16.7 J	10,200	263	25 U	25 U	2,320	1,310	14,110
	12/17/20	10 U	6.9 J	3,760	133	10 U	10 U	1,020	1,150	6,070
	3/24/21	10 U	16.9	8,600	327	10 U	10 U	1,460	1,280	11,684
	6/23/21	20 U	21.1	8,370	158	20 U	20 U	54.6	2,400	11,004
	9/22/21	100 U	100 U	10,900	68.4	100 U	100 U	287	1,580	12,835
	% ND	91%	26%	0%	6%	71%	100%	0%	0%	0%
	Min D	0.58	5.7	3,760	18.6	1.8	NA	49.8	164	4,872
	Max D	0.75	47.3	19,000	327	5.3	NA	28,000	2,400	44,270
	Mean D	0.65	22.3	11,516	186.2	3.4	NA	4,629	842.7	17,180
	Trend	NA	NT - Stable	NT - Stable	Increasing	NA	NA	Decreasing	Increasing	Decreasing
MW-5-100	4/1/09	1 U	1 U	17	0.31 J	1 U	1 U	0.98 J	5.9	24.2
	6/10/09	1 U	1.5	1,600 D	25	0.74 J	1 U	580 D	1 U	2,207
	9/22/09	1 U	1 U	23.0	1 U	1 U	1 U	2.8	5.2	31.0
	4/7/10	1 U	1 U	37.3	1 U	1 U	1 U	4.7	5.4	47.4
	10/4/10	1 U	1 U	39.9	1 U	1 U	1 U	1.8	13.1	54.8
	3/25/11	1 U	1 U	13.5	1 U	1 U	1 U	2.2	7.3	23.0
	6/29/12	1 U	1 U	7.1	1 U	1 U	1 U	1 U	5.8	12.9
	10/4/12	1 U	1 U	3.72	1 U	1 U	1 U	2.95	1.72	8.4
	4/3/13	1 U	1 U	3.5	1 U	1 U	1 U	1 U	3.7	7.2
	10/18/13	1 U	1 U	2.5	1 U	1 U	1 U	1.4	2.5	6.4
	3/27/14	1 U	1 U	2.0	1 U	1 U	1 U	1 U	3.3	5.3
	8/19/14	1 U	1 U	2.5	1 U	1 U	1 U	2.6 0	3.6 J	8.7
	3/11/15	1 U	0.90 J	20.0	0.77 J	1 U	1 U	0.57 J	42.9	65.1
	8/24/15	1 U	1 U	3.2	0.79 J	1 U	1 U	0.41 J	14.5	18.9
	4/12/16	1 U	1 U	2.2	1 U	1 U	1 U	1 U	4.5	6.7
	9/28/16	1 U	1 U	2.1 J	1 U	1 U	1 U	0.54 J	1.5	4.1
	3/29/17	1 U	1 U	2.0	1 U	1 U	1 U	0.26 J	1.5	3.8
	9/27/17	1 U	1 U	2.3	1 U	1 U	1 U	0.53 J	2.1	4.9
	3/20/18	1 U	1 U	2.2	1 U	1 U	1 U	0.39 J	1.8	4.4
	8/29/18	1 U	1 U	2.5	1 U	1 U	1 U	1 U	1.8	4.3
	3/6/19	1 U	1 U	2.2	1 U	1 U	1 U	1 U	1.5	3.7
	9/19/19	1 U	1 U	2	1 U	1 U	1 U	1 U	1.4	3.4
	3/20/20	1 U	1 U	2	1 U	1 U	1 U	1 U	1.1	3.1
	8/12/20	1 U	1 U	2	1 U	1 U	1 U	1 U	1.5	3.5
	9/21/21	1 U	0.68 J	554	2.7	1 U	1 U	4.6	95.3	657
	% ND	100%	88%	0%	80%	96%	100%	36%	4%	0%
	Min D	NA	0.68	2	0.31	0.74	NA	0.26	1.1	3.1
	Max D	NA	1.5	1,600	25	0.74	NA	580	95.3	2,207
	Mean D	NA	1	94	5.9	0.74	NA	37.9	9.5	128.8
	Trend	NA	NA	Decreasing	NA	NA	NA	Decreasing	Decreasing	Decreasing
MW-7B	3/11/15	1 U	1.7	951	10.8	1 U	1 U	3.0	401	1,368
	4/12/16	1 UJ	1 UJ	1.3 J	1 UJ	1 UJ	1 UJ	0.79 J	1 UJ	2.1
	9/27/16	1 UJ	1 UJ	1.3 J	1 UJ	1 UJ	1 UJ	0.79 J	1 UJ	2.1
	3/29/17	1 U	1 U	5.1	1 U	1 U	1 U	0.63 J	2.4	8.1
	6/13/17	1 U	1 U	251	1.7	1 U	1 U	13.5	97.9	364
	9/28/17	1 U	1 U	11.8	1	1 U	1 U	0.73 J	76.2	90
	12/19/17	1 U	1 U	1.0	1 U	1 U	1 U	1 U	3.4	4.4
	3/20/18	1 U	1 U	0.54 J	1 U	1 U	1 U	0.36 J	1.5	2.4
	5/8/18	1 U	1 U	199	1.1	1 U	1 U	175	11.3	386
	8/29/18	1 U	1 U	25.4	1 U	1 U	1 U	11.5	2	39
	12/12/18	1 U	1 U	17.0	1 U	1 U	1 U	3.2	1 U	20
	3/5/19	1 U	1 U	5.3	1 U	1 U	1 U	0.84 J	1 U	6.1
	6/10/19	1 U	1 U	8.9	1 U	1 U	1 U	0.84 J	1 U	9.7
	9/17/19	1 U	1 U	182	1.6	1 U	1 U	46.3	43.0	273
	12/11/19	1 U	1 U	2.2	1 U	1 U	1 U	1 U	1 U	2.2
	3/19/20	1 U	1 U	111	0.74 J	1 U	1 U	19.9	13.2	145
	5/13/20	1 U	1 UJ	29	1 U	1 U	1 U	10.1	2.9	42
	8/12/20	1 U	1 U	115	0.87 J	1 U	1 U	4.5	86.8	207
	12/16/20	1 U	1 U	52	1 U	1 U	1 U	12.2	7.9	72
	3/23/21	1 U	1 UJ	139	0.78 J	1 U	1 U	39.7	15.9	195
	6/23/21	1 U	1 U	4.0	1 U	1 U	1 U	1 U	1 U	4.0
	9/21/21	2.5 U	2.5 U	207	1.4 J	2.5 U	2.5 U	9.6	40	258
	% ND	100%	95%	0%	59%	100%	100%	14%	32%	0%
	Min D	NA	1.7	0.54	0.74	NA	NA	0.36	1.5	2
	Max D	NA	1.7	951	10.8	NA	NA	175	401	1,368
	Mean D	NA	1.7	105.4	2.2	NA	NA	18.6	53.7	159
	Trend	NA	NA	NT	NA	NA	NA	NT	NT	NT

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

MW-7-40	4/2/09	1 U	1 U	33.0	1.5	1 U	1 U	1 U	30.0	65
	6/11/09	1 U	1 U	140 D	2.3	1 U	1 U	0.51 J	4.1	147
	9/23/09	1 U	1 U	97.0	2.0	1 U	1 U	1 U	29.0	128
	4/8/10	1 U	1 U	227	1.6	1 U	1 U	1 U	8.2	237
	10/6/10	1 U	1 U	145	1.0	1 U	1 U	1 U	10.7	157
	3/25/11	1 U	1 U	150	1 U	1 U	1 U	3.2	17.7	171
	10/4/11	1 U	1 U	267	2.9	1 U	1 U	1 U	42.7	313
	3/27/12	1 U	1 U	206	1.1	1 U	1 U	1 U	38.3	245
	10/4/12	5 U	5 U	130	5 U	5 U	5 U	5 U	32.9	163
	4/4/13	1 U	1 U	155	1.6	1 U	1 U	1 U	33.4	190
	3/26/14	1 U	1 U	138	1.4	1 U	1 U	1 U	22.6	162
	8/19/14	1 U	1 U	218	2.4	1 U	1 U	1 U	31.9	252
	3/12/15	1 U	1 U	115	0.85 J	1 U	1 U	1 U	14.5	130
	8/24/15	1 U	1 U	161	1.30	1 U	1 U	1 U	33.2	196
	4/14/16	1 U	1 U	156	1.1	1 U	1 U	1 U	64.9	222
	9/28/16	1 U	1 U	133 J	0.95 J	1 U	1 U	0.79 J	39.4	174
	3/31/17	1 U	1 U	88.6	1 U	1 U	1 U	1 U	29.3	118
	9/29/17	1 U	1 U	88.2	0.4 J	1 U	1 U	1 U	38.9	128
	3/23/18	1 U	1 U	104	0.76 J	1 U	1 U	1 U	27.2	132
	8/31/18	1 U	1 U	179	3.1	1 U	1 U	1 U	23.2	205
	3/7/19	1 U	1 U	84.7	1 U	1 U	1 U	1 U	27.6	112
	9/18/19	1 U	1 U	75.6	1 U	1 U	1 U	1 U	30.3	106
	3/23/20	1 U	1 U	127	0.83 J	1 U	1 U	1 U	1 U	128
	8/13/20	1 U	1 U	82.8	0.54 J	1 U	1 U	1 U	22.2	106
	9/21/21	1 U	1 U	85.6	1.1	1 U	1 U	1 U	15.2	102
	% ND	100%	100%	0%	20%	100%	100%	88%	4%	0%
	Min D	NA	NA	33	0.4	NA	NA	0.51	4.1	64.5
	Max D	NA	NA	267	3.1	NA	NA	3.2	64.9	312.6
	Mean D	NA	NA	135.5	1.4	NA	NA	1.5	27.8	163.5
	Trend	NA	NA	Decreasing	Decreasing	NA	NA	NA	NT - Stable	Decreasing

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

MW-8B	3/29/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/13/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/26/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/19/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/20/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	5/8/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/29/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/12/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/5/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/19/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/19/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/11/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/19/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	5/13/20	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/11/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/16/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/23/21	1 U	1 UJ	0.63 J	1 U	1 U	1 U	1 U	1 U	0.63
	6/23/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	0
	9/21/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	%ND	100%	100%	95%	100%	100%	100%	100%	100%	0%
	Min D	NA	NA	0.63	NA	NA	NA	NA	NA	0
	Max D	NA	NA	0.63	NA	NA	NA	NA	NA	0.63
	Mean D	NA	NA	0.63	NA	NA	NA	NA	NA	0.03
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NT
MW-8-40	4/3/09	1 U	1 U	1 U	1 U	1 U	1 U	0.74 J	1 U	0.74
	6/9/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/24/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/8/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/7/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/23/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/4/11	1 UR	1 UR	1 UR	1 UR	1 UR	1 UR	1 UR	1 UR	0
	3/27/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/3/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/3/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/28/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/27/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/19/14	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	0
	3/16/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/24/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/14/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/27/16	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	0
	3/31/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/28/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/21/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/30/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/8/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/19/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/11/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/18/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/13/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/23/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	%ND	100%	100%	100%	100%	100%	100%	96%	100%	0%
	Min D	NA	NA	NA	NA	NA	NA	0.74	NA	0
	Max D	NA	NA	NA	NA	NA	NA	0.74	NA	0.74
	Mean D	NA	NA	NA	NA	NA	NA	0.74	NA	0.03
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NT
MW-12C	6/13/17	1 U	1 U	4.8	1 U	1 U	1 U	1.3	0.66 J	6.8
	12/20/17	1 U	1 U	6.8	1 U	1 U	1 U	0.91 J	0.84 J	8.6
	3/20/18	1 U	1 U	5.6	1 U	1 U	1 U	0.75 J	0.68 J	7.0
	5/9/18	1 U	1 U	4.2	1 U	1 U	1 U	0.48 J	1 U	4.7
	8/29/18	1 U	1 U	3.8	1 U	1 U	1 U	0.79 J	1 U	4.6
	12/12/18	1 U	1 U	3.0	1 U	1 U	1 U	1.1	1 U	4.1
	3/6/19	1 U	1 U	3.0	1 U	1 U	1 U	1 U	1 U	3.0
	6/19/19	1 U	1 U	2.2	1 U	1 U	1 U	0.60 J	1 U	2.8
	9/18/19	1 U	1 U	2.7	1 U	1 U	1 U	0.72 J	1 U	3.4
	12/9/19	1 U	1 U	2.0	1 U	1 U	1 U	1 U	1 U	2.0
	3/20/20	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	0
	5/13/20	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	0
	8/12/20	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	0.7
	12/16/20	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1.4
	3/24/21	1 U	1 U	1.8 J	1 U	1 U	1 U	1 U	1 UJ	1.8
	6/22/21	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U	1.5
	9/21/21	1 U	1 U	2.2	1 U	1 U	1 U	0.57 J	1 U	2.8
	%ND	100%	100%	12%	100%	100%	100%	47%	82%	0%
	Min D	NA	NA	1	NA	NA	NA	0.48	0.66	0
	Max D	NA	NA	6.8	NA	NA	NA	1.3	0.84	8.5
	Mean D	NA	NA	3	NA	NA	NA	0.8	0.72	3.2
	Trend	NA	NA	Decreasing	NA	NA	NA	Decreasing	NA	Decreasing

