

ATTACHMENT X
MANN-KENDALL STATISTICAL ANALYSIS SUMMARIES AND
CONCENTRATION TREND CHARTS

Attachment X
Mann-Kendall Statistical Analysis Summaries

CLF-1 (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	1.17	0.70	6.33	59.14	0.40	0.60	0.65	0.57
UCL	1.27	0.70	7.83	66.48	0.40	0.60	0.85	0.66
Median	1.14	0.70	6.37	58.45	0.40	0.60	0.64	0.51
Standard Deviation	0.15	0.0000000000000012	2.24	10.96	0.0000000000000006	0.00	0.31	0.13
Coefficient of Variation	0.13	0.00000000000000017	0.35	0.19	0.00000000000000015	0.00	0.48	0.23
Skewness	0.80	-1.25	0.19	-0.73	1.25	--	0.06	2.09
Minimum	1.02	0.70	2.77	38.20	0.40	0.60	0.20	0.45
Maximum	1.45	0.70	10.10	74.00	0.40	0.60	1.11	0.87
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	-9	0	-18	8	0	0	6	3
80% confidence	Negative Trend	No Trend	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0001	0.0000	-0.004	0.010	0.0000	0.0000	0.0003	0.0000

CLF-15A (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	4.87	0.70	16.10	--	0.46	0.60	8.29	0.51
UCL	5.64	0.70	18.56	--	0.56	0.60	10.14	0.51
Median	4.64	0.70	15.15	--	0.40	0.60	7.32	0.50
Standard Deviation	1.15	0.0000000000000012	3.67	--	0.15	0.00	2.76	0.01
Coefficient of Variation	0.24	0.00000000000000017	0.23	--	0.32	0.00	0.33	0.03
Skewness	1.87	-1.25	0.63	--	1.82	--	0.91	2.83
Minimum	3.47	0.70	11.60	--	0.34	0.60	5.36	0.50
Maximum	7.48	0.70	22.10	--	0.78	0.60	13.30	0.54
Count (n)	8	8	8	--	8	8	8	8
Mann-Kendall S	4	0	-20	--	-8	0	-20	-1
80% confidence	No Trend	No Trend	Negative Trend	--	Negative Trend	No Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	Negative Trend	No Trend
99% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	Negative Trend	No Trend
Sen Slope	0.0002	0.0000	-0.008	--	0.0000	0.0000	-0.005	0.0000

CLF-S1 (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	0.60	0.70	0.40	--	0.40	0.60	0.40	0.50
UCL	0.60	0.70	0.40	--	0.40	0.60	0.40	0.50
Median	0.60	0.70	0.40	--	0.40	0.60	0.40	0.50
Standard Deviation	0.00	0.0000000000000012	0.0000000000000006	--	0.0000000000000006	0.00	0.0000000000000006	0.00
Coefficient of Variation	0.00	0.00000000000000017	0.00000000000000015	--	0.00000000000000015	0.00	0.00000000000000015	0.00
Skewness	--	-1.25	1.25	--	1.25	--	1.25	--
Minimum	0.60	0.70	0.40	--	0.40	0.60	0.40	0.50
Maximum	0.60	0.70	0.40	--	0.40	0.60	0.40	0.50
Count (n)	8	8	8	--	8	8	8	8
Mann-Kendall S	0	0	0	--	0	0	0	0
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	0.0000	0.0000

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CLF-S3 (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	0.66	0.70	0.41	--	0.40	0.60	0.40	0.50
UCL	0.71	0.70	0.48	--	0.40	0.60	0.40	0.50
Median	0.64	0.70	0.40	--	0.40	0.60	0.40	0.50
Standard Deviation	0.07	0.0000000000000012	0.10	--	0.0000000000000006	0.00	0.0000000000000006	0.00
Coefficient of Variation	0.11	0.00000000000000017	0.25	--	0.00000000000000015	0.00	0.00000000000000015	0.00
Skewness	1.18	-1.25	1.13	--	1.25	--	1.25	--
Minimum	0.60	0.70	0.25	--	0.40	0.60	0.40	0.50
Maximum	0.80	0.70	0.63	--	0.40	0.60	0.40	0.50
Count (n)	8	8	8	--	8	8	8	8
Mann-Kendall S	7	0	7	--	0	0	0	0
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0001	0.0000	0.0000	--	0.0000	0.0000	0.0000	0.0000

MW-1B (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	8.21	0.70	10.24	18.04	0.36	0.48	1.14	2.59
UCL	9.68	0.70	12.30	24.00	0.41	0.57	1.46	3.05
Median	8.58	0.70	9.98	12.60	0.40	0.50	1.14	2.78
Standard Deviation	2.19	0.0000000000000012	3.06	8.90	0.08	0.13	0.48	0.69
Coefficient of Variation	0.27	0.00000000000000017	0.30	0.49	0.23	0.28	0.43	0.27
Skewness	-0.01	-1.25	0.44	0.83	-1.44	-0.18	0.06	-0.68
Minimum	4.66	0.70	5.40	10.40	0.22	0.31	0.46	1.33
Maximum	11.90	0.70	15.90	31.10	0.40	0.60	1.75	3.50
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	-14	0	-16	-7	7	16	-22	-10
80% confidence	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Positive Trend	Negative Trend	Negative Trend
90% confidence	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Positive Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	Positive Trend	Negative Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend
Sen Slope	-0.003	0.0000	-0.004	-0.002	0.0000	0.0002	-0.0010	-0.001

MW-1C (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	16.26	0.64	21.13	30.46	0.44	0.58	1.58	4.85
UCL	17.28	0.75	23.08	34.55	0.50	0.63	1.97	5.31
Median	16.10	0.70	20.70	30.95	0.40	0.60	1.49	4.82
Standard Deviation	1.51	0.16	2.91	6.11	0.10	0.07	0.58	0.69
Coefficient of Variation	0.09	0.25	0.14	0.20	0.23	0.12	0.36	0.14
Skewness	0.51	-2.83	0.92	-1.61	2.28	-0.11	1.02	0.47
Minimum	14.20	0.25	17.70	17.20	0.35	0.46	0.93	3.74
Maximum	18.80	0.70	26.60	36.50	0.67	0.70	2.66	6.16
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	-10	7	-20	8	-8	13	-27	-4
80% confidence	Negative Trend	No Trend	Negative Trend	Positive Trend	Negative Trend	Positive Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	Positive Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend
99% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend
Sen Slope	-0.002	0.0000	-0.005	0.002	0.0000	0.0000	-0.001	-0.0003

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MW-1D (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	1.04	0.70	11.91	20.66	0.40	0.60	0.40	3.16
UCL	1.22	0.70	14.60	22.15	0.40	0.60	0.42	4.09
Median	0.98	0.70	11.35	20.35	0.40	0.60	0.40	3.26
Standard Deviation	0.27	0.0000000000000012	4.02	2.22	0.0000000000000006	0.00	0.02	1.39
Coefficient of Variation	0.26	0.0000000000000017	0.34	0.11	0.0000000000000015	0.00	0.05	0.44
Skewness	0.10	-1.25	-0.05	0.26	1.25	--	1.32	1.01
Minimum	0.70	0.70	5.72	17.20	0.40	0.60	0.37	1.45
Maximum	1.41	0.70	17.40	24.50	0.40	0.60	0.45	5.94
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	-19	0	-18	4	0	0	1	-12
80% confidence	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend
90% confidence	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend
95% confidence	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0005	0.0000	-0.008	0.0006	0.0000	0.0000	0.0000	-0.001

