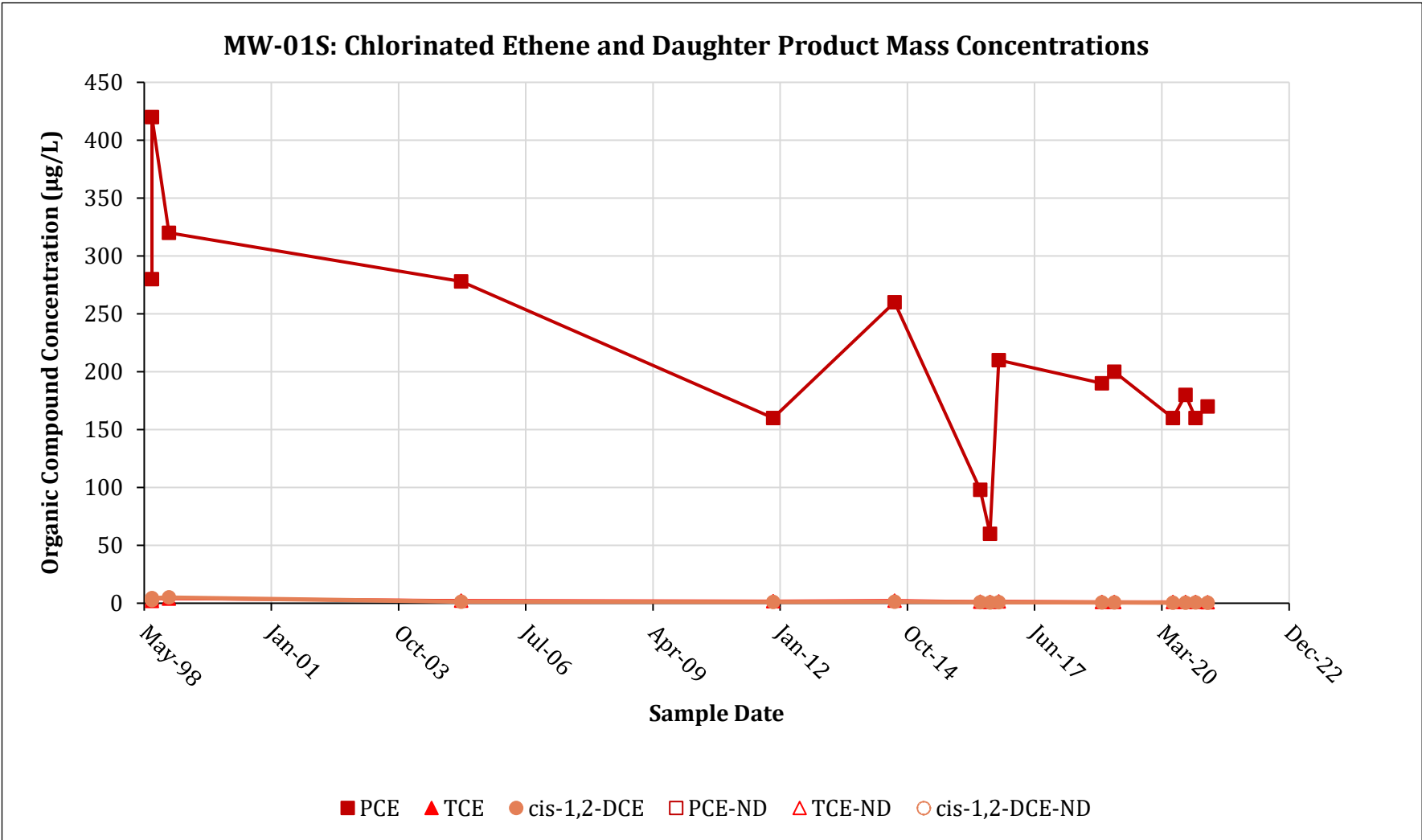


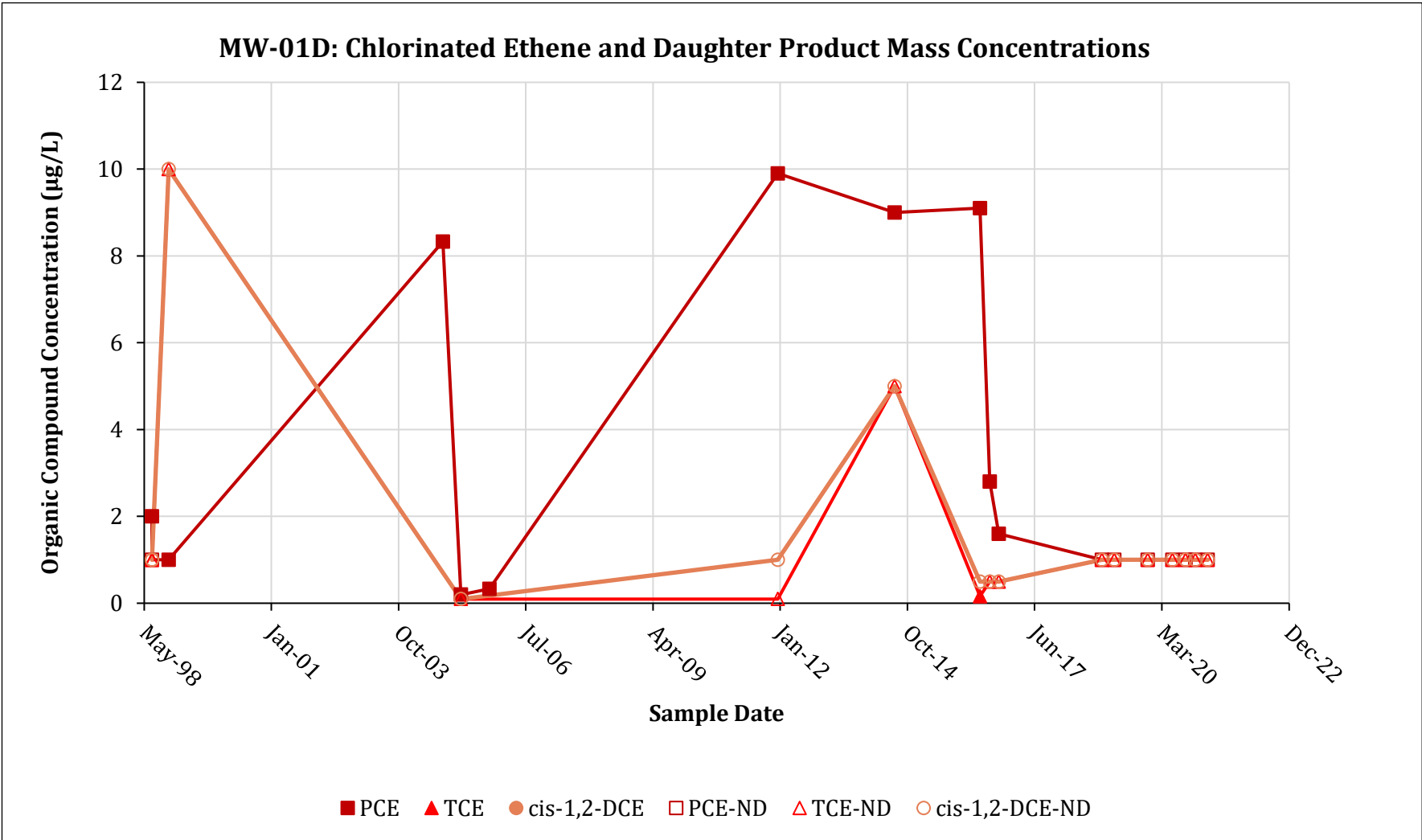
Appendix G

Contaminant Persistence Supporting Information

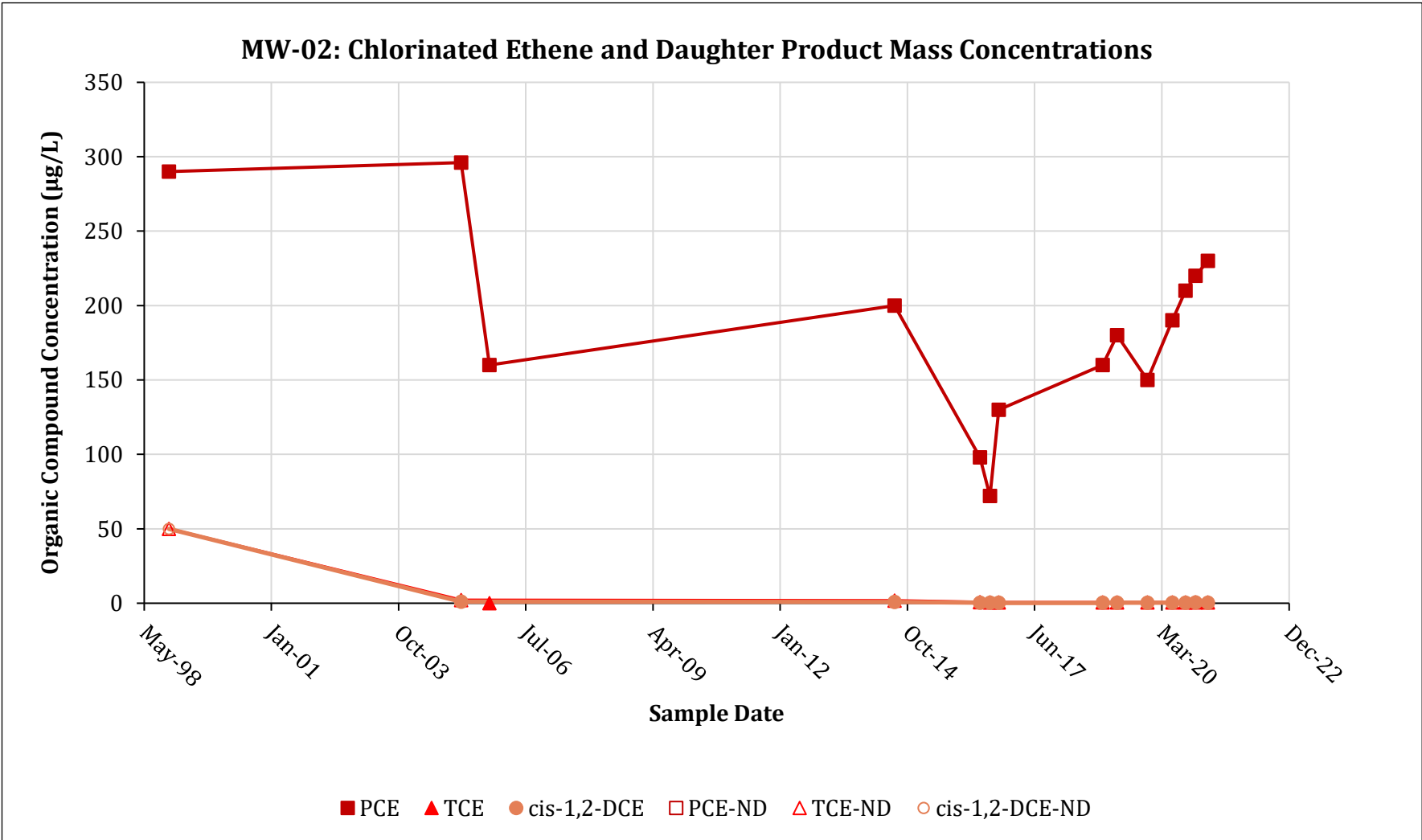
**Appendix G
Contaminant Persistence Supporting Information
MW-01S Chart**



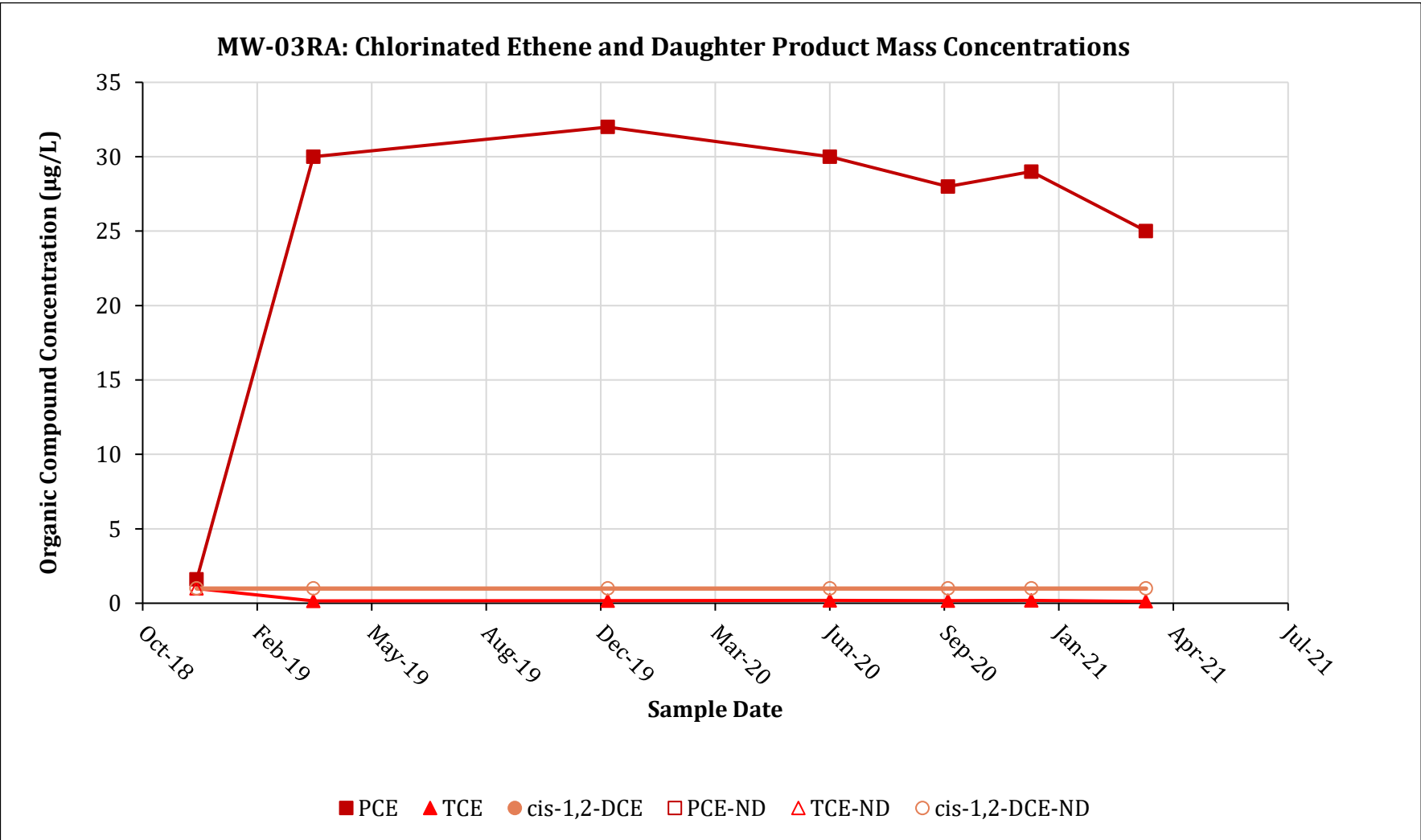
**Appendix G
Contaminant Persistence Supporting Information
MW-01D Chart**



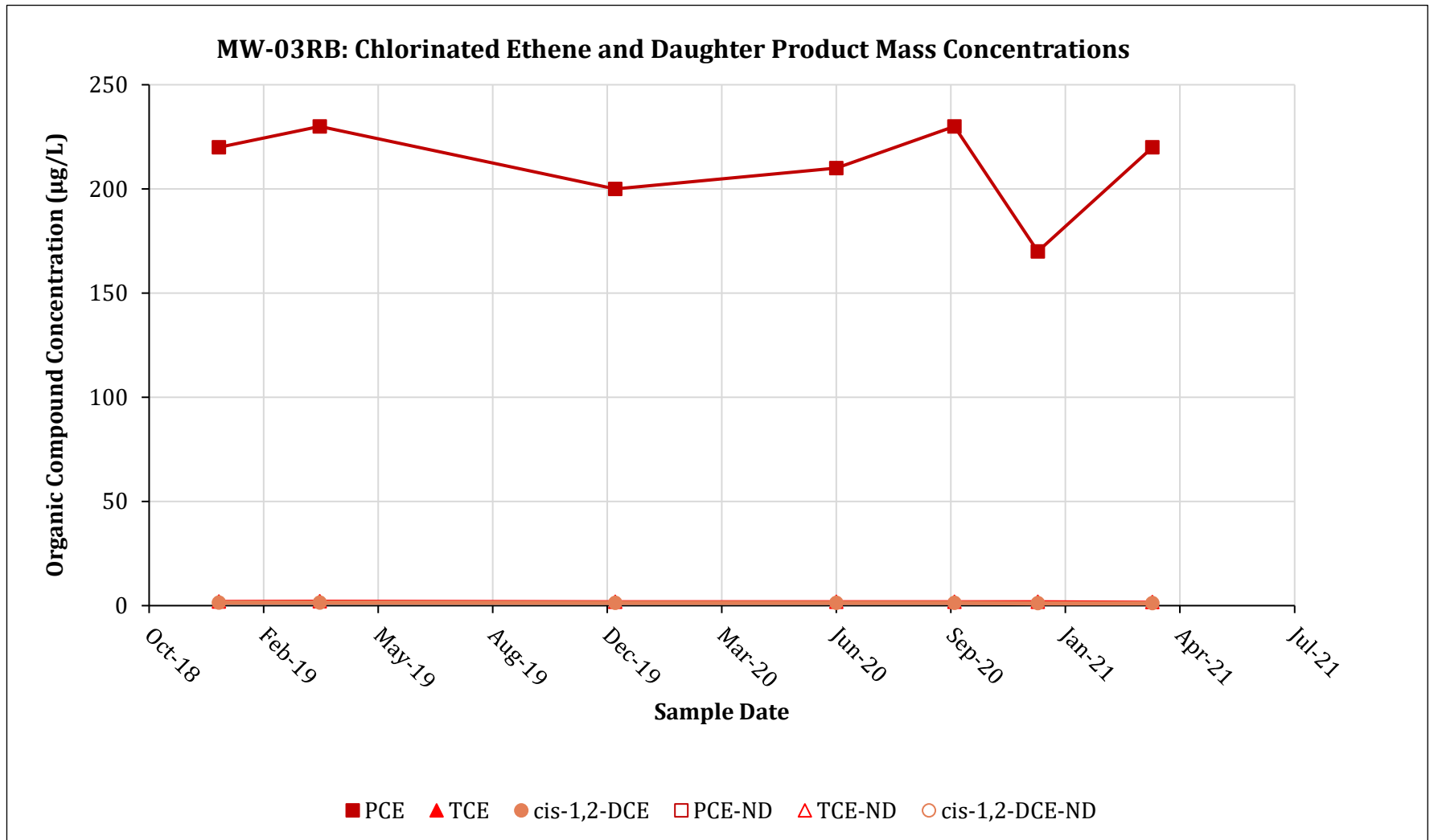
**Appendix G
Contaminant Persistence Supporting Information
MW-02 Chart**



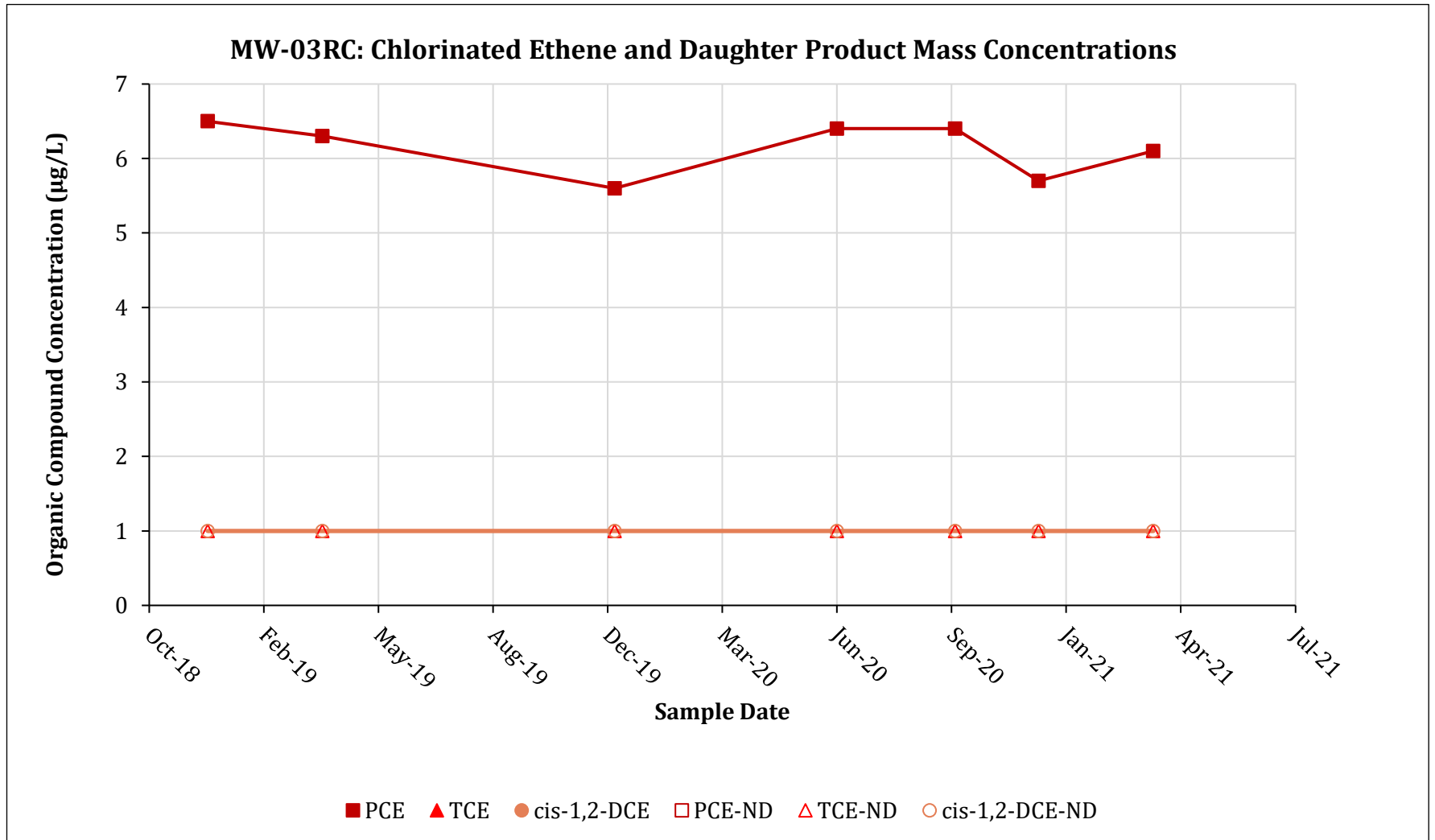
Appendix G
Contaminant Persistence Supporting Information
MW-03RA Chart



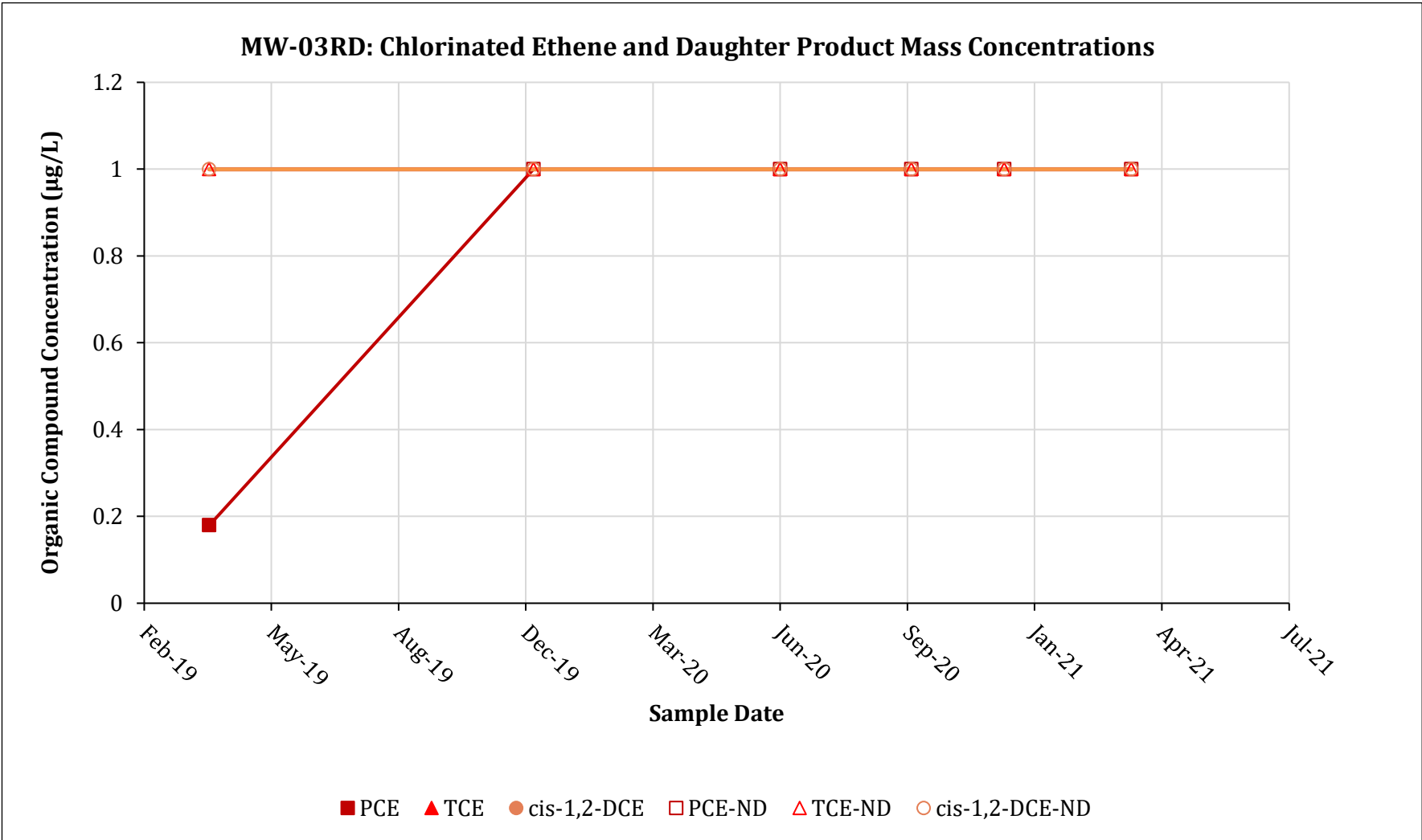
Appendix G
Contaminant Persistence Supporting Information
MW-03RB Chart



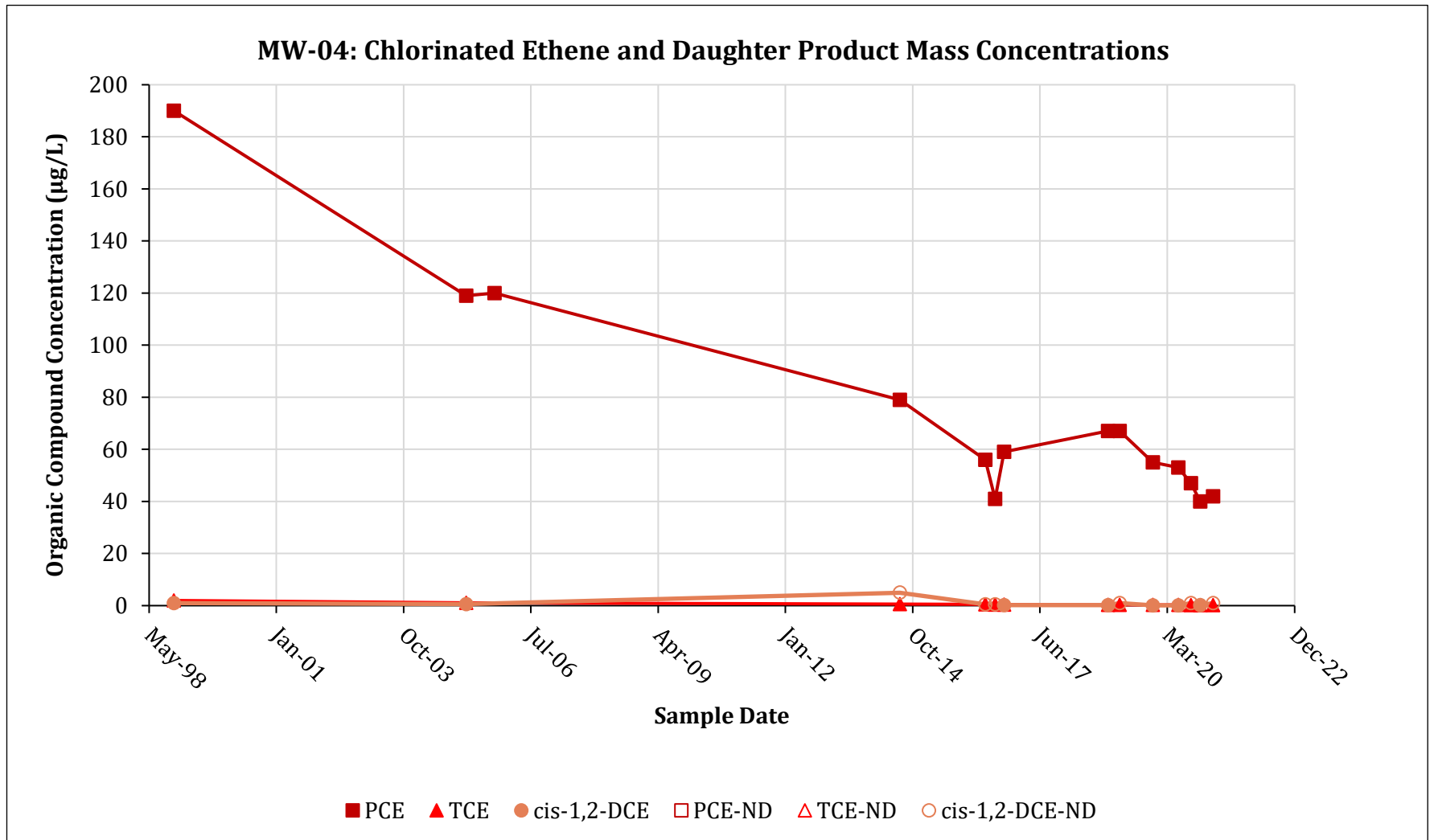
Appendix G
Contaminant Persistence Supporting Information
MW-03RC Chart



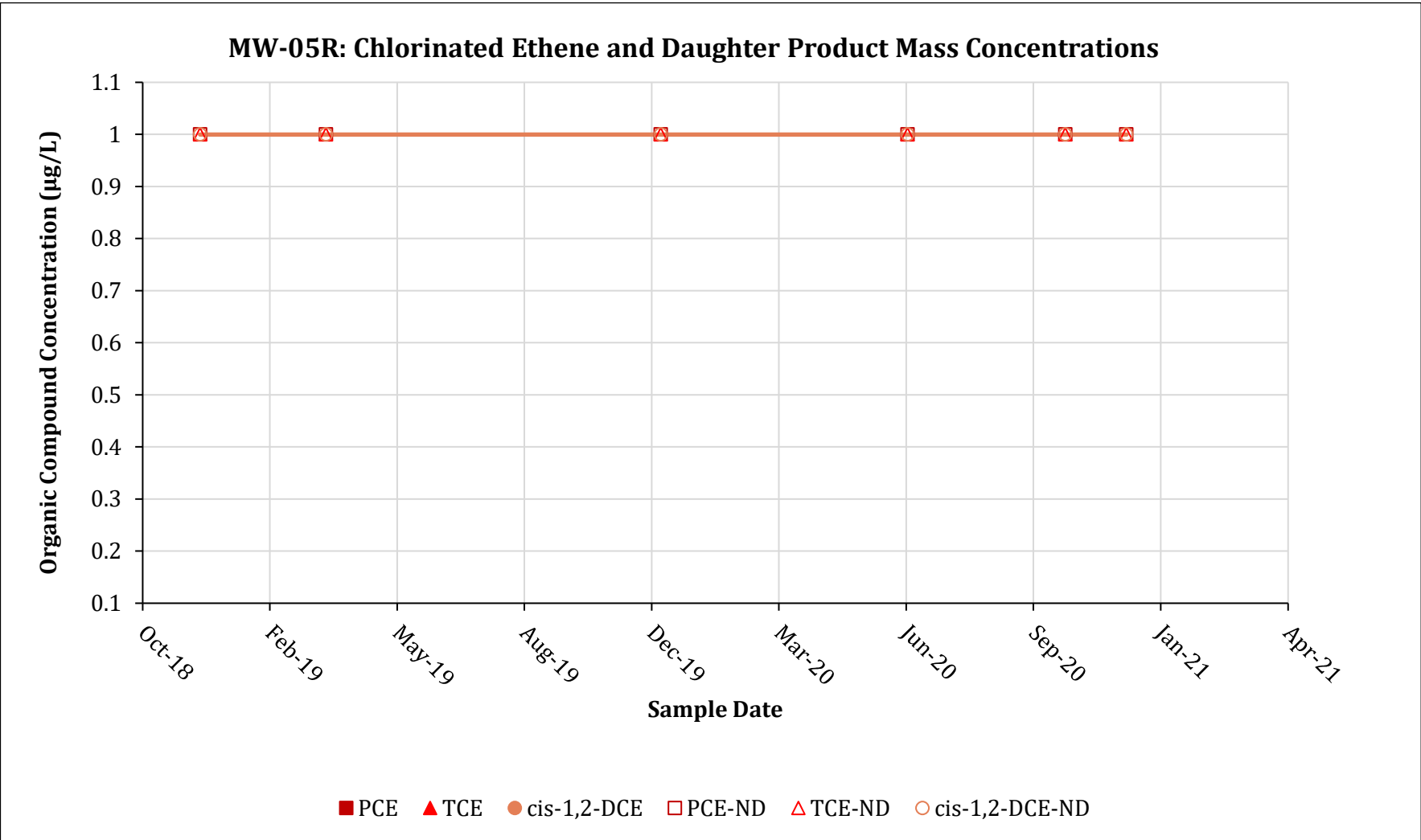
Appendix G
Contaminant Persistence Supporting Information
MW-03RD Chart



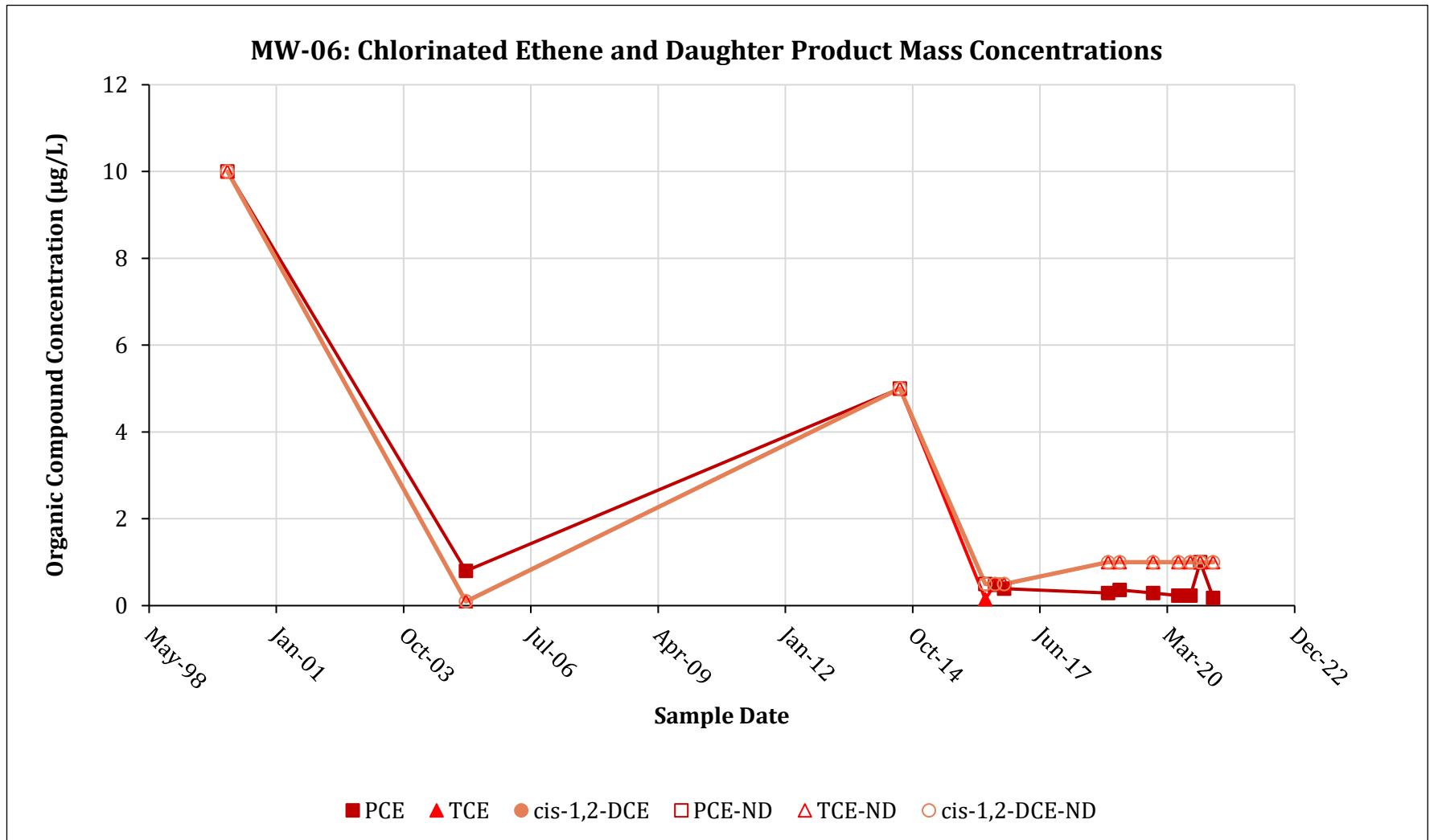
Appendix G
Contaminant Persistence Supporting Information
MW-04 Chart



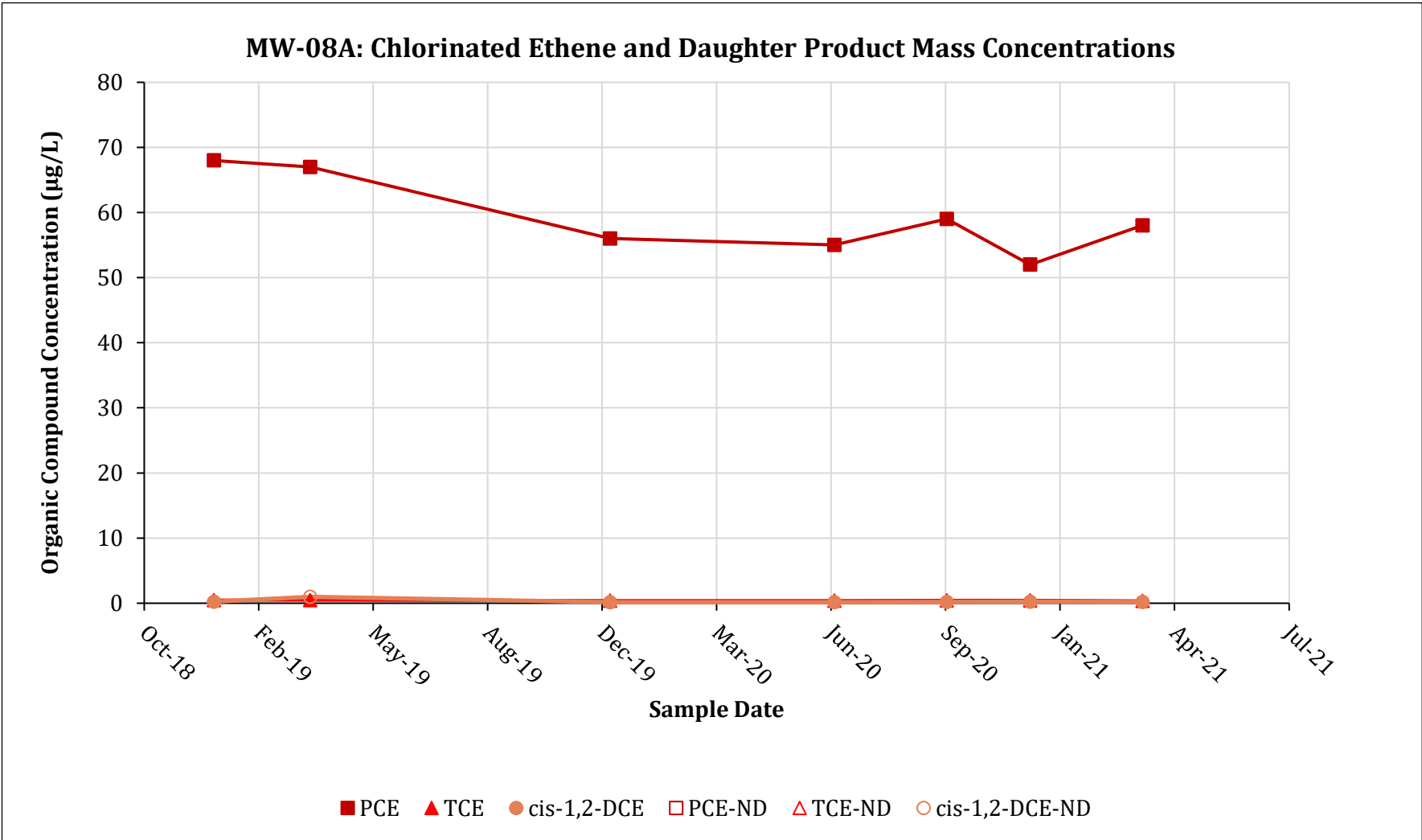
Appendix G
Contaminant Persistence Supporting Information
MW-05R Chart