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

MW-13C	6/13/17	1 U	1.7	740	2.3	1 U	1 U	365	10.2	1,119
	9/26/17	1 U	1.1	590	2.1	1 U	1 U	333	10.8	937
	12/20/17	1 U	0.58 J	460	0.68 J	1 U	1 U	333	5.3	800
	3/20/18	1 U	1 U	360	1 U	1 U	1 U	307	4.7	672
	5/10/18	2 U	2 U	312	2 U	2 U	2 U	236	8.0	556
	8/29/18	1 U	1 U	296	1 U	1 U	1 U	323	2.5	622
	12/9/19	1 U	1 U	265	1 U	1 U	1 U	302	6.2	571
	3/20/20	1 U	1 U	232	1 U	1 U	1 U	230 J	1.2 J	463
	5/13/20	1 U	1 UJ	245	1 U	1 U	1 U	234	12.3	491
	8/12/20	1 U	1 U	115	1 U	1 U	1 U	178	1 U	293
	12/16/20	1 U	1 U	183	1 U	1 U	1 U	225	2.6	411
	3/24/21	1 U	1 U	181	1 U	1 U	1 U	287	4.6	473
	6/22/21	1 U	1 U	165	1 U	1 U	1 U	210	3.9	379
	9/22/21	2 U	2 U	131	2 U	2 U	2 U	288	6.6	426
	%ND	100%	79%	0%	79%	100%	100%	0%	7%	0%
	Min D	NA	0.58	115	0.68	NA	NA	178	1.2	293
	Max D	NA	1.7	740	2.3	NA	NA	365	12.3	1,119
	Mean D	NA	1.1	305.2	1.7	NA	NA	275.1	6.1	586.6
	Trend	NA	NA	Decreasing	NA	NA	NA	Decreasing	NT - Stable	Decreasing
MW-15C	6/13/17	2.5 U	2.5 U	899	3.6	2.5 U	2.5 U	791	9.3	1,703
	9/28/17	5 U	2.5 J	1,440	7.1	5 U	5 U	973	7.2	2,430
	12/19/17	1 U	2.7	1,100	6.8	0.74 J	1 U	728	9.7	1,848
	3/20/18	2 U	1.3 J	740	9.1	2 U	2 U	248	46.3	1,045
	5/10/18	4 U	4 U	699	5.5	4 U	4 U	175	21.5	901
	8/28/18	2.5 U	2.5 U	1,050	8.1	2.5 U	2.5 U	829	3.4	1,891
	12/12/18	5 U	5 U	851	3.6 J	5 U	5 U	560	5 U	1,415
	3/6/19	2 U	2 U	866	5	2 U	2 U	178	12.4	1,061
	6/21/19	1 U	1 U	47.0	0.63 J	1 U	1 U	79.5	4.9	132
	9/18/19	2.5 U	2.5 U	677	4.7	2.5 U	2.5 U	409	11.0	1,102
	12/9/19	5 U	5 U	1,110	5.5	5 U	5 U	58.3	26.4	1,200
	8/12/20	5 U	5 U	1,070	5.4	5 U	5 U	331	28.2	1,435
	12/17/20	2 U	2 U	650	5.9	2 U	2 U	324	31.3	1,011
	3/24/21	1 U	1 UJ	285	1.4	1 U	1 U	166	21.1	474
	6/22/21	1 U	1 U	143	1 U	1 U	1 U	15.8	3.2	162
	9/21/21	2.5 U	2.5 U	273	1.4 J	2.5 U	2.5 U	277	133	684
	%ND	100%	81%	0%	6%	94%	100%	0%	6%	0%
	Min D	NA	1.3	47	0.63	0.74	NA	15.8	3.2	132
	Max D	NA	2.7	1,440	9.1	0.74	NA	973	133	2,430
	Mean D	NA	2.2	734.8	4.9	0.74	NA	383.9	24.6	1,156
	Trend	NA	NA	Decreasing	Decreasing	NA	NA	Decreasing	NT	Decreasing

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

MW-16-100	4/2/09	1 U	0.63 J	600 D	4.6	1 U	1 U	1.4	56.0	663
	6/9/09	1 U	1.1	770 D	3.6	1 U	1 U	0.91 J	93.0	869
	9/24/09	10 U	10 U	780	4.9 J	10 U	10 U	10 U	76.0	861
	4/6/10	1 U	1 U	501 D	1.6	1 U	1 U	2.8	99.4	605
	10/6/10	1 U	1 U	65.3	1 U	1 U	1 U	1 U	28.3	94
	10/6/11	1 UR	1 UR	165 J	1.9 J	1 UR	1 UR	1 UR	146 J	318
	3/27/12	1 U	1 U	293	2.3	1 U	1 U	1 U	84.5	380
	10/4/12	1 U	1 U	176	1.28	1 U	1 U	6.49	49.9	234
	4/4/13	1 U	1 U	162	1 U	1 U	1 U	1 U	33.1	195
	10/18/13	1 U	1 U	51.0	1 U	1 U	1 U	1 U	25.3 J	76
	3/26/14	1 U	1 U	137	0.75 J	1 U	1 U	1 U	23.5	161
	8/20/14	1 U	1 U	138	1 U	1 U	1 U	2.3	41.0	181
	3/12/15	1 U	1 U	80.9	0.53 J	1 U	1 U	1 U	34.2	116
	8/24/15	1 U	1 U	42.4	1.3	1 U	1 U	1 U	45.6	89
	4/14/16	1 U	1 U	47.1	1 U	1 U	1 U	1 U	48.8	96
	9/27/16	1 U	1 U	22.2 J	1 U	1 U	1 U	1 U	10.6	33
	3/30/17	1 U	1 U	54.9	1 U	1 U	1 U	1 U	21.6	77
	9/29/17	1 U	1 U	47.7	1 U	1 U	1 U	1 U	11.7	59
	3/23/18	1 U	1 U	37.7	1 U	1 U	1 U	1 U	21.9	60
	8/31/18	1 U	1 U	18.9	1 U	1 U	1 U	1 U	13.0	32
	3/7/19	1 U	1 U	32.8	1 U	1 U	1 U	1 U	19.0	52
	9/17/19	1 U	1 U	8.2	1 U	1 U	1 U	1 U	2.9	11
	3/24/20	1 U	1 U	39.4	1 U	1 U	1 U	1 U	99.6	139
	8/11/20	1 U	1 U	22.3	1 U	1 U	1 U	1 U	114	136
	9/21/21	1 U	1 U	1.4	1 U	1 U	1 U	1 U	17.1	19
	% ND	100%	92%	0%	60%	100%	100%	80%	0%	0%
	Min D	NA	0.63	1.4	0.53	NA	NA	0.91	2.5	11.1
	Max D	NA	1.1	780	4.9	NA	NA	6.49	146	868.6
	Mean D	NA	0.87	171.8	2.3	NA	NA	2.78	48.6	222.1
	Trend	NA	NA	Decreasing	NA	NA	NA	NA	Decreasing	Decreasing
MW-17-40	4/2/09	1 U	1 U	1 U	1 U	1 U	0.22 J	1 U	0.22	
	6/9/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/22/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/7/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/6/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/24/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/5/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/27/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/3/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/3/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/17/13	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	0
	3/26/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/19/14	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	0
	3/12/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/24/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/14/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/27/16	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	0
	3/29/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/28/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/22/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/30/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/6/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/18/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/17/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/11/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
9/22/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0	
	% ND	100%	100%	100%	100%	100%	100%	96%	100%	0%
	Min D	NA	NA	NA	NA	NA	NA	0.22	NA	0
	Max D	NA	NA	NA	NA	NA	NA	0.22	NA	0.22
	Mean D	NA	NA	NA	NA	NA	NA	0.22	NA	0.01
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NT - Stable
MW-18A	4/1/09	1 U	1 U	0.37 J	1 U	1 U	1 U	0.88 J	1 U	1.3
	9/24/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/7/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/7/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/24/11	1 U	1 U	4.8	1 U	1 U	1 U	4.5	1.2	10.5
	10/5/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/27/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/3/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/2/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/18/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/25/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/18/14	1 U	1 U	2.7	1 U	1 U	1 U	2.0	1 U	4.7
	3/12/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/24/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/12/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/26/16	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	0
	3/29/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/28/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/22/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/29/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/8/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/19/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/17/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/13/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/23/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	% ND	100%	100%	88%	100%	100%	100%	88%	96%	0%
	Min D	NA	NA	0.37	NA	NA	NA	0.88	1.2	0
	Max D	NA	NA	4.8	NA	NA	NA	4.5	1.2	10.5
	Mean D	NA	NA	2.6	NA	NA	NA	2.5	1.2	0.66
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	Decreasing

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

MW-19A (d)	4/1/09	1 U	1 U	1 U	1 U	1 U	1 U	0.33 J	1 U	0.33
	9/22/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/7/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/5/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/24/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/5/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/27/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/2/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/3/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/17/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/25/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/18/14	1 U	1 U	5.0	1 U	1 U	1 U	3.3	1 U	8.3
	3/12/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/24/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/14/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/26/16	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	0
	3/30/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/28/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/21/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	%ND	100%	100%	95%	100%	100%	100%	90%	100%	0%
	Min D	NA	NA	5	NA	NA	NA	0.33	NA	0
	Max D	NA	NA	5	NA	NA	NA	3.3	NA	8.3
	Mean D	NA	NA	5	NA	NA	NA	1.8	NA	0.45
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NT
MW-20B	4/1/09	1 U	1 U	1 U	1 U	1 U	1 U	0.25 J	1 U	0.25
	9/24/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/18/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/7/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/5/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/23/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/4/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/14/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/27/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/29/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/3/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/3/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/18/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/26/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/19/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/16/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/24/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/13/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	0
	9/26/16	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	0
	3/30/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/27/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/21/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/29/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/8/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/19/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/19/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/18/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/13/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/23/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	%ND	100%	100%	100%	100%	100%	100%	97%	100%	0%
	Min D	NA	NA	NA	NA	NA	NA	0.25	NA	0
	Max D	NA	NA	NA	NA	NA	NA	0.25	NA	0.25
	Mean D	NA	NA	NA	NA	NA	NA	0.25	NA	0.01
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NT

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

MW-21B (d)	4/2/09	1 U	1 U	1 U	1 U	1 U	0.61 J	3.0	1 U	3.6
	9/24/09	1 U	1 U	1 U	1 U	0.49 J	0.74 J	5.4	1 U	6.6
	4/8/10	1 U	1 U	1 U	1 U	1 U	1 U	2.9	1 U	2.9
	10/5/10	1 U	1 U	1 U	1 U	1 U	1 U	3.1	1 U	3.1
	3/23/11	1 U	1 U	1.3	1 U	1 U	1 U	2.8	1 U	4.1
	10/5/11	1 U	1 U	1 U	1 U	1 U	1 U	2.1	1 U	2.1
	3/29/12	1 U	1 U	1 U	1 U	1 U	1 U	2.0	1 U	2.0
	10/3/12	1 U	1 U	1 U	1 U	1 U	1 U	2.0	1 U	2.0
	4/2/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.0
	10/18/13	1 U	1 U	1 U	1 U	1 U	1 U	0.69 J	1 U	0.7
	3/26/14	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1.3
	8/19/14	1 U	1 U	1 U	1 U	1 U	1 U	1.6 J	1 U	1.6
	3/12/15	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1.2
	8/24/15	1 U	1 U	1 U	1 U	1 U	0.28 J	1.9	1 U	2.2
	4/12/16	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1.4
	9/27/16	1 U	1 U	1 UJ	1 U	1 U	1 U	2.9	1 U	2.9
	3/29/17	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1.5
	9/29/17	1 U	1 U	1 U	1 U	1 U	0.44 J	2.9	1 U	3.3
	3/21/18	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1.2
	8/31/18	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1.7
	%ND	100%	100%	95%	100%	95%	80%	5%	100%	0%
	Min D	NA	NA	1.3	NA	0.49	0.28	0.69	NA	0
	Max D	NA	NA	1.3	NA	0.49	0.74	5.4	NA	6.6
	Mean D	NA	NA	1.3	NA	0.49	0.52	2.2	NA	2.3
	Trend	NA	NA	NA	NA	NA	NA	Decreasing	NA	Decreasing
MW-22B	4/2/09	1 U	1 U	0.65 J	0.71 J	1 U	1 U	0.36 J	1 U	1.7
	9/24/09	0.44 J	1 U	1.3	0.57 J	1 U	1 U	1 U	1.1	3.4
	4/8/10	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1.6
	10/5/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.1	3.1
	3/23/11	1 U	1 U	2.3	1 U	1 U	1 U	1.1	1.8	5.2
	10/5/11	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	1.4
	3/27/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/3/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/2/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/18/13	0.65 J	1 U	0.68 J	1 U	1 U	1 U	0.71 J	1 U	2.0
	3/25/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/20/14	1 U	1 U	1 U	1 U	1 U	1 U	0.55 J	1 UJ	0.55
	3/12/15	0.31 J	1 U	0.73 J	1 U	1 U	1 U	0.28 J	1.1	2.4
	8/24/15	0.34 J	1 U	1.1	1 U	1 U	1 U	1 U	1.3	2.7
	4/12/16	1 U	1 U	0.65 J	1 U	1 U	1 U	1 U	1.5	2.2
	9/26/16	1 U	1 U	1.1 J	1 U	1 U	1 U	1 U	2	3.1
	3/29/17	0.27 J	1 U	0.71 J	1 U	1 U	1 U	1 U	1.2	2.2
	9/28/17	0.46 J	1 U	1.1	1 U	1 U	1 U	1 U	1.6	3.2
	9/28/17	0.47 J	1 U	1.2	1 U	1 U	1 U	1 U	1.7	3.4
	3/21/18	0.25 J	1 U	0.61 J	1 U	1 U	1 U	1 U	1.7	2.6
	8/31/18	1 U	1 U	0.55 J	1 U	1 U	1 U	1 U	1.2	1.8
	3/8/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/19/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/17/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/13/20	1 U	1 U	0.68 J	1 U	1 U	1 U	1 U	1	1.7
	9/23/21	1 U	1 U	0.75 J	1 U	1 U	1 U	1 U	1 U	0.75
	%ND	69%	100%	35%	92%	100%	100%	81%	50%	0%
	Min D	0.25	NA	0.55	0.57	NA	NA	0.28	1	0
	Max D	0.65	NA	2.3	0.71	NA	NA	1.1	3.1	5.2
	Mean D	0.4	NA	1.0	0.64	NA	NA	0.6	1.6	1.7
	Trend	NA	NA	NT - Stable	NA	NA	NA	NA	NT - Stable	NT - Stable