MW-1E (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	2.84	0.70	23.69	3.13	0.40	0.60	3.02	3.02
UCL	3.12	0.70	27.45	3.36	0.40	0.60	3.32	5.05
Median	2.86	0.70	21.75	3.00	0.40	0.60	3.11	2.05
Standard Deviation	0.42	0.0000000000000012	5.62	0.35	0.0000000000000006	0.00	0.45	3.04
Coefficient of Variation	0.15	0.0000000000000017	0.24	0.11	0.0000000000000015	0.00	0.15	1.01
Skewness	0.03	-1.25	0.71	2.83	1.25	--	-0.38	1.21
Minimum	2.13	0.70	16.20	3.00	0.40	0.60	2.30	0.50
Maximum	3.57	0.70	32.00	4.00	0.40	0.60	3.68	8.50
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	7	0	13	5	0	0	11	14
80% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	Positive Trend	Positive Trend
90% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	Positive Trend	Positive Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0003	0.0000	0.006	0.0000	0.0000	0.0000	0.0003	0.004

MW-1F (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	2.27	0.70	11.57	3.13	0.40	0.60	1.59	1.54
UCL	2.91	0.70	18.81	3.36	0.40	0.60	1.99	3.51
Median	1.97	0.70	9.02	3.00	0.40	0.60	1.40	0.50
Standard Deviation	0.95	0.0000000000000012	10.82	0.35	0.0000000000000006	0.00	0.61	2.94
Coefficient of Variation	0.42	0.0000000000000017	0.93	0.11	0.0000000000000015	0.00	0.38	1.91
Skewness	2.56	-1.25	1.93	2.83	1.25	--	2.44	2.81
Minimum	1.63	0.70	3.56	3.00	0.40	0.60	1.15	0.29
Maximum	4.57	0.70	35.90	4.00	0.40	0.60	3.04	8.81
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	1	0	11	5	0	0	8	17
80% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	Positive Trend	Positive Trend
90% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.012	0.0000	0.0000	0.0000	0.0002	0.0005

Attachment X
Mann-Kendall Statistical Analysis Summaries

MW-1G (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	4.14	0.70	16.71	3.19	0.40	0.60	2.51	2.64
UCL	4.45	0.70	20.02	4.96	0.40	0.60	2.90	3.71
Median	4.34	0.70	17.50	2.00	0.40	0.60	2.57	2.61
Standard Deviation	0.46	0.0000000000000012	4.93	2.64	0.0000000000000006	0.00	0.59	1.60
Coefficient of Variation	0.11	0.00000000000000017	0.30	0.83	0.00000000000000015	0.00	0.23	0.61
Skewness	-0.40	-1.25	-1.07	2.49	1.25	--	0.12	0.79
Minimum	3.53	0.70	6.70	2.00	0.40	0.60	1.73	1.00
Maximum	4.71	0.70	23.50	9.50	0.40	0.60	3.45	5.65
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	4	0	8	13	0	0	-4	0
80% confidence	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0001	0.0000	0.003	0.0000	0.0000	0.0000	-0.0006	-0.0001

MW-1H (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	2.20	0.70	10.85	3.13	0.40	0.60	1.64	1.56
UCL	2.92	0.70	17.11	3.36	0.40	0.60	2.41	3.06
Median	1.79	0.70	7.04	3.00	0.40	0.60	1.25	0.49
Standard Deviation	1.17	0.00000000000000012	9.35	0.35	0.0000000000000006	0.00	1.16	2.25
Coefficient of Variation	0.53	0.00000000000000017	0.86	0.11	0.00000000000000015	0.00	0.71	1.44
Skewness	0.35	-1.25	1.79	2.83	1.25	--	1.69	1.70
Minimum	0.60	0.70	2.48	3.00	0.40	0.60	0.40	0.25
Maximum	4.18	0.70	31.40	4.00	0.40	0.60	4.13	6.14
Count (n)	9	8	8	8	8	8	8	8
Mann-Kendall S	13	0	12	5	0	0	6	25
80% confidence	Positive Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
90% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
Sen Slope	0.002	0.0000	0.007	0.0000	0.0000	0.0000	0.0002	0.0005

MW-1I (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	0.60	0.70	0.40	3.13	0.40	0.60	0.40	0.50
UCL	0.60	0.70	0.40	3.36	0.40	0.60	0.40	0.50
Median	0.60	0.70	0.40	3.00	0.40	0.60	0.40	0.50
Standard Deviation	0.00	0.00000000000000012	0.0000000000000006	0.35	0.0000000000000006	0.00	0.0000000000000006	0.00
Coefficient of Variation	0.00	0.00000000000000017	0.00000000000000015	0.11	0.00000000000000015	0.00	0.00000000000000015	0.00
Skewness	--	-1.25	1.25	2.83	1.25	--	1.25	--
Minimum	0.60	0.70	0.40	3.00	0.40	0.60	0.40	0.50
Maximum	0.60	0.70	0.40	4.00	0.40	0.60	0.40	0.50
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	0	0	0	5	0	0	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Mann-Kendall Statistical Analysis Summaries

MW-20 (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	0.60	0.70	0.40	0.68	0.40	0.60	0.40	0.50
UCL	0.60	0.70	0.40	1.58	0.40	0.60	0.40	0.50
Median	0.60	0.70	0.40	0.20	0.40	0.60	0.40	0.50
Standard Deviation	0.00	0.0000000000000012	0.0000000000000006	1.34	0.0000000000000006	0.00	0.0000000000000006	0.00
Coefficient of Variation	0.00	0.00000000000000017	0.00000000000000015	1.99	0.00000000000000015	0.00	0.00000000000000015	0.00
Skewness	--	-1.25	1.25	2.83	1.25	--	1.25	--
Minimum	0.60	0.70	0.40	0.20	0.40	0.60	0.40	0.50
Maximum	0.60	0.70	0.40	4.00	0.40	0.60	0.40	0.50
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	0	0	0	5	0	0	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MW-2B (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	4.28	0.70	5.24	25.53	0.38	0.60	1.62	0.69
UCL	4.82	0.70	5.69	32.34	0.41	0.60	1.83	0.80
Median	4.32	0.70	5.18	19.50	0.40	0.60	1.60	0.73
Standard Deviation	0.81	0.0000000000000012	0.67	10.17	0.05	0.00	0.31	0.15
Coefficient of Variation	0.19	0.00000000000000017	0.13	0.40	0.13	0.00	0.19	0.22
Skewness	0.09	-1.25	0.31	0.82	-2.64	--	-0.21	-0.24
Minimum	3.13	0.70	4.49	16.00	0.26	0.60	1.15	0.50
Maximum	5.55	0.70	6.24	40.20	0.40	0.60	1.98	0.87
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	-22	0	-12	16	17	0	-19	-24
80% confidence	Negative Trend	No Trend	Negative Trend	Positive Trend	Positive Trend	No Trend	Negative Trend	Negative Trend
90% confidence	Negative Trend	No Trend	Negative Trend	Positive Trend	Positive Trend	No Trend	Negative Trend	Negative Trend
95% confidence	Negative Trend	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	Negative Trend	Negative Trend
99% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend
Sen Slope	-0.002	0.0000	-0.001	0.006	0.0000	0.0000	-0.0006	-0.0003
MW-3 (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	0.60	0.70	0.40	3.15	0.40	0.60	0.40	0.50
UCL	0.60	0.70	0.40	3.74	0.40	0.60	0.40	0.50
Median	0.60	0.70	0.40	3.25	0.40	0.60	0.40	0.50
Standard Deviation	0.00	0.0000000000000012	0.0000000000000006	0.89	0.0000000000000006	0.00	0.0000000000000006	0.00
Coefficient of Variation	0.00	0.00000000000000017	0.00000000000000015	0.28	0.00000000000000015	0.00	0.00000000000000015	0.00
Skewness	--	-1.25	1.25	0.11	1.25	--	1.25	--
Minimum	0.60	0.70	0.40	2.00	0.40	0.60	0.40	0.50
Maximum	0.60	0.70	0.40	4.60	0.40	0.60	0.40	0.50
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	0	0	0	5	0	0	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000