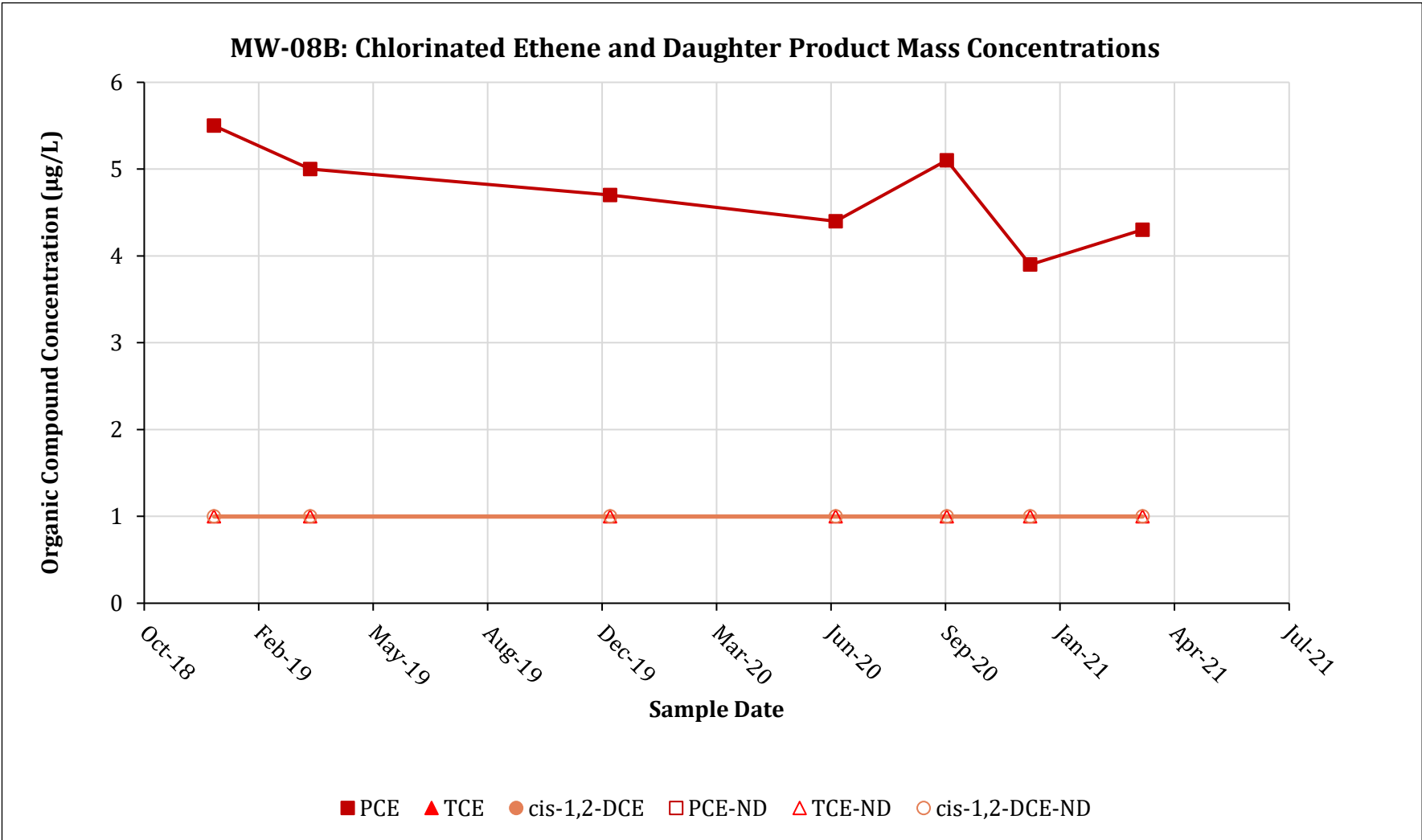
Appendix G
Contaminant Persistence Supporting Information
MW-06 Chart



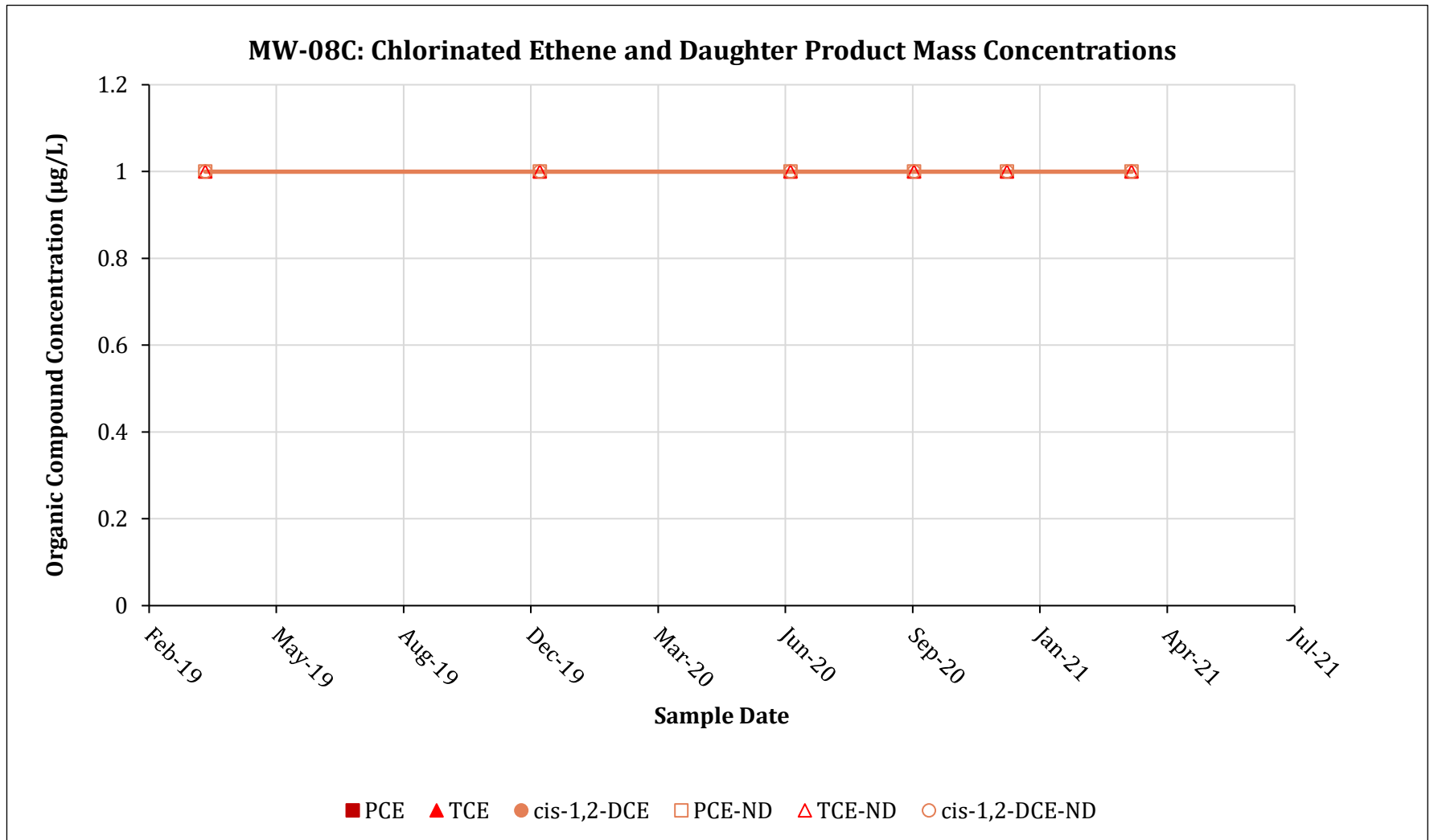
Appendix G
Contaminant Persistence Supporting Information
MW-08A Chart



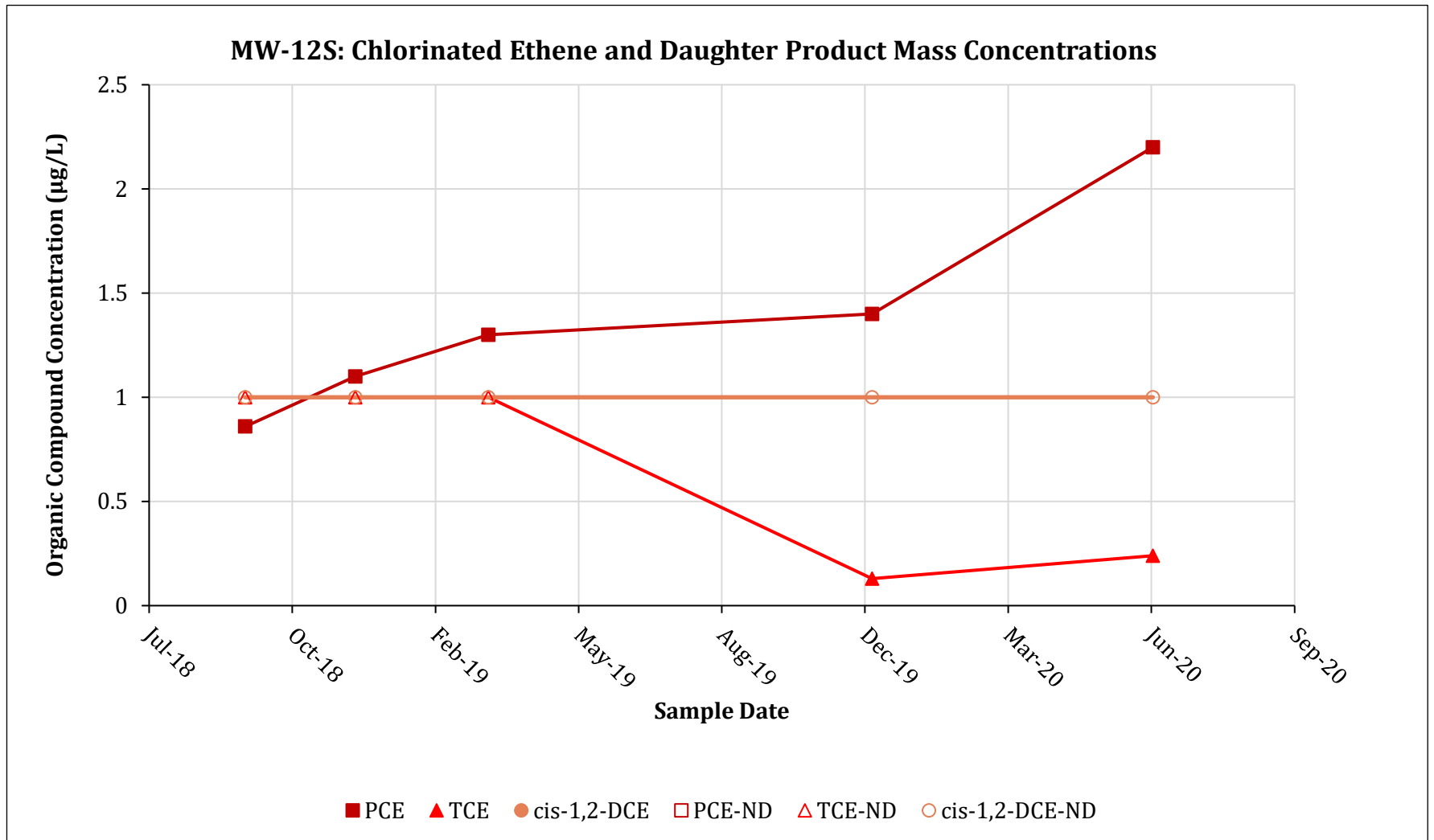
Appendix G
Contaminant Persistence Supporting Information
MW-08B Chart



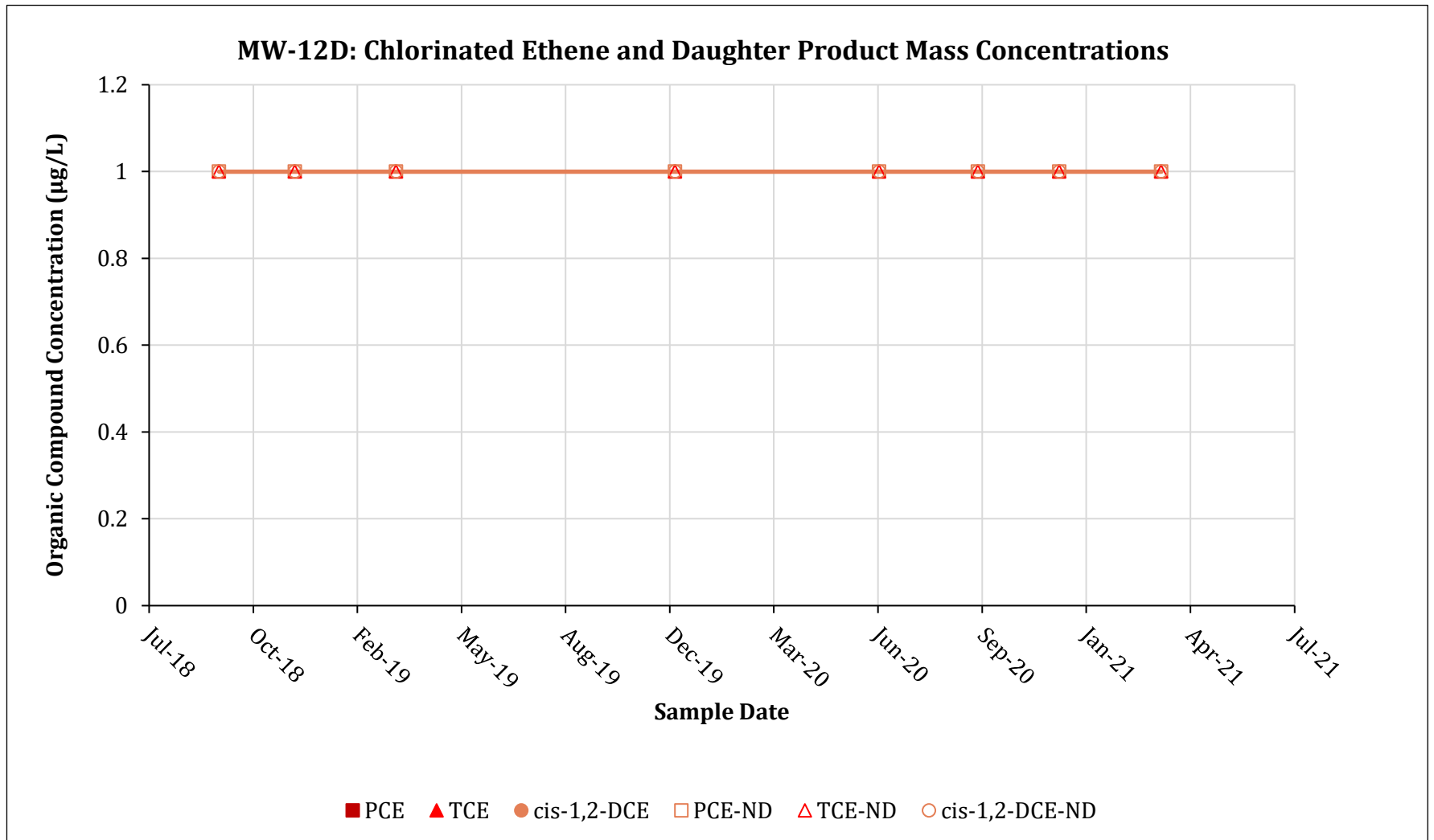
Appendix G
Contaminant Persistence Supporting Information
MW-08C Chart



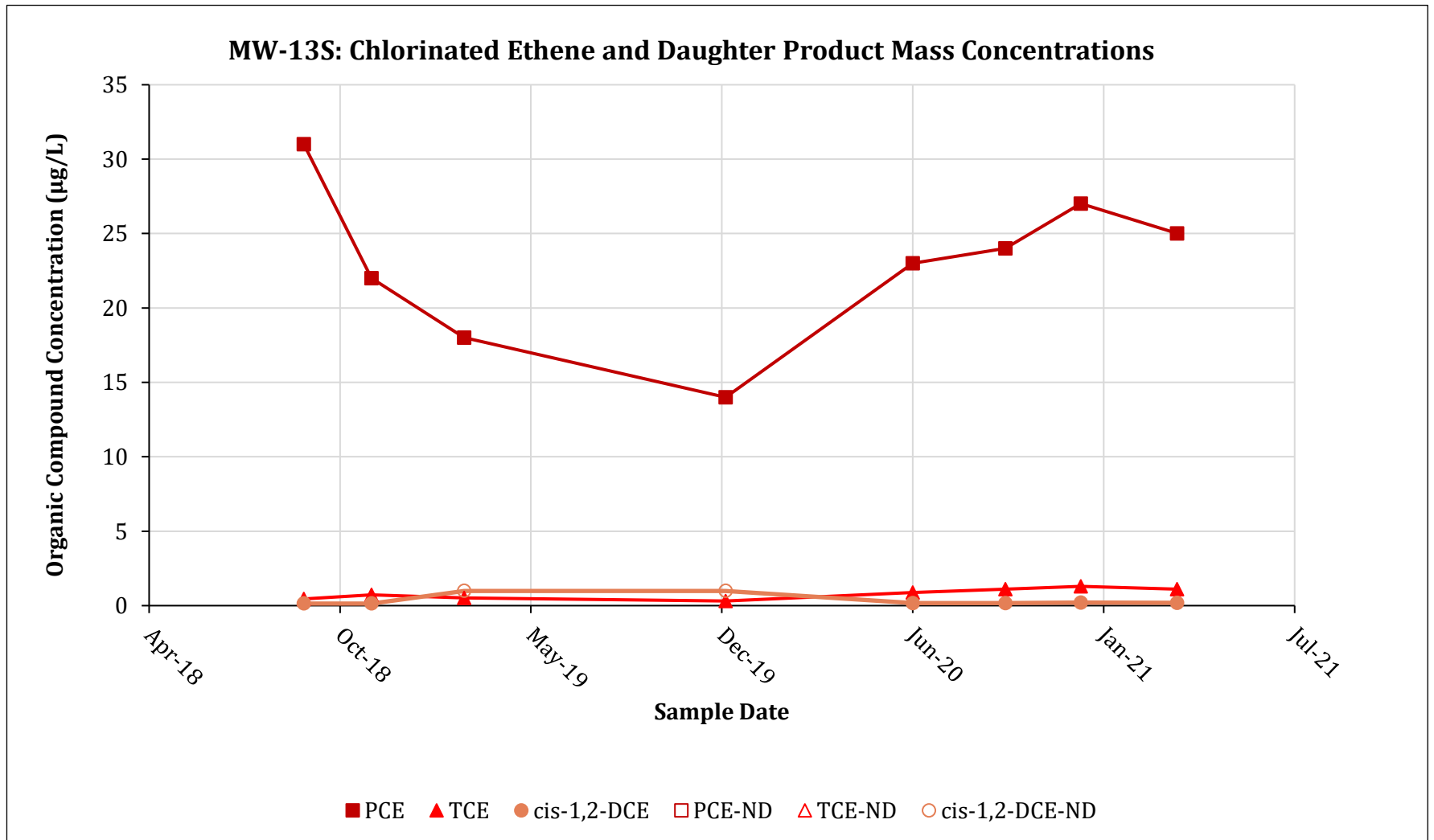
Appendix G
Contaminant Persistence Supporting Information
MW-12S Chart



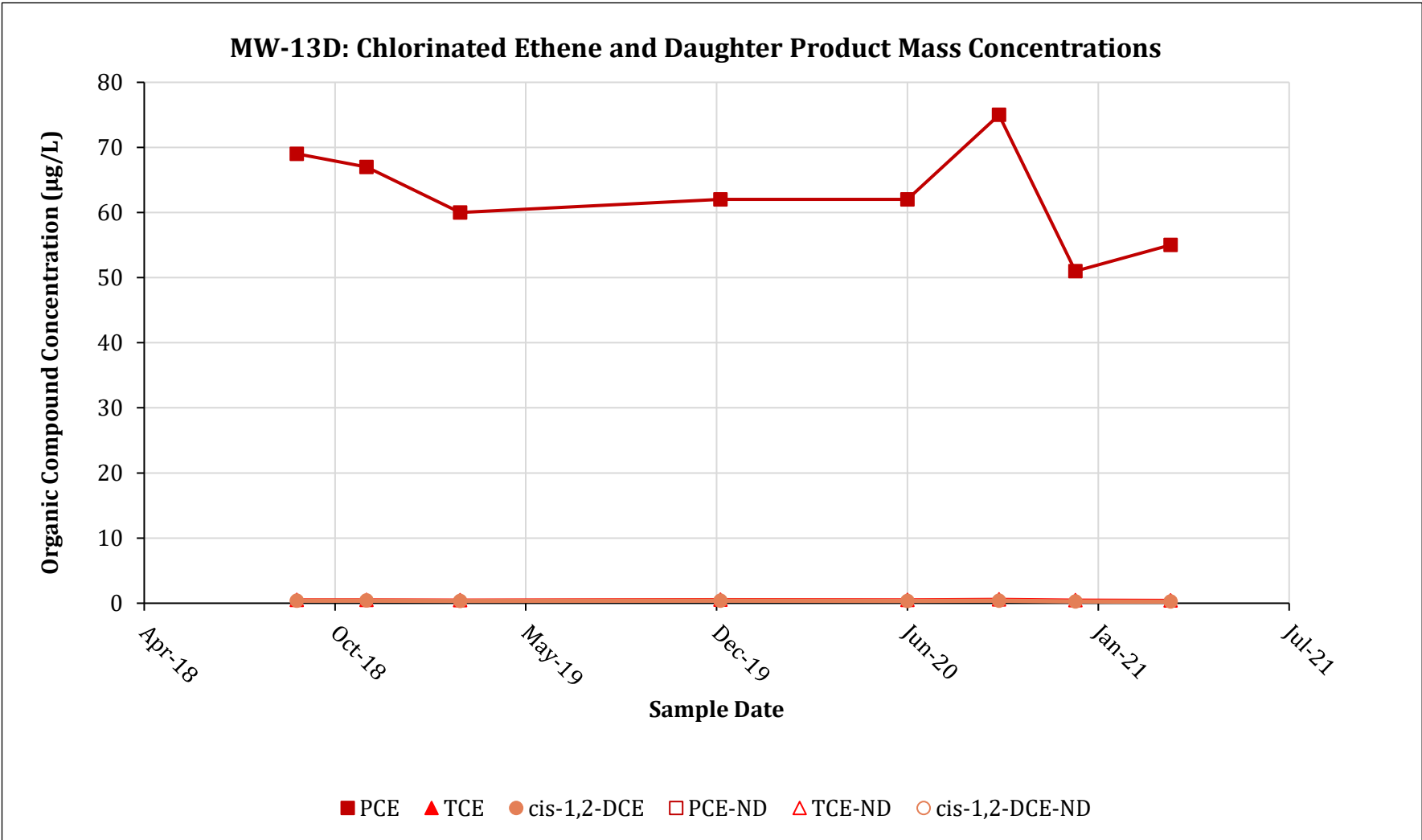
Appendix G
Contaminant Persistence Supporting Information
MW-12D Chart



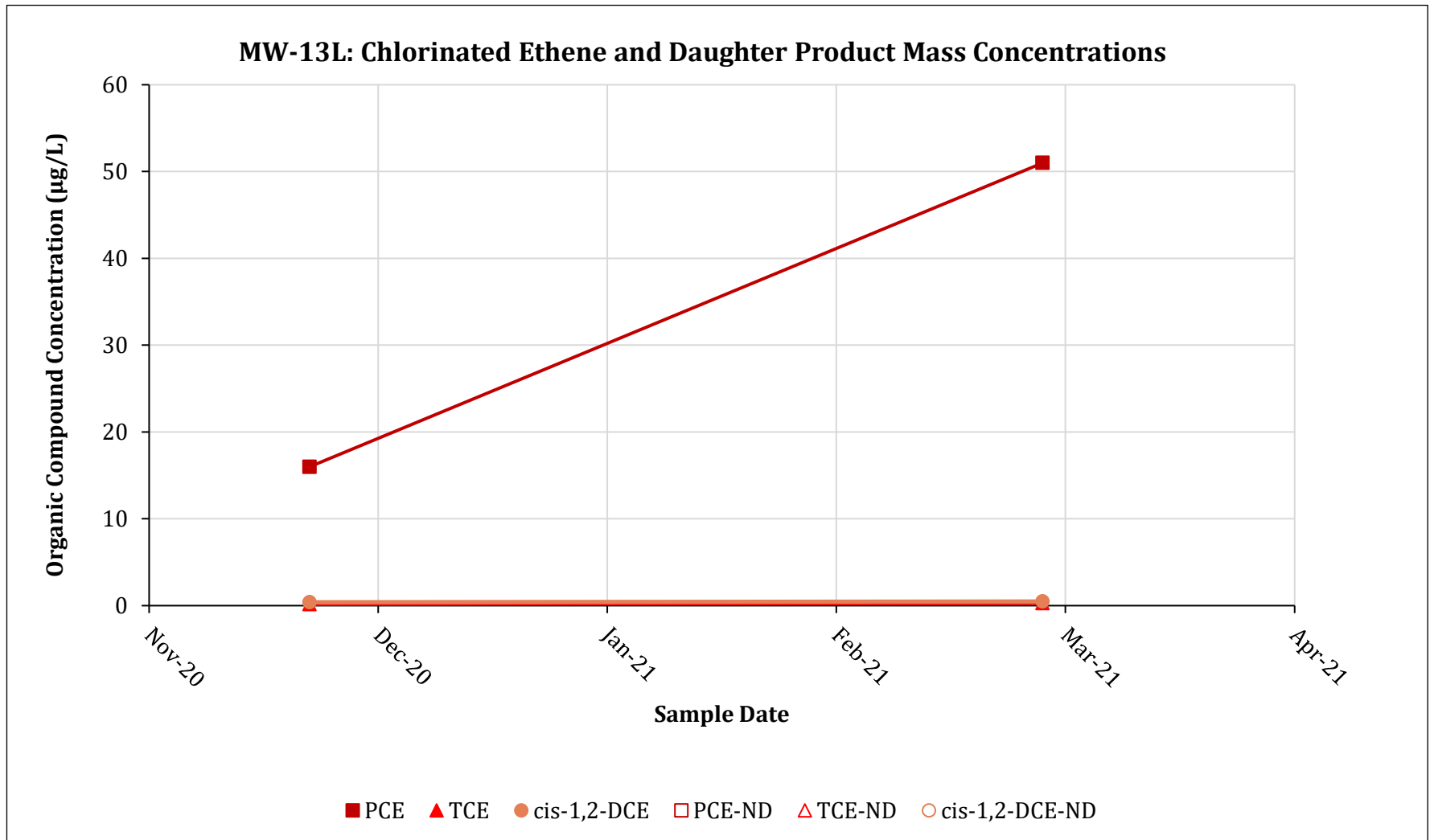
Appendix G
Contaminant Persistence Supporting Information
MW-13S Chart



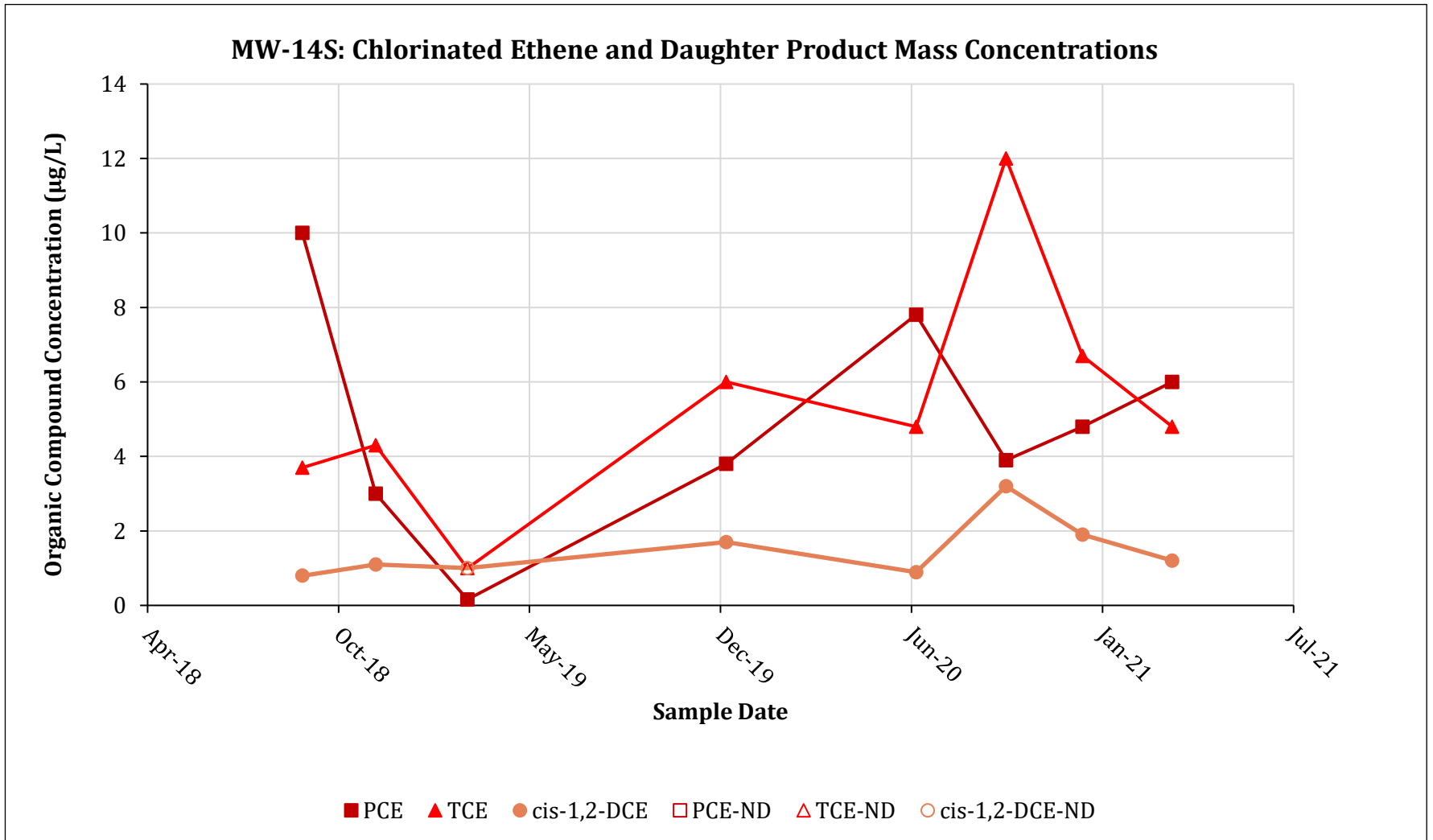
Appendix G
Contaminant Persistence Supporting Information
MW-13D Chart



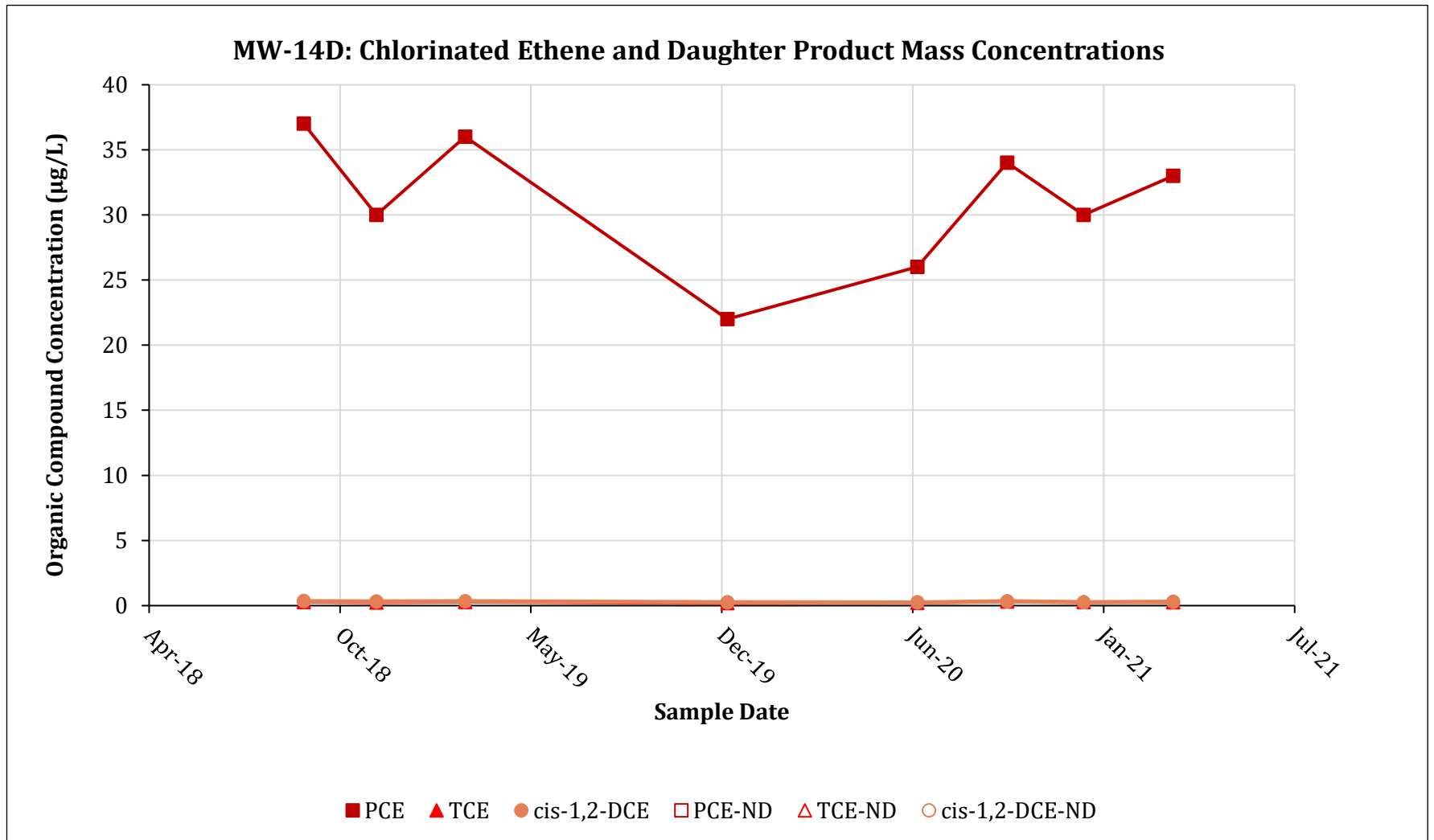
Appendix G
Contaminant Persistence Supporting Information
MW-13L Chart



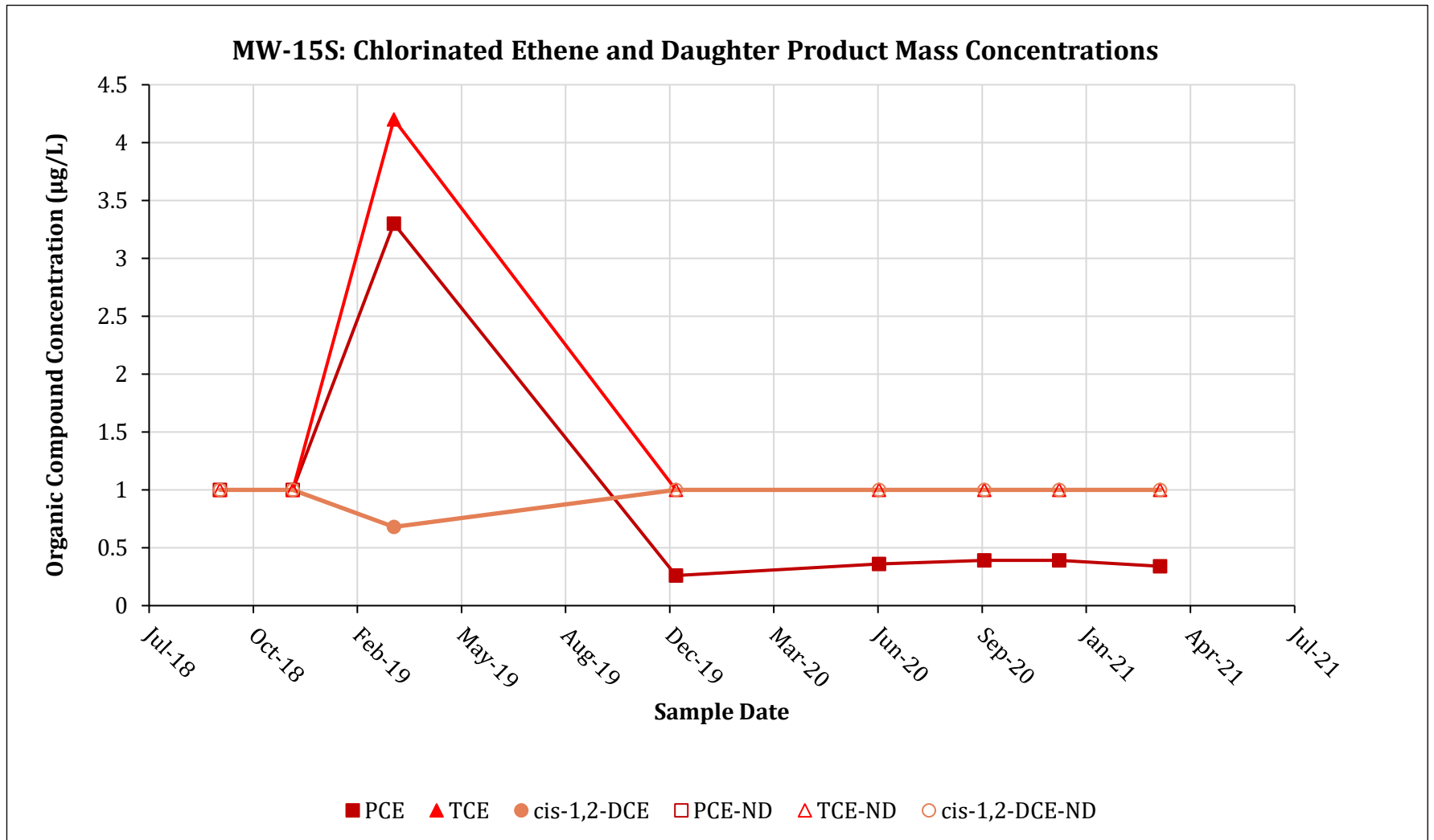
Appendix G
Contaminant Persistence Supporting Information
MW-14S Chart