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

MW-23B (d)	1/14/09	1 U	1 U	5.8	1 U	0.5 J	1.3	0.53 J	1 U	8.1
	4/2/09	1 U	1 U	1 U	1 U	1.0 J	1.2	0.52 J	1 U	2.7
	6/10/09	1 U	1 U	1 U	1 U	0.68 J	1.1	1 U	1 U	1.8
	9/24/09	1 U	1 U	1 U	1 U	0.77 J	1.1	1 U	1 U	1.9
	12/18/09	1 U	1 U	1 U	1 U	2.0	1.5	1.2	1 U	4.7
	4/7/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	6/29/10	1 U	1 U	1 U	1 UJ	1 U	1.6	1 U	1 U	1.6
	10/5/10	1 U	1 U	1 U	1 U	1.2	1.8	1 U	1 U	3.0
	12/29/10	1 U	1 U	1 U	1 U	1.1	1.5	1.1	1 U	3.7
	3/23/11	1 U	1 U	4.3	1 U	1 U	1.0	2.2	1 U	7.5
	10/4/11	1 U	1 U	1 U	1 U	1.7	2.5 J	1 U	1 U	4.2
	12/14/11	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1.6
	3/27/12	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1.1
	6/29/12	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1.4
	10/3/12	1 U	1 U	1 U	1 U	1 U	1.55	1 U	1 U	1.6
	12/5/12	1 U	1 U	1 U	1 U	1.0	1.7	1 U	1 U	2.7
	4/3/13	1 U	1 U	1 U	1 U	1 U	3.8 J	1 U	1 U	3.8
	6/3/13	1 U	1 U	1 U	1 U	1.1	1.8	0.80 J	1 U	3.7
	10/18/13	1 U	1 U	1 U	1 U	1.2	1.6	0.52 J	1 U	3.3
	12/6/13	1 U	1 U	1 U	1 U	1 U	1	0.53 J	1 U	1.5
	3/27/14	1 U	1 U	1 U	1 U	0.78 J	1 U	1 U	1 U	0.8
	6/17/14	1 U	1 U	1 U	1 U	1.1 J	1.4	0.79 J	1 U	3.3
	8/19/14	1 U	1 U	1 U	1 U	1.0	1.3	1 U	1 U	2.3
	12/3/14	1 U	1 U	1 U	1 U	1.0	1.4	0.43 J	1 UJ	2.8
	3/11/15	1 U	1 U	1 U	1 U	0.77 J	2.1	0.54 J	1 UJ	3.4
	5/26/15	1 U	1 U	1 UJ	1 U	0.75 J	1.6 J	1 U	1 UJ	2.4
	8/24/15	1 U	1 U	1 U	1 U	1 U	1.6	0.45 J	1 U	2.1
	12/16/15	1 U	1 U	1 U	1 U	1.2	1.6	0.41 J	1 UJ	3.2
	4/13/16	1 U	1 U	1 U	1 U	0.59 J	1.5	1 U	1 U	2.1
	7/6/16	1 U	1 U	1 U	1 U	0.83 J	1.4	1 U	1 U	2.2
	9/26/16	1 U	1 U	1 UJ	1 U	0.92 J	2.1	0.51 J	1 U	3.5
	11/15/16	1 U	1 U	1 U	1 U	0.93 UJ	1.8	1 U	1 UJ	1.8
	3/30/17	1 U	1 U	1 U	1 U	0.41 J	0.83 J	1 U	1 U	1.2
	6/15/17	1 U	1 U	1 U	1 U	0.72 J	1.3	0.32 J	1 U	2.3
	% ND	100%	100%	94%	100%	32%	6%	56%	100%	0%
	Min D	NA	NA	4.3	NA	0.41	0.83	0.32	NA	0
	Max D	NA	NA	5.8	NA	2	3.8	2.2	NA	8.1
	Mean D	NA	NA	5.1	NA	0.97	1.6	0.7	NA	2.7
	Trend	NA	NA	NA	NA	NT - Stable	NT - Stable	NA	NA	NT - Stable
MW-24B (d)	4/2/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/23/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/7/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/6/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/23/11	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1.1
	10/6/11	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1.1
	3/27/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/3/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/30/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/18/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/26/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/19/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/24/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/14/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	% ND	100%	100%	86%	100%	100%	100%	100%	100%	0%
	Min D	NA	NA	1.1	NA	NA	NA	NA	NA	0
	Max D	NA	NA	1.1	NA	NA	NA	NA	NA	1.1
	Mean D	NA	NA	1.1	NA	NA	NA	NA	NA	0.16
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NT

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

MW-25A	4/1/09	1 U	1 U	0.30 J	1 U	1 U	1 U	0.57 J	1 U	0.87
	9/23/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/7/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/7/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/24/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/5/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/27/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/2/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/2/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/18/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/25/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/19/14	1 U	1 U	1.5	1 U	1 U	1 U	0.87 J	1 U	2.4
	3/12/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/24/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/13/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/26/16	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	0
	9/26/16	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	0
	3/29/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/28/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/22/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/29/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/8/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/19/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/17/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/13/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/23/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	% ND	100%	100%	92%	100%	100%	100%	92%	100%	0%
	Min D	NA	NA	0.3	NA	NA	NA	0.57	NA	0
	Max D	NA	NA	1.5	NA	NA	NA	0.87	NA	2.37
	Mean D	NA	NA	0.9	NA	NA	NA	0.72	NA	0.13
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NT

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

MW-26A	4/1/09	1 U	1 U	0.33 J	1 U	1 U	1 U	0.56 J	1 U	0.89
	9/24/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/7/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/7/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/24/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/5/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/27/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/3/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/2/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	10/18/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/26/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/19/14	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	0
	3/12/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/24/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	4/13/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/26/16	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	0
	9/26/16	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	0
	3/29/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/28/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/22/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/31/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/8/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/19/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	3/17/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	8/13/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	9/23/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	% ND	100%	100%	96%	100%	100%	100%	96%	100%	100%
	Min D	NA	NA	0.33	NA	NA	NA	0.56	NA	0
	Max D	NA	NA	0.33	NA	NA	NA	0.56	NA	0.89
	Mean D	NA	NA	0.33	NA	NA	NA	0.56	NA	0.03
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NT
MW-30B	6/11/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/18/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	% ND	100%	100%	100%	100%	100%	100%	100%	100%	0%
	Min D	NA	NA	NA	NA	NA	NA	NA	NA	0
	Max D	NA	NA	NA	NA	NA	NA	NA	NA	0
MW-32B	6/11/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	12/18/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0
	% ND	100%	100%	100%	100%	100%	100%	100%	100%	0%
	Min D	NA	NA	NA	NA	NA	NA	NA	NA	0
	Max D	NA	NA	NA	NA	NA	NA	NA	NA	0
MW-32B	6/11/09	1 U	1 U	200 D	1.4	1 U	1 U	140 D	1 U	341
	4/1/09	1 U	1 U	240 D	2	1 U	0.49 J	170 D	1 U	412
	6/10/09	1 U	1 U	190 D	1.1	1 U	0.60 J	160 D	1 U	352
	9/24/09	2 U	2 U	130	0.84 J	2 U	2 U	130	2 U	261
	12/18/09	1 U	1 U	73	1 U	1 U	1 U	95.9	1 U	169
MW-32B	4/6/10	1 U	1 U	132	1 U	1 U	1 U	107	1 U	239
	6/29/10	1 U	1 U	94	1 UJ	1 U	1 U	80.2	1 U	174
	10/5/10	1 U	1 U	67.9	1 U	1 U	1 U	49.1	1 U	117
	12/29/10	1 U	1 U	78.9	1 U	1 U	1 U	46.4	1 U	125
	3/23/11	1 U	1 U	50.8	1 U	1 U	1 U	33.9	1 U	84.7
	10/4/11	1 UR	1 UR	57.0 J	1 UR	1 UR	1 UR	59.3 J	1 UR	122
	12/14/11	1 U	1 U	28.2	1 U	1 U	1 U	43.1	1 U	71.3
	3/27/12	1 U	1 U	51.1	1 U	1 U	1 U	60.9	1 U	112
	6/29/12	1 U	1 U	45.8	1 U	1 U	1 U	77.6	1 U	123
	10/3/12	1 U	1 U	37.3	1 U	1 U	1 U	30	1 U	67.3
	12/5/12	1 U	1 U	38.7	1 U	1 U	1 U	58.4	1 U	97.1
	4/3/13	1 U	1 U	44.4	1	1 U	1 U	60.8	1 U	106
	6/3/13	1 U	1 U	23.9	1.9	1 U	1 U	75	1 U	101
	10/18/13	1 U	1 U	34.2	0.7 J	1 U	1 U	64.4	1 U	99.3
	12/6/13	1 U	1 U	13.4	1 U	1 U	1 U	38.3	1 U	51.7
	3/26/14	1 U	1 U	25.1	0.56 J	1 U	1 U	39.2	1 U	64.9
	6/17/14	1 U	1 U	15.0	1 U	1 U	1 U	53.3	1 U	68.3
	8/19/14	1 U	1 U	19.8	1 U	1 U	1 U	45.4	1 U	65.2
	12/3/14	1 U	1 U	15.2	1 U	1 U	1 U	32.8	1 UJ	48.0
	3/11/15	1 U	1 U	11.4	1 U	1 U	1 U	11.5	1 UJ	22.9
	5/26/15	1 U	1 U	16.0 J	1 U	1 UJ	0.61 J	50.0	1 UJ	66.6
	8/24/15	1 U	1 U	17.8	1 U	1 U	0.51 J	49.9	1 U	68.2
	12/16/15	1 U	1 U	8.6	1 U	1 U	1.00 U	34.6	1 UJ	43.2
	4/13/16	1 U	1 U	10.5	1 U	1 U	1 U	36.6	1 U	47.1
	7/6/16	1 U	1 U	13.2	1 U	1 U	1 U	56.1	1 U	69.3
	9/26/16	1 U	1 U	13.4 J	1 U	0.45 J	1 U	53.9	1 U	67.8
	11/15/16	1 U	1 U	8.0	1 U	0.37 UJ	1 U	34.2	1 UJ	42.2
	3/30/17	1 U	1 U	8.7	1 U	1 U	0.35 J	27.2	1 U	36.3
	6/14/17	1 U	1 U	14.5	0.47 J	1 U	0.46 J	39.9	1 U	55.3
	9/27/17	1 U	1 U	10.3	1 U	1 U	0.6 J	49.0	1 U	59.9
	12/20/17	1 U	1 U	13.0	1 U	1 U	0.37 J	31.4	1 U	44.8
	3/21/18	1 U	1 U	14.2	0.4 J	1 U	1 U	25.8	1 U	40.4
	5/10/18	1 U	1 U	9.4	0.52 J	1 U	0.35 J	38.7	1 U	49.0
	8/29/18	1 U	1 U	13.5	1 U	1 U	0.69 J	58.2	1 U	72.4
	12/12/18	1 U	1 U	6.7	1 U	1 U	1 U	23.6	1 U	30.3
	3/8/19	1 U	1 U	11.8	1 U	1 U	1 U	24.4	1 U	36.2
	6/18/19	1 U	1 U	7.3	1 U	1 U	1 U	32.2	1 U	39.5
	9/17/19	1 U	1 U	10.3	1 U	1 U	1 U	41.0	2.9	54.2
	5/15/20	1 U	1 UJ	7.3	1 U	1 U	1 U	32.8	1 U	40.1
	8/13/20	1 U	1 U	12.3	1 U	1 U	0.67 J	56.5	1 U	69.5
	12/17/20	1 U	1 U	6.9	1 U	1 U	1 U	30.6	1 U	37.5
	3/24/21	1 U	1 U	9.0	1 U	1 U	1 U	23.4	1 U	32.4
	9/23/21	1 U	1 U	15.9	1 U	1 U	1 U	19.5	1 U	35.4
	% ND	100%	100%	0%	77%	98%	77%	0%	98%	0%
	Min D	NA	NA	6.7	0.4	0.45	0.35	11.5	2.9	22.9
	Max D	NA	NA	240	2	0.45	0.69	170	2.9	412.5
	Mean D	NA	NA	41.2	0.99	0.45	0.52	54.8	2.9	96.5
	Trend	NA	NA	Decreasing	NA	NA	NA	Decreasing	NA	Decreasing

Table 1

**Historical Groundwater Statistical Analysis
Former Emerson Power Transmission
Ithaca, New York (a, b)**

MW-36B	6/14/17	1 U	1 U	496	5.6	1 U	1 U	67.2	1 U	569
	3/20/18	1 U	0.58 J	303	3.5	1 U	1 U	25.7	146	479
	5/8/18	1 U	1 U	200	3.6	1 U	1 U	13.5	19.1	236
	6/19/19	1 U	1 U	194	2.7	1 U	1 U	22.6	9.2	229
	9/17/19	1 U	1 U	45.8	0.55 J	1 U	1 U	9.2	1 U	55.6
	12/11/19	1 U	1 U	48.9	1.4	1 U	1 U	3.5	9.1	62.9
	3/20/20	1 U	1 U	239	2.4	1 U	1 U	3.4	51.1	296
	5/13/20	1 U	1 U	189	2.3	1 U	1 U	5.1	16.7	207
	12/16/20	1 U	1 U	82.3	1.1	1 U	1 U	2	61.1	147
	3/23/21	1 U	1 U	130	1.4	1 U	1 U	2.4	50.1	184
	6/23/21	1 U	0.92 J	577	4.0	1 U	1 U	20.9	90.9	694
	9/21/21	1 U	1 U	64	0.9 J	1 U	1 U	2.6	55.8	124
	% ND	100%	83%	0%	0%	100%	100%	0%	17%	0%
	Min D	NA	0.58	45.8	0.55	NA	NA	2	9.1	55.6
	Max D	NA	0.92	577	5.6	NA	NA	67.2	146	693.7
	Mean D	NA	0.75	214.1	2.5	NA	NA	14.8	50.3	273.4
	Trend	NA	NA	NT - Stable	Decreasing	NA	NA	Decreasing	NT - Stable	NT - Stable
MW-46-43C	8/17/17	50 U	50 U	19,800	106	50 U	50 U	8,710	562	29,178
	9/26/17	50 U	30.3 J	17,900	112	50 U	50 U	7,900	589	26,531
	12/19/17	25 U	34.5	21,500	107	25 U	25 U	3,830	889	26,361
	3/20/18	100 U	100 U	16,200	96.5 J	100 U	100 U	8,470	987	25,754
	5/8/18	50 U	36.1 J	18,600	135	50 U	50 U	8,220	944	27,935
	8/28/18	50 U	41.1 J	29,700	173	50 U	50 U	9,900	1,260	41,074
	12/12/18	100 U	100 U	22,200	117	100 U	100 U	4,750	1,260	28,327
	3/5/19	200 U	200 U	24,200	155 J	200 U	200 U	6,720	1,250	32,325
	6/19/19	25 U	34.3	19,100	115	25 U	25 U	6,650	1,110	27,009
	9/17/19	25 U	52.8	25,700	148	25 U	25 U	5,140	1,740	32,781
	12/10/19	50 U	36.1 J	22,700	145	50 U	50 U	3,950	1,080	27,911
	3/20/20	50 U	38.1 J	22,300	136	50 U	50 U	5,340	1,490	29,304
	5/13/20	100 UJ	100 UJ	23,900	158 J	100 UJ	100 UJ	4,860 J	1,220 J	30,138
	8/11/20	100 U	100 U	25,200	143	100 U	100 U	4,140	1,650	31,133
	12/17/20	50 U	32.4 J	21,500	119	50 U	50 U	3,180	1,560	26,391
	3/23/21	50 U	37.7 J	25,200	115	50 U	50 U	4,370	1,590	31,313
	6/23/21	25 UJ	39.0 J	18,300 J	137 J	25 UJ	25 UJ	3,600 J	1,890 J	23,966
	9/22/21	100 U	100 U	6,740	85.1 J	100 U	100 U	100 U	13,400	20,225
	% ND	100%	38%	0%	0%	100%	100%	6%	0%	0%
	Min D	NA	30.3	6,740	85.1	NA	NA	3,180	562	20,225
	Max D	NA	52.8	29,700	173	NA	NA	9,900	1,890	41,074
	Mean D	NA	37.5	21,152	127.9	NA	NA	5,866	1,915	28,759
	Trend	NA	NT - Stable	NT - Stable	NT - Stable	NA	NA	Decreasing	Increasing	NT - Stable
MW-46-72C	8/17/17	100 U	100 U	1,370	100 U	95.1 J	100 U	19,800	100 U	21,265
	9/26/17	100 U	100 U	3,160	100 U	95.2 J	100 U	17,900	100 U	21,155
	12/19/17	10 U	24.8	15,500	66.3	23.4	10 U	7,260	40.7	22,915
	3/20/18	50 U	50 U	11,600	46.8 J	43.1 J	50 U	9,660	50 U	21,350
	5/8/18	25 U	20.8 J	16,000	60.1	18.2 J	25 U	8,050 J	62.9	24,212
	8/28/18	25 U	24.2 J	14,200	100	25 U	25 U	8,810	276	23,410
	12/12/18	25 U	15.5 J	7,940	41.7	25 U	25 U	7,570	815	16,382
	3/5/19	100 U	100 U	8,630	23.3 J	100 U	100 U	19,300	232	28,185
	6/19/19	25 U	20.1 J	14,700	55.5	25 U	25 U	15,700	201	30,677
	9/18/19	25 U	25 U	4,720	30.5	25.2	25 U	12,800	108	17,684
	12/10/19	20 U	38.2 J	28,300	180	25.9	20 U	20,500	285	49,329
	3/20/20	50 U	50 U	14,500	54.6	50 U	50 U	23,400	87.1	38,042
	5/13/20	25 U	20.4 J	9,740	58.7	25 U	25 U	14,500	87.6	24,407
	8/12/20	200 U	200 U	12,200	200 U	200 U	200 U	48,200	200 U	60,400
	12/16/20	25 U	18.4 J	13,000	50.1	25 U	25 U	3,750	178	16,997
	3/24/21	20 U	20 U	9,140	37.9	20 U	20 U	5,420	212	14,810
	6/23/21	25 U	18.6 J	12,900	39.3	25 U	25 U	2,460	820	16,238
	9/21/21	50 U	12.9	16,400	133	50 U	50 U	1,610	7,700	25,856
	% ND	100%	44%	0%	16%	61%	100%	0%	22%	0%
	Min D	NA	12.9	1,370	23.3	18.2	NA	1,610	40.7	14,810
	Max D	NA	38.2	28,300	180	95.2	NA	48,200	7700	60,400
	Mean D	NA	21.4	11,859	65.2	46.6	NA	13,705	793.2	26,295
	Trend	NA	NT - Stable	NT - Stable	NT - Stable	NA	NA	NT - Stable	Increasing	NT - Stable
MW-50-160D	9/22/21	20 U	15.7 J	6,080	40	20 U	20 U	158	1,630	7,924
	% ND	100%	0%	0%	0%	100%	100%	0%	0%	0%
	Min D	NA	15.7	6,080	40	NA	NA	158	1,630	7,924
	Max D	NA	15.7	6,080	40	NA	NA	158	1,630	7,924
	Mean D	NA	15.7	6,080	40	NA	NA	158	1,630	7,924
	Trend	NA	NA	NA	NA	NA	NA	NA	NA	NA