Attachment X
Mann-Kendall Statistical Analysis Summaries

MW-3A (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	0.56	0.70	1.41	52.84	0.40	0.60	0.38	0.48
UCL	0.61	0.70	2.28	89.81	0.40	0.60	0.42	0.53
Median	0.60	0.70	0.69	43.70	0.40	0.60	0.40	0.50
Standard Deviation	0.07	0.0000000000000012	1.30	55.17	0.0000000000000006	0.00	0.06	0.07
Coefficient of Variation	0.13	0.00000000000000017	0.93	1.04	0.00000000000000015	0.00	0.17	0.15
Skewness	-1.49	-1.25	0.92	0.23	1.25	--	-2.83	-2.77
Minimum	0.43	0.70	0.40	2.00	0.40	0.60	0.22	0.30
Maximum	0.60	0.70	3.70	130.00	0.40	0.60	0.40	0.52
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	11	0	-4	-4	0	0	3	7
80% confidence	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	-0.002	0.0000	0.0000	0.0000	0.0000

MW-4 (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	2.25	0.70	3.48	14.60	0.37	0.60	0.55	0.63
UCL	2.68	0.70	4.35	19.33	0.41	0.60	0.63	0.73
Median	2.36	0.70	3.75	14.20	0.40	0.60	0.57	0.57
Standard Deviation	0.65	0.00000000000000012	1.30	7.06	0.07	0.00	0.13	0.16
Coefficient of Variation	0.29	0.00000000000000017	0.37	0.48	0.19	0.00	0.24	0.25
Skewness	-0.67	-1.25	-1.09	0.12	-2.50	--	0.66	1.41
Minimum	1.07	0.70	1.04	3.90	0.20	0.60	0.40	0.50
Maximum	3.11	0.70	4.83	24.40	0.40	0.60	0.79	0.95
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	-8	0	-4	-2	12	0	-26	-7
80% confidence	Negative Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend
Sen Slope	-0.0007	0.0000	-0.001	-0.001	0.0000	0.0000	-0.0003	-0.0001

MW-5 (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	0.66	0.70	0.40	43.31	0.40	0.60	0.40	0.50
UCL	0.86	0.70	0.40	88.41	0.40	0.60	0.40	0.50
Median	0.60	0.70	0.40	3.00	0.40	0.60	0.40	0.50
Standard Deviation	0.30	0.00000000000000012	0.00000000000000006	67.30	0.00000000000000006	0.00	0.00000000000000006	0.00
Coefficient of Variation	0.46	0.00000000000000017	0.00000000000000015	1.55	0.00000000000000015	0.00	0.00000000000000015	0.00
Skewness	2.00	-1.25	1.25	1.62	1.25	--	1.25	--
Minimum	0.29	0.70	0.40	2.60	0.40	0.60	0.40	0.50
Maximum	1.35	0.70	0.40	181.00	0.40	0.60	0.40	0.50
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	3	0	0	-2	0	0	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Attachment X
Mann-Kendall Statistical Analysis Summaries

MW-6 (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	0.90	0.70	3.95	111.55	0.40	0.60	0.40	0.55
UCL	1.06	0.70	5.28	158.08	0.40	0.60	0.47	0.62
Median	0.95	0.70	3.51	105.10	0.40	0.60	0.40	0.50
Standard Deviation	0.20	0.0000000000000012	1.62	56.56	0.0000000000000006	0.00	0.08	0.09
Coefficient of Variation	0.22	0.0000000000000017	0.41	0.51	0.0000000000000015	0.00	0.19	0.16
Skewness	-0.31	-1.37	1.12	0.80	1.37	--	-1.15	2.20
Minimum	0.63	0.70	2.08	40.50	0.40	0.60	0.27	0.50
Maximum	1.15	0.70	6.78	207.00	0.40	0.60	0.48	0.72
Count (n)	6	6	6	6	6	6	6	6
Mann-Kendall S	-4	0	-11	7	0	0	-4	-9
80% confidence	No Trend	No Trend	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	Negative Trend
90% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0002	0.0000	-0.003	0.060	0.0000	0.0000	-0.0001	-0.0001