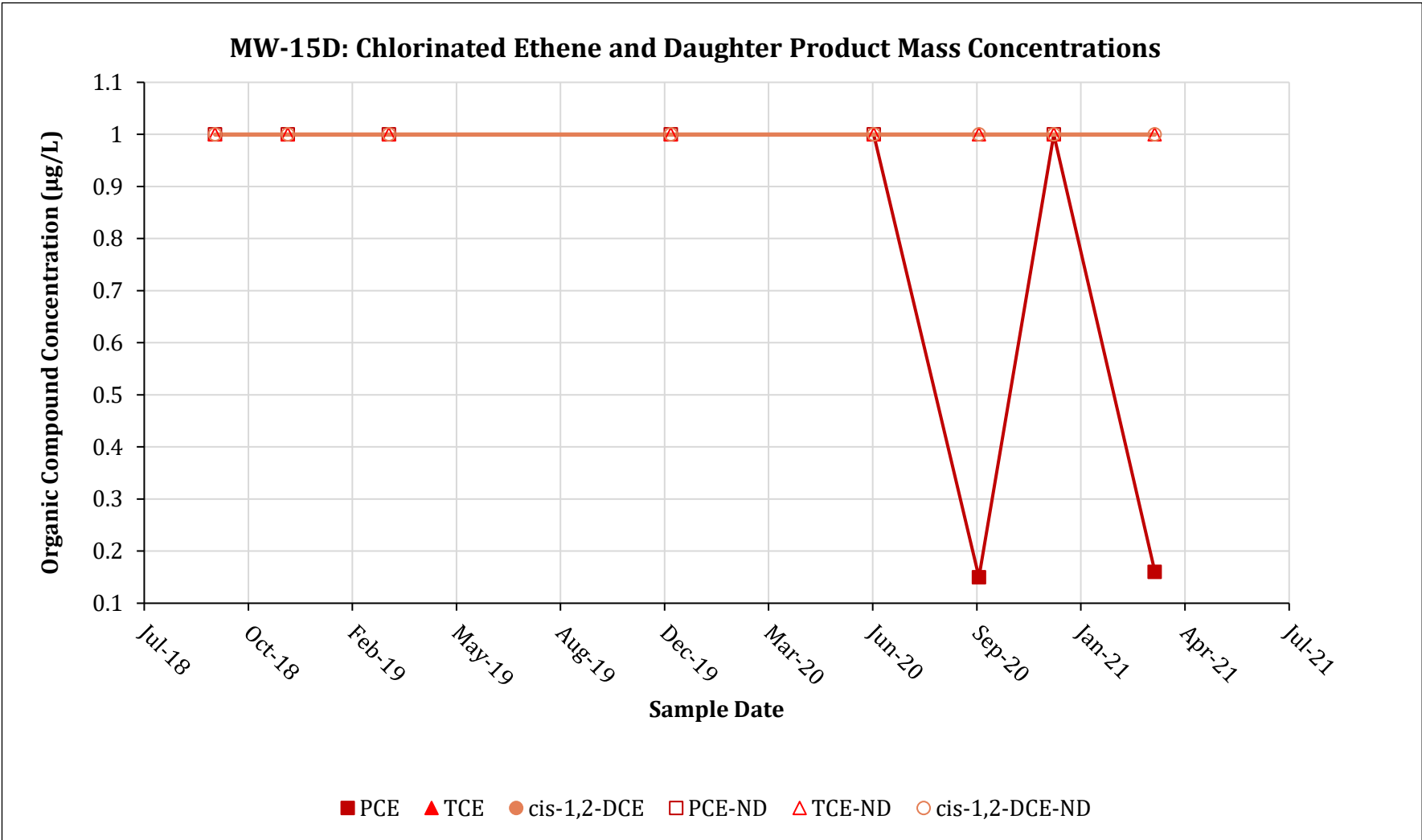
Appendix G
Contaminant Persistence Supporting Information
MW-14D Chart



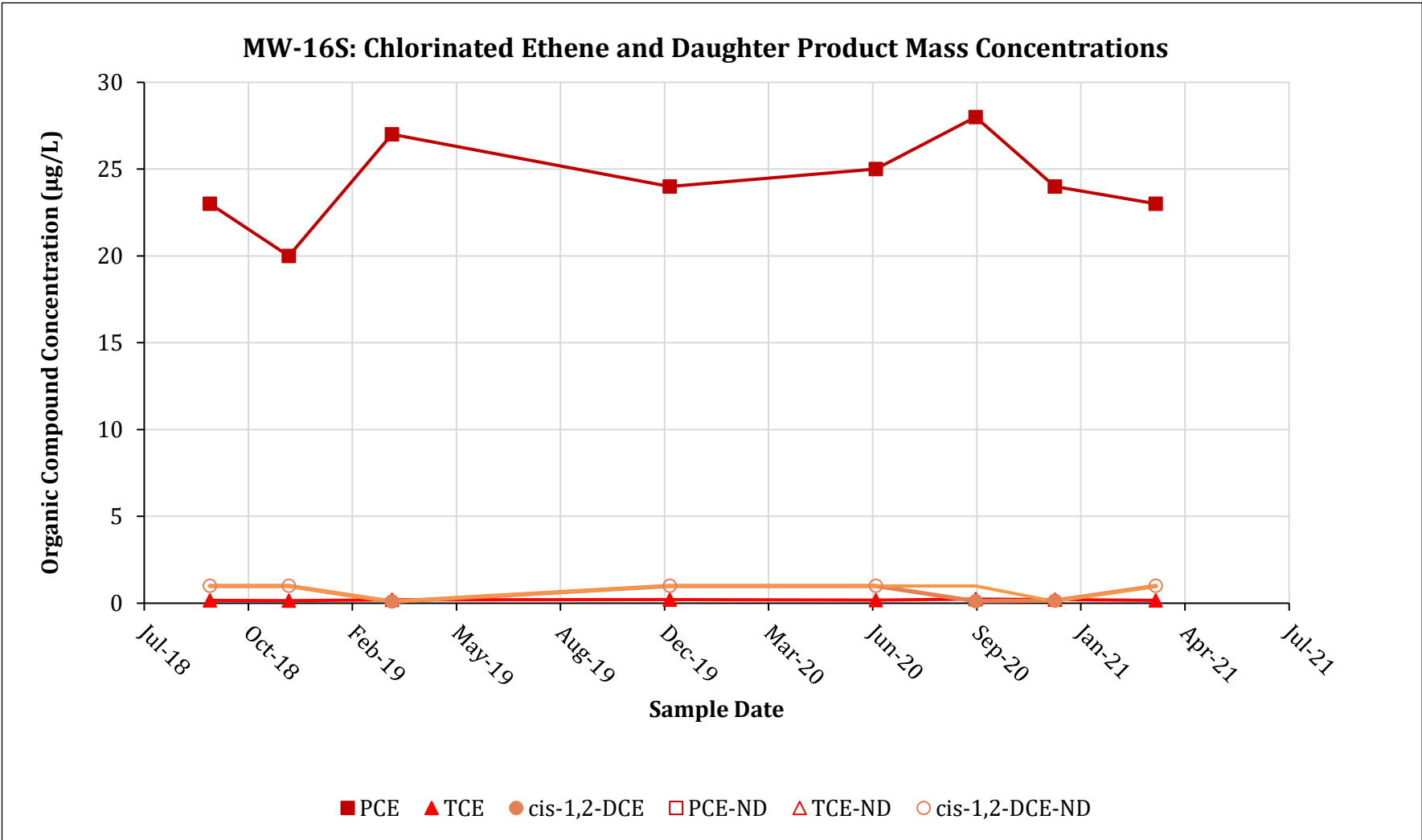
Appendix G
Contaminant Persistence Supporting Information
MW-15S Chart



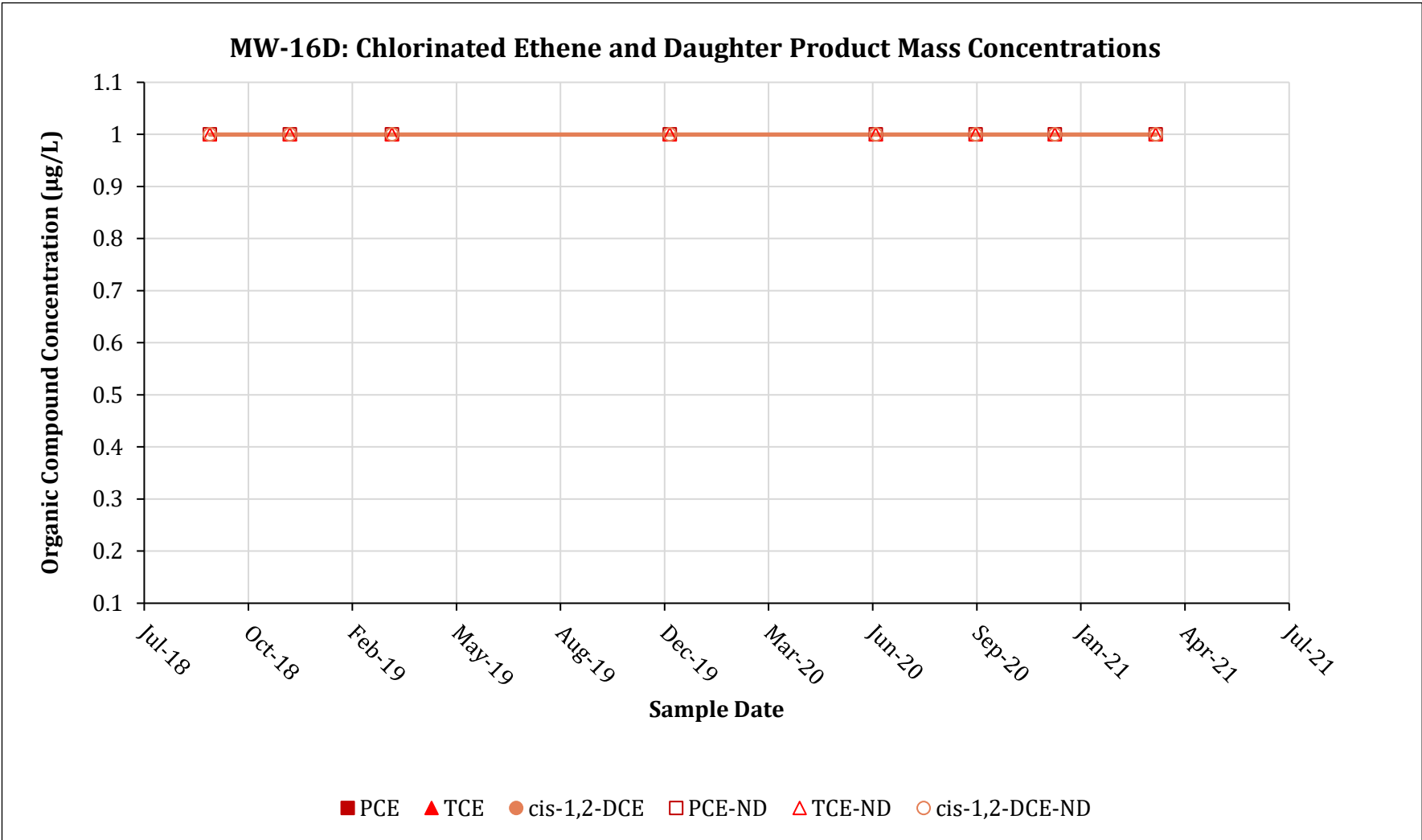
Appendix G
Contaminant Persistence Supporting Information
MW-15D Chart



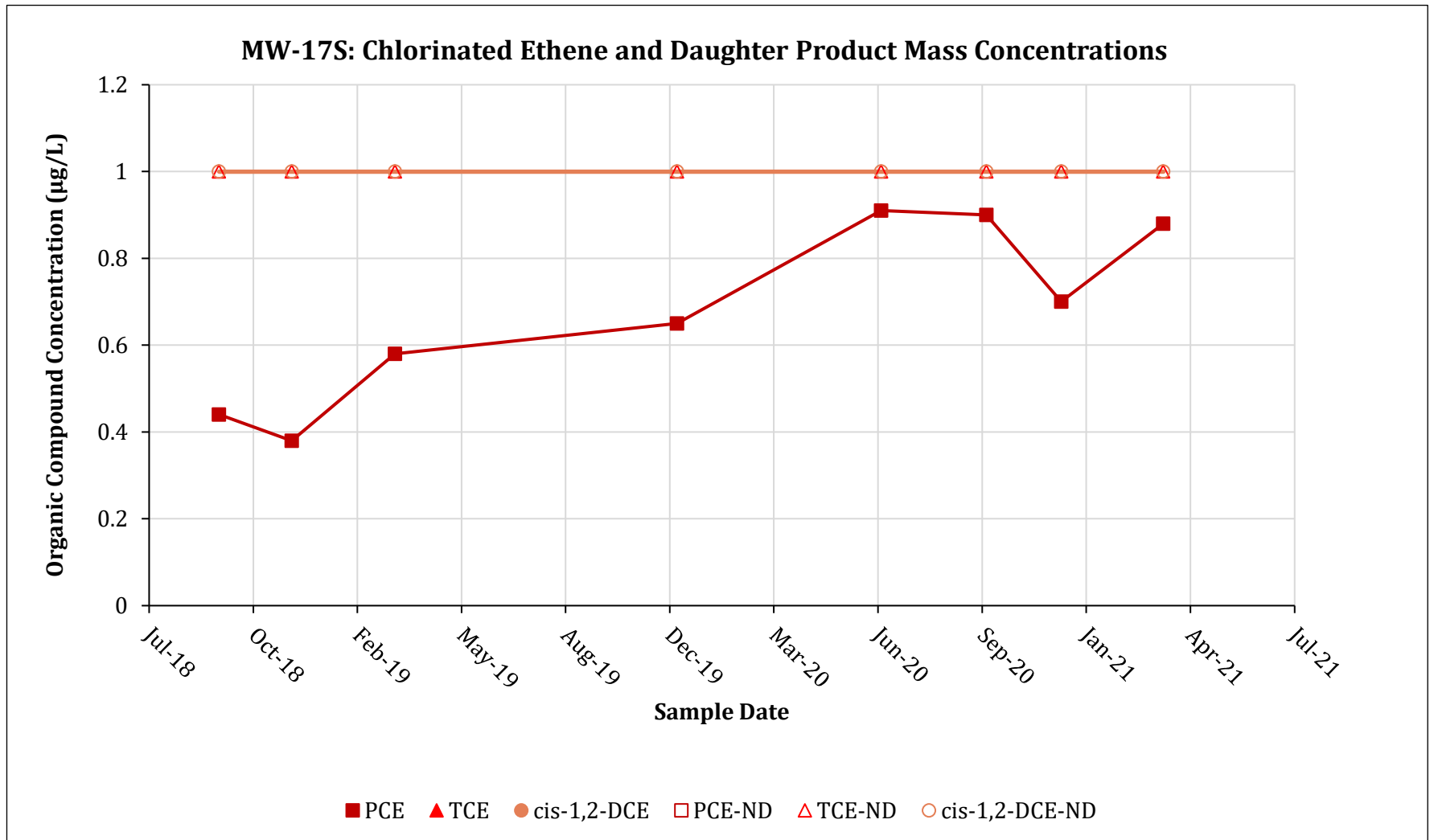
Appendix G
Contaminant Persistence Supporting Information
MW-16S Chart



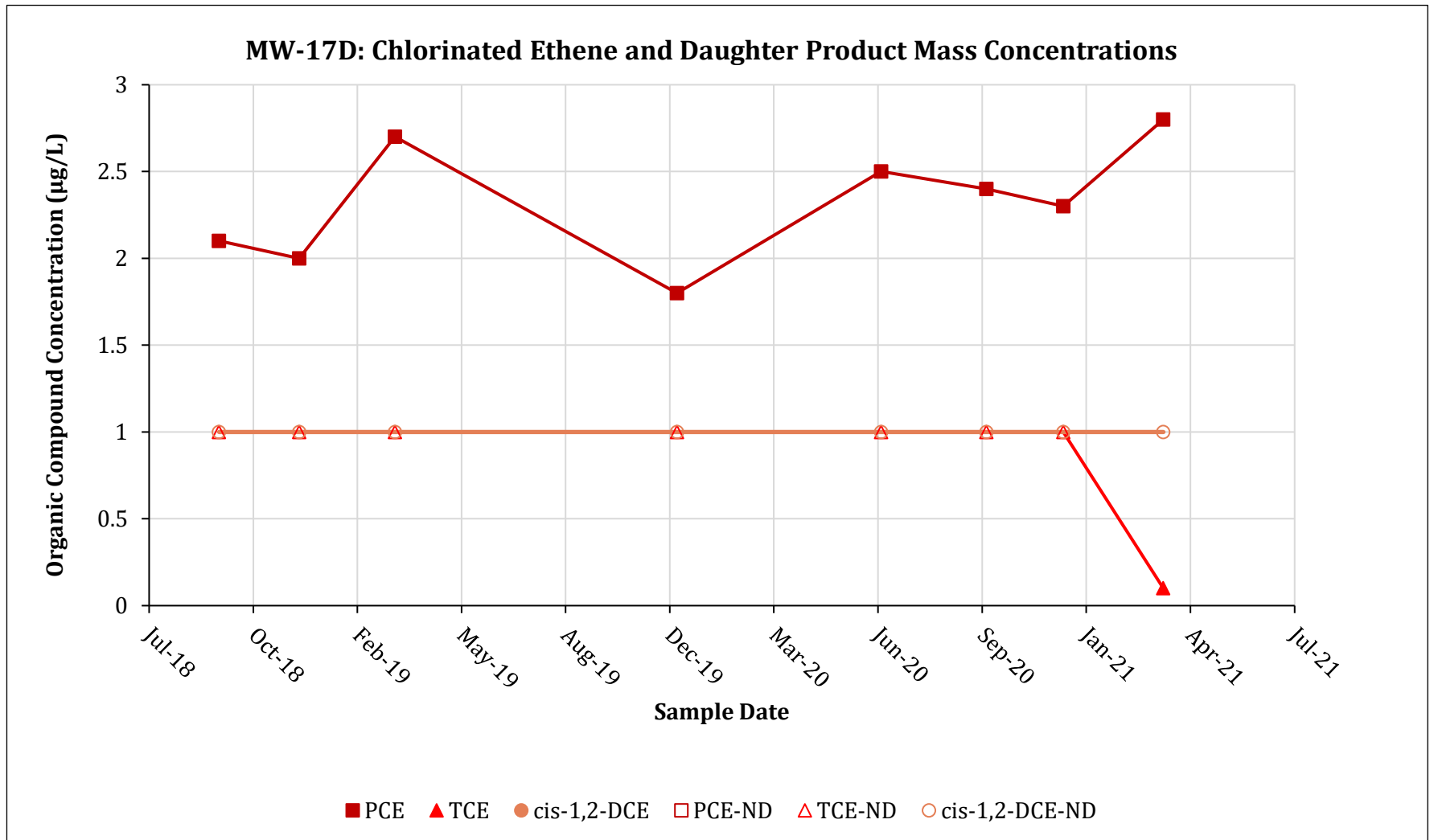
Appendix G
Contaminant Persistence Supporting Information
MW-16D Chart



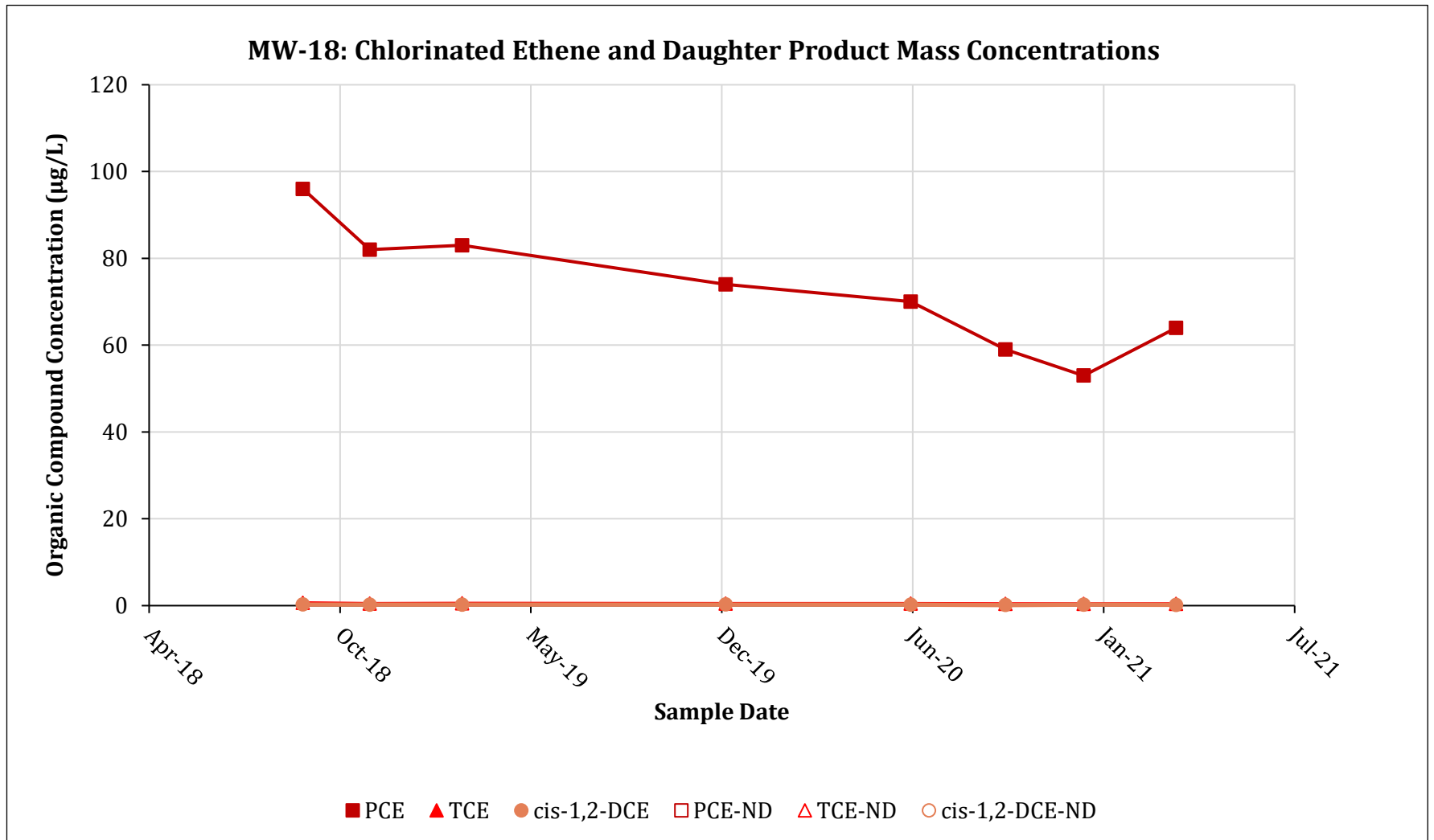
Appendix G
Contaminant Persistence Supporting Information
MW-17S Chart



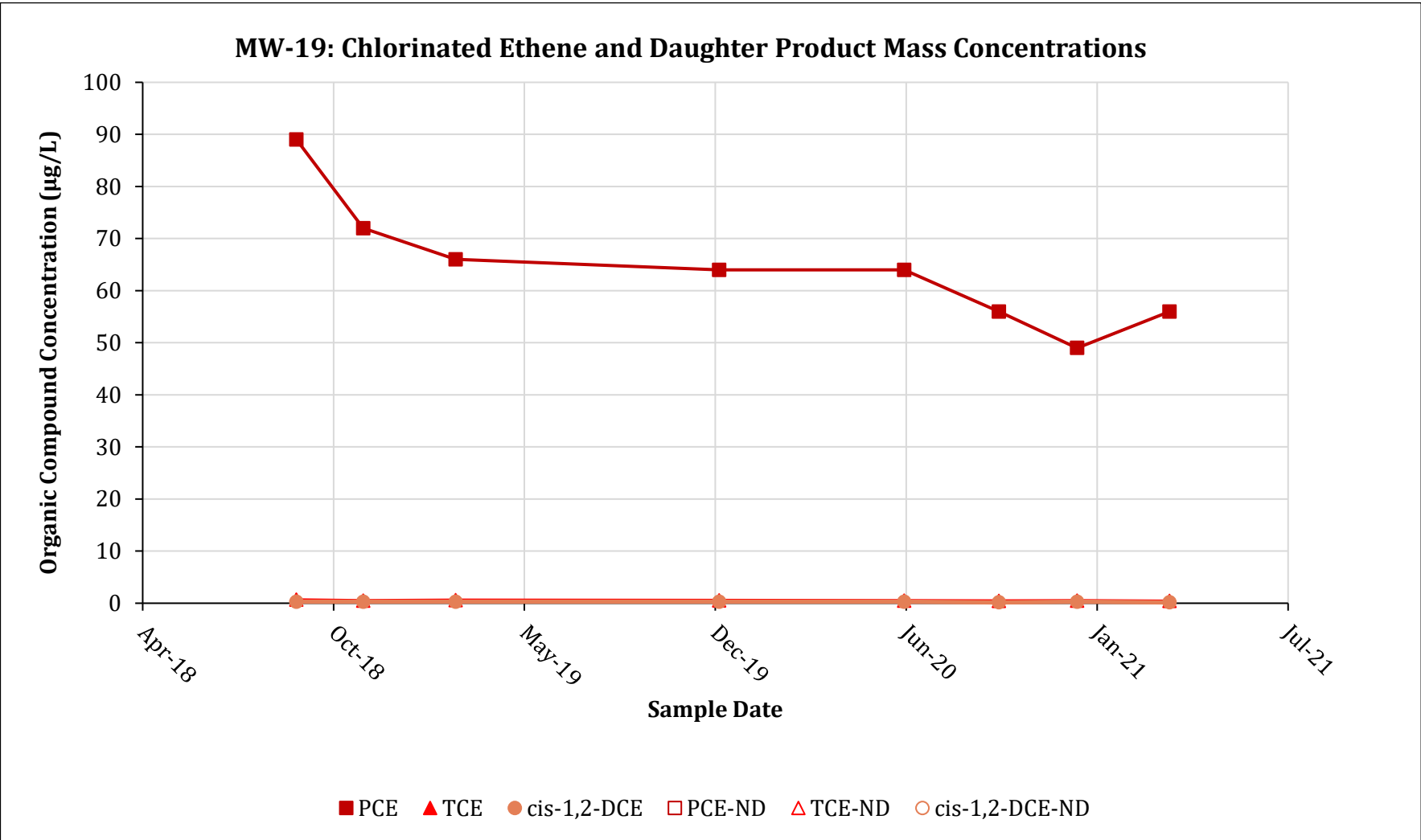
Appendix G
Contaminant Persistence Supporting Information
MW-17D Chart



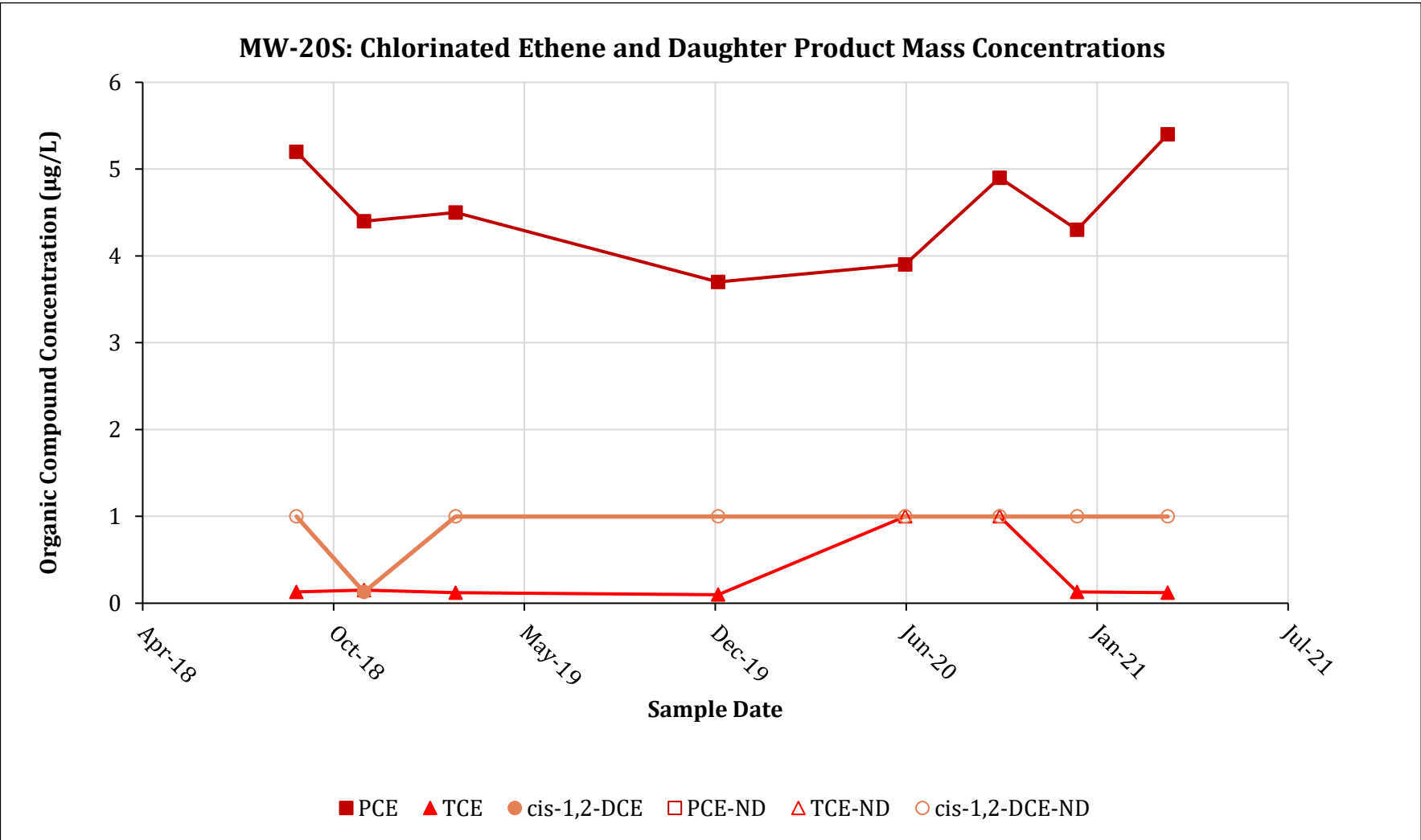
Appendix G
Contaminant Persistence Supporting Information
MW-18 Chart



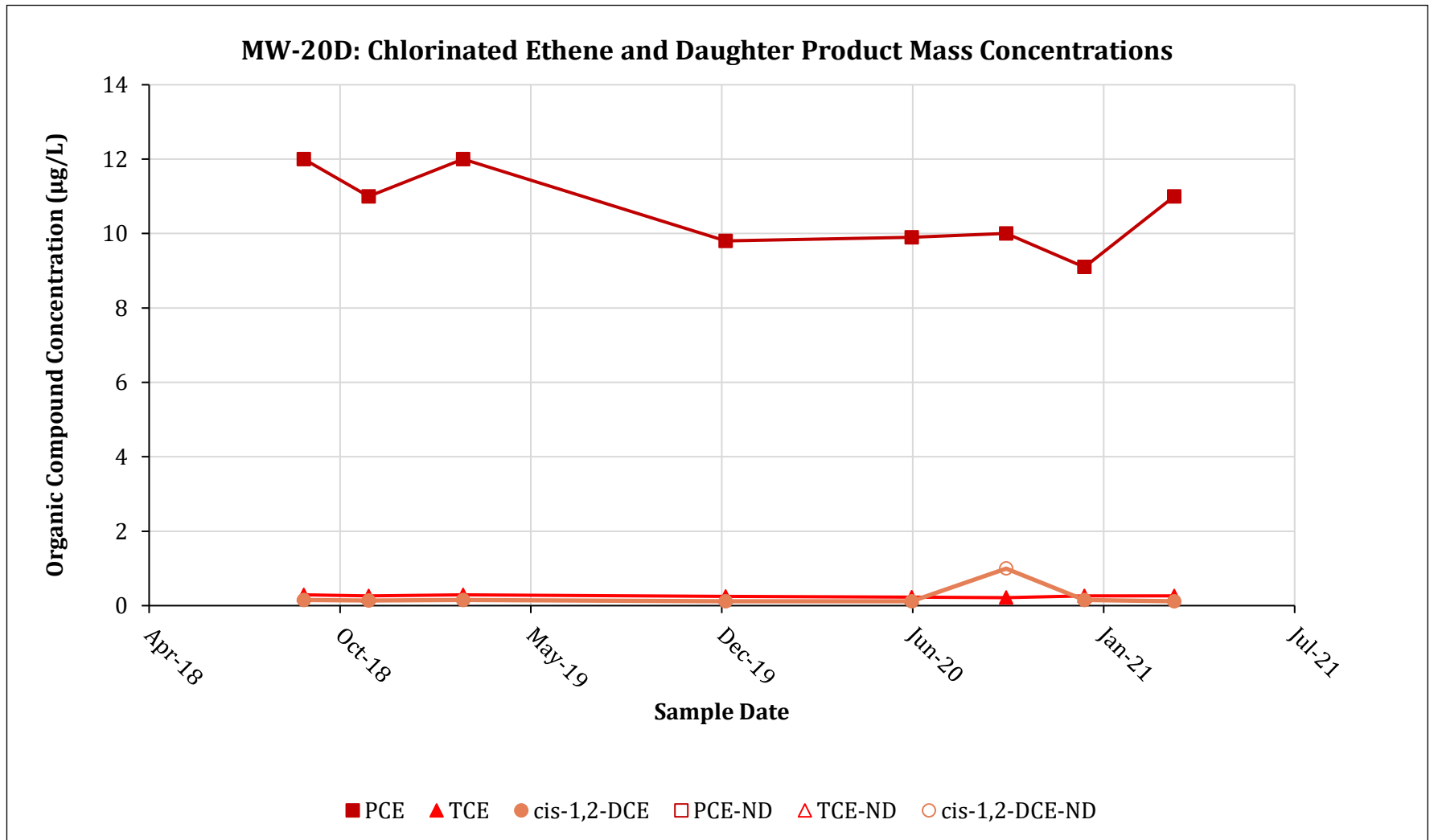
Appendix G
Contaminant Persistence Supporting Information
MW-19 Chart



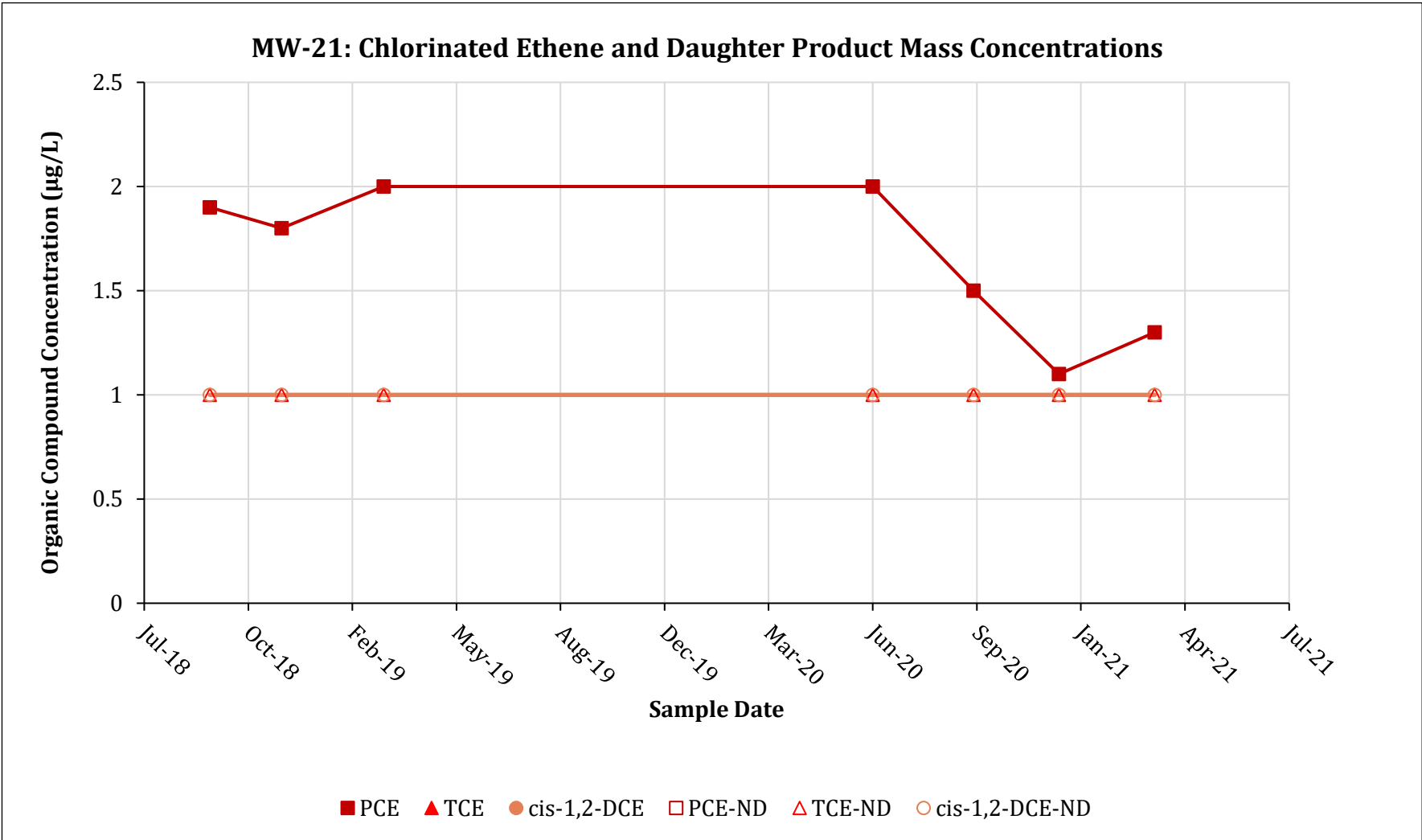
Appendix G
Contaminant Persistence Supporting Information
MW-20S Chart



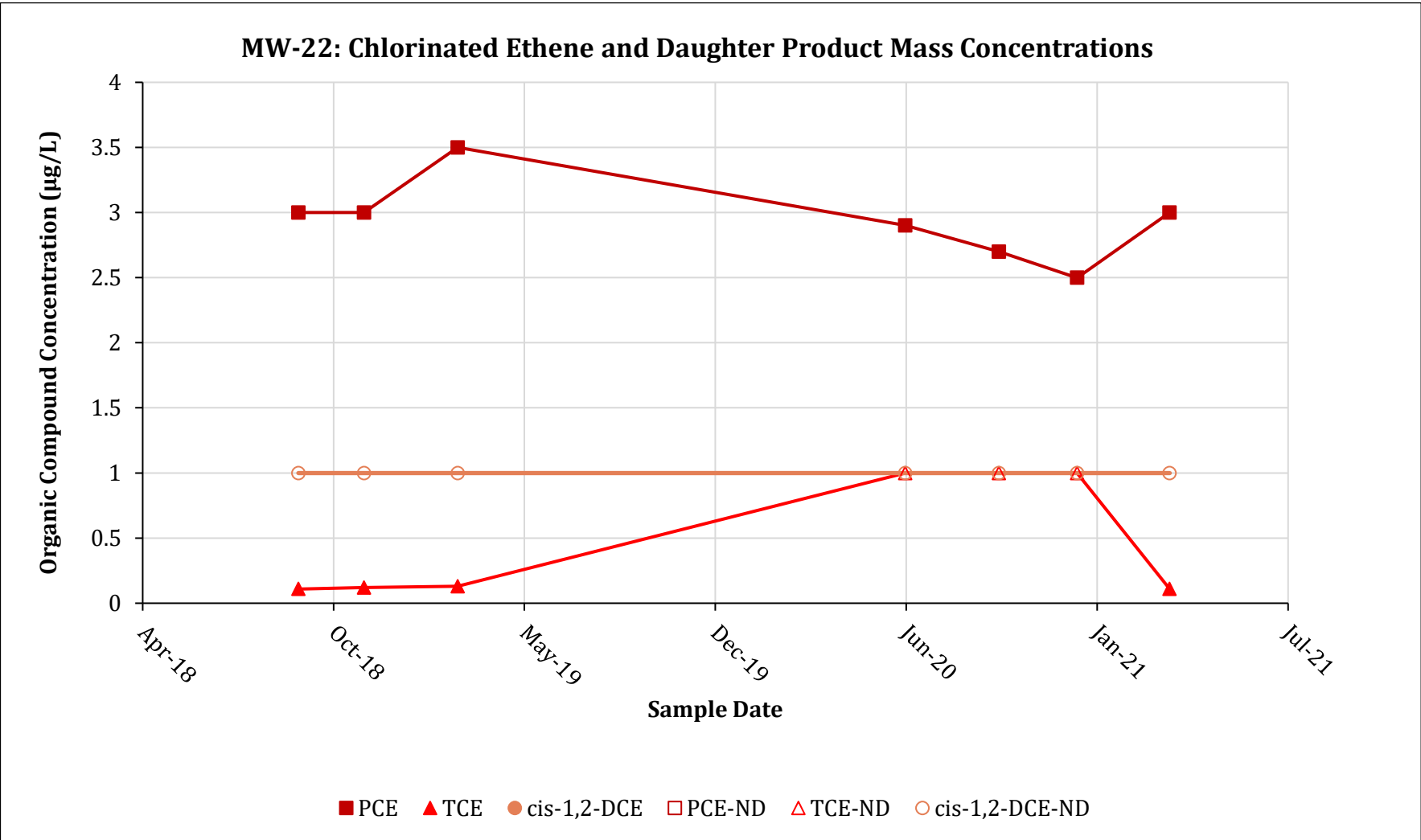
Appendix G
Contaminant Persistence Supporting Information
MW-20D Chart