a/ Select constituents are presented above. For duplicate samples, the highest concentration of the duplicate and original sample is listed. When completing the Mann-Kendall trend test, all non-detects were set to a common value lower than any of the detected values.

b/ All results are reported in micrograms per liter (µg/l). DCA = dichloroethane; DCE = dichloroethene; PCE = tetrachloroethene; TCA = trichloroethane; TCE = trichloroethene; VOCs = volatile organics compounds; % = percent; ND = non-detect; min D = minimum detection; max D = maximum detection; NT = no trend; NT - Stable = No trend and the coefficient of variation is less than 1; NA = not applicable; ID = identification; U = analyte not detected above Reporting Limit; J = estimated concentration below the Reporting Limit and greater than or equal to the Method Detection Limit; D = concentration is from a secondary dilution analysis; UJ = non-detects with estimated quantitation limits due to failed quality control sample calibration(s) for that analyte; UR = The quality control associated with the analyte indicates uncertainty with the reported limits (spike/surrogate failed the recovery limits). **Bolded italic concentrations exceed the evaluation criteria.**

c/ Evaluation criteria are the New York State Ambient Water Quality Standards or Guidance Values for Class GA groundwater provided in the New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1), dated June 1998, and the April 2000 Addendum.

d/ Abandoned wells.

e/ EXB-2 has been converted to extraction well EW-12-45C.

f/ Total CVOCs only include the 8 site related CVOCs that include 1,1-DCA, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, 1,1,1-TCA, TCE, and vinyl chloride.

Table 2

**Historical Groundwater Statistical Analysis Summary
Former Emerson Power Transmission
Ithaca, New York (a, b)**

Well ID	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Total CVOCs
	Trend	Trend	Trend	Trend	Trend	Trend	Trend	Trend	Trend
EW-1-62C	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-2-62C	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-3-60C	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-4-25B	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-5-25B	NA	NT - Stable	NT - Stable	NT - Stable	Decreasing	NA	NT - Stable	NT	NT - Stable
EW-6-60C	NA	NT - Stable	Decreasing	NT - Stable	Decreasing	NA	Decreasing	NT	Decreasing
EW-7-25B	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-8-62C	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-9R-72C	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-10-25B	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-11-45C	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW-12-45C	NA	NT	Increasing	Increasing	NA	NA	Decreasing	Increasing	NT - Stable
EXB-1	NA	NT	NT - Stable	NT - Stable	NA	NA	NT	Increasing	NT - Stable
EXB-7	NA	NT - Stable	Decreasing	Decreasing	NA	NA	Decreasing	Decreasing	Decreasing
EXB-9	NA	NA	NA	NA	NA	NA	NA	NA	Decreasing
EXB-10	NA	NA	Decreasing	NA	NA	NA	NA	Decreasing	Decreasing
MW-1B	NA	NA	Increasing	NA	NA	NA	NT	NA	NT
MW-2B	NA	NT - Stable	Decreasing	NT - Stable	Decreasing	NA	Decreasing	NT - Stable	Decreasing
MW-3B	NA	NT	NT - Stable	NT - Stable	NA	NA	NT	Decreasing	NT
MW-4B	NA	NA	NA	NA	NA	NA	NA	Increasing	Increasing
MW-5B	NA	NA	Decreasing	Decreasing	NA	NA	Decreasing	Decreasing	Decreasing
MW-5-25	NA	NA	NA	NA	NA	NA	NA	NA	NT - Stable
MW-5-40	NA	NT - Stable	NT - Stable	Increasing	NA	NA	Decreasing	Increasing	Decreasing
MW-5-100	NA	NA	Decreasing	NA	NA	NA	Decreasing	Decreasing	Decreasing
MW-7B	NA	NA	NT	NA	NA	NA	NT	NT	NT
MW-7-40	NA	NA	Decreasing	Decreasing	NA	NA	NA	NT - Stable	Decreasing
MW-8B	NA	NA	NA	NA	NA	NA	NA	NA	NT
MW-8-40	NA	NA	NA	NA	NA	NA	NA	NA	NT
MW-12C	NA	NA	Decreasing	NA	NA	NA	Decreasing	NA	Decreasing
MW-13C	NA	NA	Decreasing	NA	NA	NA	Decreasing	NT - Stable	Decreasing
MW-15C	NA	NA	Decreasing	Decreasing	NA	NA	Decreasing	NT	Decreasing
MW-16-100	NA	NA	Decreasing	NA	NA	NA	NA	Decreasing	Decreasing
MW-17-40	NA	NA	NA	NA	NA	NA	NA	NA	NT - Stable
MW-18A	NA	NA	NA	NA	NA	NA	NA	NA	Decreasing
MW-19A	NA	NA	NA	NA	NA	NA	NA	NA	NT
MW-20B	NA	NA	NA	NA	NA	NA	NA	NA	NT
MW-21B	NA	NA	NA	NA	NA	NA	Decreasing	NA	Decreasing
MW-22B	NA	NA	NT - Stable	NA	NA	NA	NA	NT - Stable	NT - Stable
MW-23B	NA	NA	NA	NA	NT - Stable	NT - Stable	NA	NA	NT - Stable
MW-24B	NA	NA	NA	NA	NA	NA	NA	NA	NT
MW-25A	NA	NA	NA	NA	NA	NA	NA	NA	NT
MW-26A	NA	NA	NA	NA	NA	NA	NA	NA	NT
MW-30B	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32B	NA	NA	Decreasing	NA	NA	NA	Decreasing	NA	Decreasing
MW-36B	NA	NA	NT - Stable	Decreasing	NA	NA	Decreasing	NT - Stable	NT - Stable
MW-46-43C	NA	NT - Stable	NT - Stable	NT - Stable	NA	NA	Decreasing	Increasing	NT - Stable
MW-46-72C	NA	NT - Stable	NT - Stable	NT - Stable	NA	NA	NT - Stable	Increasing	NT - Stable
MW-50-160D	NA	NA	NA	NA	NA	NA	NA	NA	NA

Bold indicates most recent sample greater than the comparative criteria

Italics indicates most recent sample non-detect

Orange shading indicates increasing trend

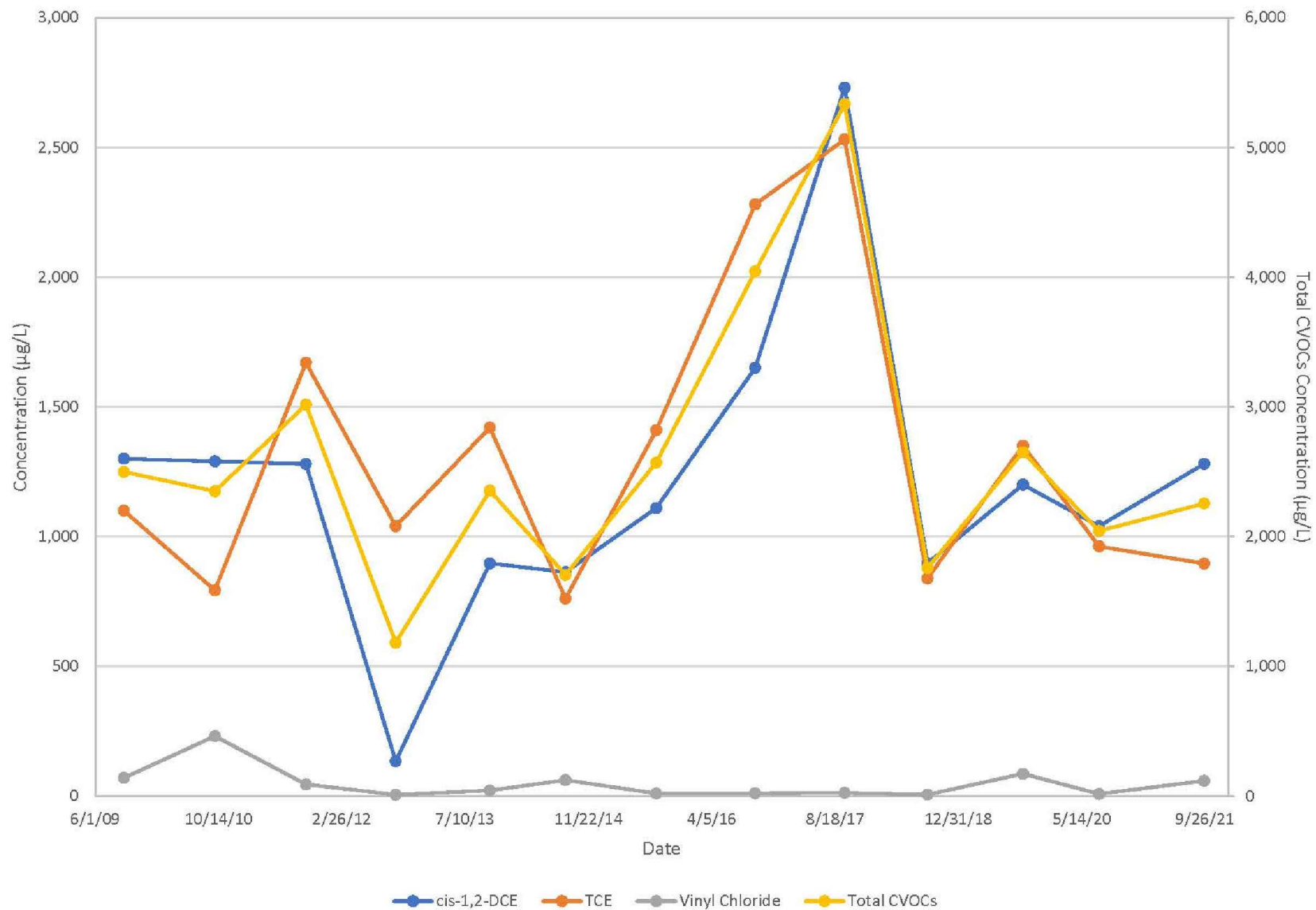
Green shading indicates decreasing trend

Blue shading indicates no trend (NT) or NT - Stable

a/ Mann-Kendall statistical evaluation conducted on constituents with equal to or greater than 50% detection at individual monitoring wells with 4 or more sample results; 95% confidence limit used for statistical calculation. NA = not analyzed; DCA = dichloroethane; DCE = dichloroethene; PCE = tetrachloroethene; TCA = trichloroethane; TCE = trichloroethene; CVOCs = chlorinated volatile organic compounds; NT - Stable = no trend and the coefficient of variation is less than 1. Select constituents are presented above. For duplicate samples, the highest concentration of the duplicate and original sample was used in the Mann-Kendall trend test. When completing the Mann-Kendall trend test, all non-detects were set to a common value lower than any of the detected values.

b/ Total CVOCs only include the 8 site related CVOCs that include 1,1-DCA, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, 1,1,1-TCA, TCE, and vinyl chloride.