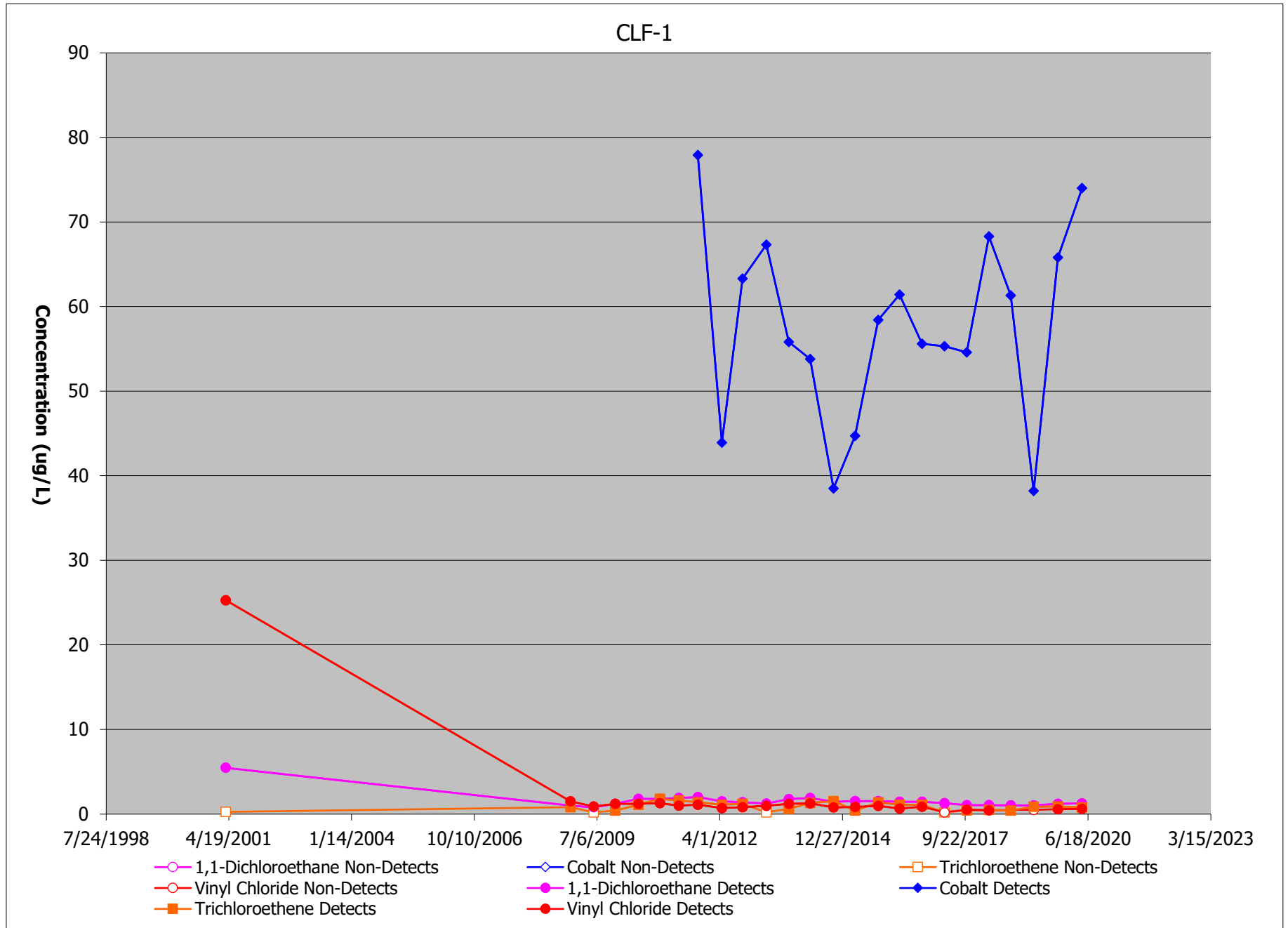
MW-X1 (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	0.60	0.70	0.48	90.79	0.40	0.60	0.40	0.50
UCL	0.60	0.70	0.59	118.04	0.40	0.60	0.40	0.50
Median	0.60	0.70	0.40	75.40	0.40	0.60	0.40	0.50
Standard Deviation	0.00	0.0000000000000012	0.16	40.68	0.0000000000000006	0.00	0.0000000000000006	0.00
Coefficient of Variation	0.00	0.0000000000000017	0.34	0.45	0.0000000000000015	0.00	0.0000000000000015	0.00
Skewness	--	-1.25	1.58	0.96	1.25	--	1.25	--
Minimum	0.60	0.70	0.37	51.90	0.40	0.60	0.40	0.50
Maximum	0.60	0.70	0.80	163.00	0.40	0.60	0.40	0.50
Count (n)	8	8	8	8	8	8	8	8
Mann-Kendall S	0	0	-6	8	0	0	0	0
80% confidence	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.016	0.0000	0.0000	0.0000	0.0000

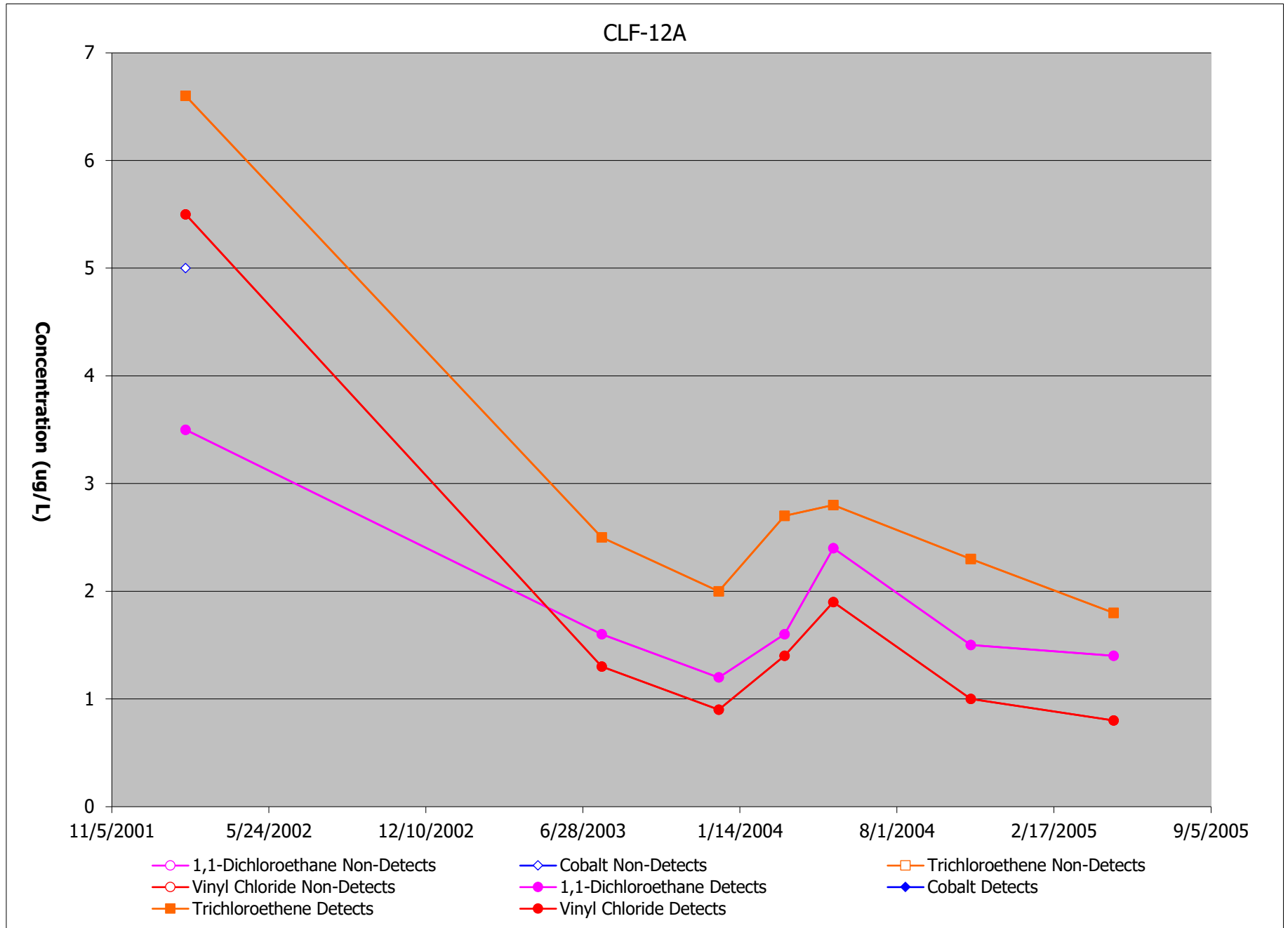
MW-X2 (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	0.60	0.70	0.63	--	0.40	0.60	0.40	0.50
UCL	0.60	0.70	0.88	--	0.40	0.60	0.40	0.50
Median	0.60	0.70	0.40	--	0.40	0.60	0.40	0.50
Standard Deviation	0.00	0.0000000000000012	0.36	--	0.0000000000000006	0.00	0.0000000000000006	0.00
Coefficient of Variation	0.00	0.0000000000000017	0.58	--	0.0000000000000015	0.00	0.0000000000000015	0.00
Skewness	--	-1.25	1.41	--	1.25	--	1.25	--
Minimum	0.60	0.70	0.40	--	0.40	0.60	0.40	0.50
Maximum	0.60	0.70	1.35	--	0.40	0.60	0.40	0.50
Count (n)	8	8	8	--	8	8	8	8
Mann-Kendall S	0	0	-8	--	0	0	0	0
80% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	0.0000	0.0000