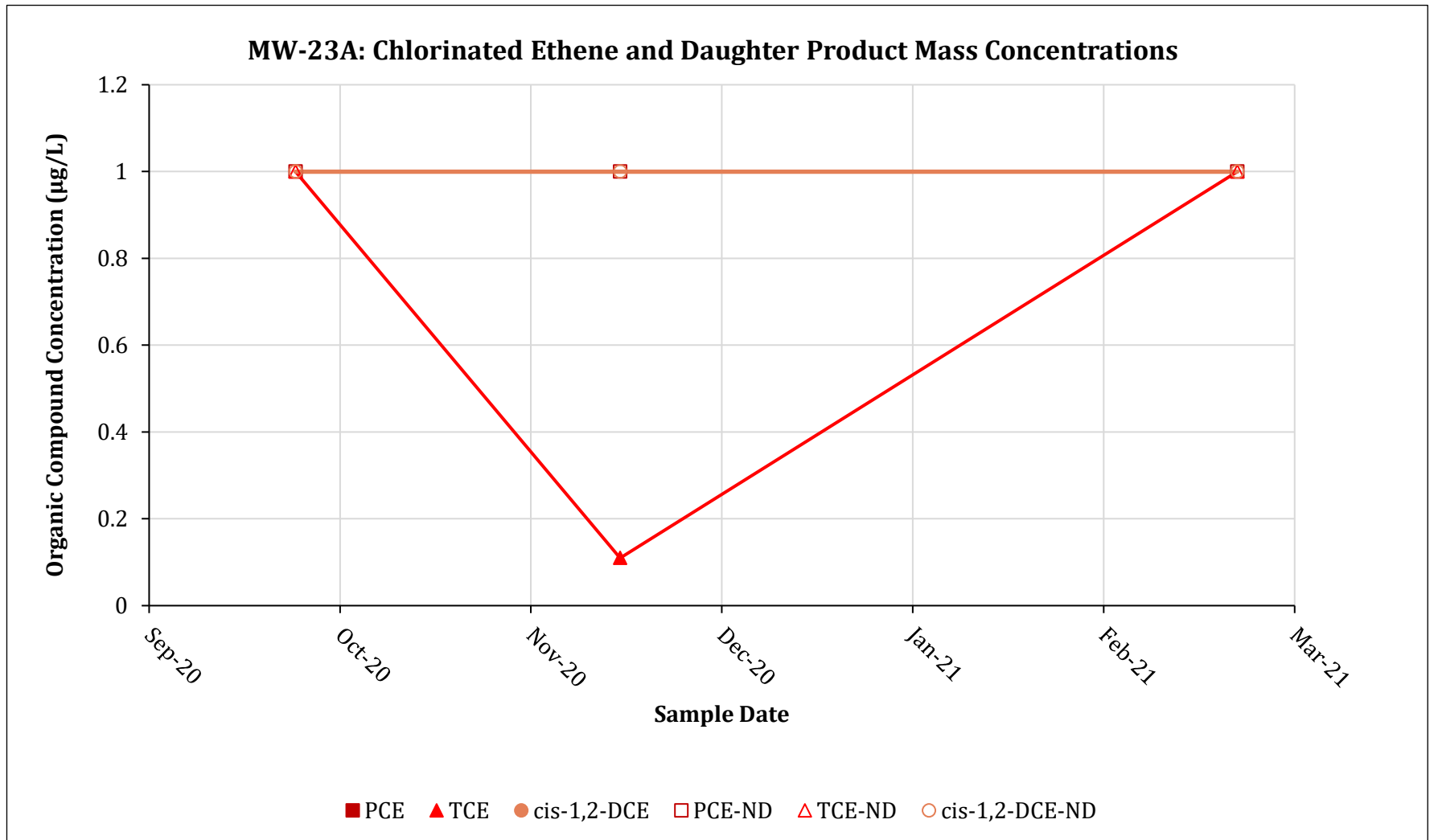
Appendix G
Contaminant Persistence Supporting Information
MW-21 Chart



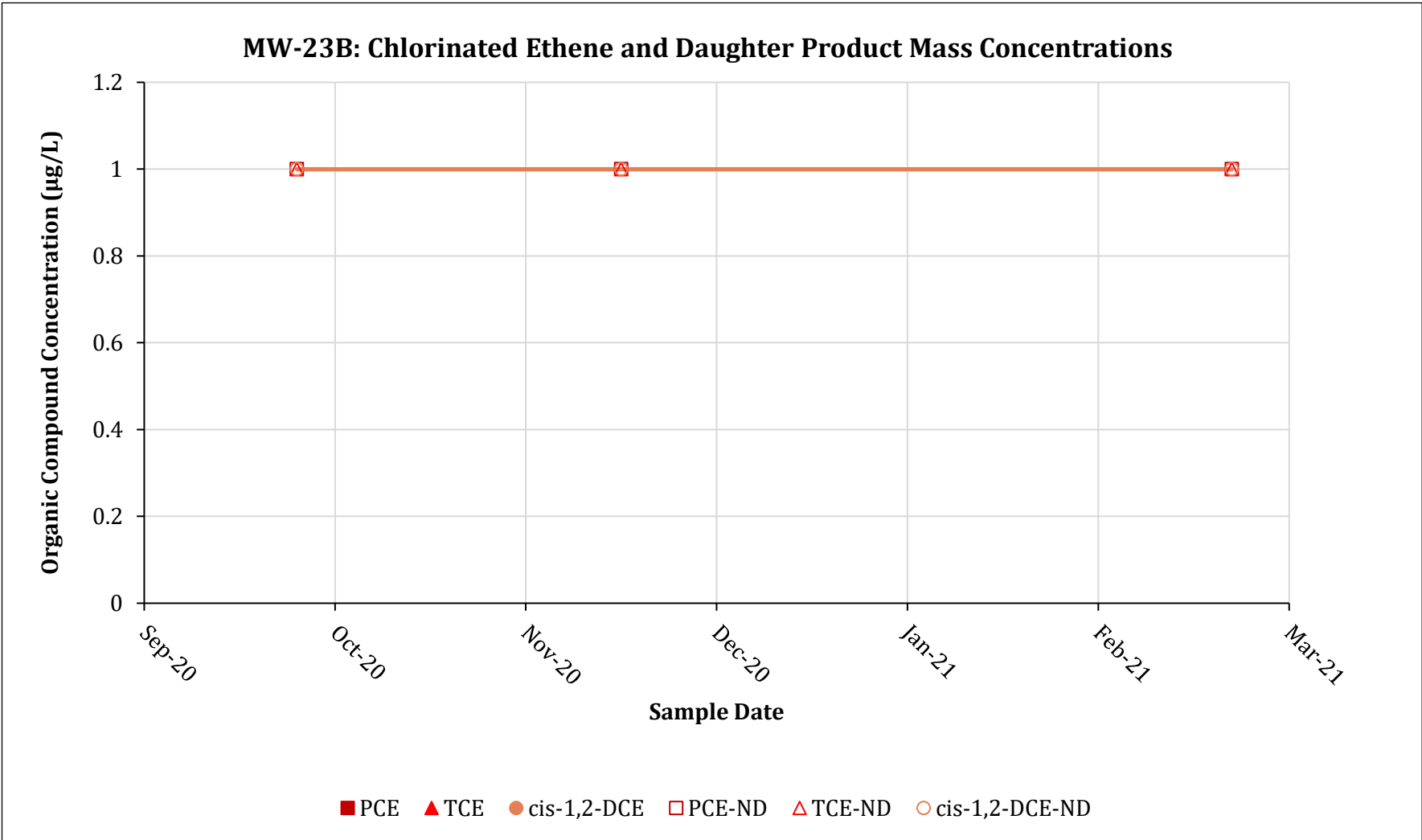
Appendix G
Contaminant Persistence Supporting Information
MW-22 Chart



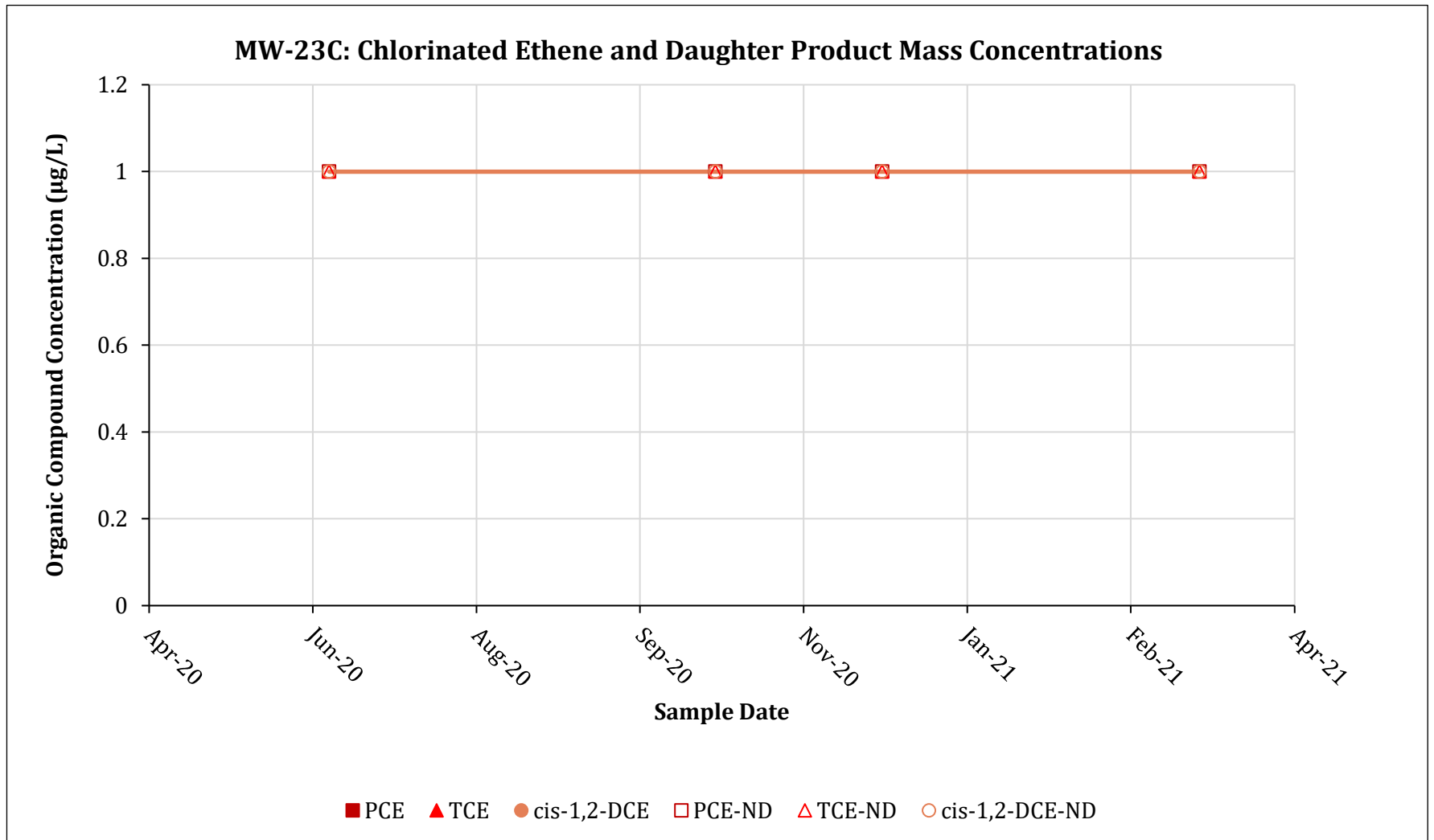
Appendix G
Contaminant Persistence Supporting Information
MW-23A Chart



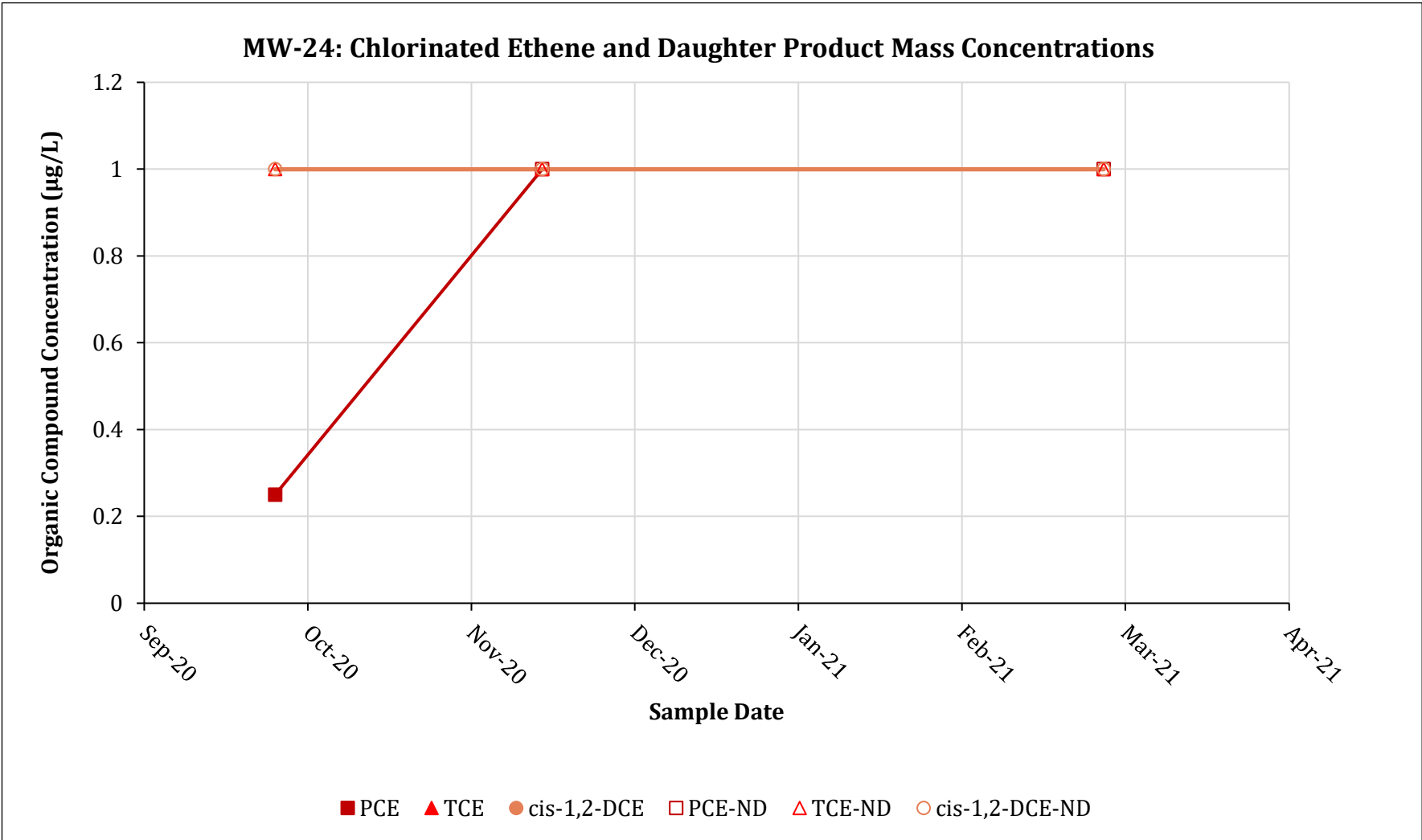
Appendix G
Contaminant Persistence Supporting Information
MW-23B Chart



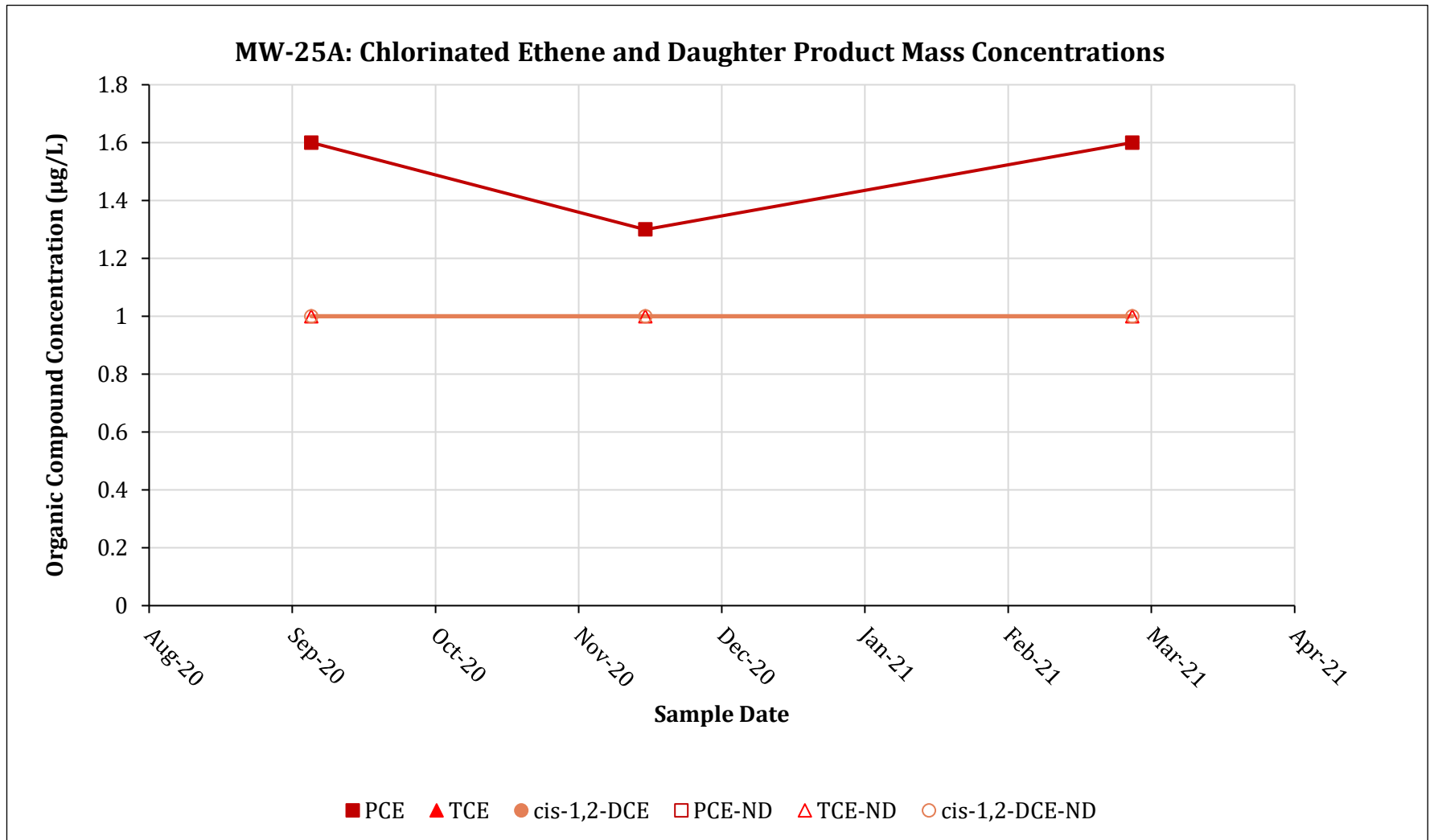
Appendix G
Contaminant Persistence Supporting Information
MW-23C Chart



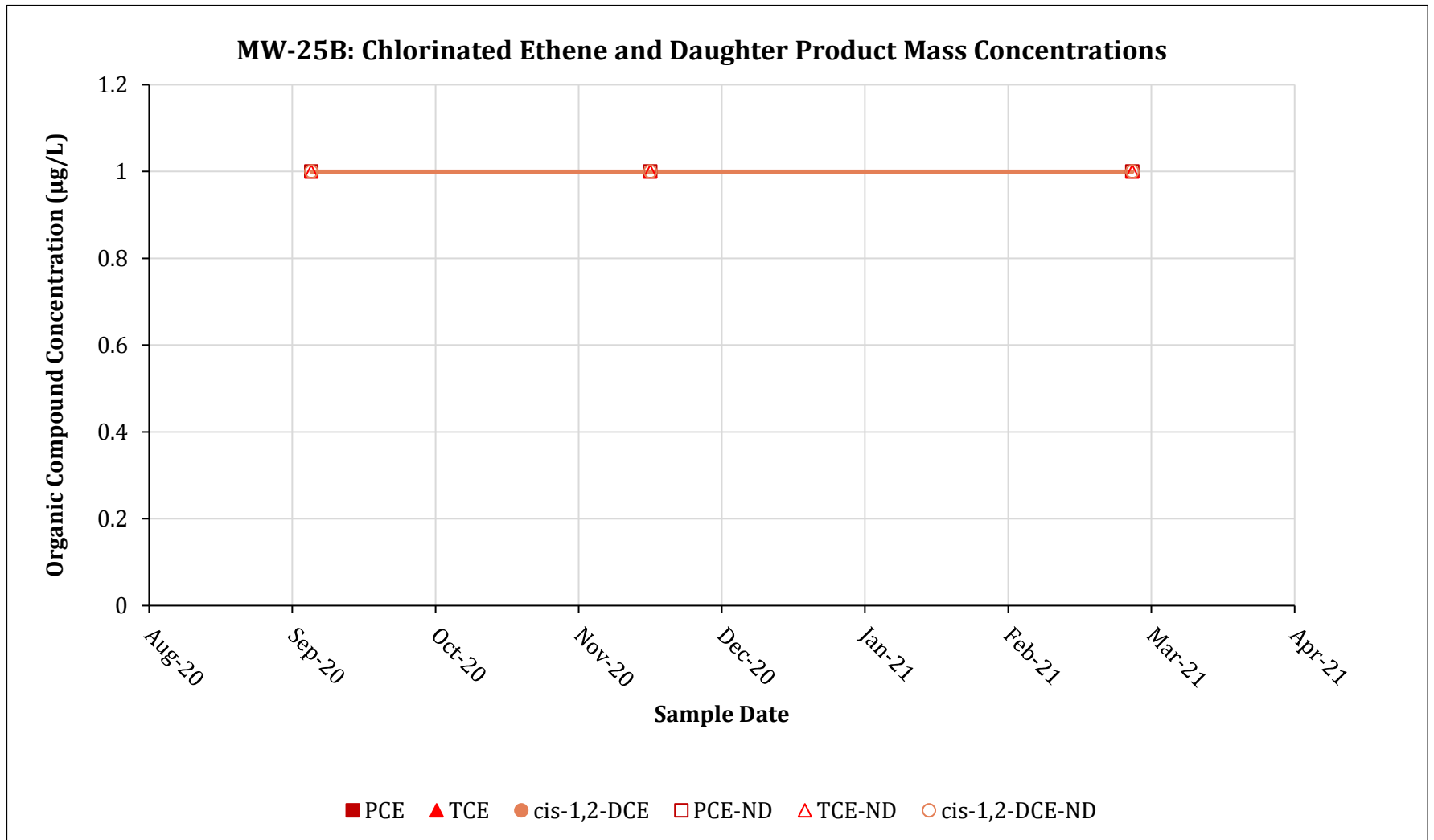
Appendix G
Contaminant Persistence Supporting Information
MW-24 Chart



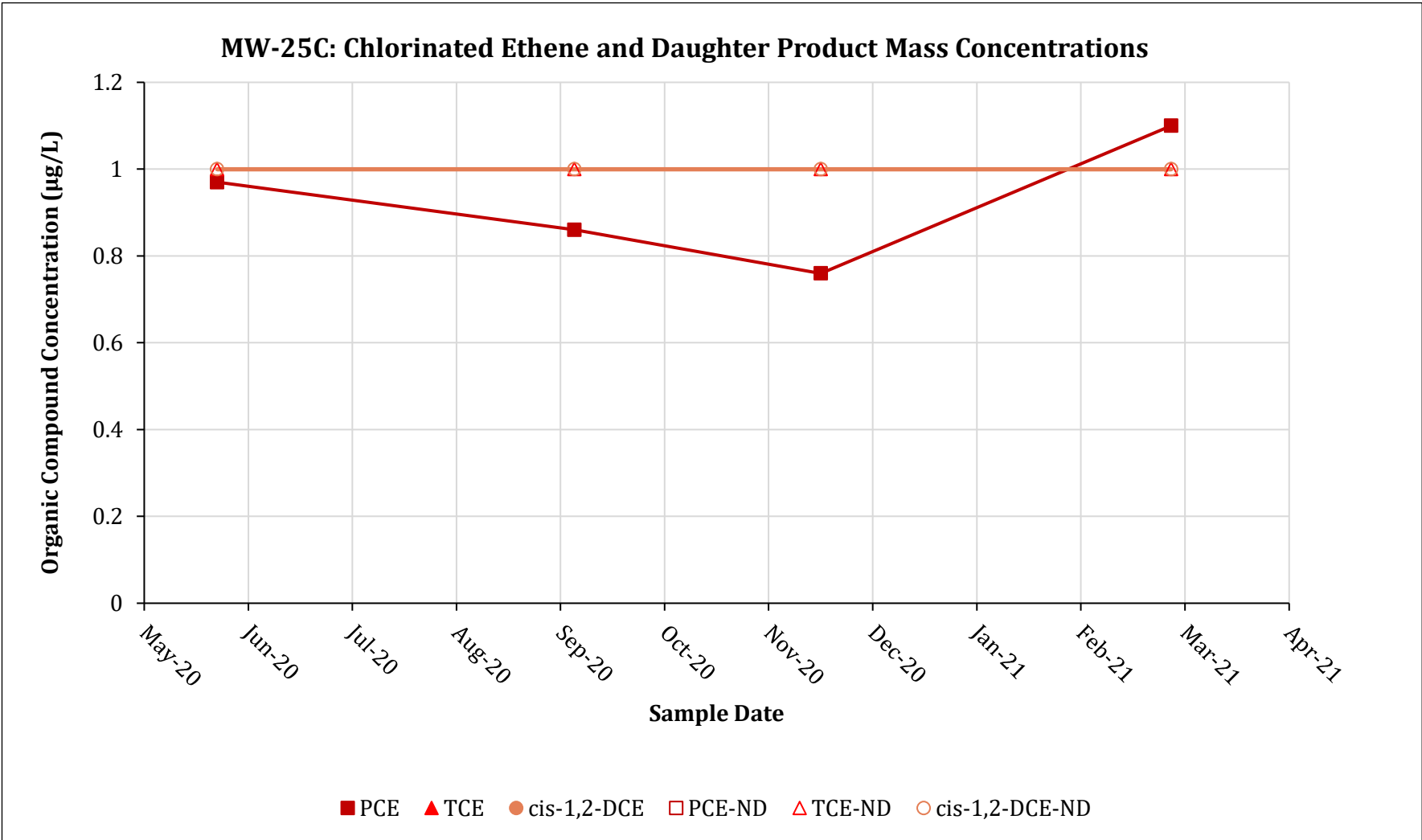
Appendix G
Contaminant Persistence Supporting Information
MW-25A Chart



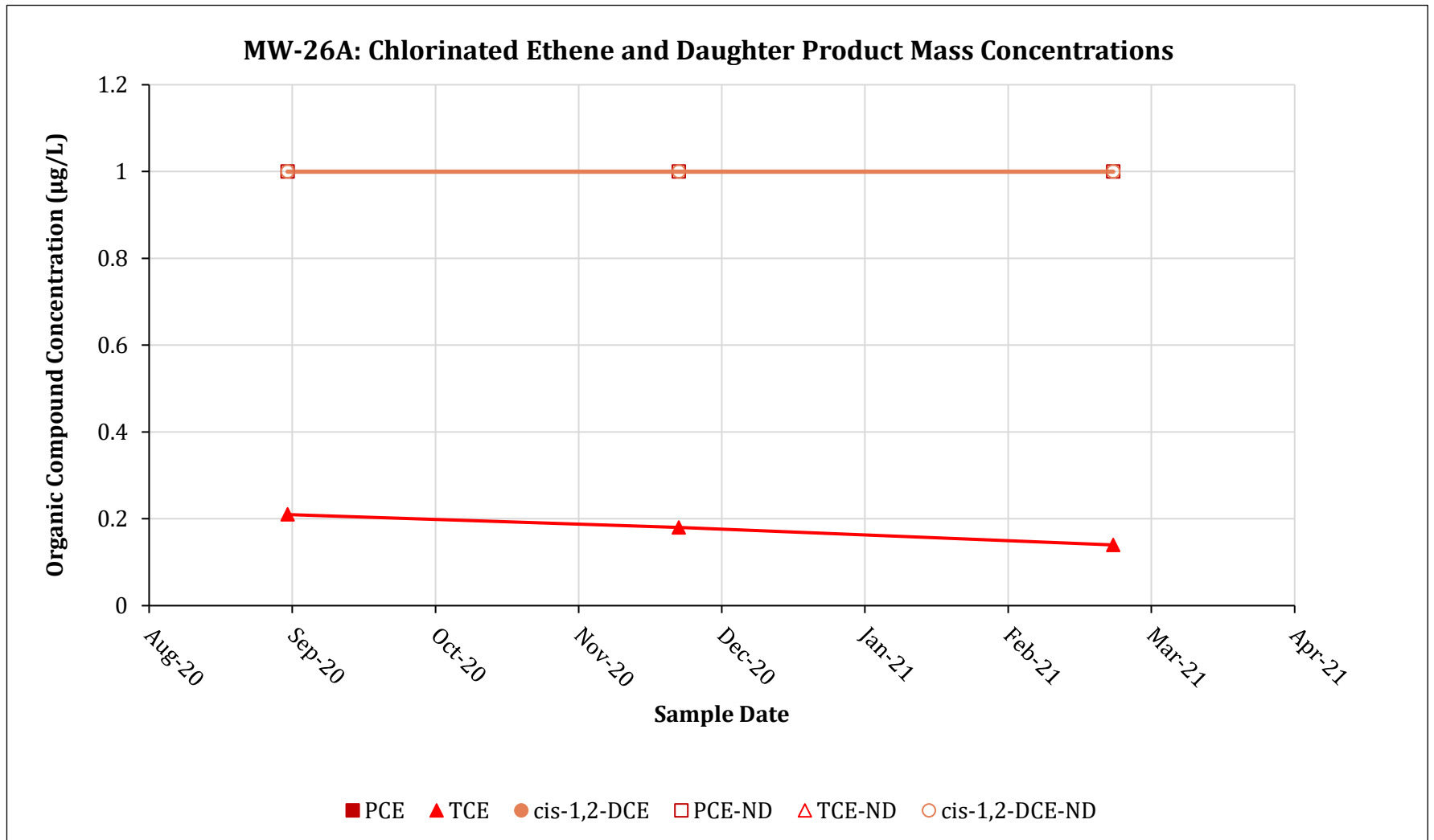
Appendix G
Contaminant Persistence Supporting Information
MW-25B Chart



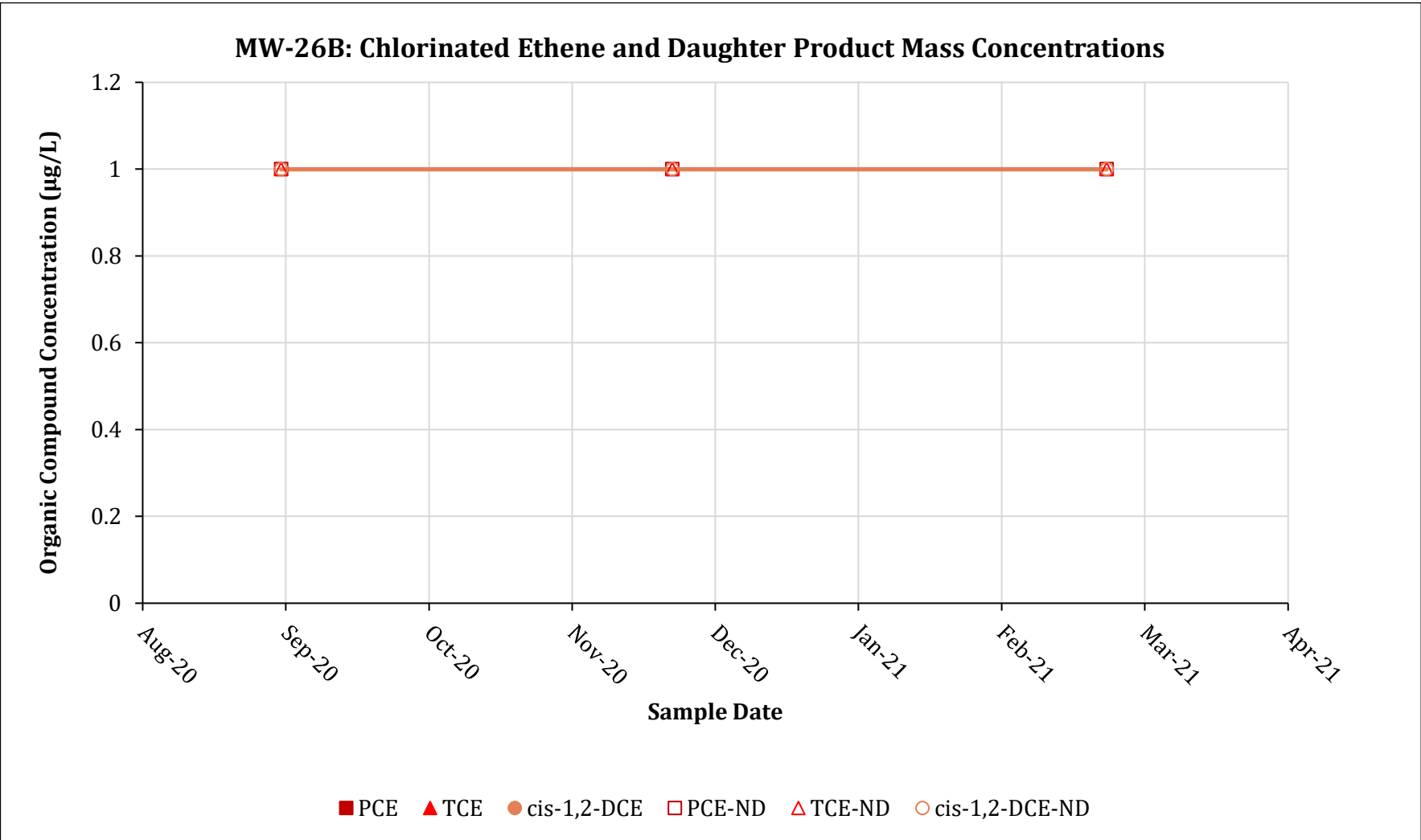
Appendix G
Contaminant Persistence Supporting Information
MW-25C Chart



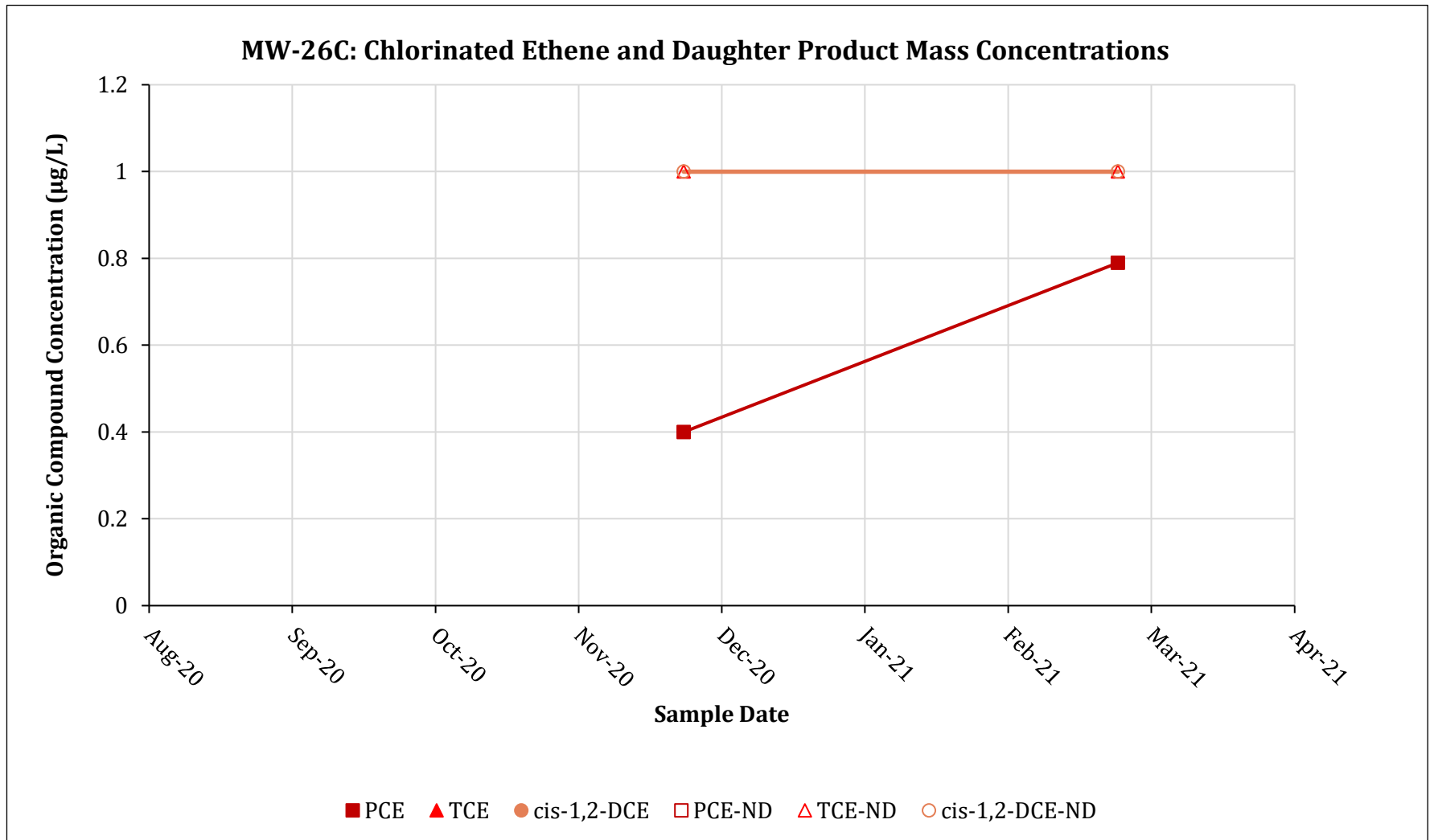
Appendix G
Contaminant Persistence Supporting Information
MW-26A Chart



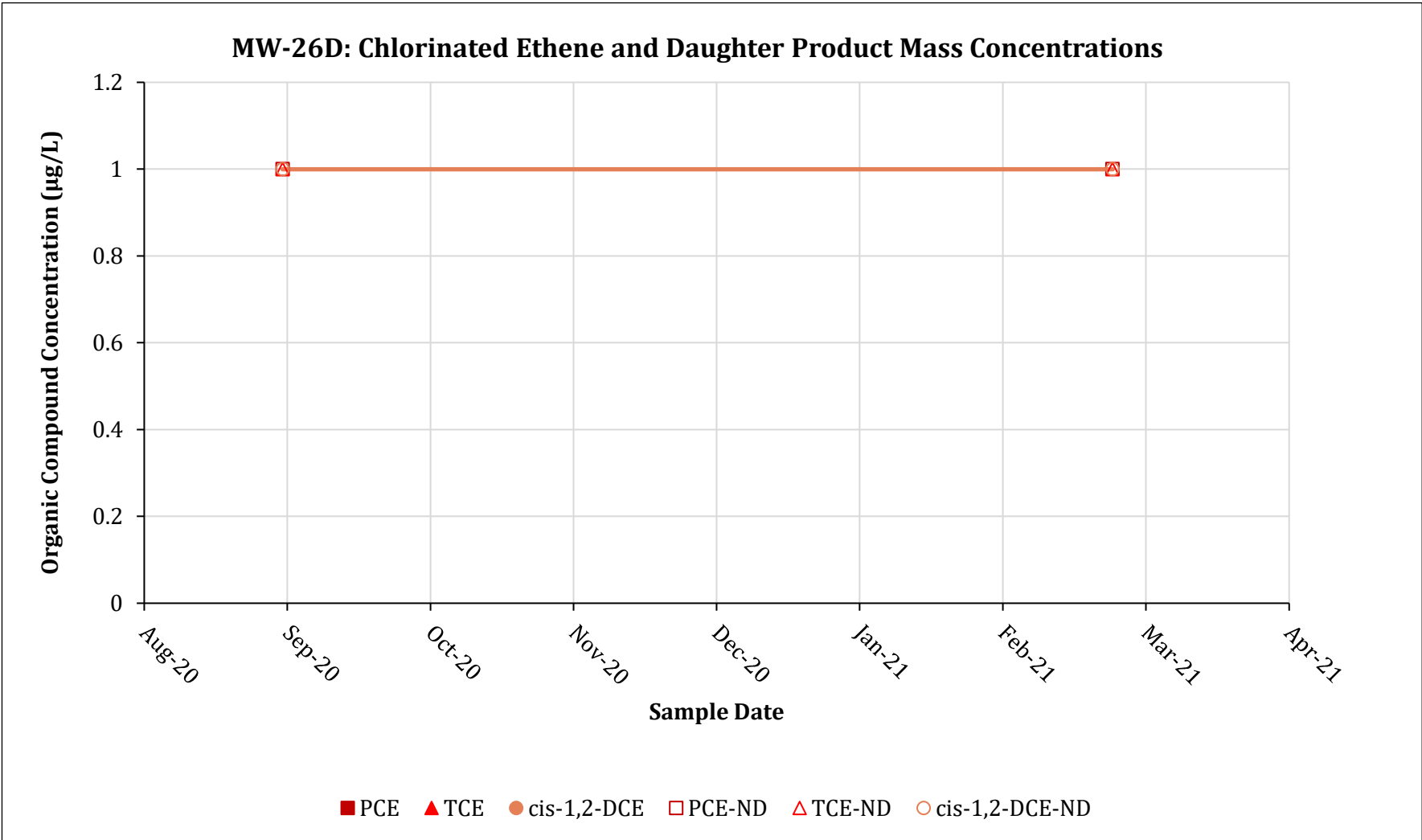
Appendix G
Contaminant Persistence Supporting Information
MW-26B Chart