FIGURES



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FIGURE 1-1

CONCENTRATION TRENDS FOR
SITE-SPECIFIC CVOCs MONITORING WELL
EW-5-25B

FORMER EMERSON POWER TRANSMISSION
ITHACA, NEW YORK

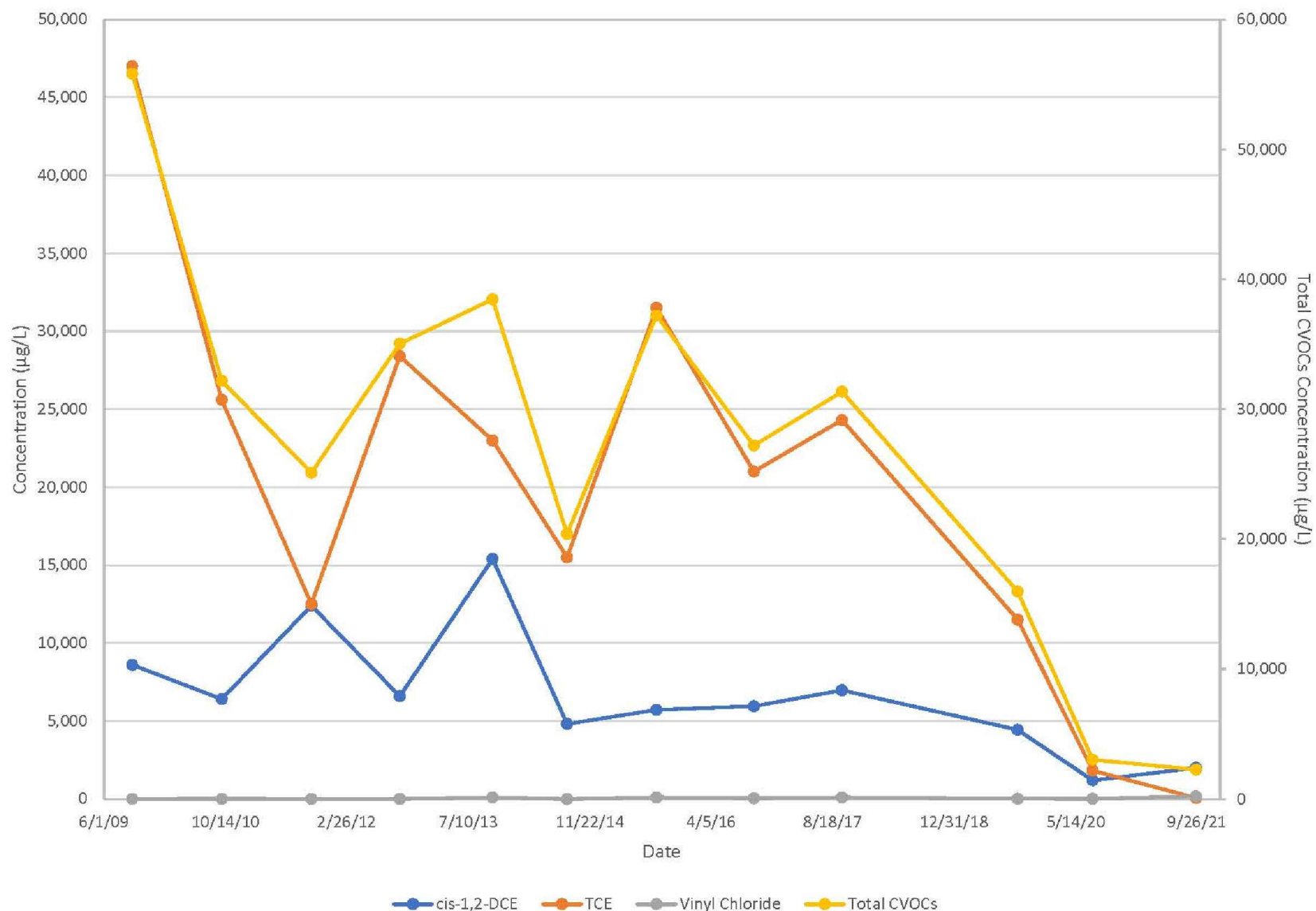
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FIGURE 1-2

CONCENTRATION TRENDS FOR
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EW-6-60C

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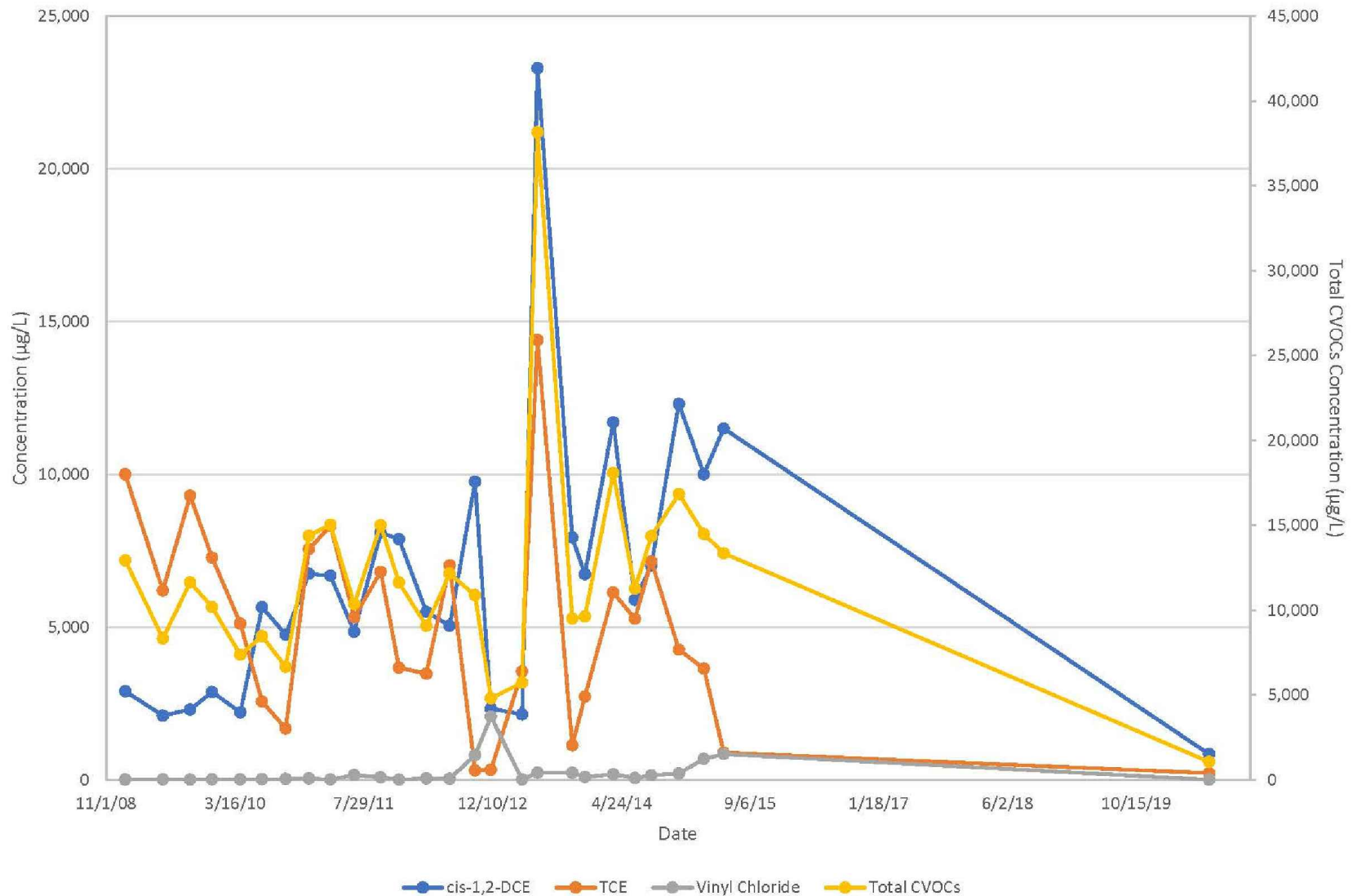
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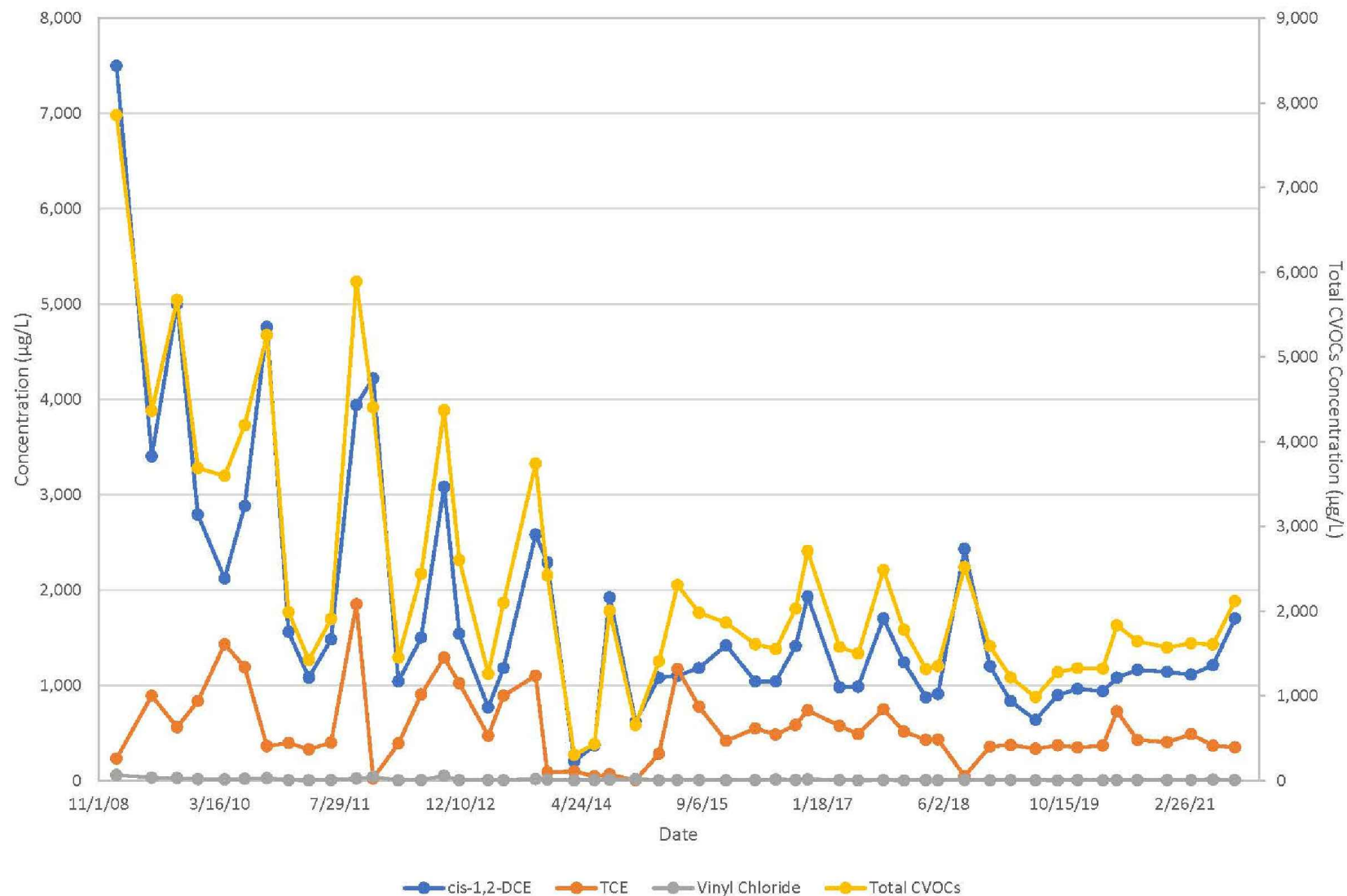


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FIGURE 1-3
CONCENTRATION TRENDS FOR
SITE-SPECIFIC CVOCs MONITORING WELL
EW-12-45C

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FIGURE 1-4

CONCENTRATION TRENDS FOR
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EXB-7

FORMER EMERSON POWER TRANSMISSION
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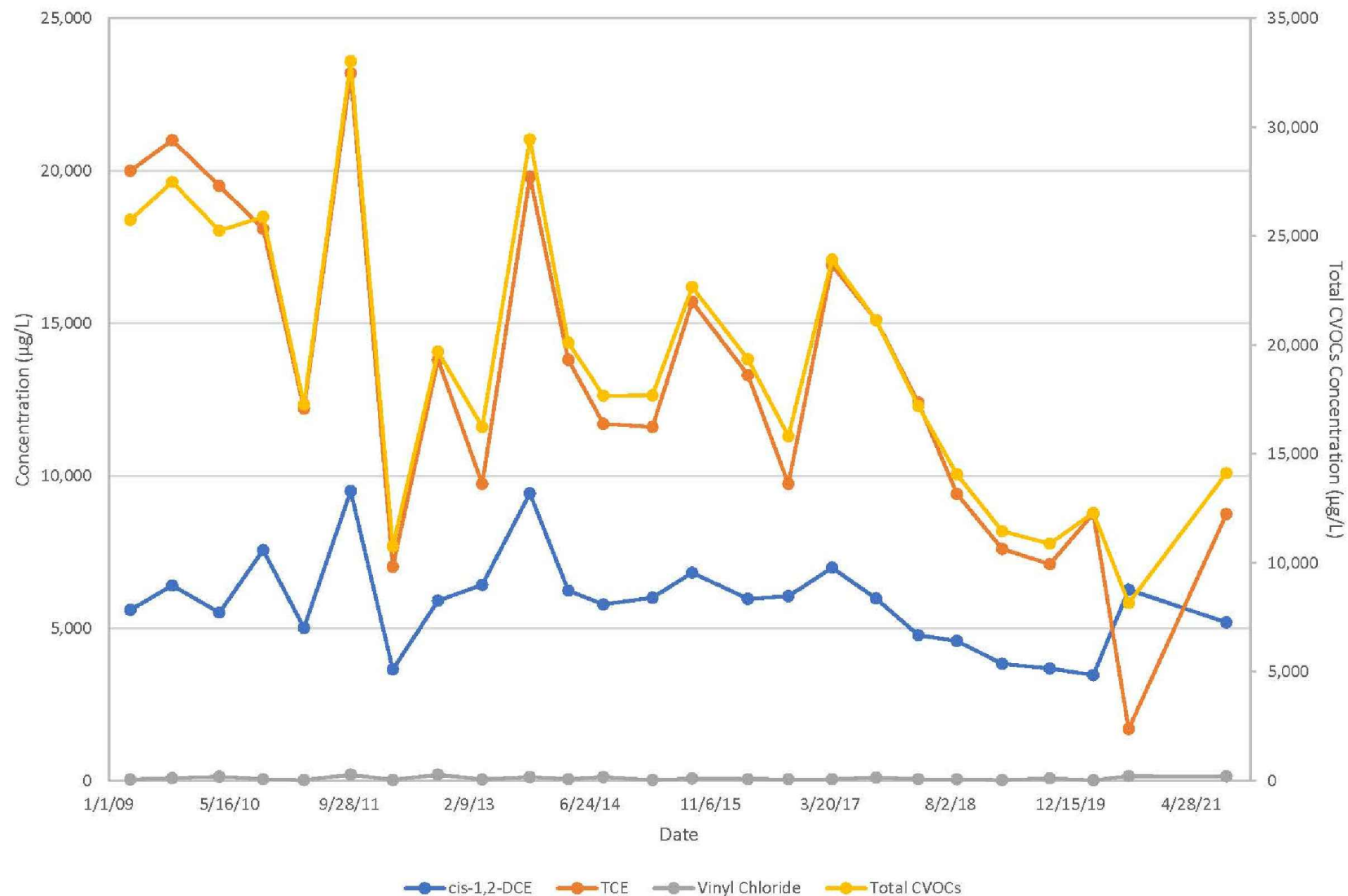
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FIGURE 1-5