Attachment X
Mann-Kendall Statistical Analysis Summaries

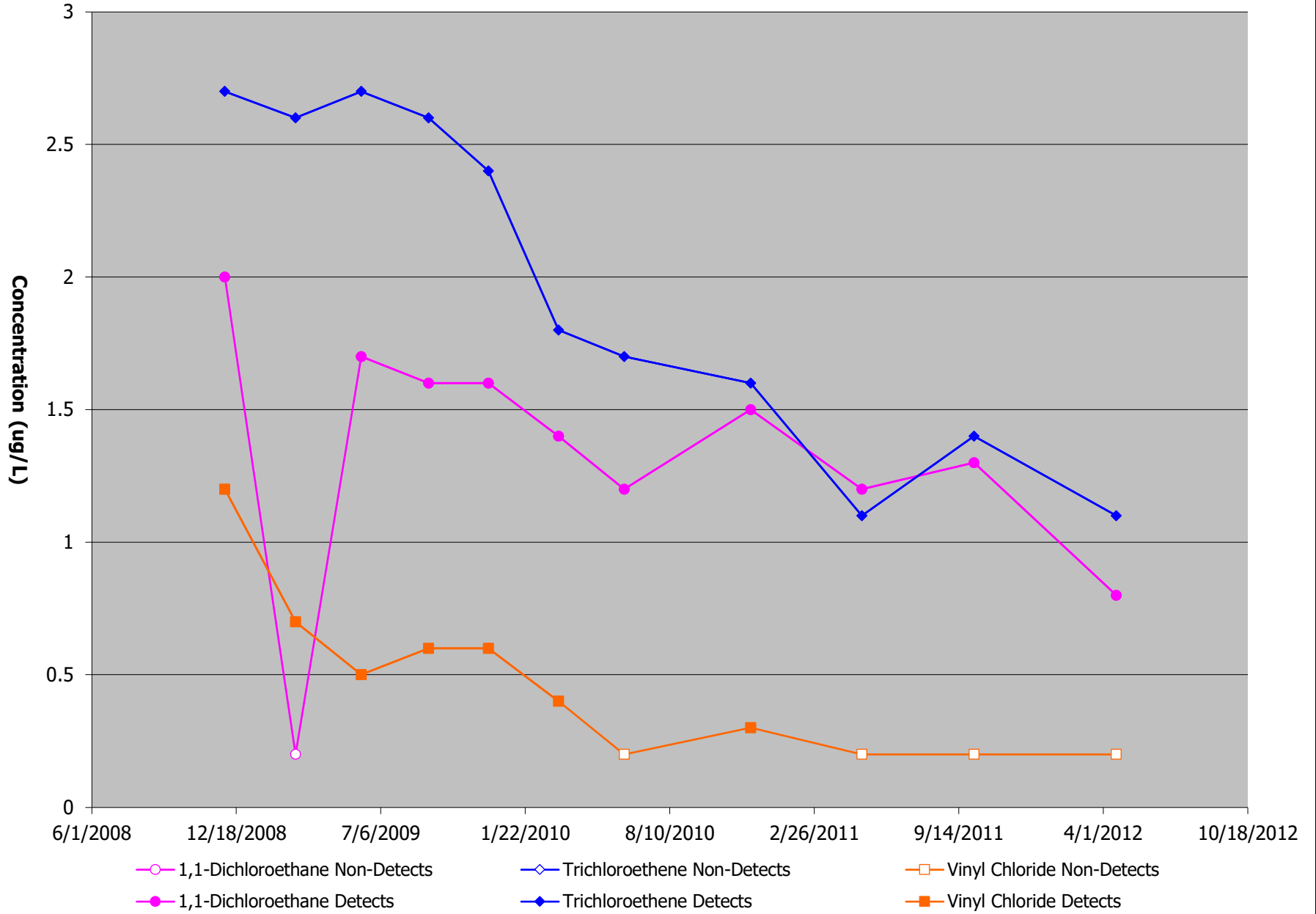
MW-X2D (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	0.60	0.70	0.40	4.00	0.40	0.60	0.40	0.50
UCL	0.60	0.70	0.40	--	0.40	0.60	0.40	0.50
Median	0.60	0.70	0.40	4.00	0.40	0.60	0.40	0.50
Standard Deviation	0.00	0.0000000000000012	0.0000000000000006	--	0.0000000000000006	0.00	0.0000000000000006	0.00
Coefficient of Variation	0.00	0.0000000000000017	0.0000000000000015	--	0.0000000000000015	0.00	0.0000000000000015	0.00
Skewness	--	-1.25	1.25	--	1.25	--	1.25	--
Minimum	0.60	0.70	0.40	4.00	0.40	0.60	0.40	0.50
Maximum	0.60	0.70	0.40	4.00	0.40	0.60	0.40	0.50
Count (n)	8	8	8	1	8	8	8	8
Mann-Kendall S	0	0	0	--	0	0	0	0
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	0.0000	0.0000

PZ-4E (01-Jul-2016-16-Oct-2020)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Cobalt (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
Mean	0.60	0.70	1.06	--	0.42	0.60	0.58	0.76
UCL	0.60	0.70	1.34	--	0.50	0.60	0.71	1.06
Median	0.60	0.70	0.97	--	0.43	0.60	0.55	0.63
Standard Deviation	0.01	0.0000000000000012	0.42	--	0.11	0.00	0.18	0.45
Coefficient of Variation	0.02	0.0000000000000017	0.39	--	0.26	0.00	0.32	0.59
Skewness	-2.83	-1.25	0.94	--	-0.06	--	0.85	1.20
Minimum	0.57	0.70	0.47	--	0.25	0.60	0.38	0.30
Maximum	0.60	0.70	1.87	--	0.60	0.60	0.86	1.58
Count (n)	8	8	8	--	8	8	8	8
Mann-Kendall S	1	0	8	--	12	0	12	4
80% confidence	No Trend	No Trend	Positive Trend	--	Positive Trend	No Trend	Positive Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	Positive Trend	No Trend	Positive Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0001	--	0.0001	0.0000	0.0001	0.0002