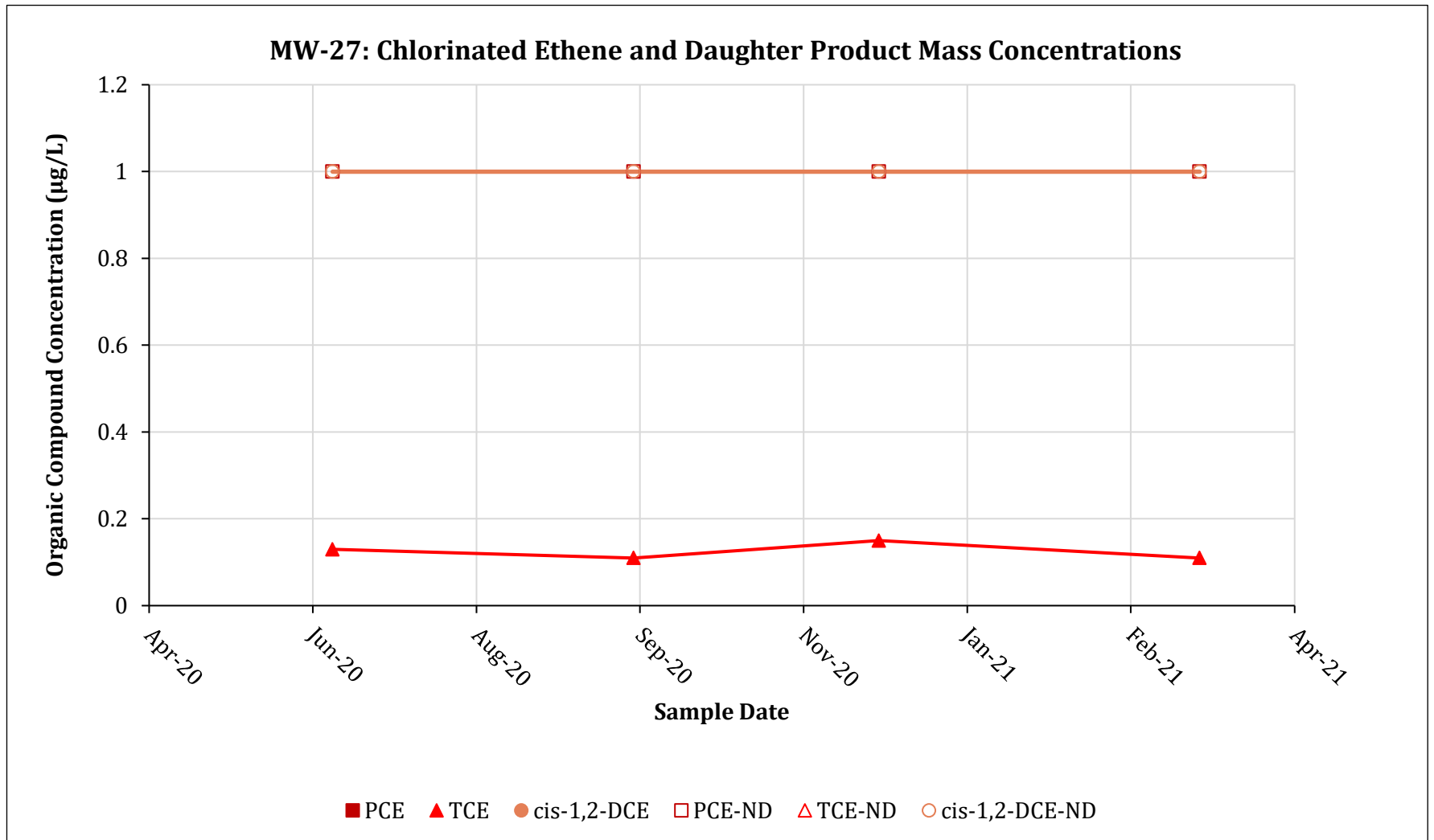
Appendix G
Contaminant Persistence Supporting Information
MW-26C Chart



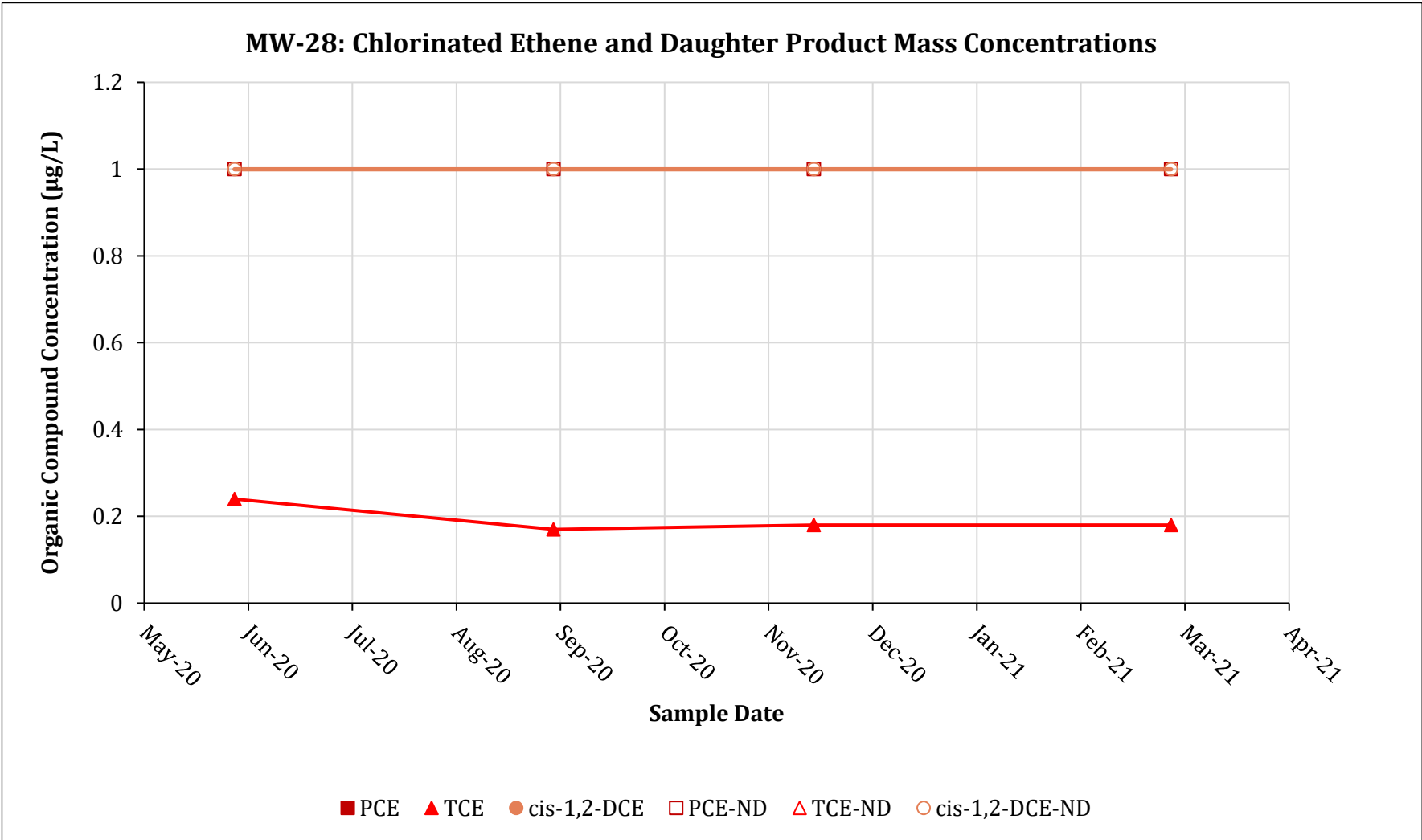
Appendix G
Contaminant Persistence Supporting Information
MW-26D Chart



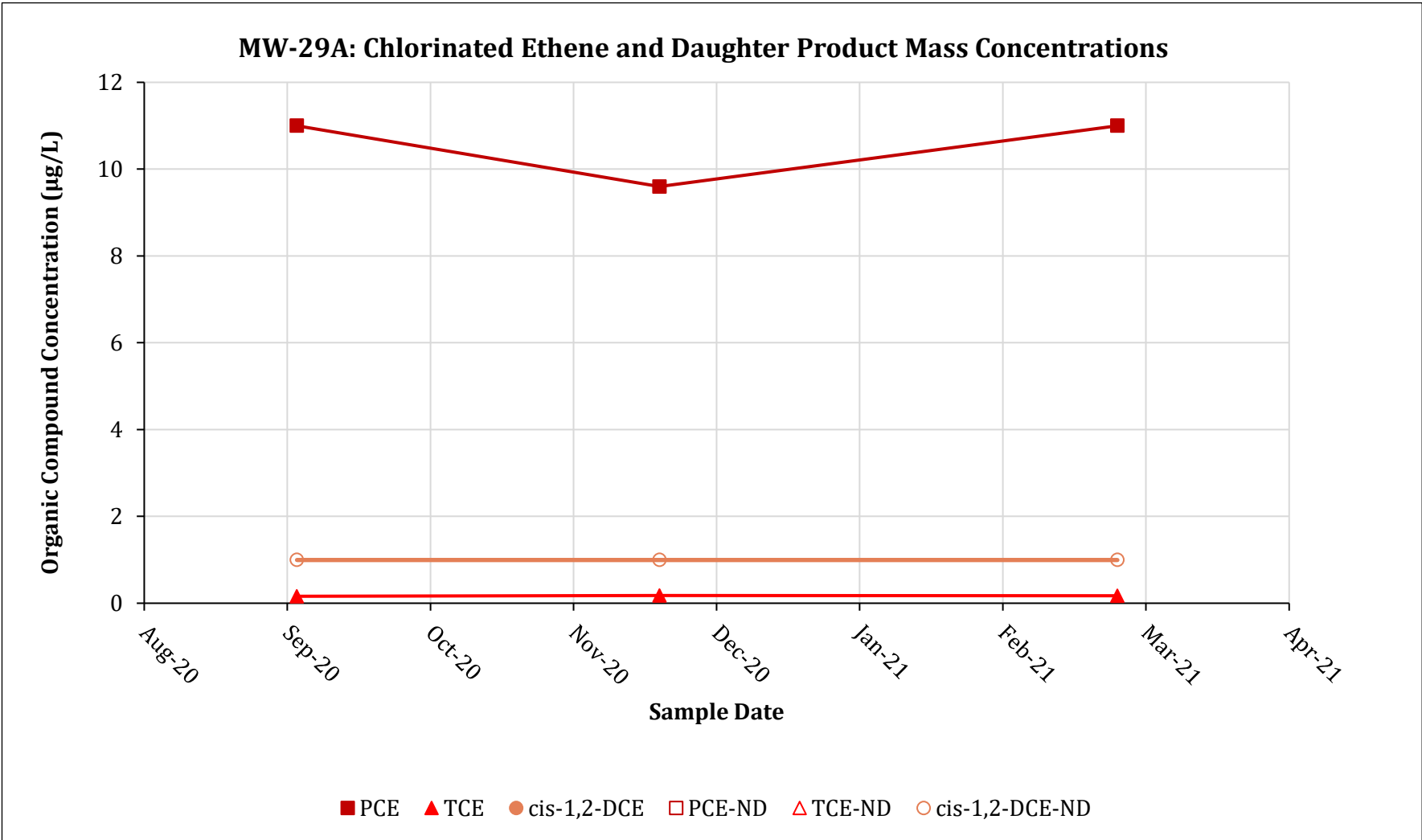
Appendix G
Contaminant Persistence Supporting Information
MW-27 Chart



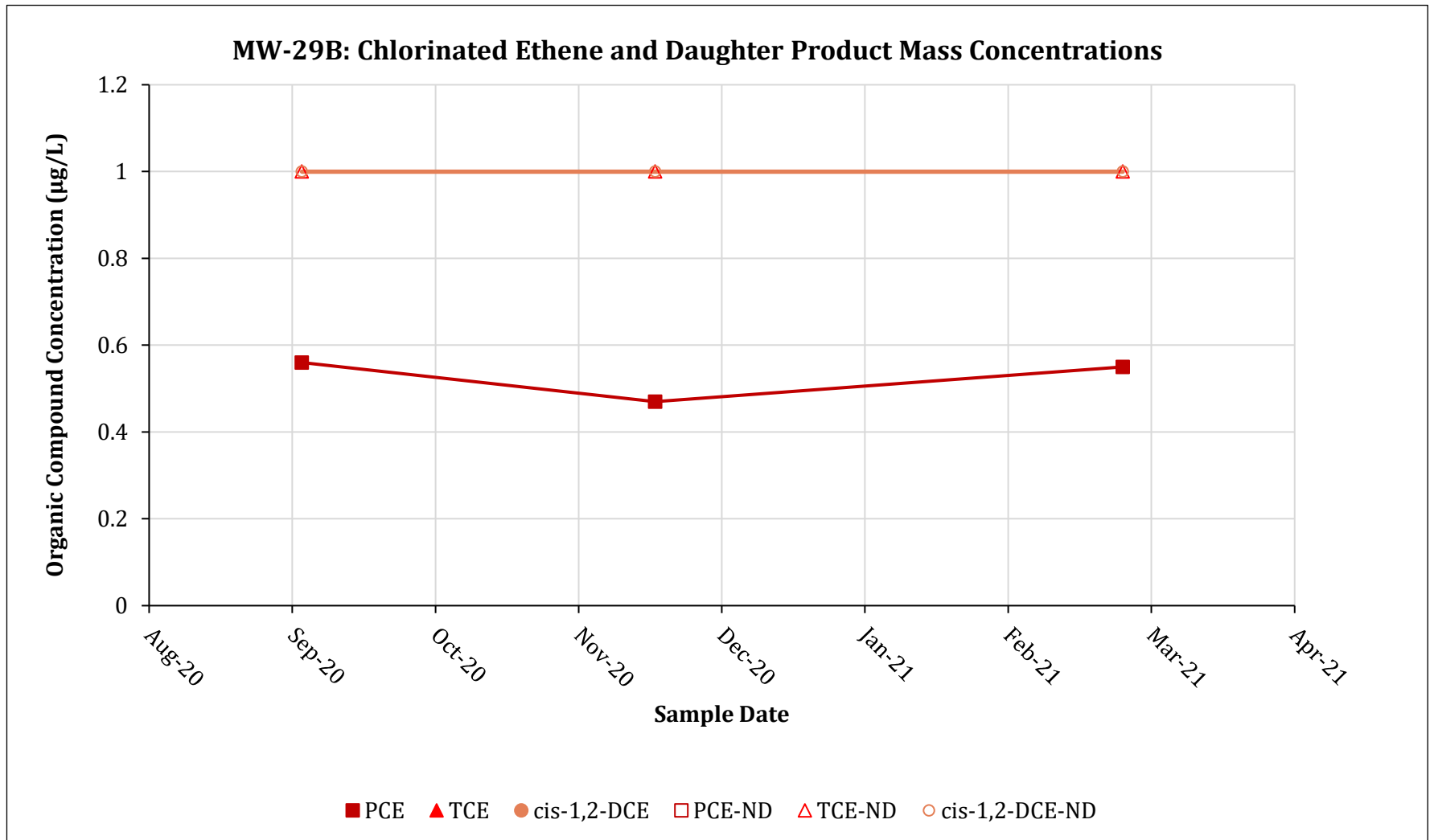
Appendix G
Contaminant Persistence Supporting Information
MW-28 Chart



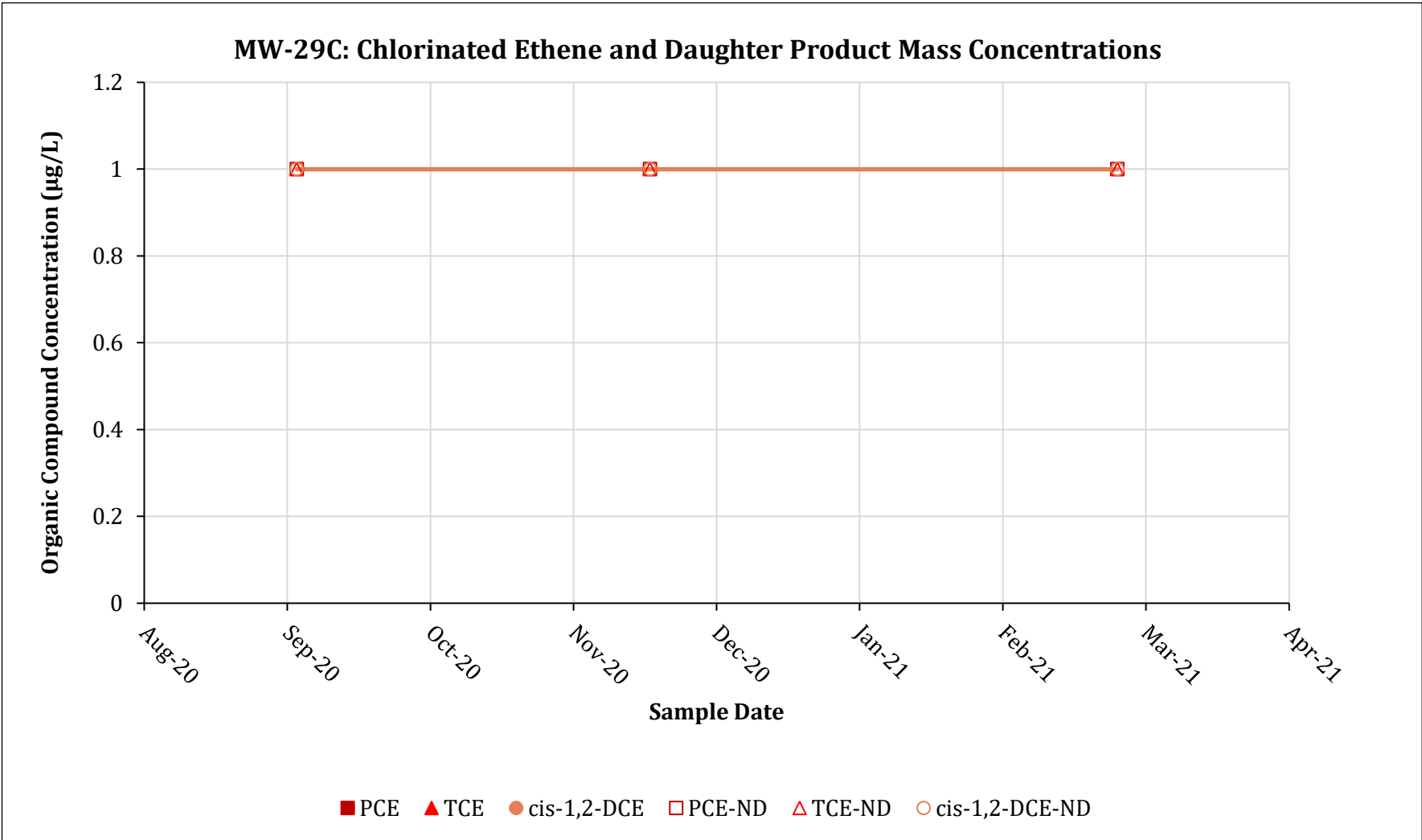
Appendix G
Contaminant Persistence Supporting Information
MW-29A Chart



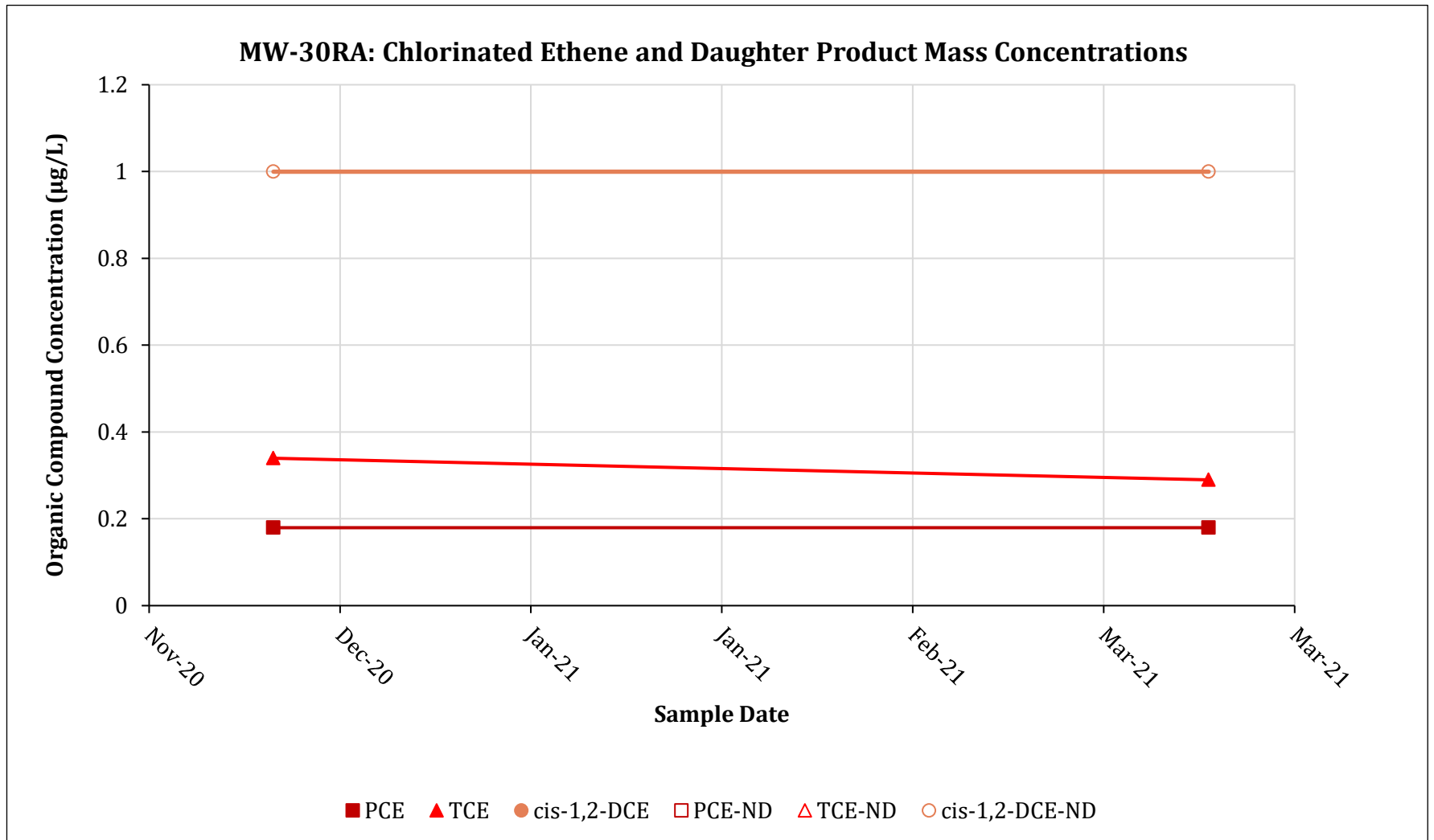
Appendix G
Contaminant Persistence Supporting Information
MW-29B Chart



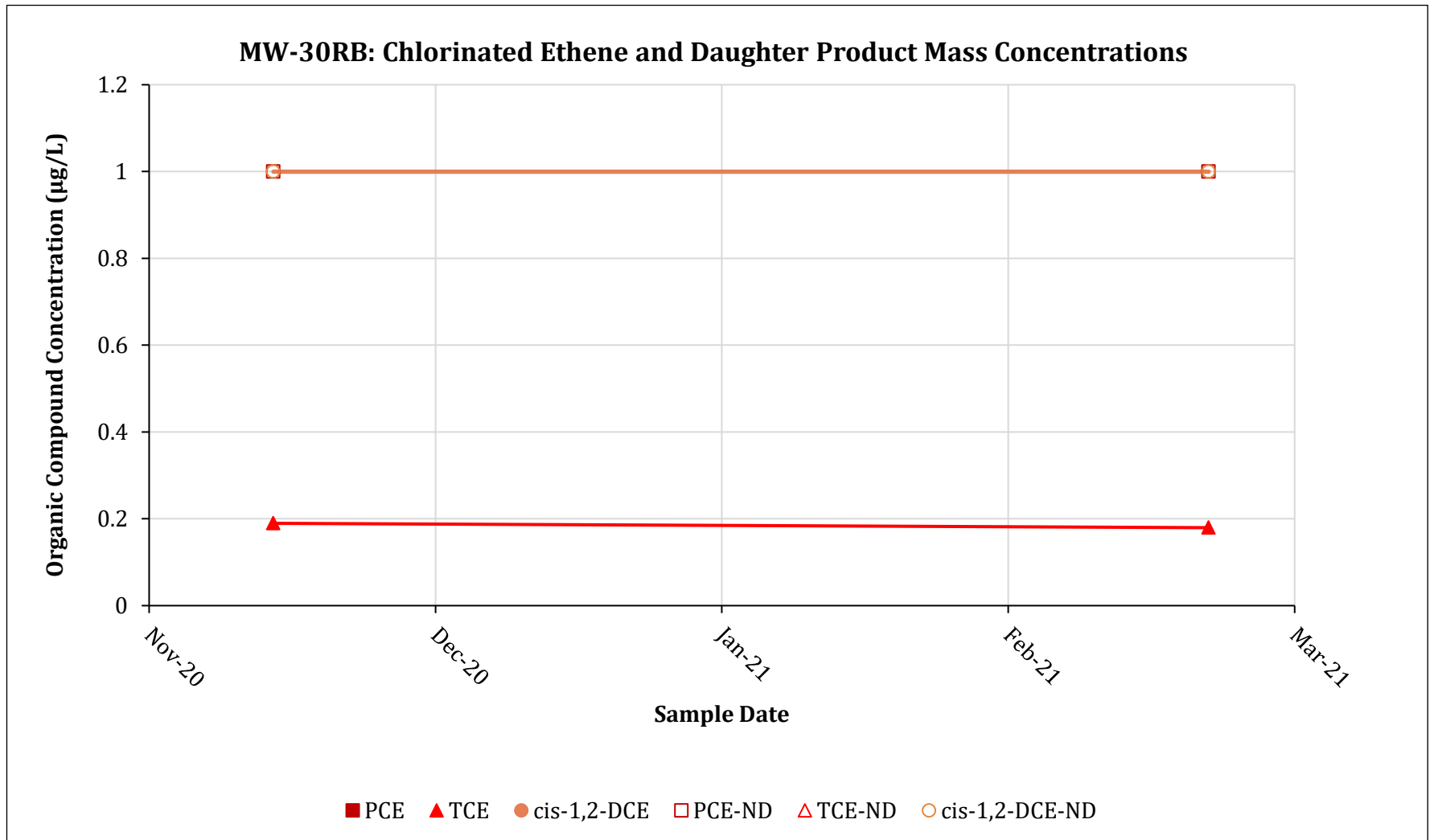
Appendix G
Contaminant Persistence Supporting Information
MW-29C Chart



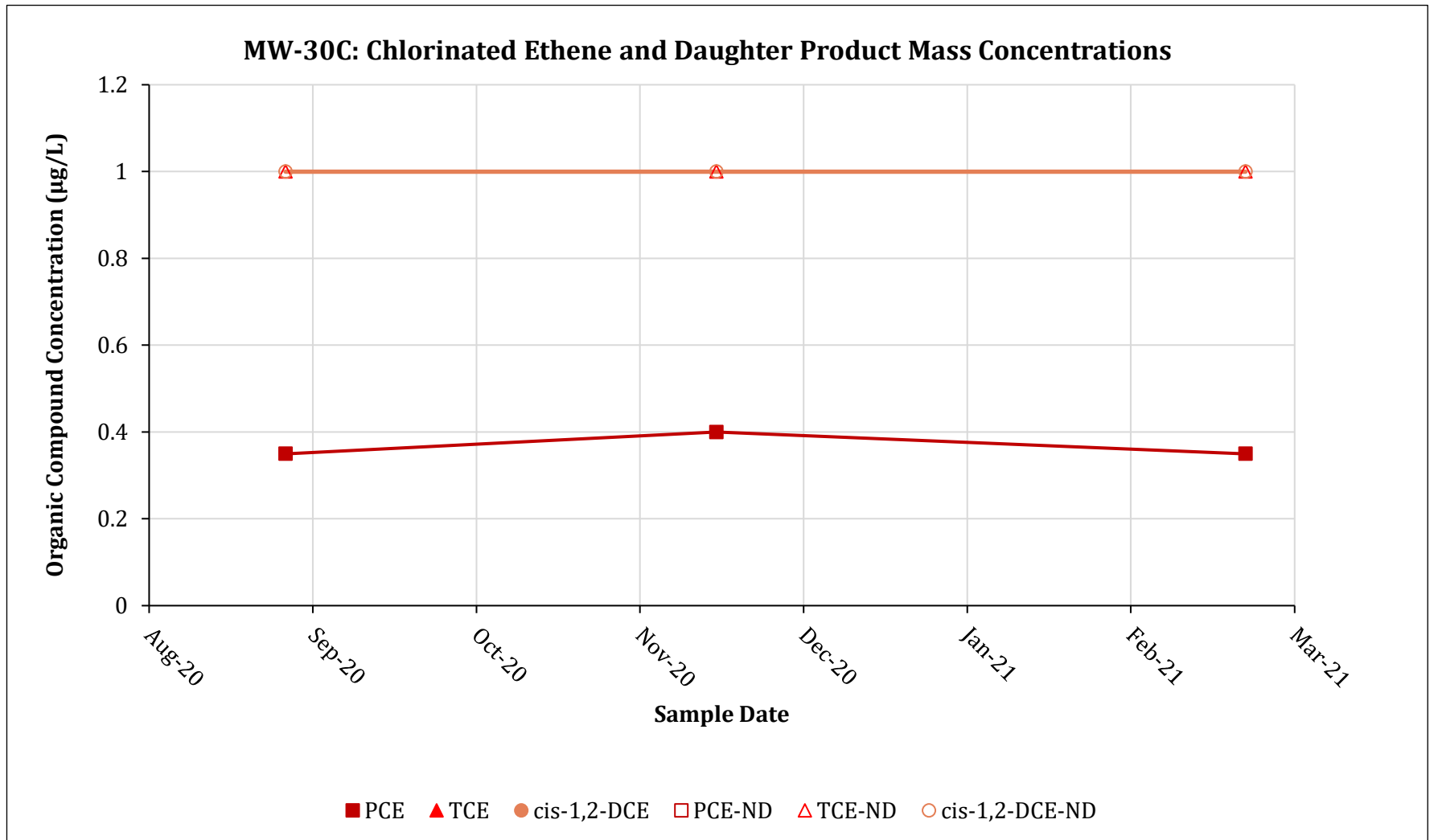
Appendix G
Contaminant Persistence Supporting Information
MW-30RA Chart



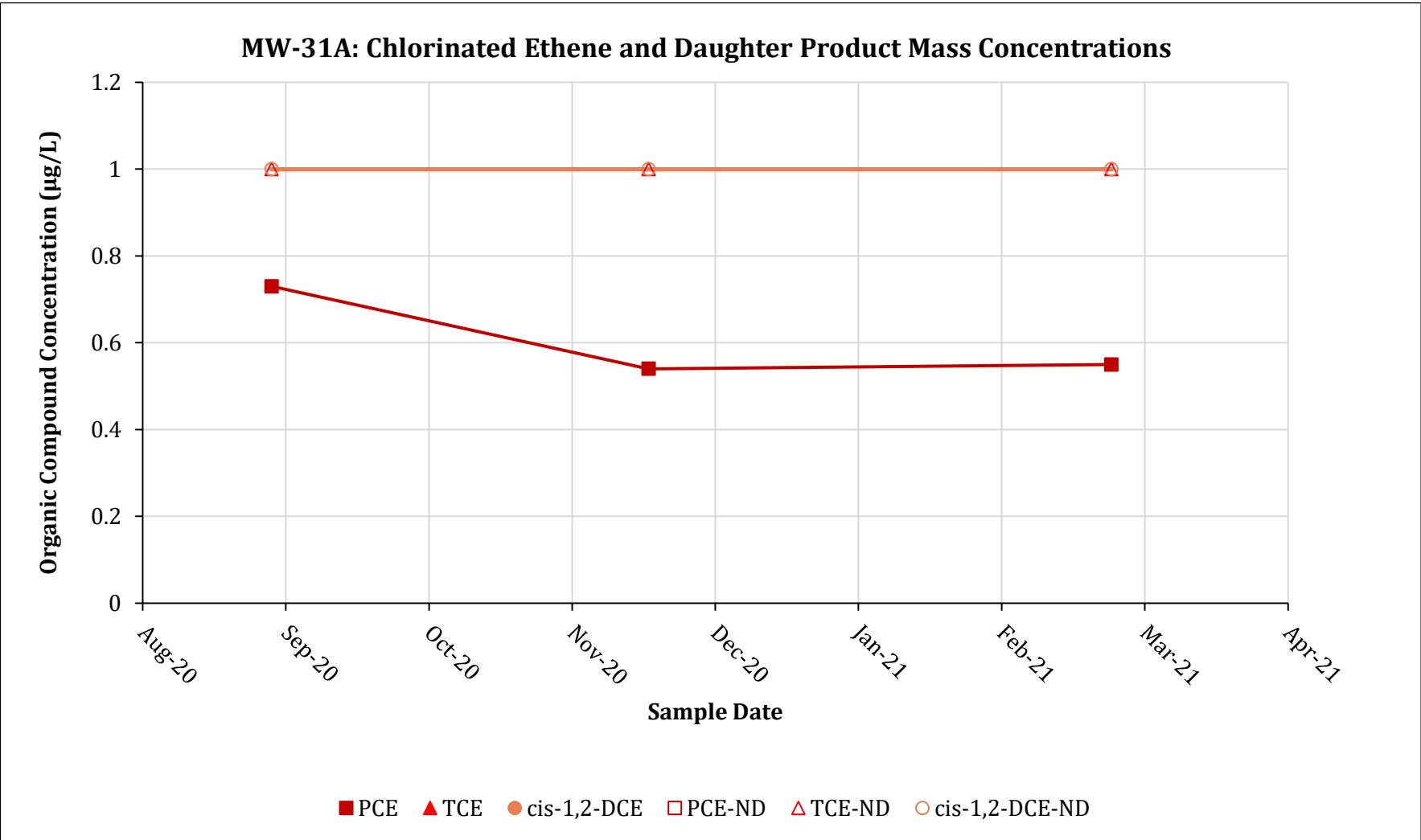
Appendix G
Contaminant Persistence Supporting Information
MW-30RB Chart



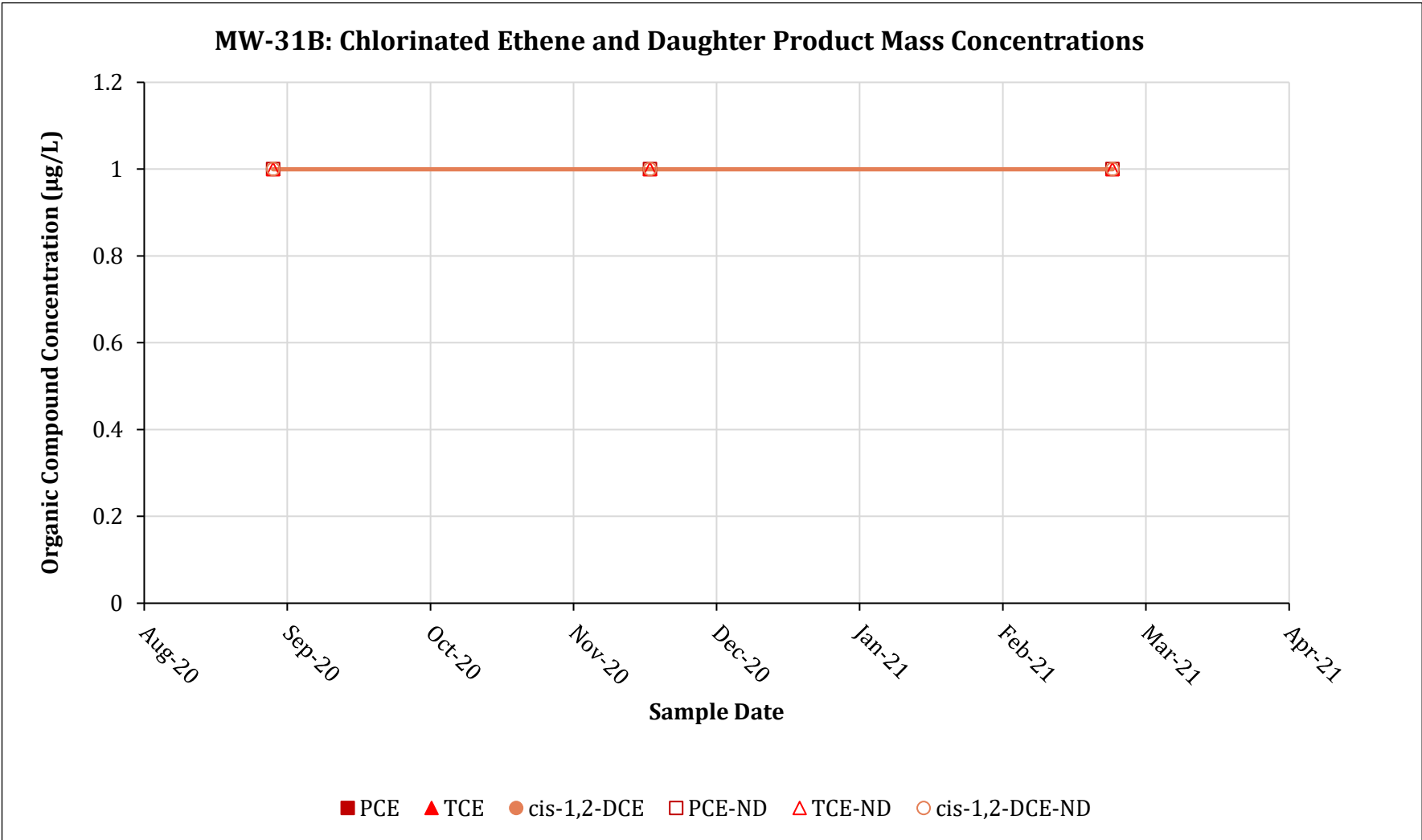
Appendix G
Contaminant Persistence Supporting Information
MW-30C Chart



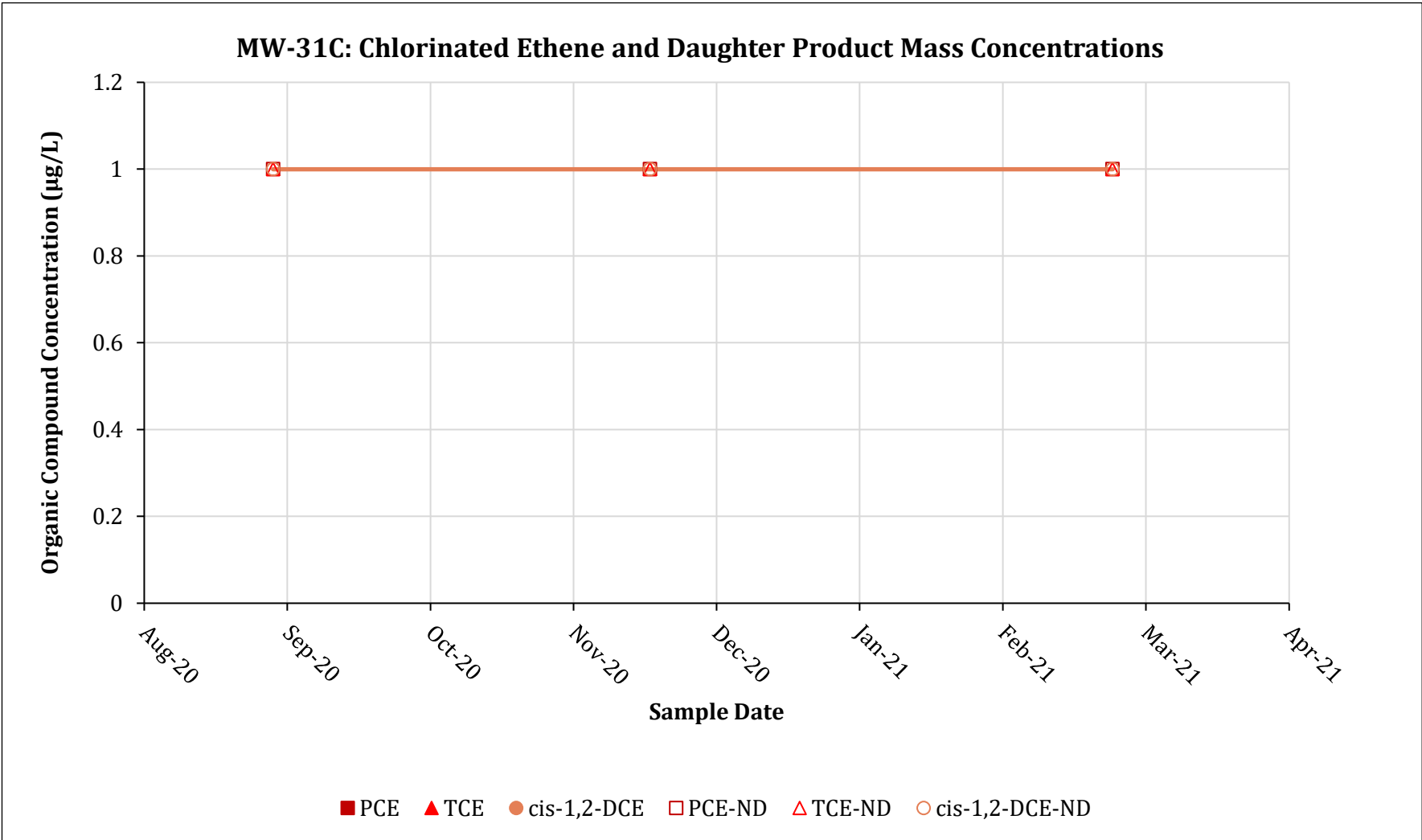
Appendix G
Contaminant Persistence Supporting Information
MW-31A Chart