CONCENTRATION TRENDS FOR
SITE-SPECIFIC CVOCs MONITORING WELL
MW-2B

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ITHACA, NEW YORK

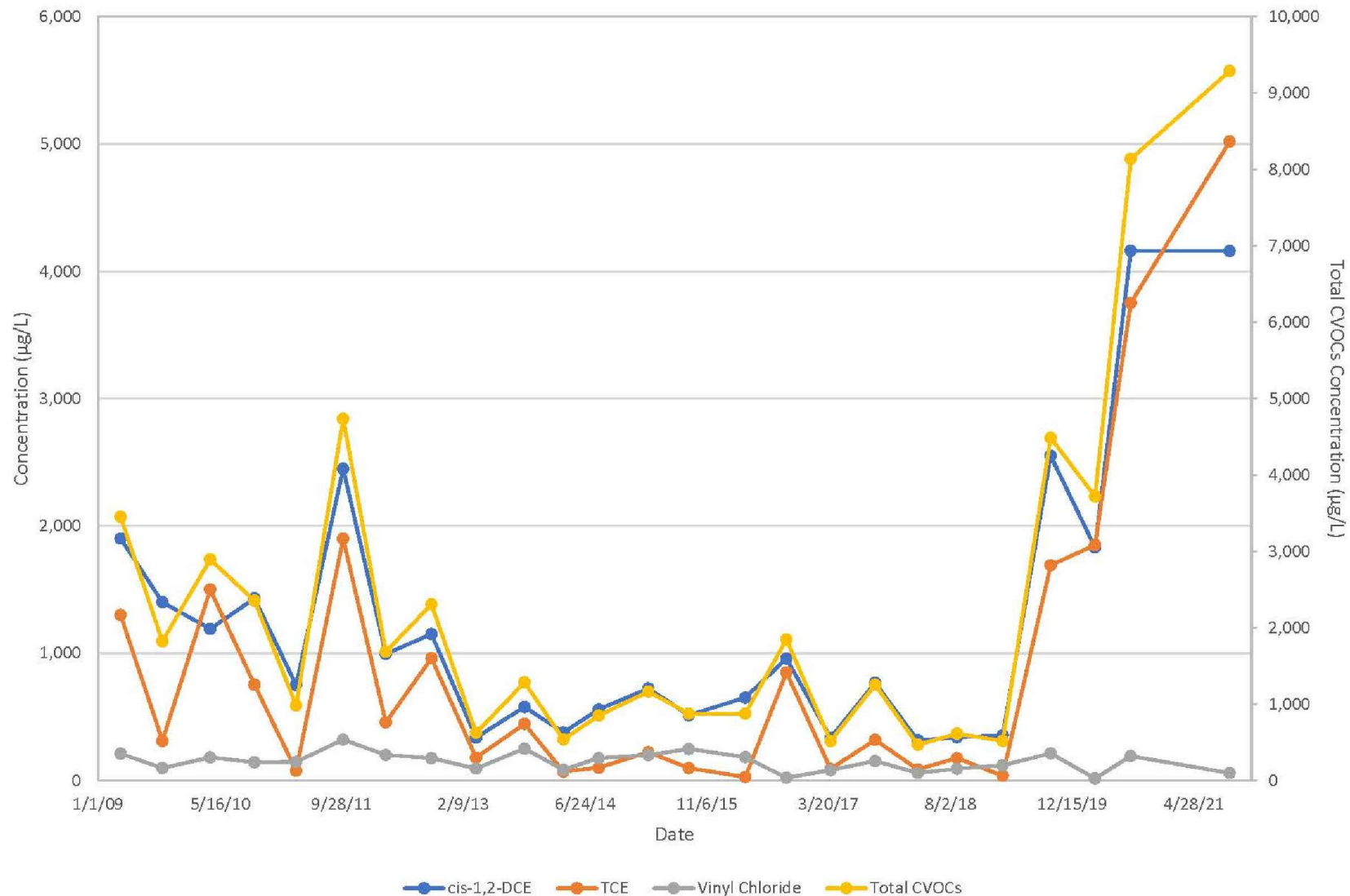
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FIGURE 1-6

CONCENTRATION TRENDS FOR
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MW-3B

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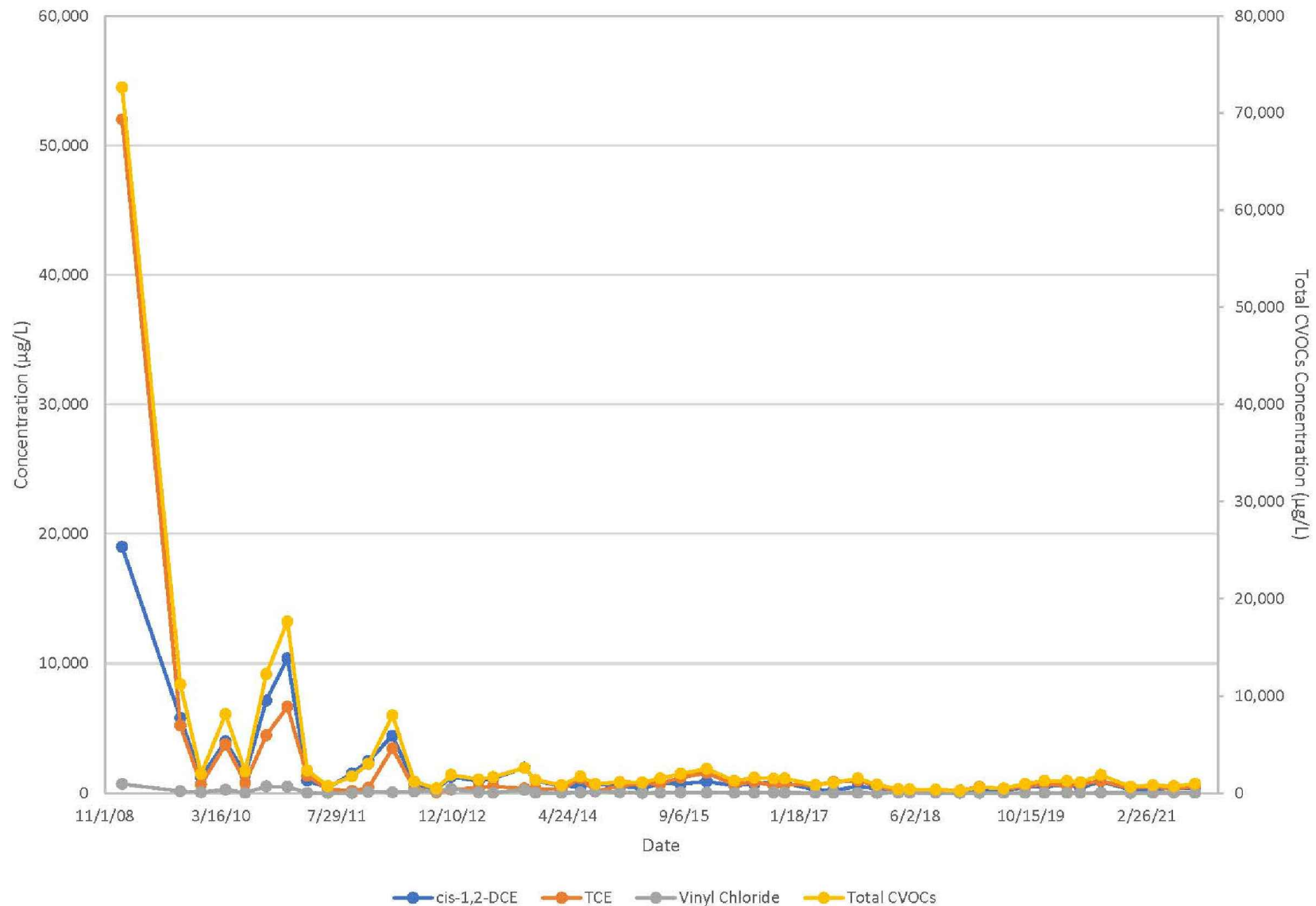
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FIGURE 1-7

CONCENTRATION TRENDS FOR
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MW-5B

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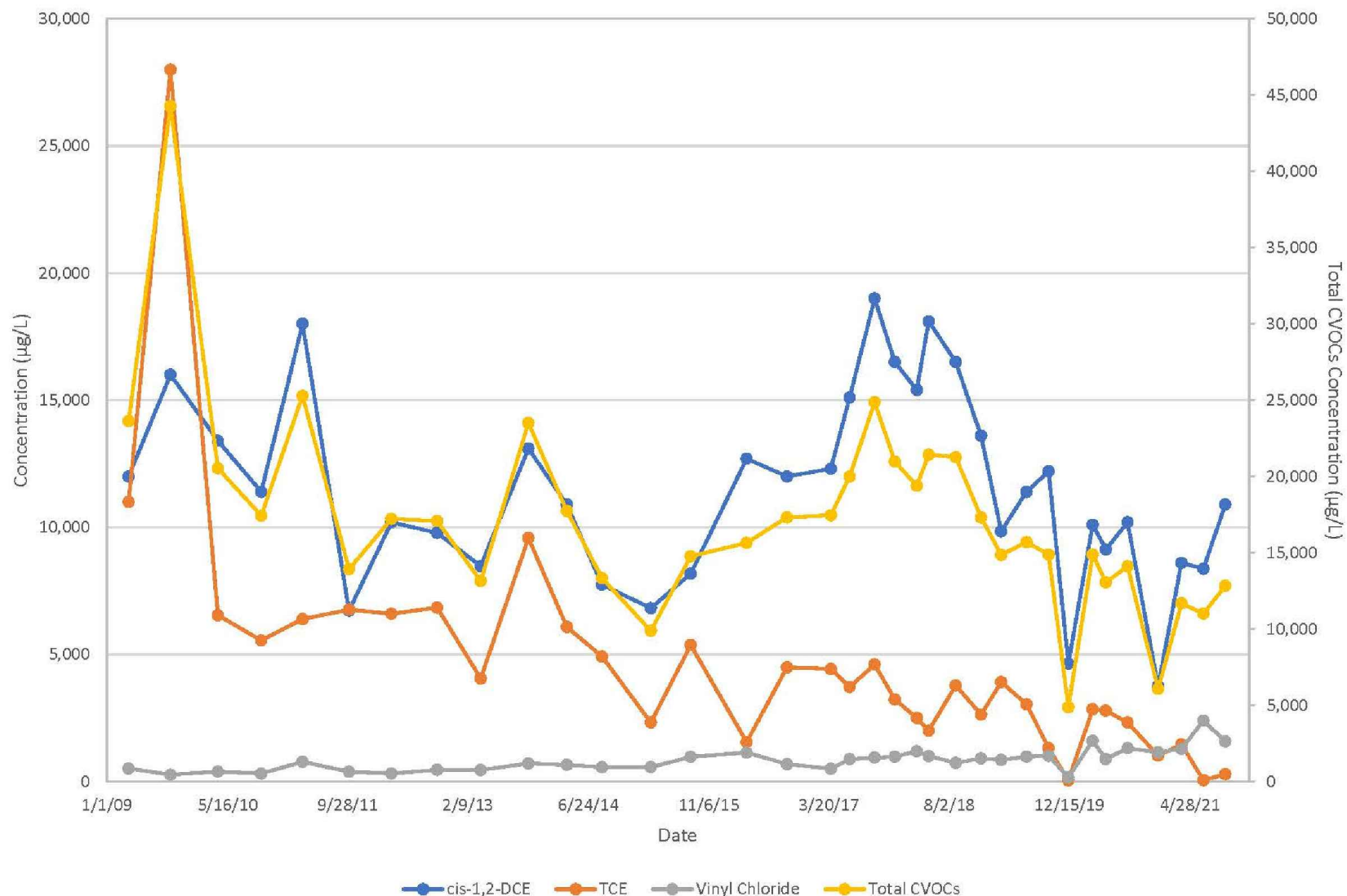
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FIGURE 1-8

CONCENTRATION TRENDS FOR
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MW-5-40

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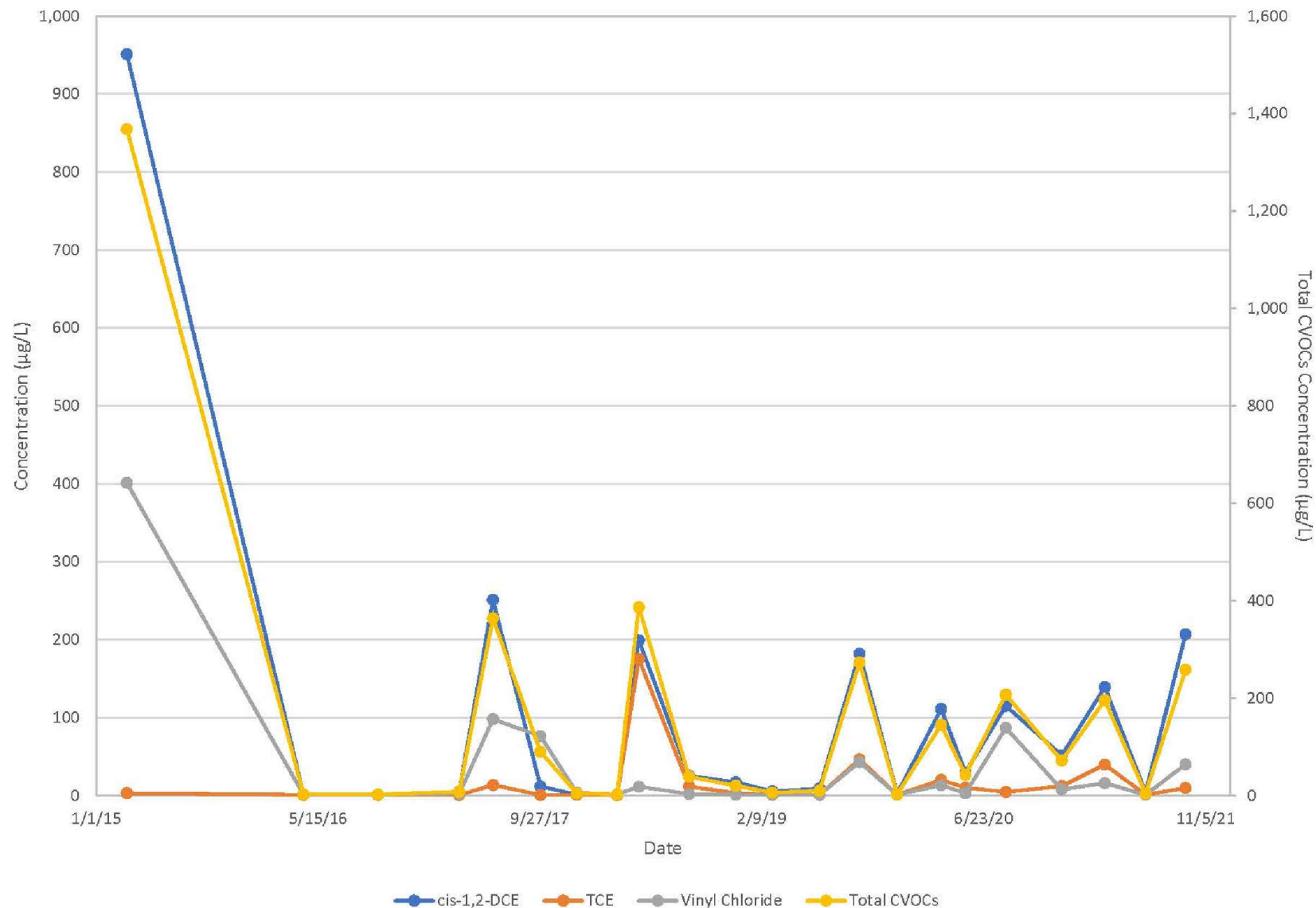
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FIGURE 1-9