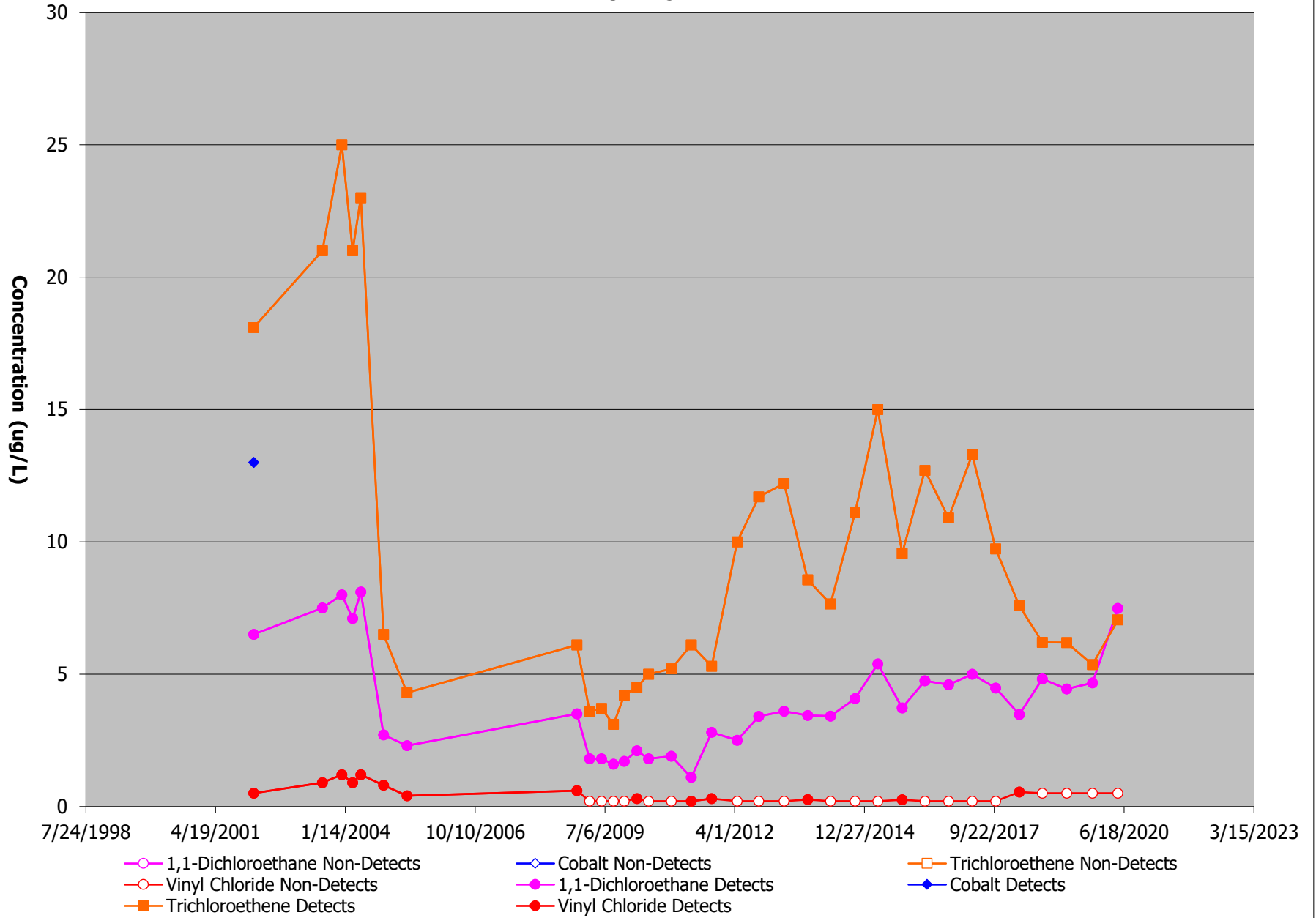


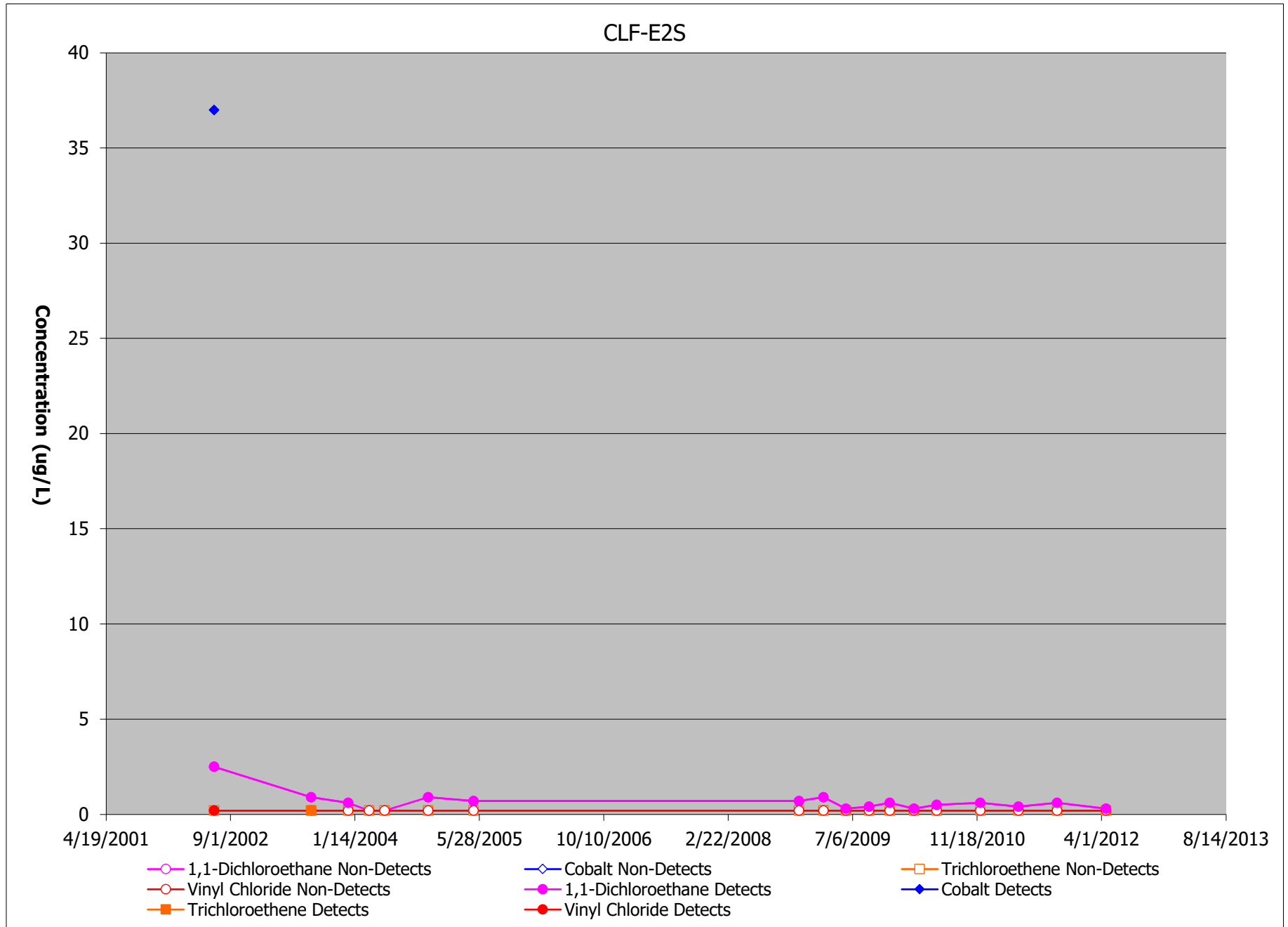


CLF-12AR