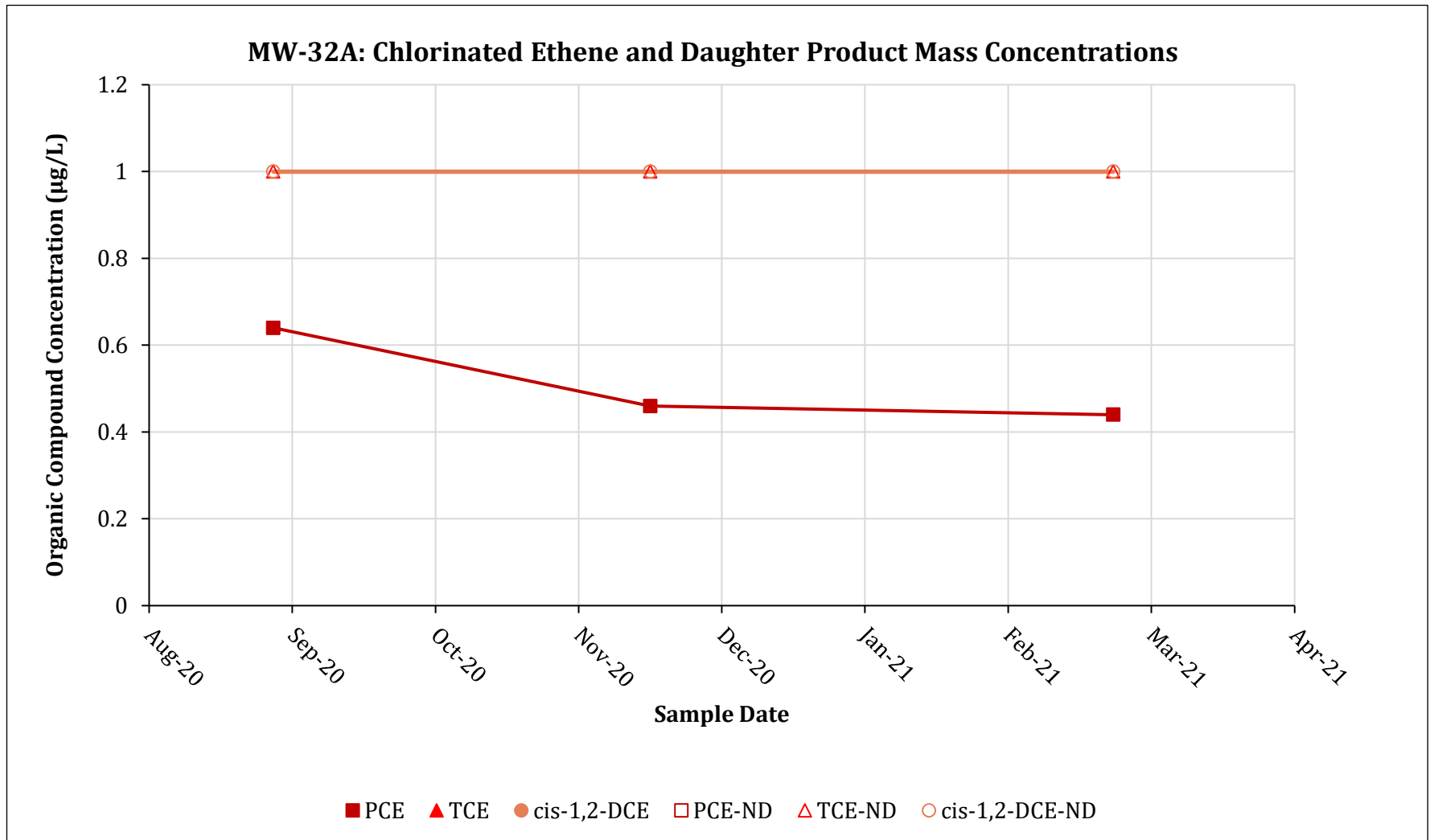
Appendix G
Contaminant Persistence Supporting Information
MW-31B Chart



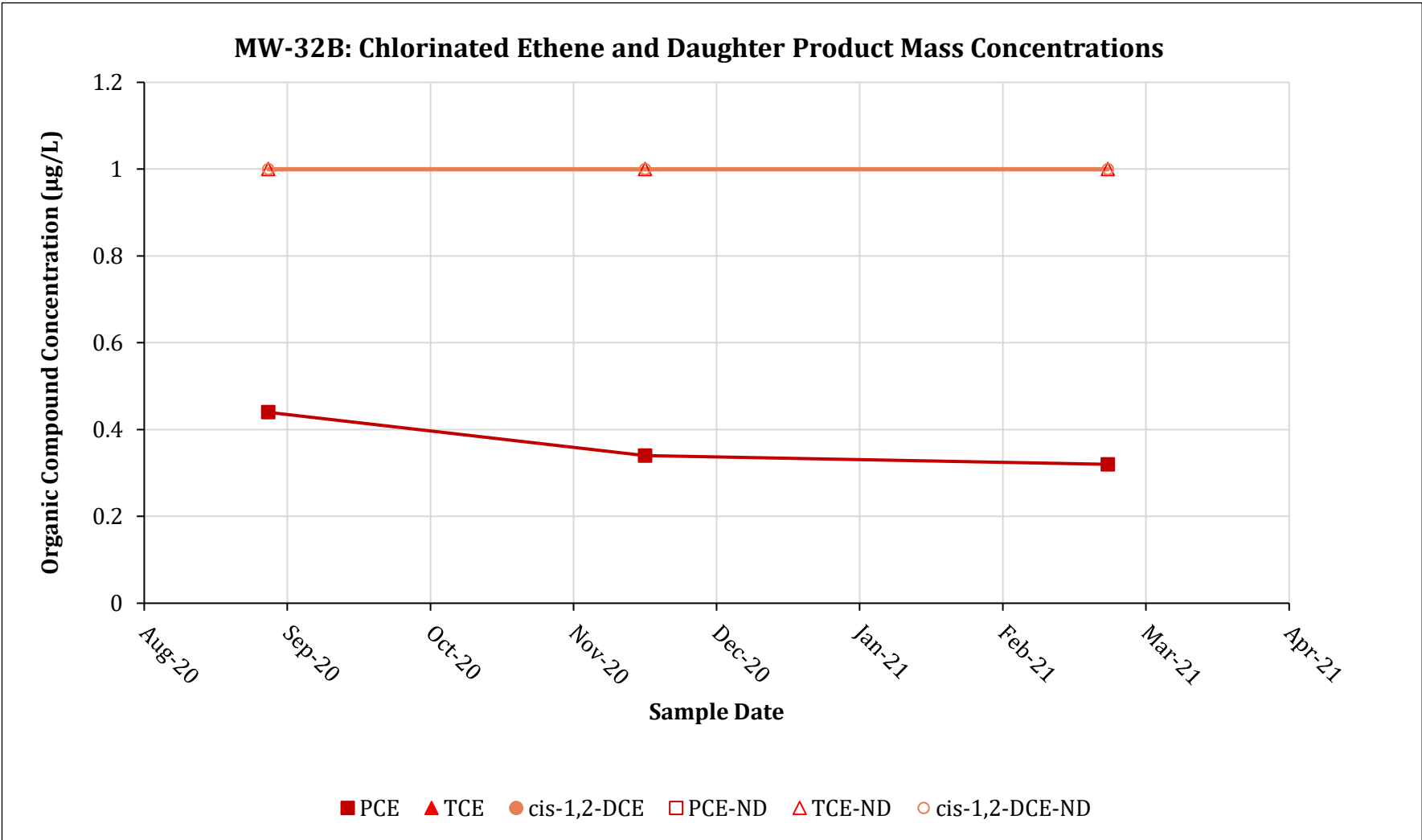
Appendix G
Contaminant Persistence Supporting Information
MW-31C Chart



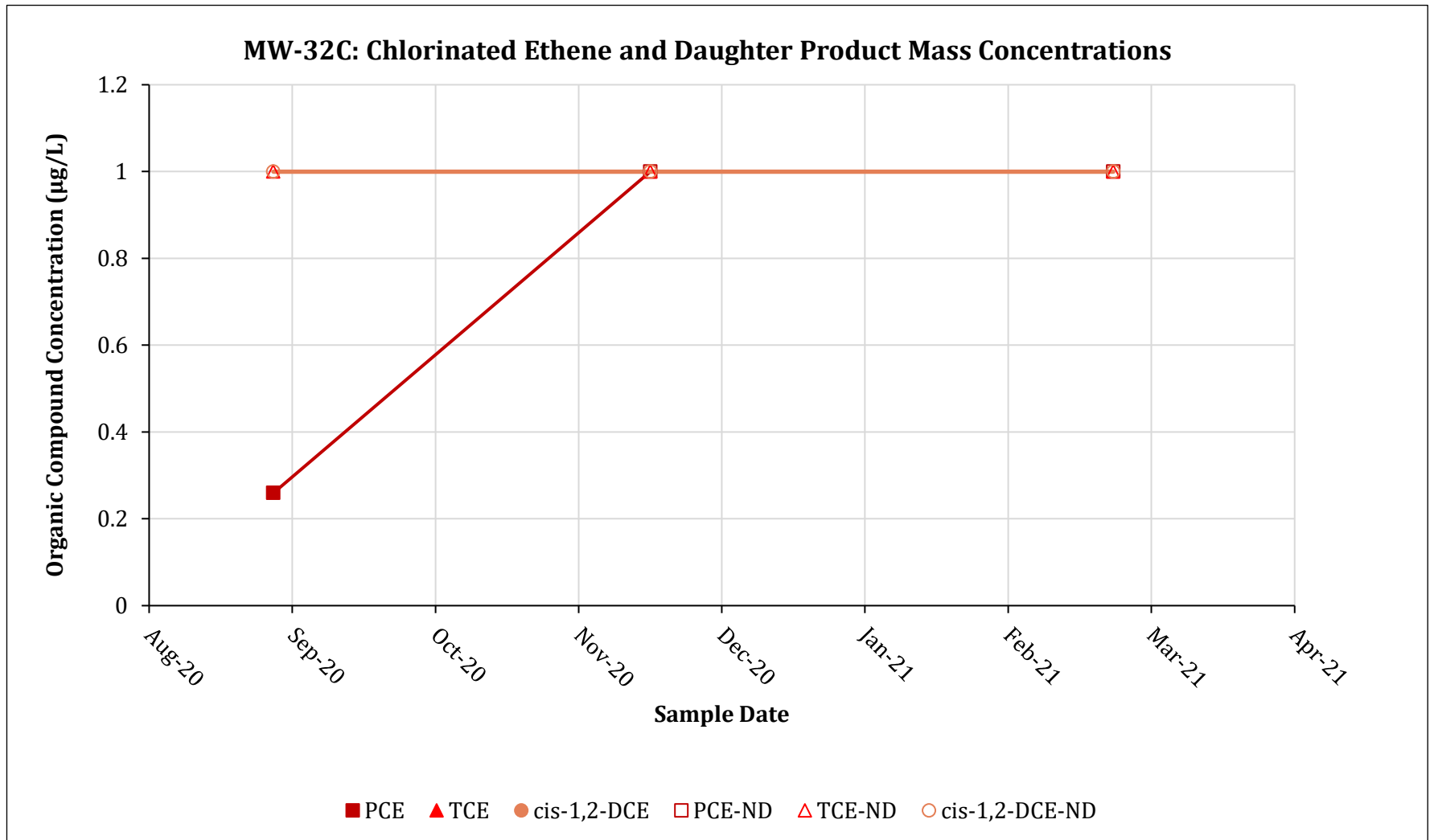
Appendix G
Contaminant Persistence Supporting Information
MW-32A Chart



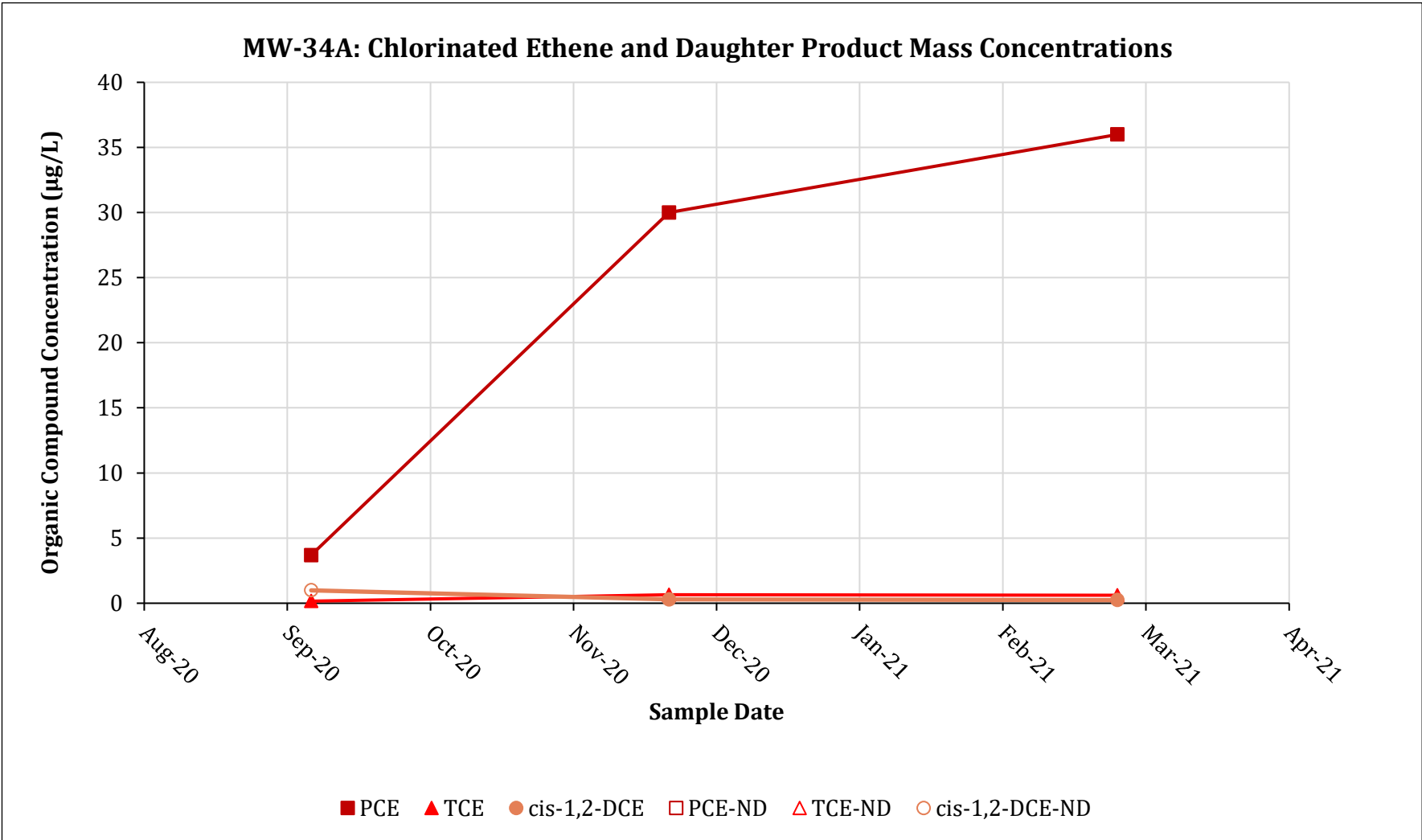
Appendix G
Contaminant Persistence Supporting Information
MW-32B Chart



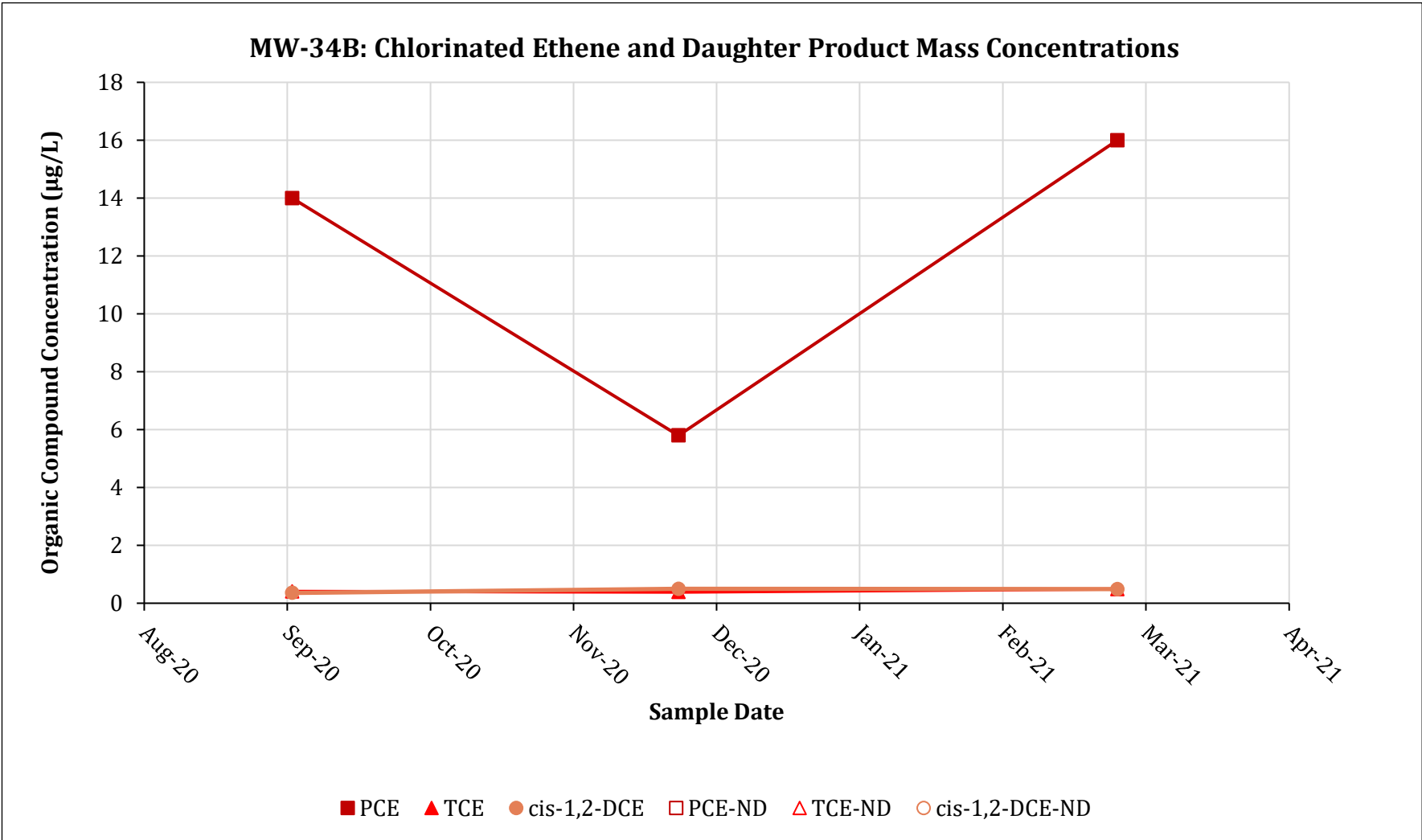
Appendix G
Contaminant Persistence Supporting Information
MW-32C Chart



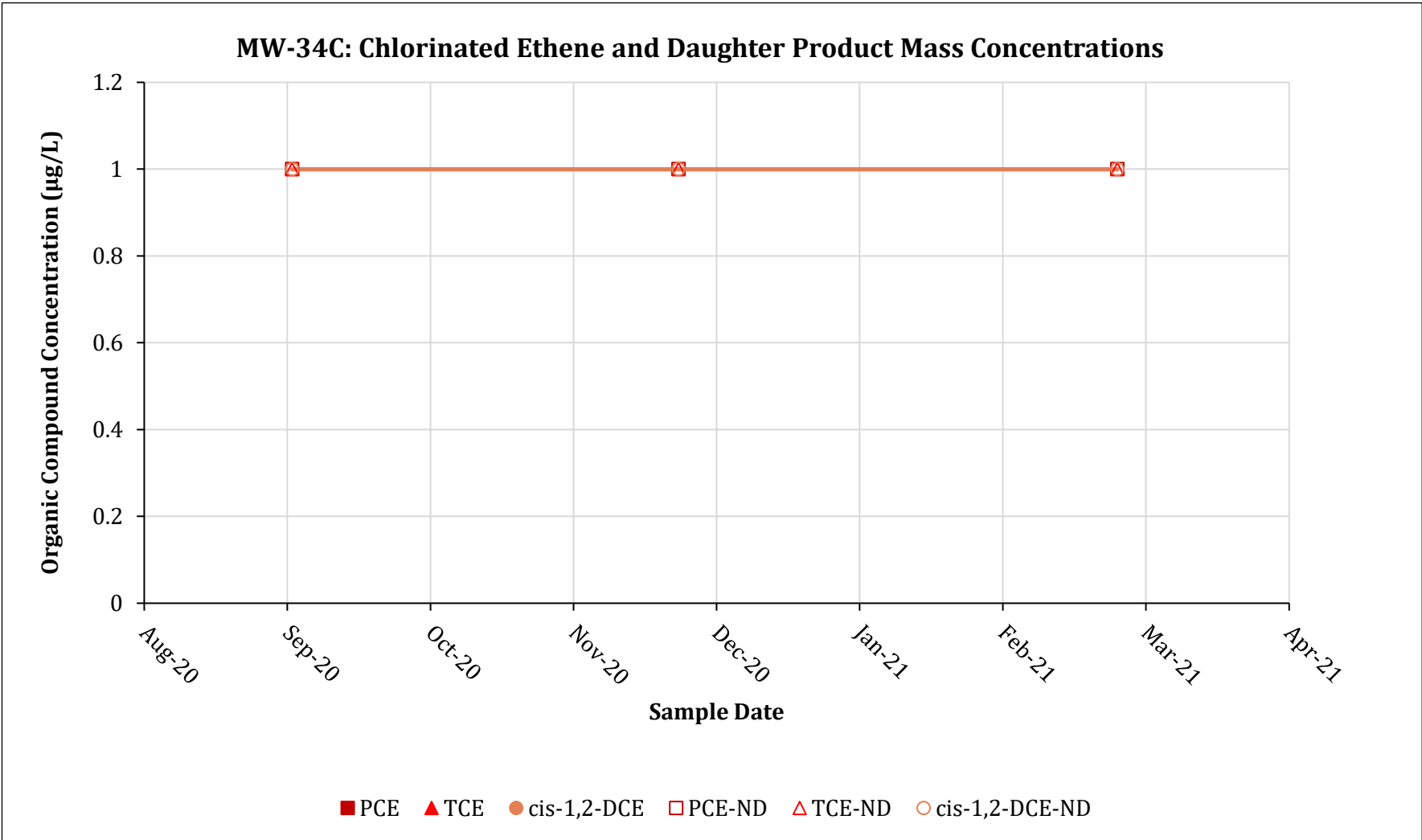
Appendix G
Contaminant Persistence Supporting Information
MW-34A Chart



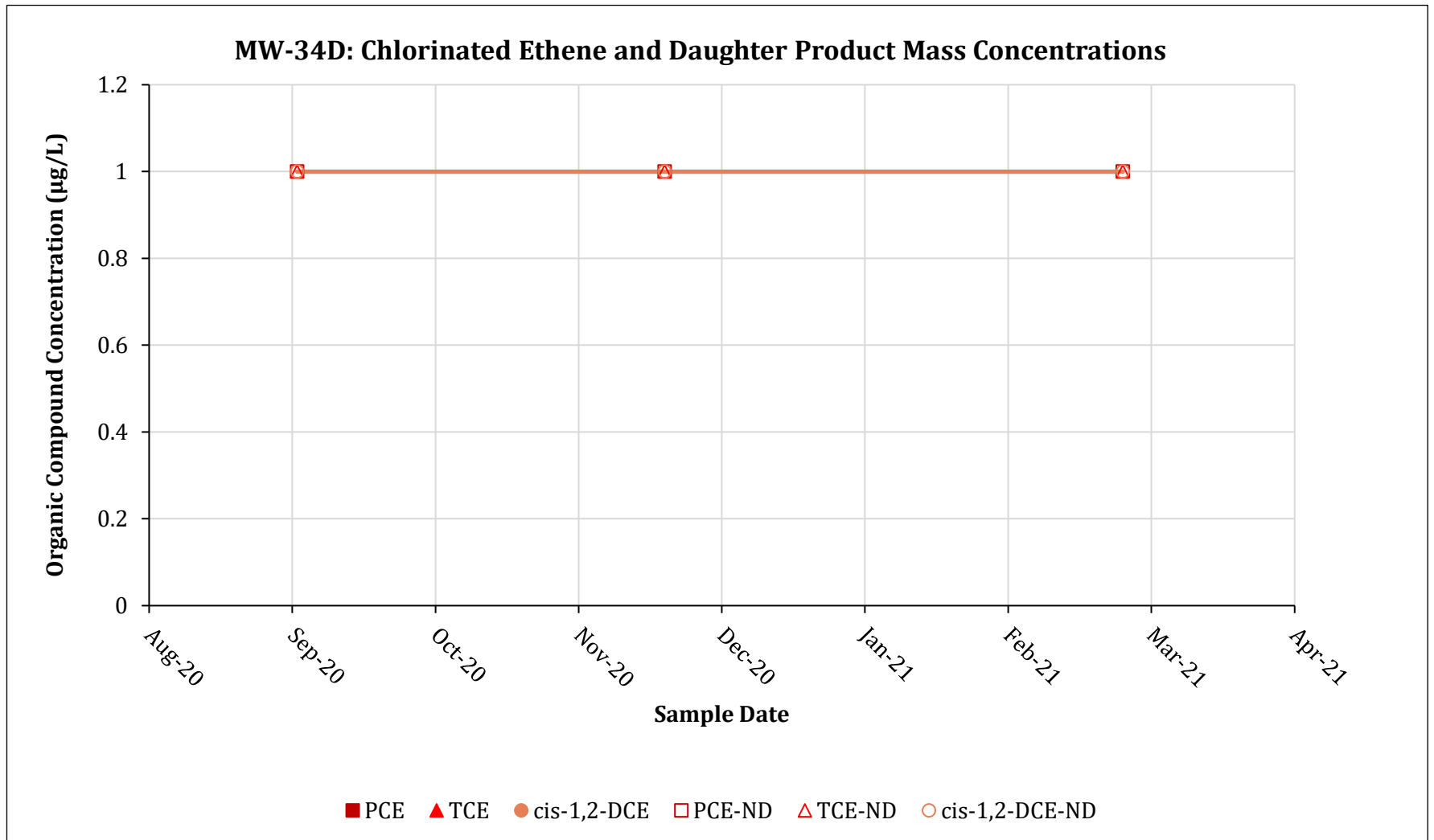
Appendix G
Contaminant Persistence Supporting Information
MW-34B Chart



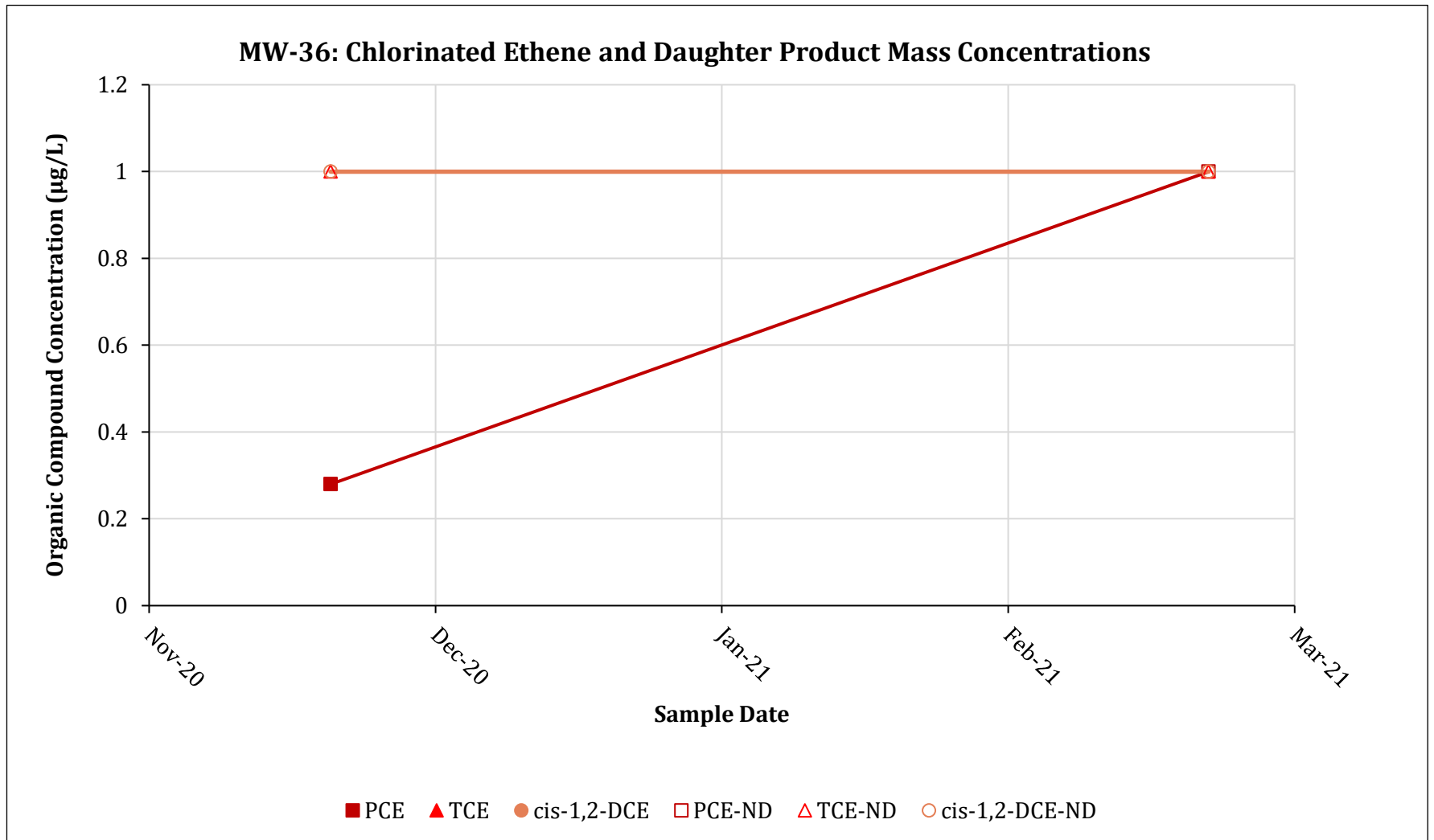
Appendix G
Contaminant Persistence Supporting Information
MW-34C Chart



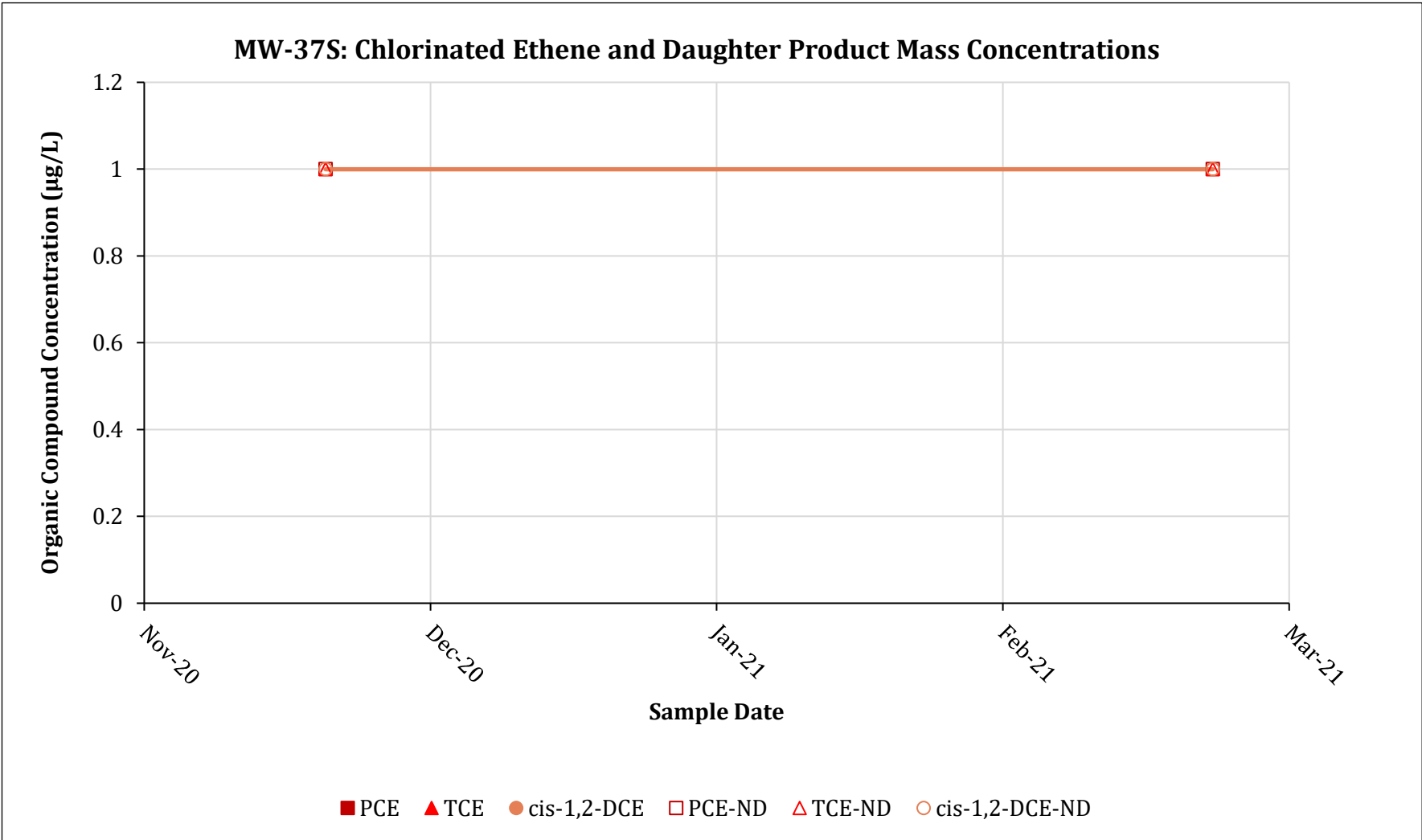
Appendix G
Contaminant Persistence Supporting Information
MW-34D Chart



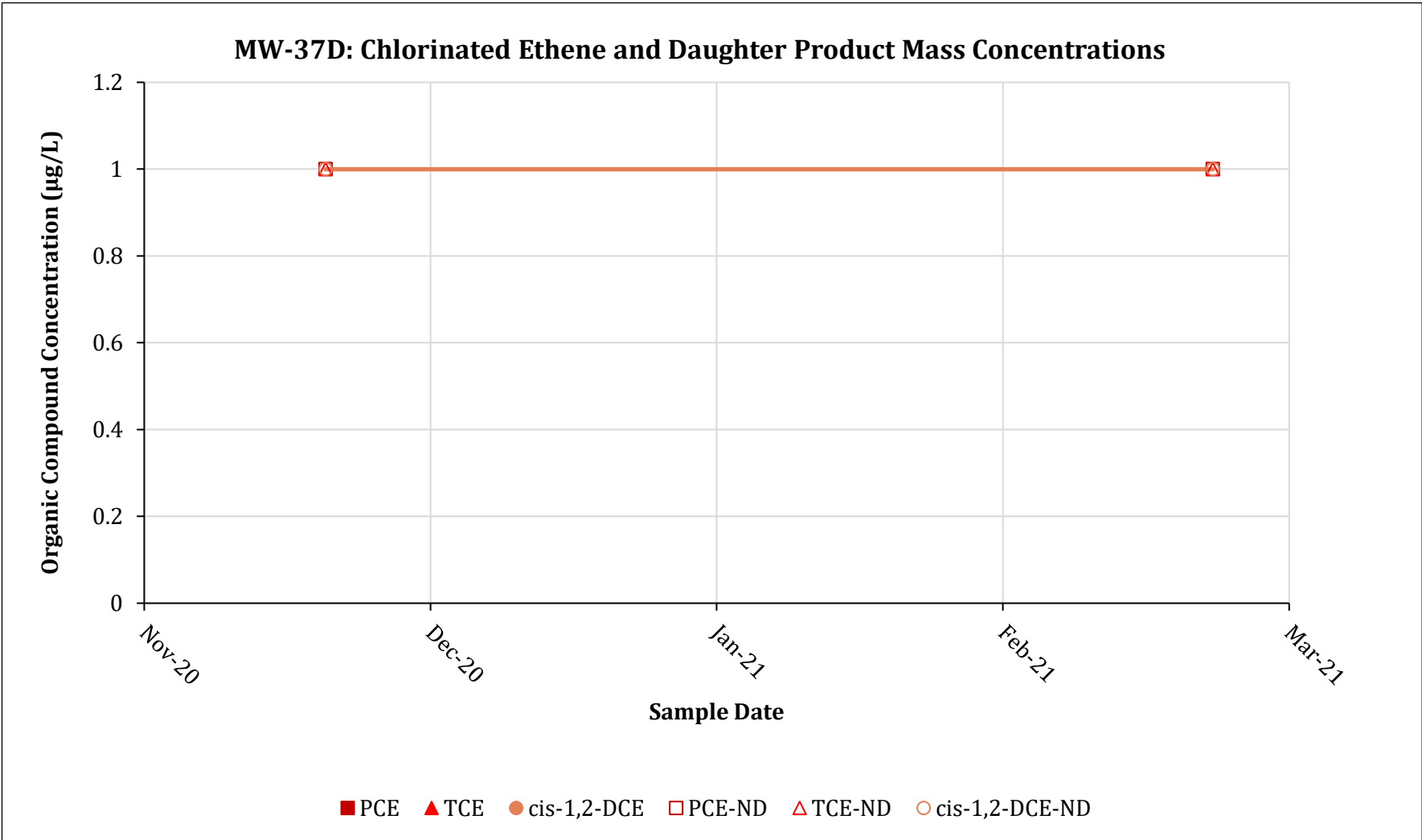
Appendix G
Contaminant Persistence Supporting Information
MW-36 Chart