CONCENTRATION TRENDS FOR
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MW-7B

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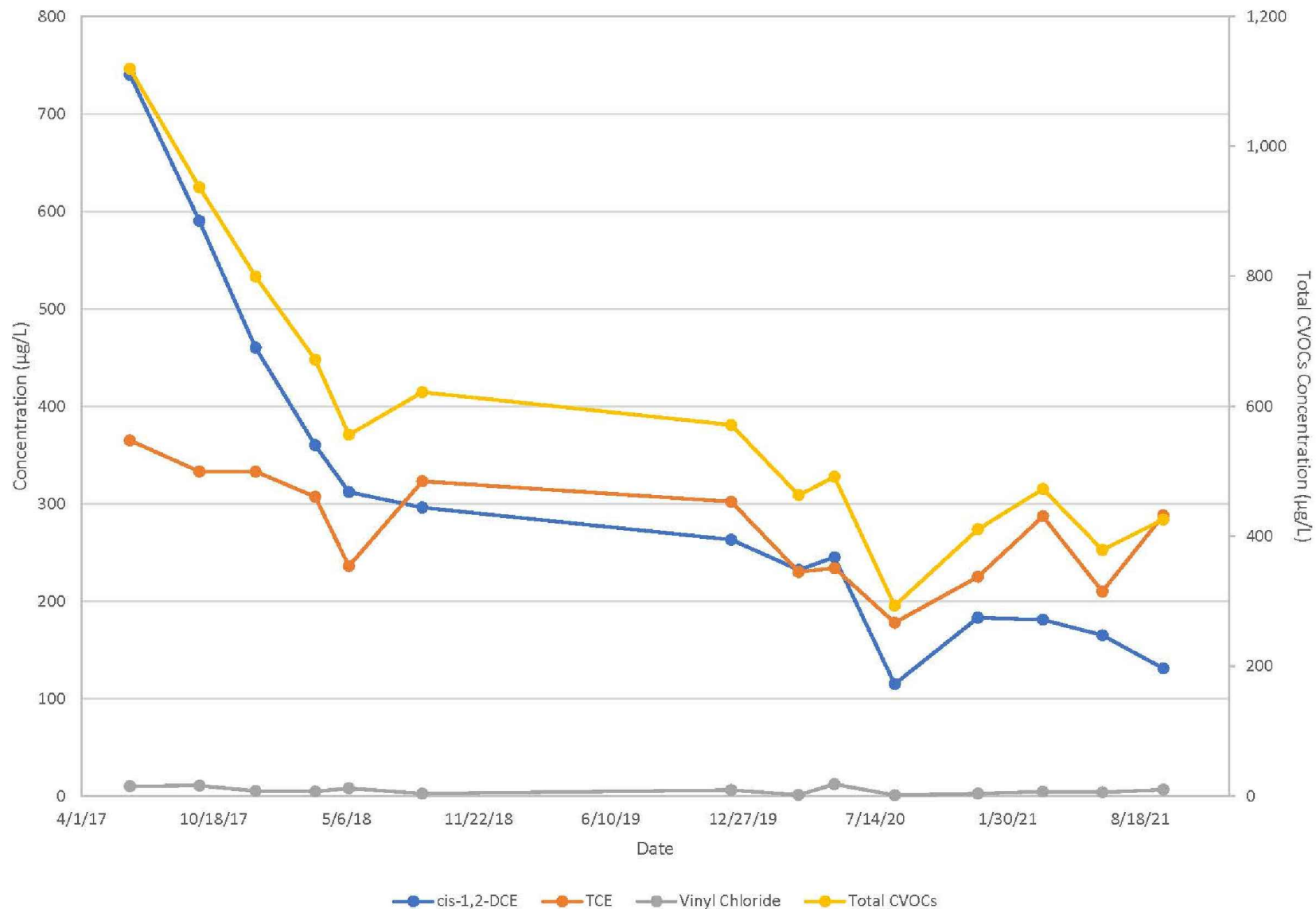
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FIGURE 1-10

CONCENTRATION TRENDS FOR
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MW-13C

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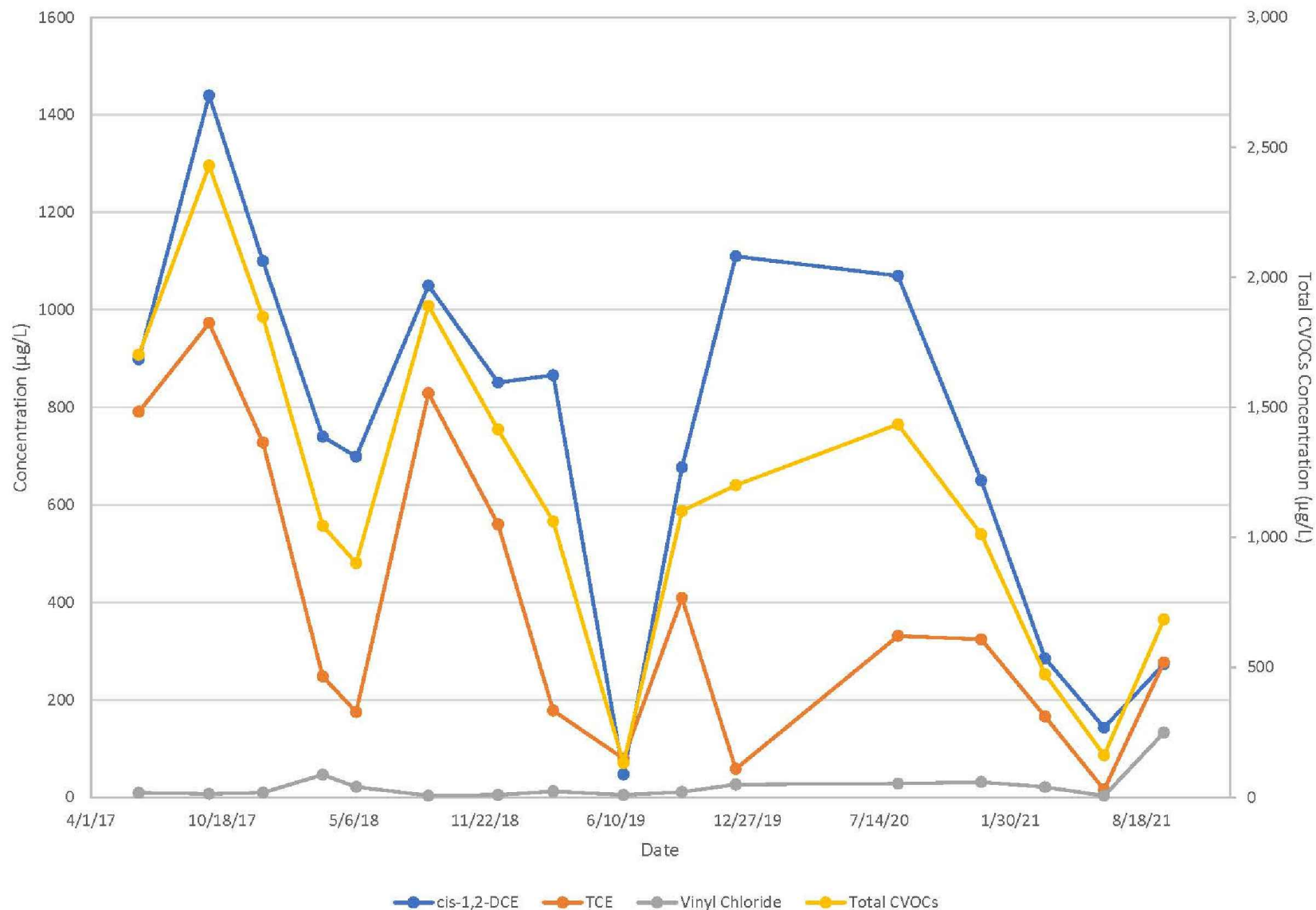
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FIGURE 1-11

CONCENTRATION TRENDS FOR
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MW-15C

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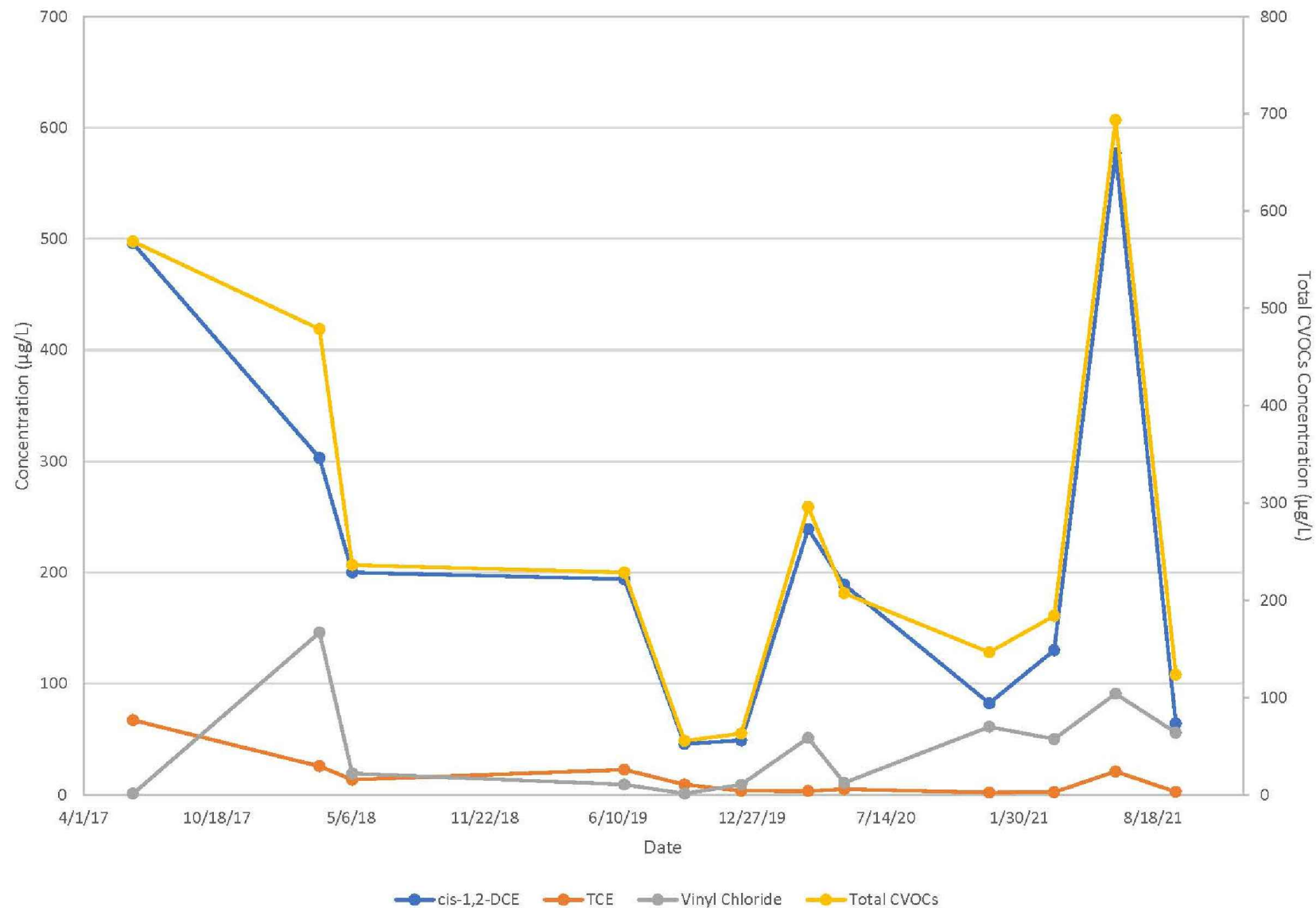
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FIGURE 1-12

CONCENTRATION TRENDS FOR
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MW-36B