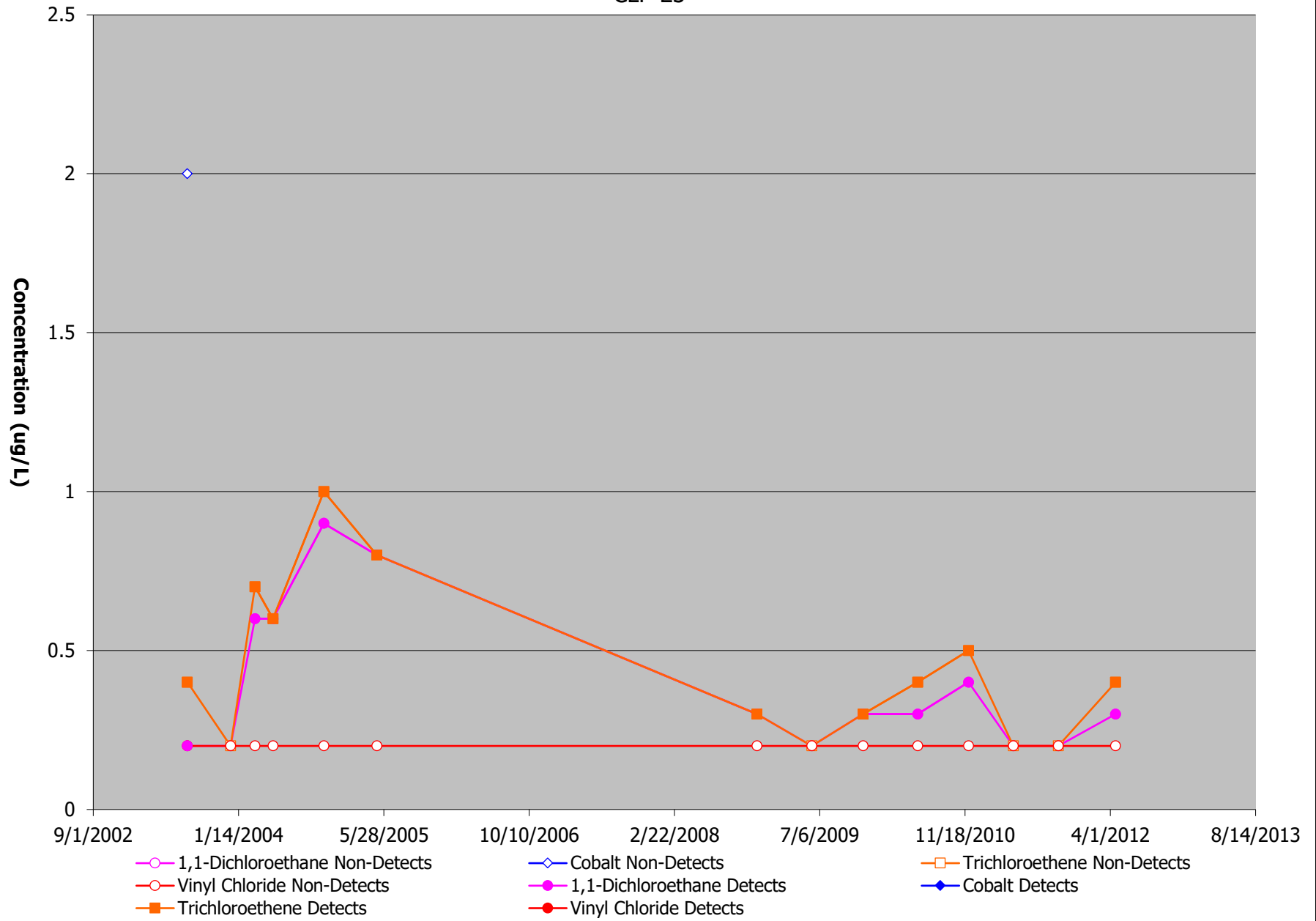


CLF-15A

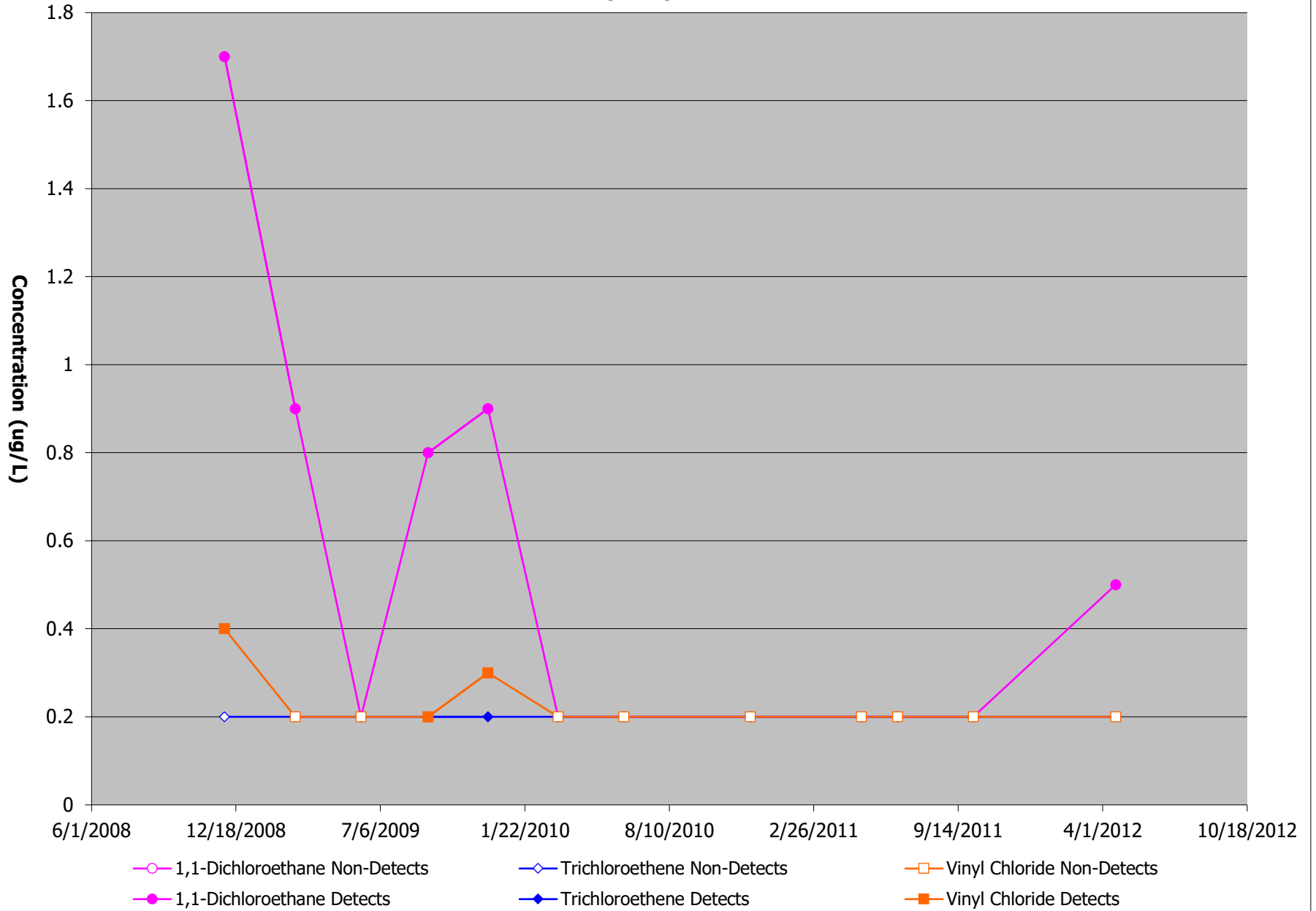