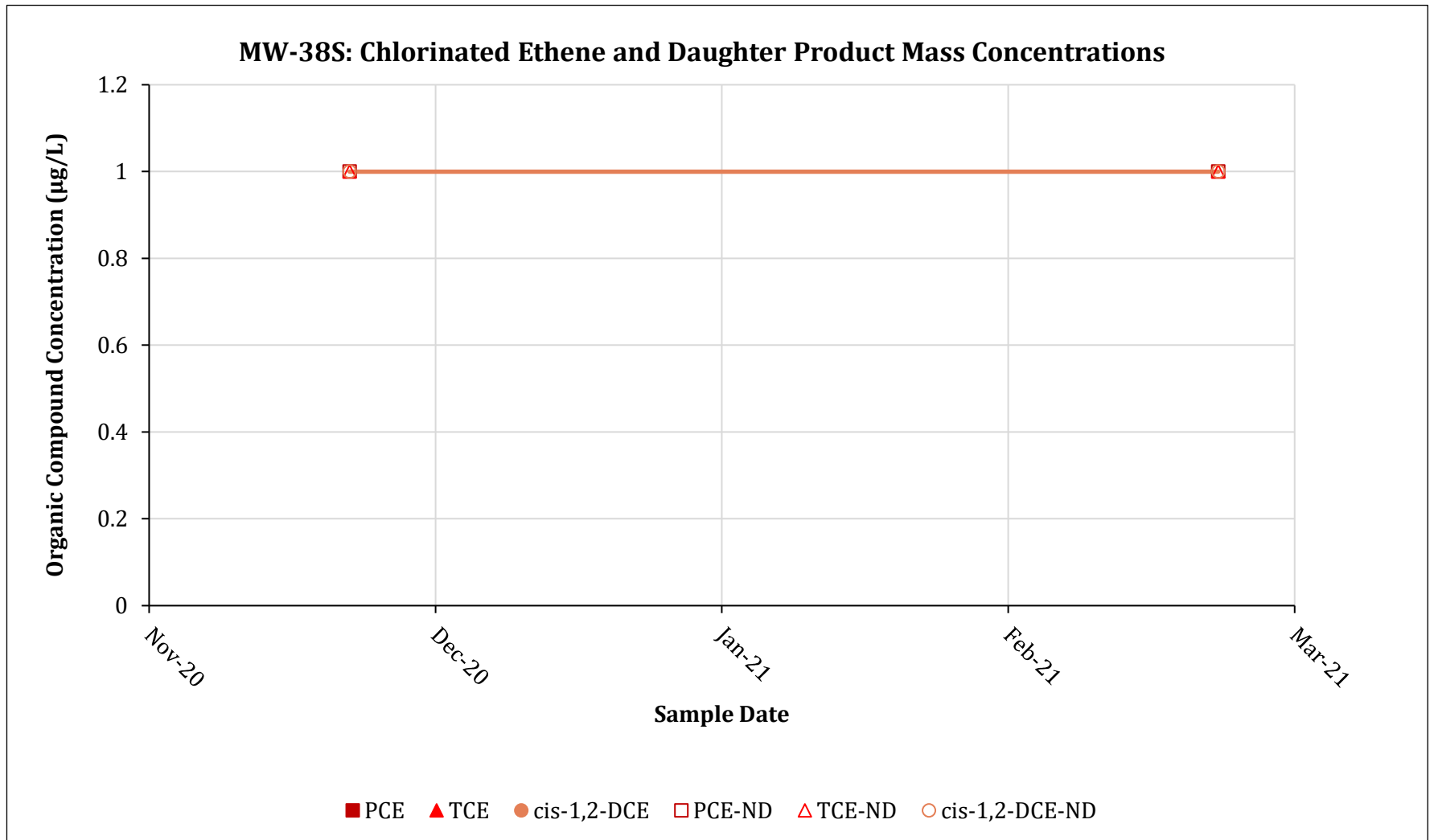
Appendix G
Contaminant Persistence Supporting Information
MW-37S Chart



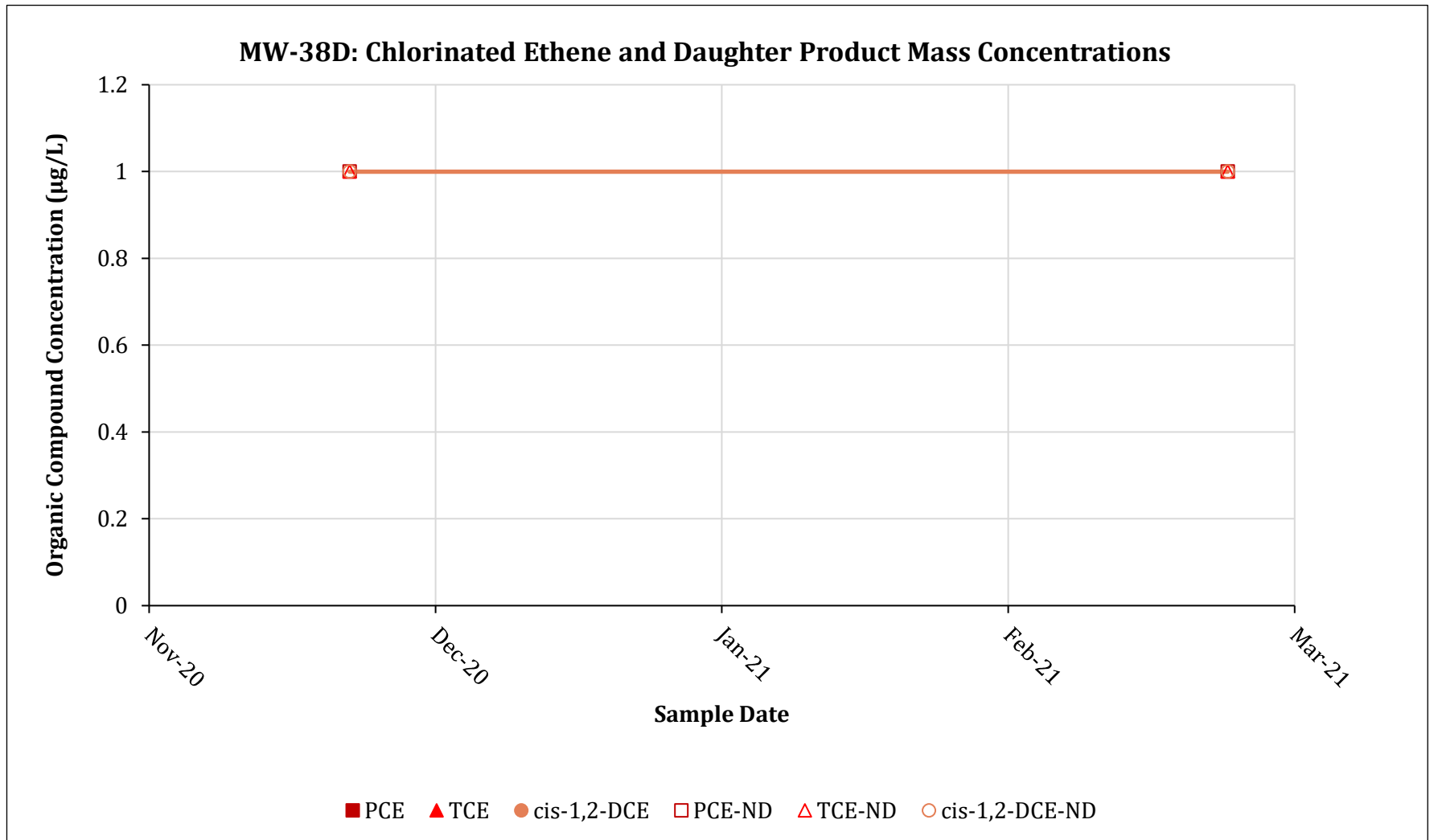
Appendix G
Contaminant Persistence Supporting Information
MW-37D Chart



Appendix G
Contaminant Persistence Supporting Information
MW-38S Chart



Appendix G
Contaminant Persistence Supporting Information
MW-38D Chart



**Appendix G
Contaminant Persistence Supporting Information**

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-01D	Trend ¹	NO TREND	NO TREND, >50% ND	NO TREND, >50% ND	INCREASING, >50% ND	INCREASING, >50% ND	INCREASING, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	NO TREND	NO TREND
	Mann-Kendall Confidence Level	88.4%	77.4%	56.2%	98.9%	98.9%	98.9%			56.0%	70.4%
	Max Concentration (μg/L) ²	9.9	5	5	0.5	0.5	0.5	1	1	1280	0.06
	Results in dataset (total)	18	16	16	10	10	10	4	4	7	10
	Start Date	6/30/1998	6/30/1998	6/30/1998	4/26/2016	4/26/2016	4/26/2016	12/6/2019	12/6/2019	11/10/1998	6/30/1998
	End Date	44277	44277	44277	44277	44277	44277	44180	44180	44180	42634
	Dataset Mean (μg/L) ²	2.68	0.80	0.83	0.43	0.43	0.43	1.00	1.00	260.15	0.03
	COV	1.34	1.57	1.49	0.28	0.28	0.28	0.00	0.00	1.74	0.93
	Mann-Kendall S	-31	16	4	21	21	21	-	-	-2	7
	Mann-Kendall Var(S)	631.67	399.33	364.67	77.00	77.00	77.00	-	-	43.33	125.00
Mann-Kendall p-value	0.12	0.23	0.44	0.01	0.01	0.01	-	-	0.44	0.30	
MW-01S	Trend ¹	DECREASING	DECREASING	DECREASING	NO TREND, >50% ND	INCREASING, >50% ND	INCREASING, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	NO TREND	DECREASING
	Mann-Kendall Confidence Level	99.3%	100.0%	100.0%	52.3%	98.6%	98.6%			71.7%	99.3%
	Max Concentration (μg/L) ²	420	4	5	5	0.5	0.5	1	1	287	2.61
	Results in dataset (total)	15	15	15	15	9	9	3	3	6	15
	Start Date	6/30/1998	6/30/1998	6/30/1998	6/30/1998	4/28/2016	4/28/2016	6/21/2020	6/21/2020	11/11/1998	6/30/1998
	End Date	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	12/16/2020	12/16/2020	12/16/2020	3/22/2021
	Dataset Mean (μg/L) ²	209.73	1.77	1.42	0.86	0.42	0.42	1.00	1.00	223.19	1.29
	COV	0.43	0.57	1.03	1.49	0.30	0.30	0.00	0.00	0.49	0.44
	Mann-Kendall S	-50	-75	-86	2	18	18	-	-	4	-51
	Mann-Kendall Var(S)	404.67	404.33	407.33	312.67	60.00	60.00	-	-	27.33	408.33
Mann-Kendall p-value	0.01	0.00	0.00	0.48	0.01	0.01	-	-	0.28	0.01	
MW-02	Trend ¹	NO TREND	DECREASING	PROBABLY DECREASING	NO TREND, >50% ND	INCREASING, >50% ND	INCREASING, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	NO TREND	NO TREND
	Mann-Kendall Confidence Level	76.2%	97.9%	92.2%	72.8%	98.9%	98.9%			88.5%	77.8%
	Max Concentration (μg/L) ²	296	25	25	25	0.5	0.5	1	1	705	1.81
	Results in dataset (total)	14	13	13	13	10	10	4	4	7	14
	Start Date	11/11/1998	11/11/1998	11/11/1998	11/11/1998	4/27/2016	4/27/2016	12/5/2019	12/5/2019	11/11/1998	11/11/1998
	End Date	3/23/2021	3/23/2021	3/23/2021	3/23/2021	3/23/2021	3/23/2021	12/16/2020	12/16/2020	12/16/2020	3/23/2021
	Dataset Mean (μg/L) ²	184.71	2.65	2.36	2.45	0.43	0.43	1.00	1.00	369.31	1.12
	COV	0.35	2.55	2.88	2.78	0.28	0.28	0.00	0.00	0.64	0.35
	Mann-Kendall S	14	-34	-24	10	21	21	-	-	9	15
	Mann-Kendall Var(S)	332.67	261.33	264.00	220.67	77.00	77.00	-	-	44.33	333.67
Mann-Kendall p-value	0.24	0.02	0.08	0.27	0.01	0.01	-	-	0.11	0.22	
MW-03RA	Trend ¹	STABLE	STABLE	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	DECREASING	STABLE
	Mann-Kendall Confidence Level	67.6%	77.6%	50.0%	50.0%	50.0%	50.0%			97.0%	61.8%
	Max Concentration (μg/L) ²	32	0.5	0.5	0.5	0.5	0.5	1	1	440	0.19
	Results in dataset (total)	7	7	7	7	7	7	4	4	6	7
	Start Date	12/13/2018	12/13/2018	12/13/2018	12/13/2018	12/13/2018	12/13/2018	12/7/2019	12/7/2019	12/13/2018	12/13/2018
	End Date	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	12/11/2020	12/11/2020	12/11/2020	3/21/2021
	Dataset Mean (μg/L) ²	25.09	0.22	0.50	0.50	0.50	0.50	1.00	1.00	390.83	0.15
	COV	0.42	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.42
	Mann-Kendall S	-4	-6	0	0	0	0	-	-	-11	-3
	Mann-Kendall Var(S)	43.33	43.33	0.00	0.00	0.00	0.00	-	-	28.33	44.33
Mann-Kendall p-value	0.32	0.22	0.50	0.50	0.50	0.50	-	-	0.03	0.38	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-03RB	Trend ¹	STABLE	DECREASING	DECREASING	STABLE	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	STABLE	STABLE
	Mann-Kendall Confidence Level	62.1%	96.7%	99.6%	83.0%	50.0%	50.0%			87.0%	72.6%
	Max Concentration (μg/L) ²	230	2.1	1.5	0.14	0.5	0.5	1	1	199	1.42
	Results in dataset (total)	7	7	7	7	7	7	4	4	6	7
	Start Date	12/27/2018	12/27/2018	12/27/2018	12/27/2018	12/27/2018	12/27/2018	12/8/2019	12/8/2019	12/27/2018	12/27/2018
	End Date	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	12/11/2020	12/11/2020	12/11/2020	3/21/2021
	Dataset Mean (μg/L) ²	211.43	1.89	1.34	0.12	0.50	0.50	1.00	1.00	177.33	1.30
	COV	0.10	0.07	0.09	0.11	0.00	0.00	0.00	0.00	0.10	0.10
	Mann-Kendall S	-3	-13	-18	-7	0	0	-	-	-7	-5
	Mann-Kendall Var(S)	42.33	42.33	41.33	39.67	0.00	0.00	-	-	28.33	44.33
Mann-Kendall p-value	0.38	0.03	0.00	0.17	0.50	0.50	-	-	0.13	0.27	
MW-03RC	Trend ¹	STABLE	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	NO TREND	STABLE
	Mann-Kendall Confidence Level	77.6%	50.0%	50.0%	50.0%	50.0%	50.0%			64.6%	77.6%
	Max Concentration (μg/L) ²	6.5	0.5	0.5	0.5	0.5	0.5	1	1	90.1	0.04
	Results in dataset (total)	7	7	7	7	7	7	4	4	6	7
	Start Date	12/17/2018	12/17/2018	12/17/2018	12/17/2018	12/17/2018	12/17/2018	12/7/2019	12/7/2019	12/17/2018	12/17/2018
	End Date	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	12/11/2020	12/11/2020	12/11/2020	3/21/2021
	Dataset Mean (μg/L) ²	6.14	0.50	0.50	0.50	0.50	0.50	1.00	1.00	77.55	0.04
	COV	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.06
	Mann-Kendall S	-6	0	0	0	0	0	-	-	3	-6
	Mann-Kendall Var(S)	43.33	0.00	0.00	0.00	0.00	0.00	-	-	28.33	43.33
Mann-Kendall p-value	0.22	0.50	0.50	0.50	0.50	0.50	-	-	0.35	0.22	
MW-03RD	Trend ¹	NO TREND, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level	87.9%	50.0%	50.0%	50.0%	50.0%	50.0%				
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	87	0.02
	Results in dataset (total)	6	6	6	6	6	6	4	4	5	3
	Start Date	3/27/2019	3/27/2019	3/27/2019	3/27/2019	3/27/2019	3/27/2019	12/7/2019	12/7/2019	3/27/2019	3/27/2019
	End Date	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	12/11/2020	12/11/2020	12/11/2020	12/11/2020
	Dataset Mean (μg/L) ²	0.45	0.50	0.50	0.50	0.50	0.50	0.71	1.00	83.96	0.01
	COV	0.29	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.03	0.86
	Mann-Kendall S	5	0	0	0	0	0	-	-	-	-
	Mann-Kendall Var(S)	11.67	0.00	0.00	0.00	0.00	0.00	-	-	-	-
Mann-Kendall p-value	0.12	0.50	0.50	0.50	0.50	0.50	-	-	-	-	
MW-04	Trend ¹	DECREASING	DECREASING	DECREASING	NO TREND, >50% ND	INCREASING, >50% ND	INCREASING, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	INCREASING	DECREASING
	Mann-Kendall Confidence Level	100.0%	100.0%	95.8%	72.8%	98.9%	98.9%			96.4%	100.0%
	Max Concentration (μg/L) ²	190	2	2.5	5	0.5	0.5	1	1	281	1.17
	Results in dataset (total)	14	13	13	13	10	10	4	4	7	14
	Start Date	11/11/1998	11/11/1998	11/11/1998	11/11/1998	4/27/2016	4/27/2016	12/5/2019	12/5/2019	11/11/1998	11/11/1998
	End Date	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	12/10/2020	12/10/2020	12/10/2020	3/22/2021
	Dataset Mean (μg/L) ²	73.93	0.51	0.52	0.91	0.43	0.43	1.00	1.00	212.31	0.45
	COV	0.57	0.98	1.24	1.50	0.28	0.28	0.00	0.00	0.45	0.58
	Mann-Kendall S	-62	-75	-29	10	21	21	-	-	13	-65
	Mann-Kendall Var(S)	332.67	267.67	263.00	220.67	77.00	77.00	-	-	44.33	333.67
Mann-Kendall p-value	0.00	0.00	0.04	0.27	0.01	0.01	-	-	0.04	0.00	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-05R	Trend ¹	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	STABLE	INSUFFICIENT DATA
	Mann-Kendall Confidence Level	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%			64.6%	
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	319	0.00
	Results in dataset (total)	6	6	6	6	6	6	4	4	6	0
	Start Date	12/11/2018	12/11/2018	12/11/2018	12/11/2018	12/11/2018	12/11/2018	12/8/2019	12/8/2019	12/11/2018	1/0/1900
	End Date	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	1/0/1900
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	1.00	1.00	286.00	
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	
	Mann-Kendall S	0	0	0	0	0	0	-	-	-3	-
	Mann-Kendall Var(S)	0.00	0.00	0.00	0.00	0.00	0.00	-	-	28.33	-
Mann-Kendall p-value	0.50	0.50	0.50	0.50	0.50	0.50	-	-	0.35	-	
MW-06	Trend ¹	DECREASING	NO TREND, >50% ND	NO TREND, >50% ND	PROBABLY INCREASING, >50% ND	INCREASING, >50% ND	INCREASING, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	STABLE	DECREASING
	Mann-Kendall Confidence Level	99.7%	76.9%	72.8%	94.9%	98.9%	98.9%			50.0%	99.0%
	Max Concentration (μg/L) ²	5	5	5	2.5	0.5	0.5	1	1	187	0.01
	Results in dataset (total)	13	13	13	12	10	10	4	4	7	10
	Start Date	1/6/2000	1/6/2000	1/6/2000	2/23/2005	4/26/2016	4/26/2016	12/6/2019	12/6/2019	1/6/2000	2/23/2005
	End Date	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	12/10/2020	12/10/2020	12/10/2020	3/22/2021
	Dataset Mean (μg/L) ²	0.88	0.90	0.91	0.58	0.43	0.43	1.00	1.00	141.15	0.00
	COV	1.56	1.53	1.51	1.07	0.28	0.28	0.00	0.00	0.45	0.75
	Mann-Kendall S	-46	12	10	22	21	21	-	-	-1	-27
	Mann-Kendall Var(S)	266.67	223.33	220.67	164.67	77.00	77.00	-	-	44.33	123.00
Mann-Kendall p-value	0.00	0.23	0.27	0.05	0.01	0.01	-	-	0.50	0.01	
MW-08A	Trend ¹	PROBABLY DECREASING	PROBABLY DECREASING	STABLE	STABLE	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	NO TREND	PROBABLY DECREASING
	Mann-Kendall Confidence Level	93.3%	93.3%	62.1%	85.6%	50.0%	50.0%			64.6%	93.3%
	Max Concentration (μg/L) ²	68	0.48	0.5	0.5	0.5	0.5	1	1	462	0.42
	Results in dataset (total)	7	7	7	7	7	7	4	4	6	7
	Start Date	12/27/2018	12/27/2018	12/27/2018	12/27/2018	12/27/2018	12/27/2018	12/8/2019	12/8/2019	12/27/2018	12/27/2018
	End Date	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	12/9/2020	12/9/2020	12/9/2020	3/17/2021
	Dataset Mean (μg/L) ²	59.29	0.42	0.24	0.28	0.50	0.50	1.00	1.00	397.00	0.36
	COV	0.10	0.09	0.49	0.55	0.00	0.00	0.00	0.00	0.09	0.10
	Mann-Kendall S	-11	-11	-3	-8	0	0	-	-	3	-11
	Mann-Kendall Var(S)	44.33	44.33	42.33	43.33	0.00	0.00	-	-	28.33	44.33
Mann-Kendall p-value	0.07	0.07	0.38	0.14	0.50	0.50	-	-	0.35	0.07	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-08B	Trend ¹	DECREASING	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	INCREASING	DECREASING
	Mann-Kendall Confidence Level	96.4%	50.0%	50.0%	50.0%	50.0%	50.0%			98.7%	96.4%
	Max Concentration (μg/L) ²	5.5	0.5	0.5	0.5	0.5	0.5	1	1	165	0.03
	Results in dataset (total)	7	7	7	7	7	7	4	4	6	7
	Start Date	12/27/2018	12/27/2018	12/27/2018	12/27/2018	12/27/2018	12/27/2018	12/8/2019	12/8/2019	12/27/2018	12/27/2018
	End Date	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	12/9/2020	12/9/2020	12/9/2020	3/17/2021
	Dataset Mean (μg/L) ²	4.70	0.50	0.50	0.50	0.50	0.50	1.00	1.00	121.50	0.03
	COV	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.12
	Mann-Kendall S	-13	0	0	0	0	0	-	-	12	-13
	Mann-Kendall Var(S)	44.33	0.00	0.00	0.00	0.00	0.00	-	-	24.67	44.33
Mann-Kendall p-value	0.04	0.50	0.50	0.50	0.50	0.50	-	-	0.01	0.04	
MW-08C	Trend ¹	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%				
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	70.6	0.01
	Results in dataset (total)	6	6	6	6	6	6	4	4	5	3
	Start Date	3/20/2019	3/20/2019	3/20/2019	3/20/2019	3/20/2019	3/20/2019	12/8/2019	12/8/2019	3/20/2019	12/8/2019
	End Date	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	12/9/2020	12/9/2020	12/9/2020	9/27/2020
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	0.69	0.86	51.70	0.01
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.33	0.31	0.12
	Mann-Kendall S	0	0	0	0	0	0	-	-	-	-
	Mann-Kendall Var(S)	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-
Mann-Kendall p-value	0.50	0.50	0.50	0.50	0.50	0.50	-	-	-	-	
MW-12D	Trend ¹	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	STABLE	INSUFFICIENT DATA
	Mann-Kendall Confidence Level	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%			50.0%	
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	294	0.00
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	0
	Start Date	9/24/2018	9/24/2018	9/24/2018	9/24/2018	9/24/2018	9/24/2018	12/6/2019	12/6/2019	9/24/2018	1/0/1900
	End Date	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	12/9/2020	12/9/2020	12/9/2020	1/0/1900
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	1.00	1.00	210.00	
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	
	Mann-Kendall S	0	0	0	0	0	0	-	-	-1	-
	Mann-Kendall Var(S)	0.00	0.00	0.00	0.00	0.00	0.00	-	-	44.33	-
Mann-Kendall p-value	0.50	0.50	0.50	0.50	0.50	0.50	-	-	0.50	-	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-12S	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	2.2	0.5	0.5	0.5	0.5	0.5	1	1	281	0.02
	Results in dataset (total)	5	5	5	5	5	5	2	2	5	5
	Start Date	9/24/2018	9/24/2018	9/24/2018	9/24/2018	9/24/2018	9/24/2018	12/6/2019	12/6/2019	9/24/2018	9/24/2018
	End Date	6/19/2020	6/19/2020	6/19/2020	6/19/2020	6/19/2020	6/19/2020	6/19/2020	6/19/2020	6/19/2020	6/19/2020
	Dataset Mean (μg/L) ²	1.37	0.37	0.50	0.50	0.50	0.50	1.00	1.00	189.60	0.01
	COV	0.37	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.43
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	
MW-13D	Trend ¹	STABLE	STABLE	DECREASING	DECREASING	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	NO TREND	PROBABLY DECREASING
	Mann-Kendall Confidence Level	89.4%	69.1%	98.4%	96.8%	50.0%	50.0%			81.6%	91.3%
	Max Concentration (μg/L) ²	75	0.6	0.42	0.28	0.5	0.5	1	1	222	0.46
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	8
	Start Date	9/17/2018	9/17/2018	9/17/2018	9/17/2018	9/17/2018	9/17/2018	12/5/2019	12/5/2019	9/17/2018	9/17/2018
	End Date	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	12/11/2020	12/11/2020	12/11/2020	3/21/2021
	Dataset Mean (μg/L) ²	62.63	0.51	0.35	0.21	0.50	0.50	1.00	1.00	206.71	0.39
	COV	0.12	0.10	0.16	0.22	0.00	0.00	0.00	0.00	0.05	0.12
	Mann-Kendall S	-11	-5	-18	-16	0	0	-	-	7	-12
	Mann-Kendall Var(S)	64.33	64.33	63.33	65.33	0.00	0.00	-	-	44.33	65.33
Mann-Kendall p-value	0.11	0.31	0.02	0.03	0.50	0.50	-	-	0.18	0.09	
MW-13L	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	51	0.29	0.5	0.18	0.5	0.5	1	1	182	0.32
	Results in dataset (total)	2	2	2	2	2	2	1	1	1	2
	Start Date	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	3/22/2021	3/22/2021	3/22/2021	12/16/2020
	End Date	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021
	Dataset Mean (μg/L) ²	33.50	0.23	0.46	0.18	0.50	0.50	1.00	1.00	182.00	0.21
	COV	0.74	0.37	0.14	0.04	0.00	0.00				0.72
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-13S	Trend ¹	NO TREND	INCREASING	NO TREND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	STABLE	NO TREND
	Mann-Kendall Confidence Level	73.2%	97.7%	77.6%	50.0%	50.0%	50.0%			50.0%	73.2%
	Max Concentration (μg/L) ²	31	1.3	0.5	0.5	0.5	0.5	1	1	429	0.19
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	8
	Start Date	9/19/2018	9/19/2018	9/19/2018	9/19/2018	9/19/2018	9/19/2018	12/5/2019	12/5/2019	9/19/2018	9/19/2018
	End Date	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	12/11/2020	12/11/2020	12/11/2020	3/22/2021
	Dataset Mean (μg/L) ²	23.00	0.80	0.26	0.50	0.50	0.50	1.00	1.00	406.57	0.15
	COV	0.23	0.45	0.59	0.00	0.00	0.00	0.00	0.00	0.06	0.23
	Mann-Kendall S	6	17	7	0	0	0	-	-	0	6
	Mann-Kendall Var(S)	65.33	64.33	62.33	0.00	0.00	0.00	-	-	43.33	65.33
Mann-Kendall p-value	0.27	0.02	0.22	0.50	0.50	0.50	-	-	0.50	0.27	
MW-14D	Trend ¹	STABLE	NO TREND	STABLE	STABLE	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	NO TREND	STABLE
	Mann-Kendall Confidence Level	69.1%	50.0%	89.4%	74.0%	50.0%	50.0%			56.0%	73.2%
	Max Concentration (μg/L) ²	37	0.32	0.35	0.22	0.5	0.5	1	1	213	0.23
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	8
	Start Date	9/19/2018	9/19/2018	9/19/2018	9/19/2018	9/19/2018	9/19/2018	12/7/2019	12/7/2019	9/19/2018	9/19/2018
	End Date	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	12/14/2020	12/14/2020	12/14/2020	3/18/2021
	Dataset Mean (μg/L) ²	31.00	0.25	0.30	0.18	0.50	0.50	1.00	1.00	203.14	0.19
	COV	0.16	0.16	0.13	0.21	0.00	0.00	0.00	0.00	0.05	0.16
	Mann-Kendall S	-5	1	-11	-6	0	0	-	-	2	-6
	Mann-Kendall Var(S)	64.33	64.33	64.33	60.67	0.00	0.00	-	-	43.33	65.33
Mann-Kendall p-value	0.31	0.50	0.11	0.26	0.50	0.50	-	-	0.44	0.27	
MW-14S	Trend ¹	NO TREND	PROBABLY INCREASING	PROBABLY INCREASING	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	NO TREND	NO TREND
	Mann-Kendall Confidence Level	73.2%	93.3%	91.3%	50.0%	50.0%	50.0%			50.0%	73.2%
	Max Concentration (μg/L) ²	10	12	3.2	0.5	0.5	0.5	1	1	364	0.15
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	8
	Start Date	9/19/2018	9/19/2018	9/19/2018	9/19/2018	9/19/2018	9/19/2018	12/7/2019	12/7/2019	9/19/2018	9/19/2018
	End Date	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	12/14/2020	12/14/2020	12/14/2020	3/18/2021
	Dataset Mean (μg/L) ²	4.93	5.35	1.41	0.50	0.46	0.50	1.00	1.00	277.71	0.08
	COV	0.61	0.61	0.61	0.00	0.23	0.00	0.00	0.00	0.16	0.50
	Mann-Kendall S	6	13	12	0	0	0	-	-	1	6
	Mann-Kendall Var(S)	65.33	64.33	65.33	0.00	0.00	0.00	-	-	44.33	65.33
Mann-Kendall p-value	0.27	0.07	0.09	0.50	0.50	0.50	-	-	0.50	0.27	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-15D	Trend ¹	PROBABLY DECREASING, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	PROBABLY INCREASING	INSUFFICIENT DATA
	Mann-Kendall Confidence Level	90.6%	50.0%	50.0%	50.0%	50.0%	50.0%			91.4%	
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	380	0.00
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	2
	Start Date	9/25/2018	9/25/2018	9/25/2018	9/25/2018	9/25/2018	9/25/2018	12/7/2019	12/7/2019	9/25/2018	9/28/2020
	End Date	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	12/9/2020	12/9/2020	12/9/2020	3/16/2021
	Dataset Mean (μg/L) ²	0.41	0.50	0.50	0.50	0.50	0.50	1.00	1.00	317.43	0.00
	COV	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.05
	Mann-Kendall S	-9	0	0	0	0	0	-	-	10	-
	Mann-Kendall Var(S)	37.00	0.00	0.00	0.00	0.00	0.00	-	-	43.33	-
Mann-Kendall p-value	0.09	0.50	0.50	0.50	0.50	0.50	-	-	0.09	-	
MW-15S	Trend ¹	NO TREND	NO TREND, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	STABLE	NO TREND
	Mann-Kendall Confidence Level	87.1%	66.9%	66.9%	50.0%	50.0%	50.0%			61.8%	57.6%
	Max Concentration (μg/L) ²	3.3	4.2	0.68	0.5	0.5	0.5	1	1	451	0.06
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	6
	Start Date	9/25/2018	9/25/2018	9/25/2018	9/25/2018	9/25/2018	9/25/2018	12/7/2019	12/7/2019	9/25/2018	3/11/2019
	End Date	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	12/9/2020	12/9/2020	12/9/2020	3/16/2021
	Dataset Mean (μg/L) ²	0.76	0.96	0.52	0.50	0.50	0.50	1.00	1.00	392.71	0.01
	COV	1.37	1.36	0.12	0.00	0.00	0.00	0.00	0.00	0.15	2.01
	Mann-Kendall S	-10	-3	-3	0	0	0	-	-	-3	-2
	Mann-Kendall Var(S)	63.33	21.00	21.00	0.00	0.00	0.00	-	-	44.33	27.33
Mann-Kendall p-value	0.13	0.33	0.33	0.50	0.50	0.50	-	-	0.38	0.42	
MW-16D	Trend ¹	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	STABLE	INSUFFICIENT DATA
	Mann-Kendall Confidence Level	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%			56.0%	
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	143	0.00
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	0
	Start Date	9/20/2018	9/20/2018	9/20/2018	9/20/2018	9/20/2018	9/20/2018	12/6/2019	12/6/2019	9/20/2018	1/0/1900
	End Date	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	12/10/2020	12/10/2020	12/10/2020	1/0/1900
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	1.00	1.00	107.37	
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	
	Mann-Kendall S	0	0	0	0	0	0	-	-	-2	-
	Mann-Kendall Var(S)	0.00	0.00	0.00	0.00	0.00	0.00	-	-	43.33	-
Mann-Kendall p-value	0.50	0.50	0.50	0.50	0.50	0.50	-	-	0.44	-	

**Appendix G
Contaminant Persistence Supporting Information**

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-16S	Trend ¹	NO TREND	NO TREND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	NO TREND	NO TREND
	Mann-Kendall Confidence Level	64.7%	84.1%	55.7%	56.6%	50.0%	50.0%			61.8%	69.1%
	Max Concentration (μg/L) ²	28	0.24	0.5	0.5	0.5	0.5	1	1	263	0.17
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	8
	Start Date	9/20/2018	9/20/2018	9/20/2018	9/20/2018	9/20/2018	9/20/2018	12/6/2019	12/6/2019	9/20/2018	9/20/2018
	End Date	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	12/10/2020	12/10/2020	12/10/2020	3/17/2021
	Dataset Mean (μg/L) ²	24.25	0.19	0.36	0.40	0.50	0.50	1.00	1.00	250.71	0.15
	COV	0.10	0.16	0.54	0.45	0.00	0.00	0.00	0.00	0.04	0.11
	Mann-Kendall S	4	9	-2	-2	0	0	-	-	3	5
	Mann-Kendall Var(S)	63.33	64.33	48.67	36.00	0.00	0.00	-	-	44.33	64.33
Mann-Kendall p-value	0.35	0.16	0.44	0.43	0.50	0.50	-	-	0.38	0.31	
MW-17D	Trend ¹	NO TREND	PROBABLY DECREASING, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	STABLE	NO TREND
	Mann-Kendall Confidence Level	80.7%	90.5%	50.0%	50.0%	50.0%	50.0%			81.6%	80.7%
	Max Concentration (μg/L) ²	2.8	0.5	0.5	0.5	0.5	0.5	1	1	292	0.02
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	8
	Start Date	9/24/2018	9/24/2018	9/24/2018	9/24/2018	9/24/2018	9/24/2018	12/8/2019	12/8/2019	9/24/2018	9/24/2018
	End Date	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	12/13/2020	12/13/2020	12/13/2020	3/19/2021
	Dataset Mean (μg/L) ²	2.33	0.45	0.50	0.50	0.50	0.50	1.00	1.00	265.71	0.01
	COV	0.15	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.16
	Mann-Kendall S	8	-7	0	0	0	0	-	-	-7	8
	Mann-Kendall Var(S)	65.33	21.00	0.00	0.00	0.00	0.00	-	-	44.33	65.33
Mann-Kendall p-value	0.19	0.10	0.50	0.50	0.50	0.50	-	-	0.18	0.19	
MW-17S	Trend ¹	INCREASING	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	STABLE	INCREASING
	Mann-Kendall Confidence Level	96.8%	50.0%	50.0%	50.0%	50.0%	50.0%			82.2%	96.8%
	Max Concentration (μg/L) ²	0.91	0.5	0.5	0.5	0.5	0.5	1	1	371	0.01
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	8
	Start Date	9/24/2018	9/24/2018	9/24/2018	9/24/2018	9/24/2018	9/24/2018	12/8/2019	12/8/2019	9/24/2018	9/24/2018
	End Date	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	12/11/2020	12/11/2020	12/11/2020	3/19/2021
	Dataset Mean (μg/L) ²	0.68	0.50	0.50	0.50	0.50	0.50	1.00	1.00	346.71	0.00
	COV	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.30
	Mann-Kendall S	16	0	0	0	0	0	-	-	-7	16
	Mann-Kendall Var(S)	65.33	0.00	0.00	0.00	0.00	0.00	-	-	42.33	65.33
Mann-Kendall p-value	0.03	0.50	0.50	0.50	0.50	0.50	-	-	0.18	0.03	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-18	Trend ¹	DECREASING	DECREASING	PROBABLY DECREASING	PROBABLY DECREASING	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	NO TREND	DECREASING
	Mann-Kendall Confidence Level	99.5%	99.4%	94.9%	91.3%	50.0%	50.0%			88.5%	99.5%
	Max Concentration (μg/L) ²	96	0.65	0.27	0.5	0.5	0.5	1	1	392	0.59
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	8
	Start Date	9/18/2018	9/18/2018	9/18/2018	9/18/2018	9/18/2018	9/18/2018	12/5/2019	12/5/2019	9/18/2018	9/18/2018
	End Date	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	12/14/2020	12/14/2020	12/14/2020	3/21/2021
	Dataset Mean (μg/L) ²	72.63	0.49	0.23	0.25	0.50	0.50	1.00	1.00	357.29	0.45
	COV	0.19	0.15	0.20	0.46	0.00	0.00	0.00	0.00	0.06	0.19
	Mann-Kendall S	-22	-21	-14	-12	0	0	-	-	9	-22
	Mann-Kendall Var(S)	65.33	64.33	63.33	65.33	0.00	0.00	-	-	44.33	65.33
Mann-Kendall p-value	0.00	0.01	0.05	0.09	0.50	0.50	-	-	0.11	0.00	
MW-19	Trend ¹	DECREASING	DECREASING	STABLE	STABLE	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	NO TREND	DECREASING
	Mann-Kendall Confidence Level	99.8%	99.4%	87.6%	55.0%	50.0%	50.0%			72.6%	99.5%
	Max Concentration (μg/L) ²	89	0.68	0.31	0.5	0.5	0.5	1	1	335	0.55
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	8
	Start Date	9/18/2018	9/18/2018	9/18/2018	9/18/2018	9/18/2018	9/18/2018	12/5/2019	12/5/2019	9/18/2018	9/18/2018
	End Date	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	12/14/2020	12/14/2020	12/14/2020	3/21/2021
	Dataset Mean (μg/L) ²	64.50	0.52	0.26	0.25	0.50	0.50	1.00	1.00	317.00	0.40
	COV	0.19	0.15	0.17	0.42	0.00	0.00	0.00	0.00	0.05	0.19
	Mann-Kendall S	-24	-21	-10	-2	0	0	-	-	5	-22
	Mann-Kendall Var(S)	63.33	64.33	60.67	63.33	0.00	0.00	-	-	44.33	65.33
Mann-Kendall p-value	0.00	0.01	0.12	0.45	0.50	0.50	-	-	0.27	0.00	
MW-20D	Trend ¹	STABLE	STABLE	STABLE	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	NO TREND	DECREASING
	Mann-Kendall Confidence Level	87.1%	87.6%	65.3%	50.0%	50.0%	50.0%			50.0%	96.0%
	Max Concentration (μg/L) ²	12	0.29	0.5	0.5	0.5	0.5	1	1	137	0.08
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	8
	Start Date	9/19/2018	9/19/2018	9/19/2018	9/19/2018	9/19/2018	9/19/2018	12/5/2019	12/5/2019	9/19/2018	9/19/2018
	End Date	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	12/15/2020	12/15/2020	12/15/2020	3/19/2021
	Dataset Mean (μg/L) ²	10.60	0.26	0.18	0.50	0.50	0.50	1.00	1.00	119.14	0.07
	COV	0.10	0.10	0.71	0.00	0.00	0.00	0.00	0.00	0.08	0.10
	Mann-Kendall S	-10	-10	-4	0	0	0	-	-	1	-15
	Mann-Kendall Var(S)	63.33	60.67	58.00	0.00	0.00	0.00	-	-	44.33	64.33
Mann-Kendall p-value	0.13	0.12	0.35	0.50	0.50	0.50	-	-	0.50	0.04	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-20S	Trend ¹	NO TREND	STABLE	NO TREND, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	STABLE	STABLE
	Mann-Kendall Confidence Level	54.9%	50.0%	80.9%	50.0%	50.0%	50.0%			50.0%	50.0%
	Max Concentration (μg/L) ²	5.4	0.5	0.5	0.5	0.5	0.5	1	1	115	0.03
	Results in dataset (total)	8	8	8	8	8	8	4	4	7	8
	Start Date	9/18/2018	9/18/2018	9/18/2018	9/18/2018	9/18/2018	9/18/2018	12/4/2019	12/4/2019	9/18/2018	9/18/2018
	End Date	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	12/14/2020	12/14/2020	12/14/2020	3/19/2021
	Dataset Mean (μg/L) ²	4.54	0.22	0.45	0.50	0.50	0.50	1.00	1.00	109.29	0.03
	COV	0.13	0.80	0.29	0.00	0.00	0.00	0.00	0.00	0.03	0.13
	Mann-Kendall S	2	-1	5	0	0	0	-	-	-1	0
	Mann-Kendall Var(S)	65.33	62.33	21.00	0.00	0.00	0.00	-	-	42.33	65.33
Mann-Kendall p-value	0.45	0.50	0.19	0.50	0.50	0.50	-	-	0.50	0.50	
MW-21	Trend ¹	PROBABLY DECREASING	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	STABLE	PROBABLY DECREASING
	Mann-Kendall Confidence Level	91.4%	50.0%	50.0%	50.0%	50.0%	50.0%			50.0%	91.4%
	Max Concentration (μg/L) ²	2	0.5	0.5	0.5	0.5	0.5	1	1	424	0.01
	Results in dataset (total)	7	7	7	7	7	7	3	3	6	7
	Start Date	9/20/2018	9/20/2018	9/20/2018	9/20/2018	9/20/2018	9/20/2018	6/18/2020	6/18/2020	9/20/2018	9/20/2018
	End Date	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	12/14/2020	12/14/2020	12/14/2020	3/16/2021
	Dataset Mean (μg/L) ²	1.66	0.50	0.50	0.50	0.50	0.50	1.00	1.00	360.83	0.01
	COV	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.22
	Mann-Kendall S	-10	0	0	0	0	0	-	-	-1	-10
	Mann-Kendall Var(S)	43.33	0.00	0.00	0.00	0.00	0.00	-	-	28.33	43.33
Mann-Kendall p-value	0.09	0.50	0.50	0.50	0.50	0.50	-	-	0.50	0.09	
MW-22	Trend ¹	STABLE	NO TREND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	STABLE, >50% ND	INSUFFICIENT DATA	INSUFFICIENT DATA	STABLE	STABLE
	Mann-Kendall Confidence Level	86.4%	83.0%	50.0%	50.0%	50.0%	50.0%			87.0%	85.6%
	Max Concentration (μg/L) ²	3.5	0.5	0.5	0.5	0.5	0.5	1	1	294	0.02
	Results in dataset (total)	7	7	7	7	7	7	3	3	6	7
	Start Date	9/20/2018	9/20/2018	9/20/2018	9/20/2018	9/20/2018	9/20/2018	6/17/2020	6/17/2020	9/20/2018	9/20/2018
	End Date	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	12/14/2020	12/14/2020	12/14/2020	3/21/2021
	Dataset Mean (μg/L) ²	2.94	0.28	0.50	0.50	0.50	0.50	1.00	1.00	284.67	0.02
	COV	0.11	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.12
	Mann-Kendall S	-8	7	0	0	0	0	-	-	-7	-8
	Mann-Kendall Var(S)	40.67	39.67	0.00	0.00	0.00	0.00	-	-	28.33	43.33
Mann-Kendall p-value	0.14	0.17	0.50	0.50	0.50	0.50	-	-	0.13	0.14	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-23A	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	2.7	4.5	329	0.25
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	3
	Start Date	10/19/2020	10/19/2020	10/19/2020	10/19/2020	10/19/2020	10/19/2020	10/19/2020	10/19/2020	10/19/2020	10/19/2020
	End Date	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021
	Dataset Mean (μg/L) ²	0.50	0.37	0.50	0.50	0.50	0.50	1.45	1.85	320.00	0.11
	COV	0.00	0.61	0.00	0.00	0.00	0.00	0.74	1.24	0.02	1.01
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	
MW-23B	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	208	0.02
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	2
	Start Date	10/20/2020	10/20/2020	10/20/2020	10/20/2020	10/20/2020	10/20/2020	10/20/2020	10/20/2020	10/20/2020	12/10/2020
	End Date	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	0.61	1.00	192.33	0.01
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.07	0.34
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	
MW-23C	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	14	4.5	63.4	0.61
	Results in dataset (total)	4	4	4	4	4	4	4	4	4	4
	Start Date	6/23/2020	6/23/2020	6/23/2020	6/23/2020	6/23/2020	6/23/2020	6/23/2020	6/23/2020	6/23/2020	6/23/2020
	End Date	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	4.62	2.16	60.13	0.24
	COV	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.94	0.07	1.08
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)	
MW-24	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	346	0.00	
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	1	
	Start Date	10/20/2020	10/20/2020	10/20/2020	10/20/2020	10/20/2020	10/20/2020	10/20/2020	10/20/2020	10/20/2020	10/20/2020	
	End Date	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	10/20/2020	
	Dataset Mean (μg/L) ²	0.42	0.50	0.50	0.50	0.50	0.50	1.00	1.00	323.00	0.00	
	COV	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06		
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-	
MW-25A	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	1.6	0.5	0.5	0.5	0.5	0.5	1	1	333	0.01	
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	3	
	Start Date	9/30/2020	9/30/2020	9/30/2020	9/30/2020	9/30/2020	9/30/2020	9/30/2020	9/30/2020	9/30/2020	9/30/2020	
	End Date	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	
	Dataset Mean (μg/L) ²	1.50	0.50	0.50	0.50	0.50	0.50	1.00	1.00	320.67	0.01	
	COV	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.12	
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-	
MW-25B	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	198	0.01	
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	1	
	Start Date	9/30/2020	9/30/2020	9/30/2020	9/30/2020	9/30/2020	9/30/2020	9/30/2020	9/30/2020	9/30/2020	3/21/2021	
	End Date	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	0.78	1.00	189.33	0.01	
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.04		
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-25C	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	1.1	0.5	0.5	0.5	0.5	0.5	1	1	90.4	0.03
	Results in dataset (total)	4	4	4	4	4	4	4	4	4	4
	Start Date	6/19/2020	6/19/2020	6/19/2020	6/19/2020	6/19/2020	6/19/2020	6/19/2020	6/19/2020	6/19/2020	6/19/2020
	End Date	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021
	Dataset Mean (μg/L) ²	0.92	0.50	0.50	0.50	0.50	0.50	0.72	0.85	85.20	0.03
	COV	0.16	0.00	0.00	0.00	0.00	0.00	0.30	0.36	0.07	0.21
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	
MW-26A	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level	96.0%	96.0%	96.0%	96.0%	96.0%	96.0%	96.0%	96.0%	96.0%	96.0%
	Max Concentration (μg/L) ²	0.5	0.21	0.5	0.5	0.5	0.5	1	1	402	0.00
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	3
	Start Date	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
	End Date	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021
	Dataset Mean (μg/L) ²	0.50	0.18	0.50	0.50	0.50	0.50	1.00	1.00	374.33	0.00
	COV	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.20
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
Mann-Kendall p-value	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
MW-26B	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	211	0.00
	Results in dataset (total)	3	3	3	3	3	3	2	2	2	0
	Start Date	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	12/16/2020	12/16/2020	12/16/2020	1/0/1900
	End Date	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	1/0/1900
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	1.00	1.00	200.00	
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)	
MW-26C	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	0.79	0.5	0.5	0.5	0.5	0.5	1	1	81.2	0.00	
	Results in dataset (total)	2	2	2	2	2	2	1	1	1	2	
	Start Date	12/17/2020	12/17/2020	12/17/2020	12/17/2020	12/17/2020	12/17/2020	3/18/2021	3/18/2021	3/18/2021	12/17/2020	
	End Date	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	
	Dataset Mean (μg/L) ²	0.60	0.50	0.50	0.50	0.50	0.50	1.00	1.00	81.20	0.00	
	COV	0.46	0.00	0.00	0.00	0.00	0.00				0.46	
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-
MW-26D	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	59.3	0.00	
	Results in dataset (total)	2	2	2	2	2	2	1	1	1	0	
	Start Date	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	3/18/2021	3/18/2021	3/18/2021	1/0/1900	
	End Date	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	1/0/1900	
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	1.00	1.00	59.30		
	COV	0.00	0.00	0.00	0.00	0.00	0.00					
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-
MW-27	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	0.5	0.15	0.5	0.5	0.5	0.5	1	1	459	0.00	
	Results in dataset (total)	4	4	4	4	4	4	4	4	4	4	
	Start Date	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	
	End Date	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	
	Dataset Mean (μg/L) ²	0.50	0.13	0.50	0.50	0.50	0.50	1.00	1.00	368.50	0.00	
	COV	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.15	
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-28	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	0.5	0.24	0.5	0.5	0.5	0.5	1	1	455	0.00
	Results in dataset (total)	4	4	4	4	4	4	4	4	4	4
	Start Date	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020
	End Date	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021	3/21/2021
	Dataset Mean (μg/L) ²	0.50	0.19	0.50	0.50	0.50	0.50	1.00	1.00	407.50	0.00
	COV	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.17
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	
MW-29A	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	11	0.18	0.5	0.5	0.5	0.5	1	1	235	0.07
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	3
	Start Date	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020
	End Date	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021
	Dataset Mean (μg/L) ²	10.53	0.17	0.50	0.50	0.50	0.50	1.00	1.00	211.00	0.06
	COV	0.08	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.07
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	
MW-29B	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level	96.0%	96.0%	96.0%	96.0%	96.0%	96.0%	96.0%	96.0%	96.0%	96.0%
	Max Concentration (μg/L) ²	0.56	0.5	0.5	0.5	0.5	0.5	1	1	372	0.02
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	3
	Start Date	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020
	End Date	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021
	Dataset Mean (μg/L) ²	0.53	0.50	0.50	0.25	0.50	0.50	1.00	0.79	260.67	0.01
	COV	0.09	0.00	0.00	0.89	0.00	0.00	0.00	0.46	0.37	0.81
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
Mann-Kendall p-value	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	