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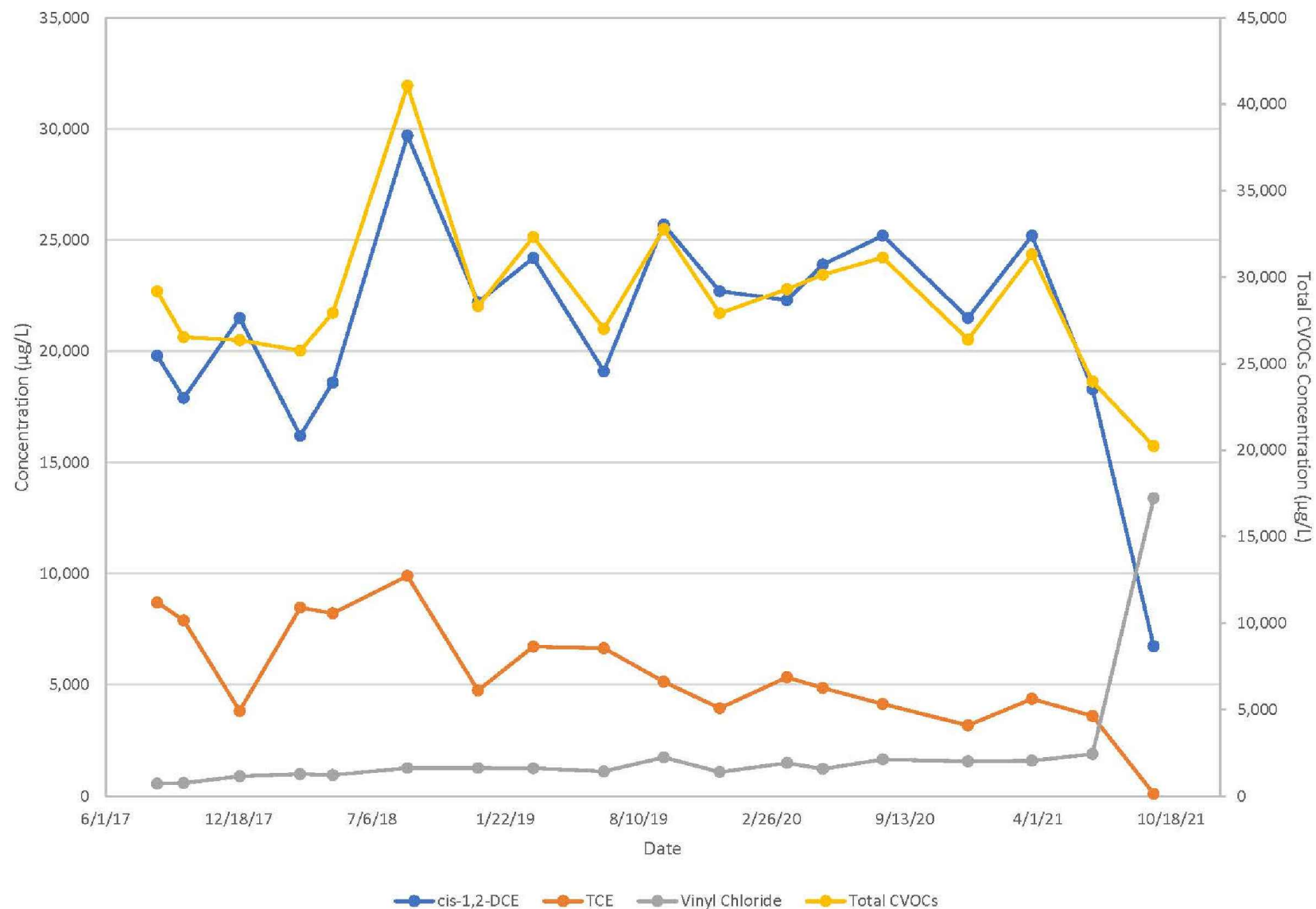
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FIGURE 1-13

CONCENTRATION TRENDS FOR
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MW-46-43C

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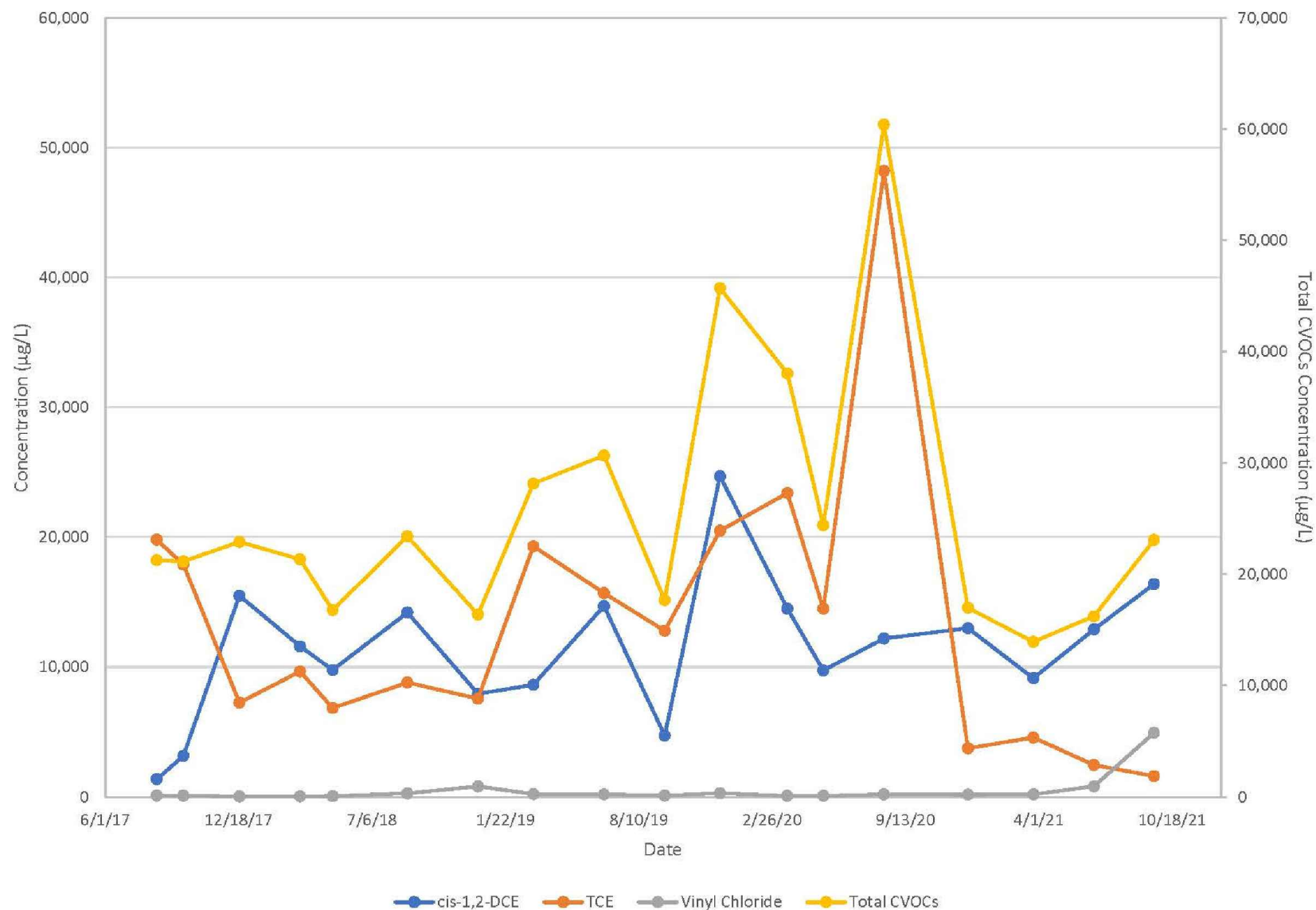
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FIGURE 1-14

CONCENTRATION TRENDS FOR
SITE-SPECIFIC CVOCs MONITORING WELL
MW-46-72C

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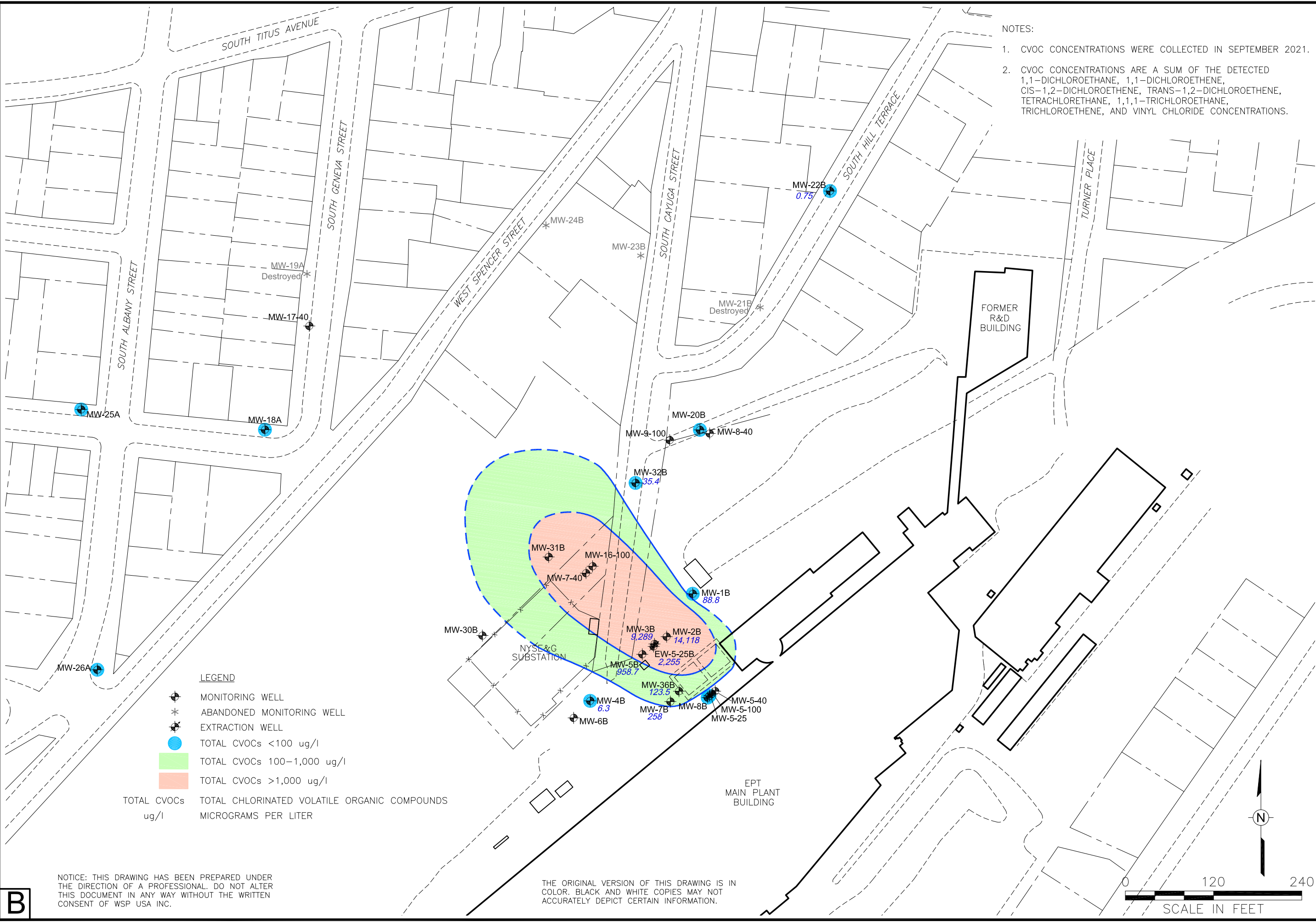
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B

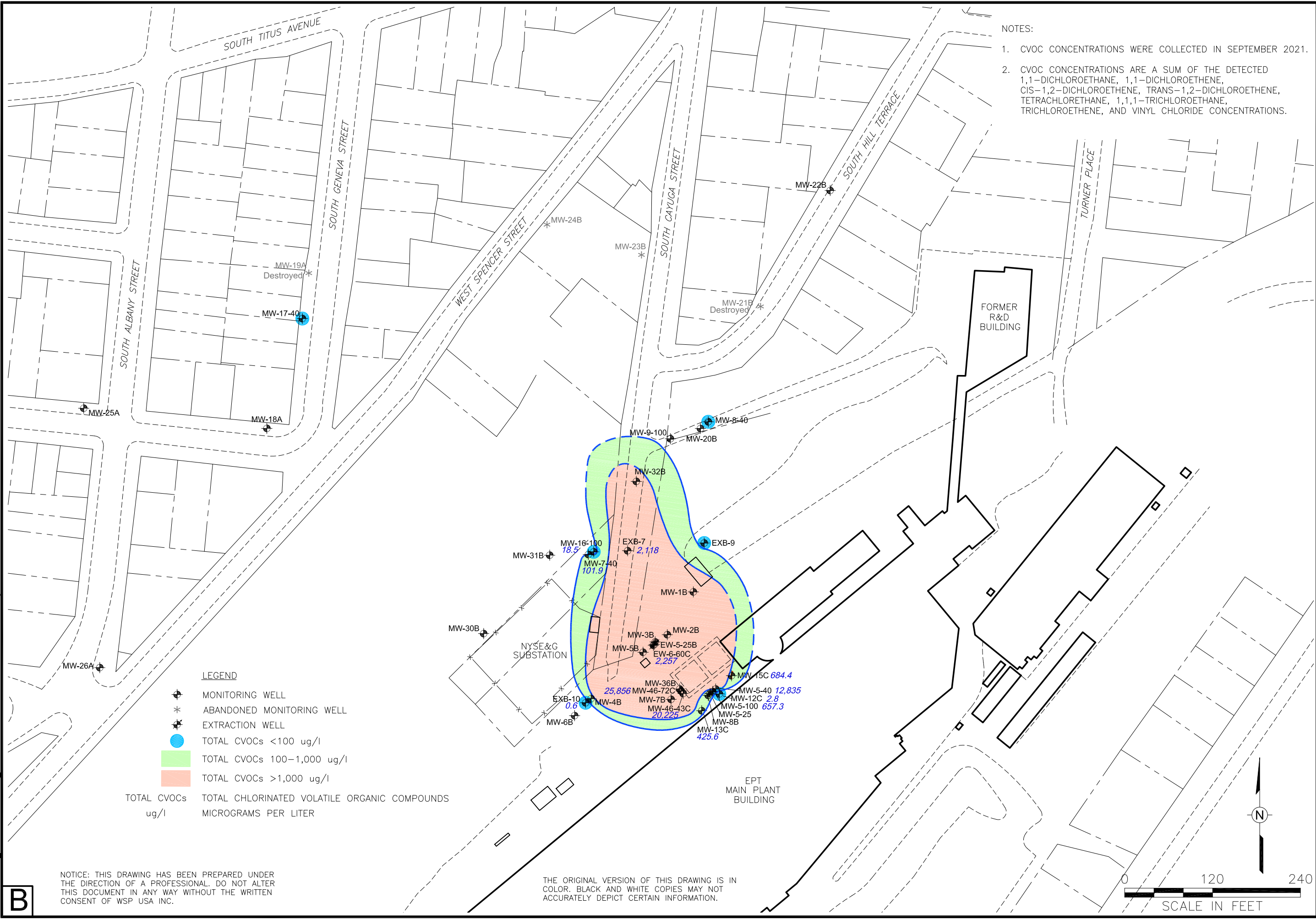


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R:\ACAD\CADD\CLIENT\Emerson\NY_Ithaca\314V1545.001\CAD\314V1545.001-040.dwg 12/10/2021 8:26 AM USEC01012



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FORMER EMERSON POWER TRANSMISSION ITHACA, NEW YORK PREPARED FOR EMERSON POWER TRANSMISSION			
FIGURE 2-2		TOTAL CVOC GROUNDWATER ISOPLETHS C HYDROGEOLOGIC ZONE (FIRE WATER RESERVOIR AREA)	
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