**Appendix G
Contaminant Persistence Supporting Information**

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)	
MW-29C	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	170	0.00	
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	0	
	Start Date	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	9/28/2020	1/0/1900
	End Date	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	1/0/1900
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	1.00	1.00	153.33		
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10		
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-	
MW-30C	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	0.4	0.5	0.5	0.5	0.5	0.5	0.65	1	324	0.05	
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	3	
	Start Date	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020
	End Date	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021
	Dataset Mean (μg/L) ²	0.37	0.50	0.50	0.50	0.50	0.50	0.55	0.92	280.33	0.03	
	COV	0.08	0.00	0.00	0.00	0.00	0.00	0.19	0.15	0.14	0.51	
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-	
MW-30RA	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	0.18	0.34	0.5	0.5	0.5	0.5	1	1	352	0.00	
	Results in dataset (total)	2	2	2	2	2	2	2	2	2	2	
	Start Date	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020
	End Date	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021
	Dataset Mean (μg/L) ²	0.18	0.32	0.50	0.50	0.50	0.50	1.00	1.00	326.50	0.00	
	COV	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.08	
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-30RB	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	0.5	0.19	0.5	0.5	0.5	0.5	1	1	350	0.00
	Results in dataset (total)	2	2	2	2	2	2	2	2	2	2
	Start Date	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020	12/8/2020
	End Date	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021
	Dataset Mean (μg/L) ²	0.50	0.19	0.50	0.50	0.50	0.50	1.00	1.00	313.00	0.00
	COV	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.04
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	
MW-31A	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	0.73	0.5	0.5	0.5	0.5	0.5	1	1	190	0.00
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	3
	Start Date	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020
	End Date	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021
	Dataset Mean (μg/L) ²	0.61	0.50	0.50	0.50	0.50	0.50	1.00	1.00	166.67	0.00
	COV	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.18
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	
MW-31B	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	142	0.00
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	0
	Start Date	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	1/0/1900
	End Date	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	1/0/1900
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	1.00	1.00	131.67	
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-31C	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1.5	8.8	85.5	0.35
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	3
	Start Date	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020
	End Date	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	1.03	4.80	84.53	0.20
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.72	0.02	0.66
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	
MW-32A	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	0.64	0.5	0.5	0.5	0.5	0.5	1	1	247	0.00
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	3
	Start Date	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020
	End Date	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021
	Dataset Mean (μg/L) ²	0.51	0.50	0.50	0.50	0.50	0.50	1.00	1.00	218.33	0.00
	COV	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.21
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	
MW-32B	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	0.44	0.5	0.5	0.5	0.5	0.5	1	1	106	0.00
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	3
	Start Date	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020
	End Date	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021
	Dataset Mean (μg/L) ²	0.37	0.50	0.50	0.50	0.50	0.50	1.00	1.00	102.67	0.00
	COV	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.18
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-32C	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	66.1	0.02
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	2
	Start Date	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020
	End Date	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	12/10/2020
	Dataset Mean (μg/L) ²	0.42	0.50	0.50	0.50	0.50	0.50	0.89	1.00	62.27	0.01
	COV	0.33	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.06	1.24
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-
MW-34A	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	36	0.66	0.5	0.5	0.5	0.5	1	1	171	0.22
	Results in dataset (total)	3	3	3	3	3	3	2	2	2	3
	Start Date	10/1/2020	10/1/2020	10/1/2020	10/1/2020	10/1/2020	10/1/2020	12/15/2020	12/15/2020	12/15/2020	10/1/2020
	End Date	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021
	Dataset Mean (μg/L) ²	23.23	0.48	0.35	0.50	0.50	0.50	1.00	1.00	164.00	0.15
	COV	0.74	0.56	0.38	0.00	0.00	0.00	0.00	0.00	0.06	0.74
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-
MW-34B	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	16	0.49	0.5	0.5	0.5	0.5	1	2.9	154	0.21
	Results in dataset (total)	3	3	3	3	3	3	2	2	2	3
	Start Date	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020
	End Date	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021
	Dataset Mean (μg/L) ²	11.93	0.43	0.45	0.50	0.50	0.50	0.79	1.95	143.00	0.12
	COV	0.45	0.12	0.17	0.00	0.00	0.00	0.39	0.69	0.11	0.70
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)	
MW-34C	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	39.3	0.02	
	Results in dataset (total)	3	3	3	3	3	3	2	2	2	1	
	Start Date	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	
	End Date	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	9/27/2020	
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	1.00	0.87	35.00	0.02	
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.17		
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-	
MW-34D	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	48.2	0.03	
	Results in dataset (total)	3	3	3	3	3	3	3	3	3	2	
	Start Date	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	9/27/2020	12/13/2020	
	End Date	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	3/19/2021	
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	0.74	1.00	46.90	0.02	
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.04	0.61	
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-	
MW-36	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	225	0.00	
	Results in dataset (total)	2	2	2	2	2	2	2	2	2	1	
	Start Date	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	
	End Date	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	3/16/2021	12/14/2020	
	Dataset Mean (μg/L) ²	0.39	0.50	0.50	0.50	0.50	0.50	1.00	1.00	205.50	0.00	
	COV	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13		
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-	

Appendix G
Contaminant Persistence Supporting Information

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)	
MW-37D	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	295	0	
	Results in dataset (total)	2	2	2	2	2	2	2	2	2	0	
	Start Date	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	1/0/1900	
	End Date	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	1/0/1900	
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	1.00	1.00	283.50		
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06		
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-	
MW-37S	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	451	0	
	Results in dataset (total)	2	2	2	2	2	2	2	2	2	0	
	Start Date	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	1/0/1900	
	End Date	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	1/0/1900	
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	1.00	1.00	405.50		
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16		
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-	
MW-38D	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	
	Mann-Kendall Confidence Level											
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	173	0	
	Results in dataset (total)	2	2	2	2	2	2	2	2	2	0	
	Start Date	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	1/0/1900	
	End Date	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	1/0/1900	
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	1.00	1.00	164.50		
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07		
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-	-
Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-	-	

**Appendix G
Contaminant Persistence Supporting Information**

Well	COC	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	Vinyl Chloride	Ethene	Ethane	Chloride (mg/L)	Total Molar Concentration (μmol/L)
MW-38S	Trend ¹	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA	INSUFFICIENT DATA
	Mann-Kendall Confidence Level										
	Max Concentration (μg/L) ²	0.5	0.5	0.5	0.5	0.5	0.5	1	1	257	0
	Results in dataset (total)	2	2	2	2	2	2	2	2	2	0
	Start Date	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	1/0/1900
	End Date	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	3/17/2021	1/0/1900
	Dataset Mean (μg/L) ²	0.50	0.50	0.50	0.50	0.50	0.50	1.00	1.00	246.00	
	COV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	
	Mann-Kendall S	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall Var(S)	-	-	-	-	-	-	-	-	-	-
	Mann-Kendall p-value	-	-	-	-	-	-	-	-	-	-

Abbreviations

1,1-DCE - 1,1-Dichloroethene	mg/L - milligrams per liter
μg/L - microgram per liter	MK - Mann-Kendall
μmol/L - micromole per liter	ND - non-detect
cis-1,2-DCE - Cis-1,2-Dichloroethene	PCE - Tetrachloroethene
COC - chemical of concern	p-value - the probability of S
COV - coefficient of variation	TCE - Trichloroethene
Mann-Kendall S - MK test statistic	trans-1,2-DCE - Trans-1,2-Dichloroethene
MCL - maximum contaminant level	Var - variance

Notes

¹Trend was analyzed with the MK statistical test for datasets containing 6 or more data points. The trend result is based on the Mann-Kendall S, CF, and COV as follows:

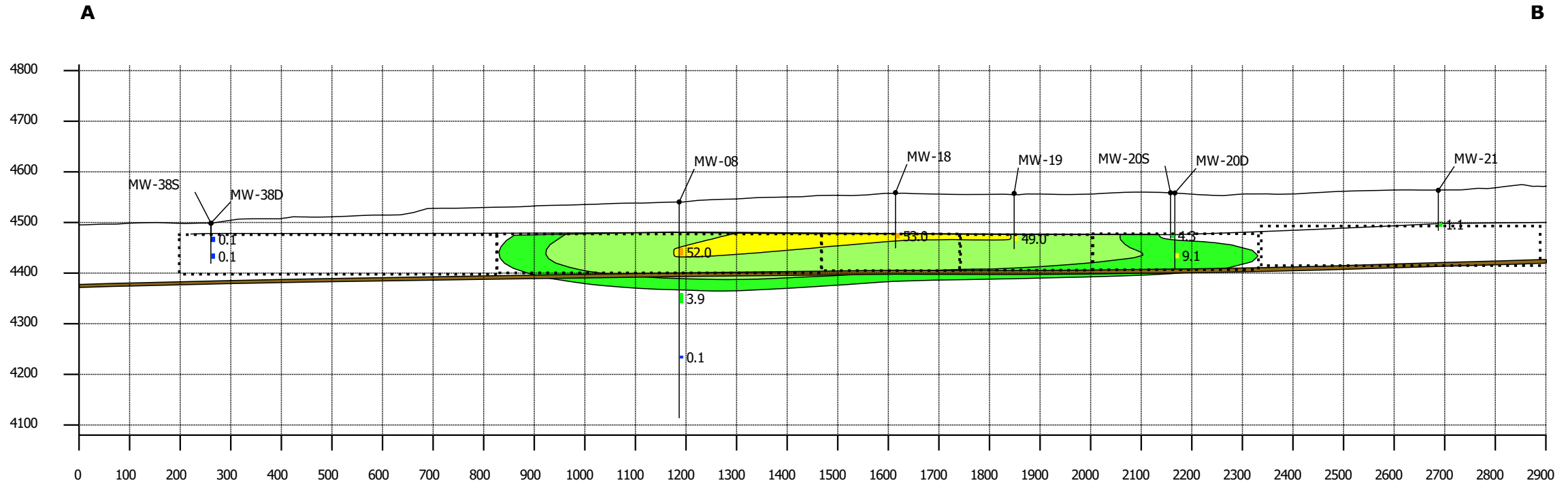
- *Increasing (S greater than 0, CF > 95%)*
- *Probably Increasing (S greater than 0, CF between or equal to 95% and 90%)*
- *No Trend (S greater than 0, CF less than 90%)*
- *Stable (if S is less than or equal to zero and COV less than 1)*
- *Probably Decreasing (S less than 0, CF between or equal to 95% and 90%)*
- *Decreasing (S less than 0, CF greater than 95%)*

²Statistical analysis trend results are reported in units of μg/L, except for chloride, where units are mg/L, and total molar concentration, where units are μmol/L.

Statistical analysis trends where more than 50% of results were non-detects are in black font.

Statistical analysis trends with the majority of the results analyzed above the detection limit are in white font.

1400 East Fence



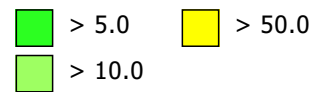
Location

A: 1541357, 7444042

B: 1543218, 7442148

Legend

PCE_GW+SW_Most_Recent



GM-DYN Model



PCE_LF

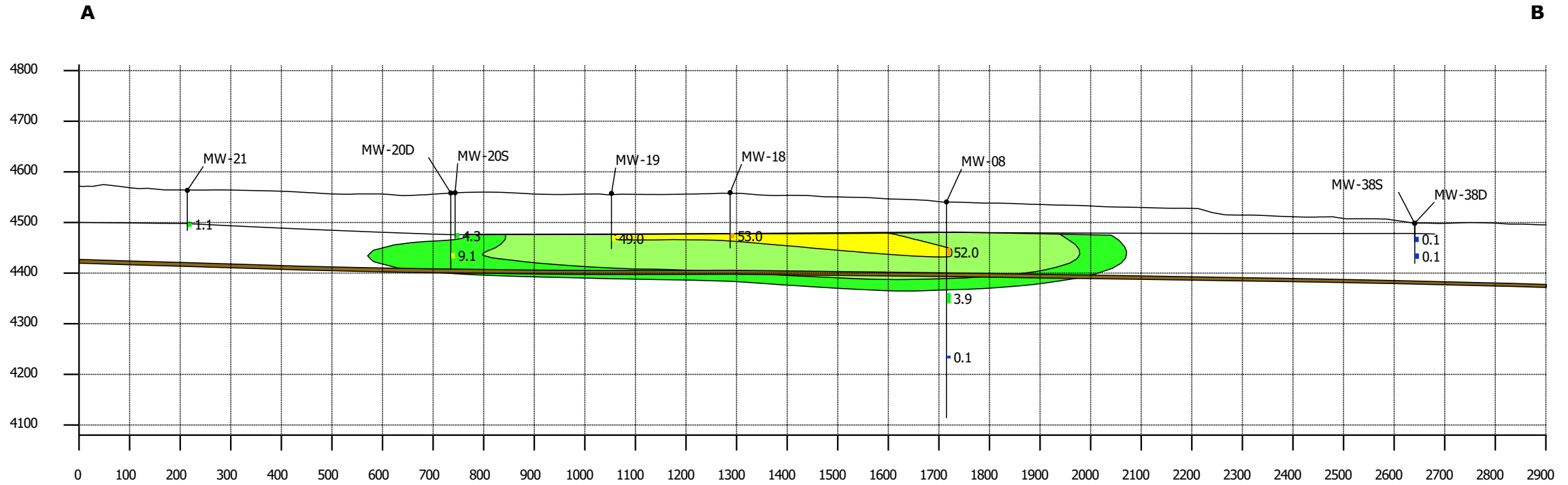


Scale: 1:3,100

Vertical exaggeration: 1x



1400 East Fence



Location

A: 1543218, 7442148

B: 1541357, 7444042

Legend

PCE_GW+SW_Most_Recent

- > 5.0
- > 50.0
- > 10.0

GM-DYN Model

- Clay/Silt Layer

PCE_LF

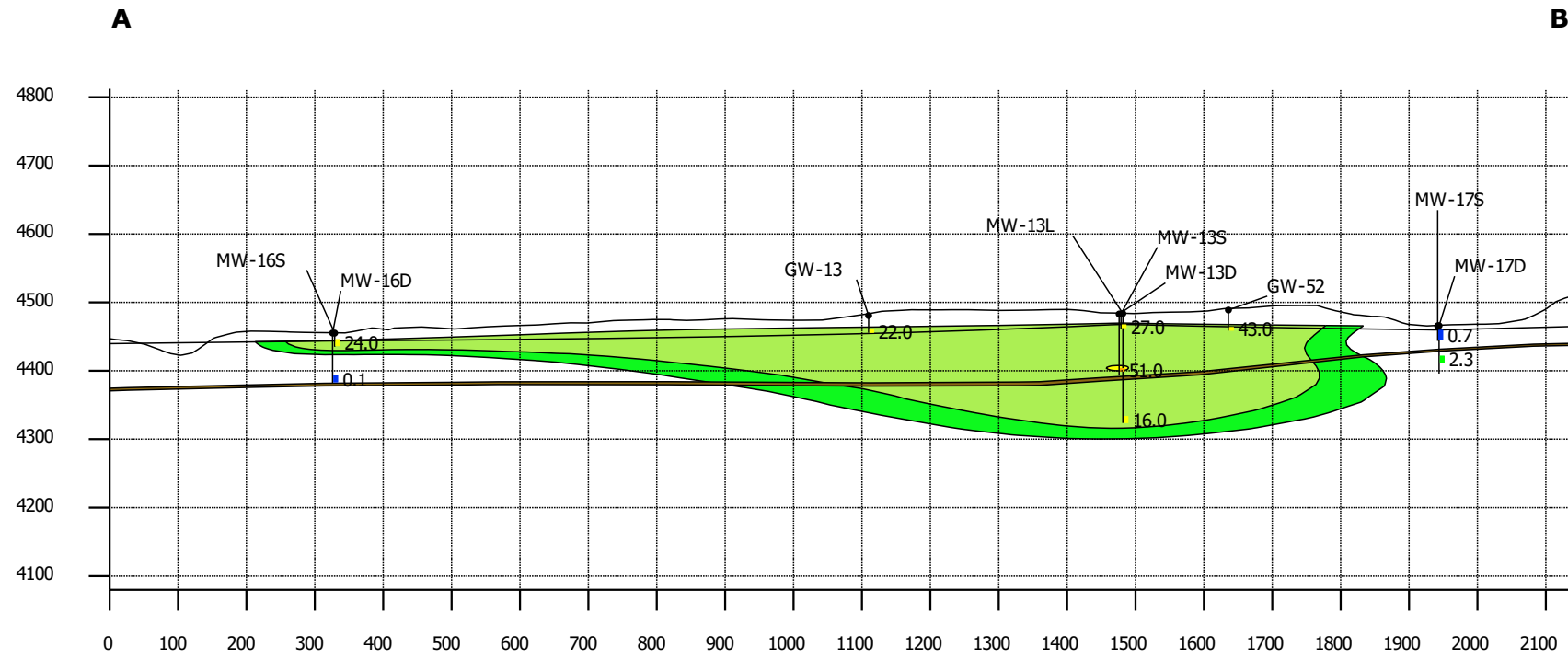
- < 1
- < 100
- < 5
- ≥ 100
- < 50

Scale: 1:3,100

Vertical exaggeration: 1x



Eastside Springs Fence



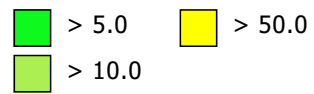
Location

A: 1540980, 7443304

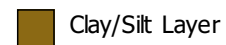
B: 1542302, 7441630

Legend

PCE_GW+SW_Most_Recent



GM-DYN Model



PCE_LF

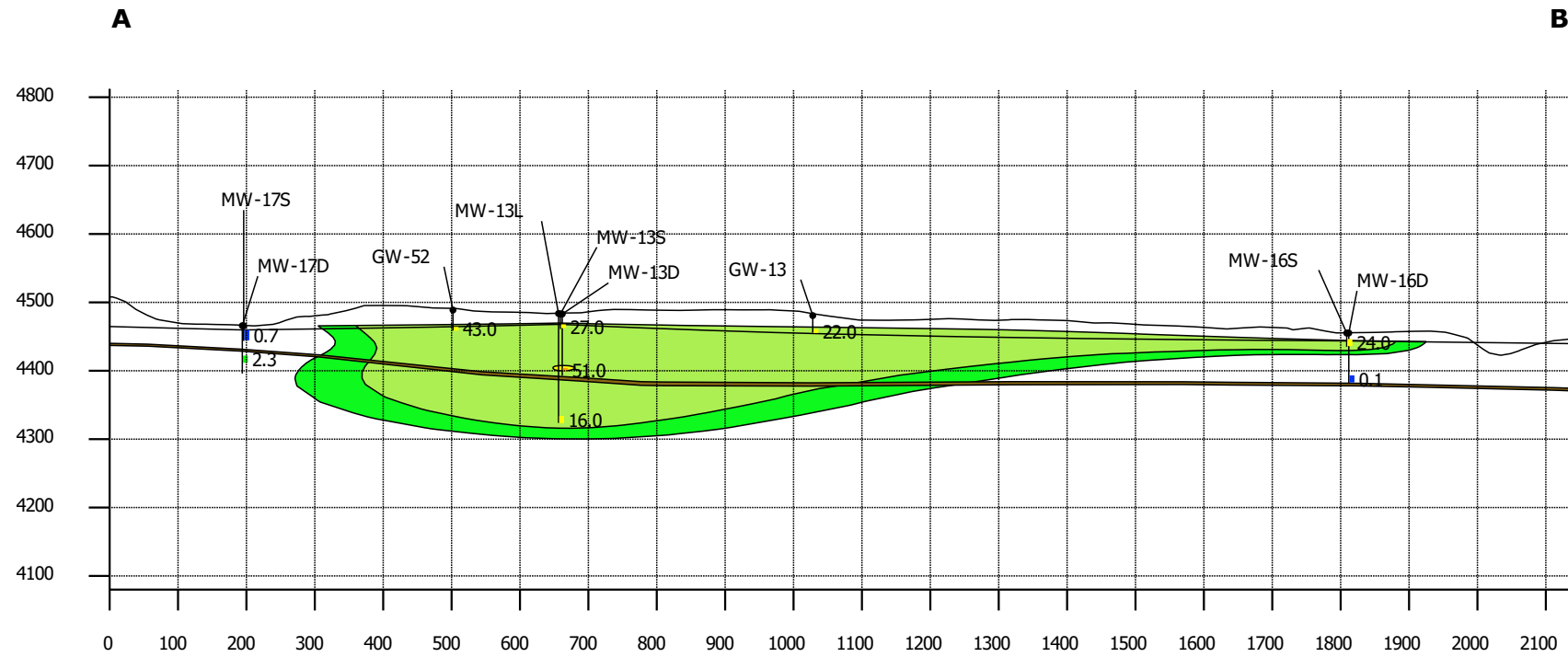


Scale: 1:3,100

Vertical exaggeration: 1x



Eastside Springs Fence



Location

A: 1542302, 7441630

B: 1540980, 7443304

Legend

PCE_GW+SW_Most_Recent

- > 5.0
- > 50.0
- > 10.0

GM-DYN Model

- Clay/Silt Layer

PCE_LF

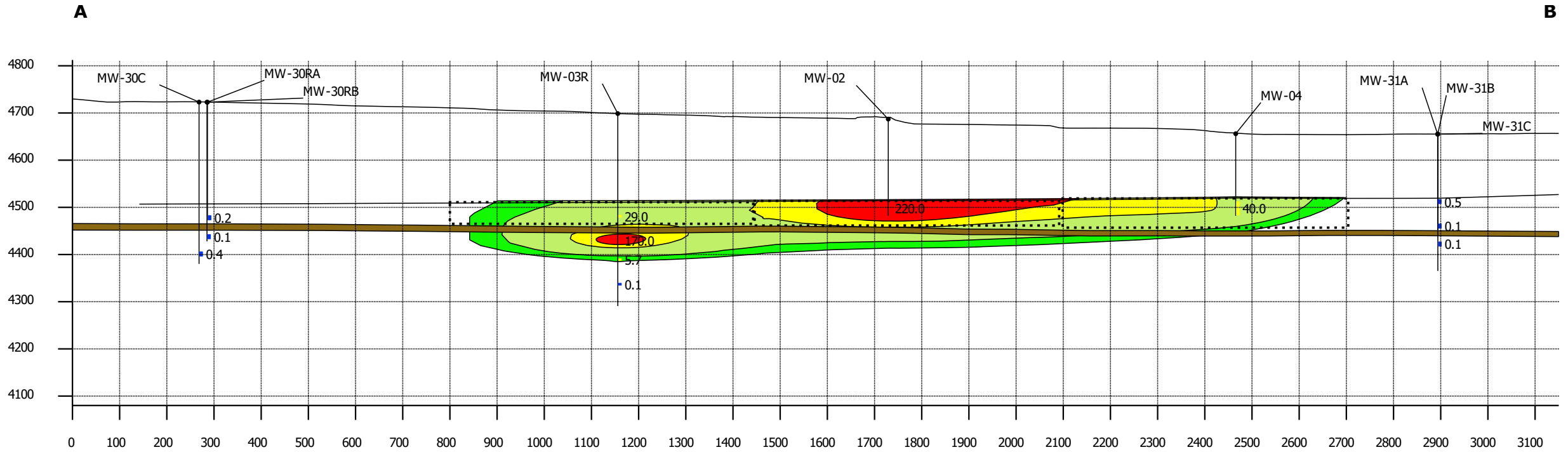
- < 1
- < 5
- < 50
- < 100
- ≥ 100

Scale: 1:3,100

Vertical exaggeration: 1x



Guardsman Way Fence



Location

A: 1545428, 7445342

B: 1545460, 7442280

Legend

PCE_GW+SW_Most_Recent



GM-DYN Model



PCE_LF

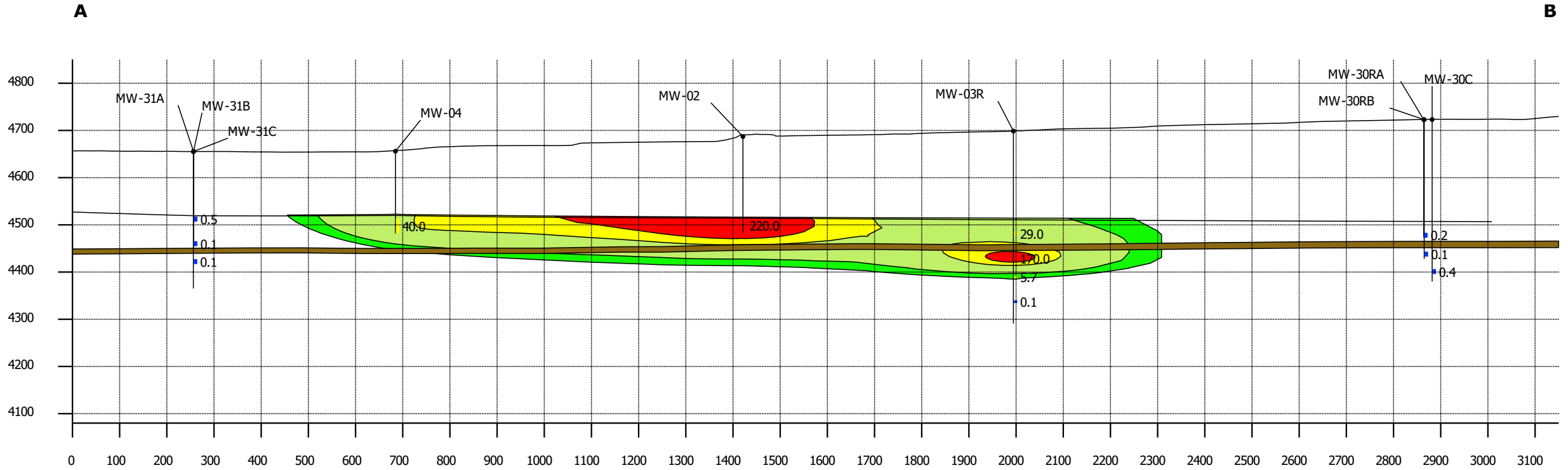


Scale: 1:3,100

Vertical exaggeration: 1x



Guardsman Way Fence



Location

A: 1545460, 7442280

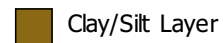
B: 1545428, 7445342

Legend

PCE_GW+SW_Most_Recent



GM-DYN Model



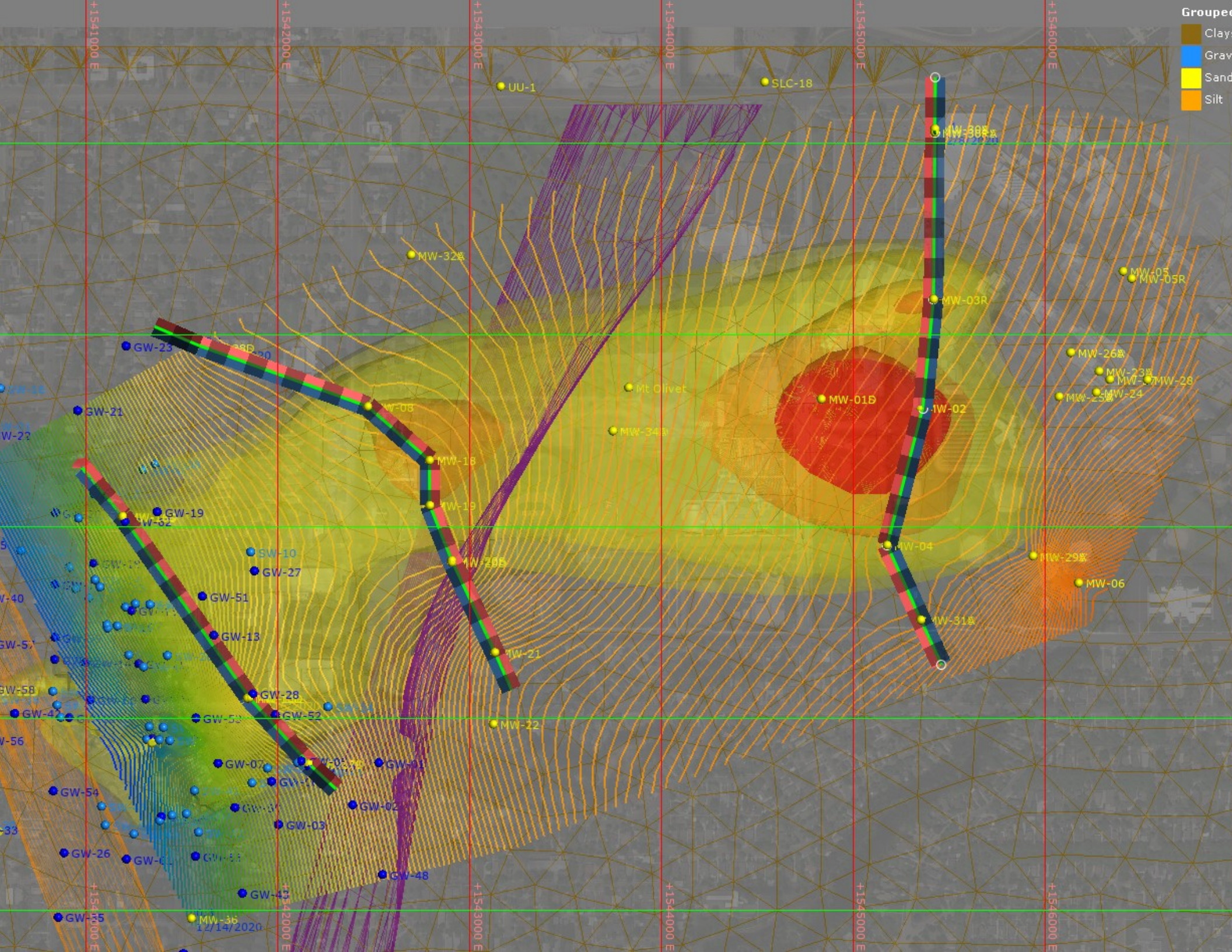
PCE_LF



Scale: 1:3,100

Vertical exaggeration: 1x

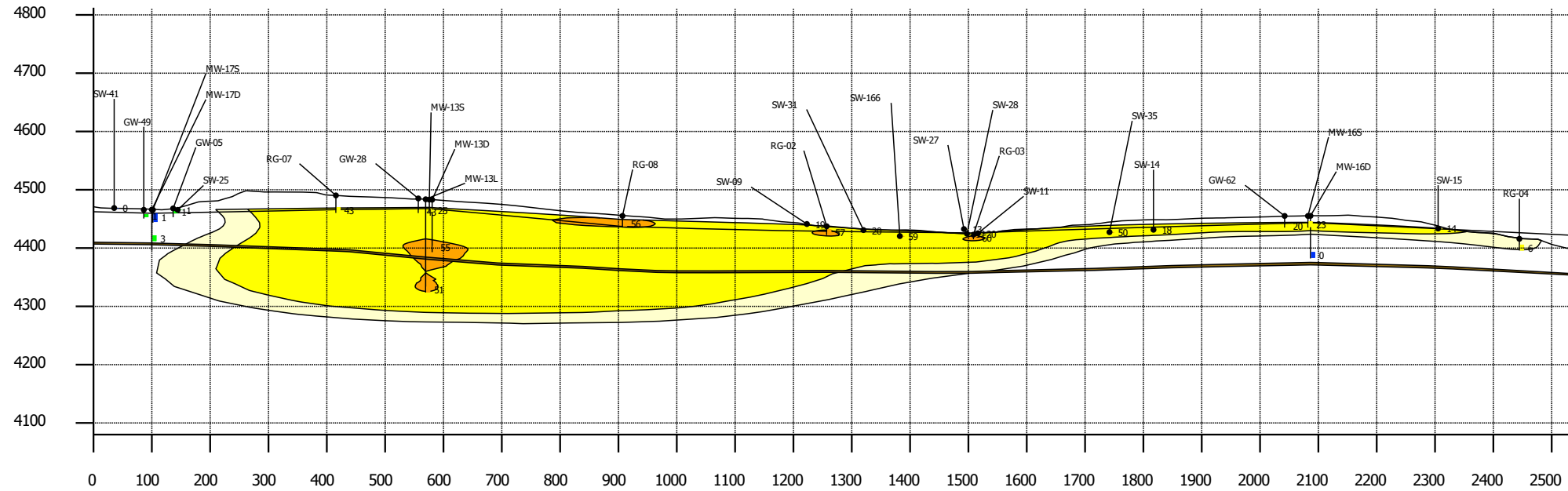




Eastside Springs Fence-revised

Southeast

Northwest



Legend

PCE_GW+SW_Most_Recent

GW=RG Filtered + Control

- > 5.0
- > 10.0
- > 50.0

PCE_LF

- < 1
- < 5
- < 50
- < 100
- ≥ 100

Aquitard

- Clay/Silt Layer

Location

Southeast: 1542233, 7441694

Northwest: 1540739, 7443066

Scale: 1:3,100

Vertical exaggeration: 1x

0ft

1000ft



Viewing Angle