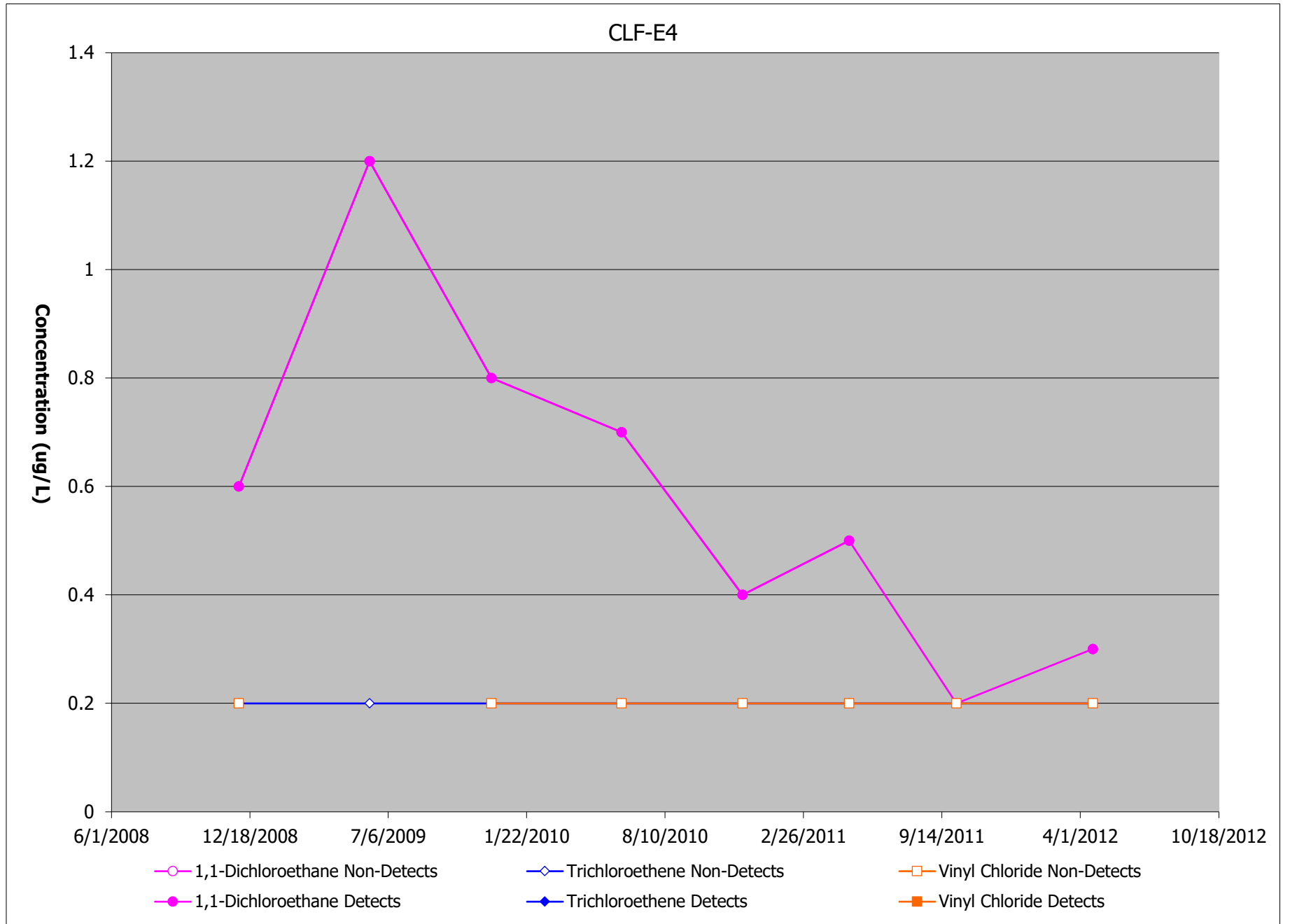


CLF-E3

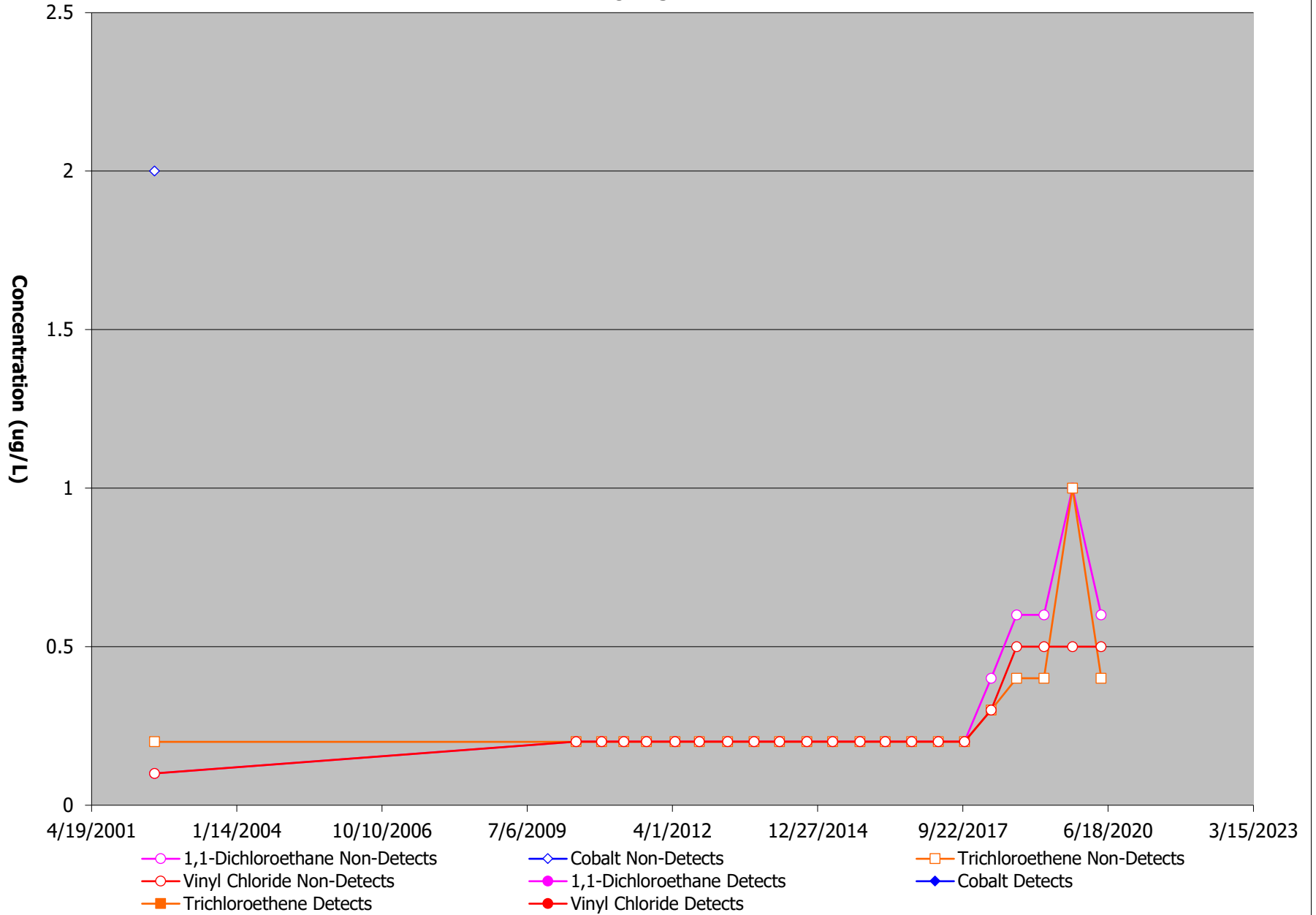


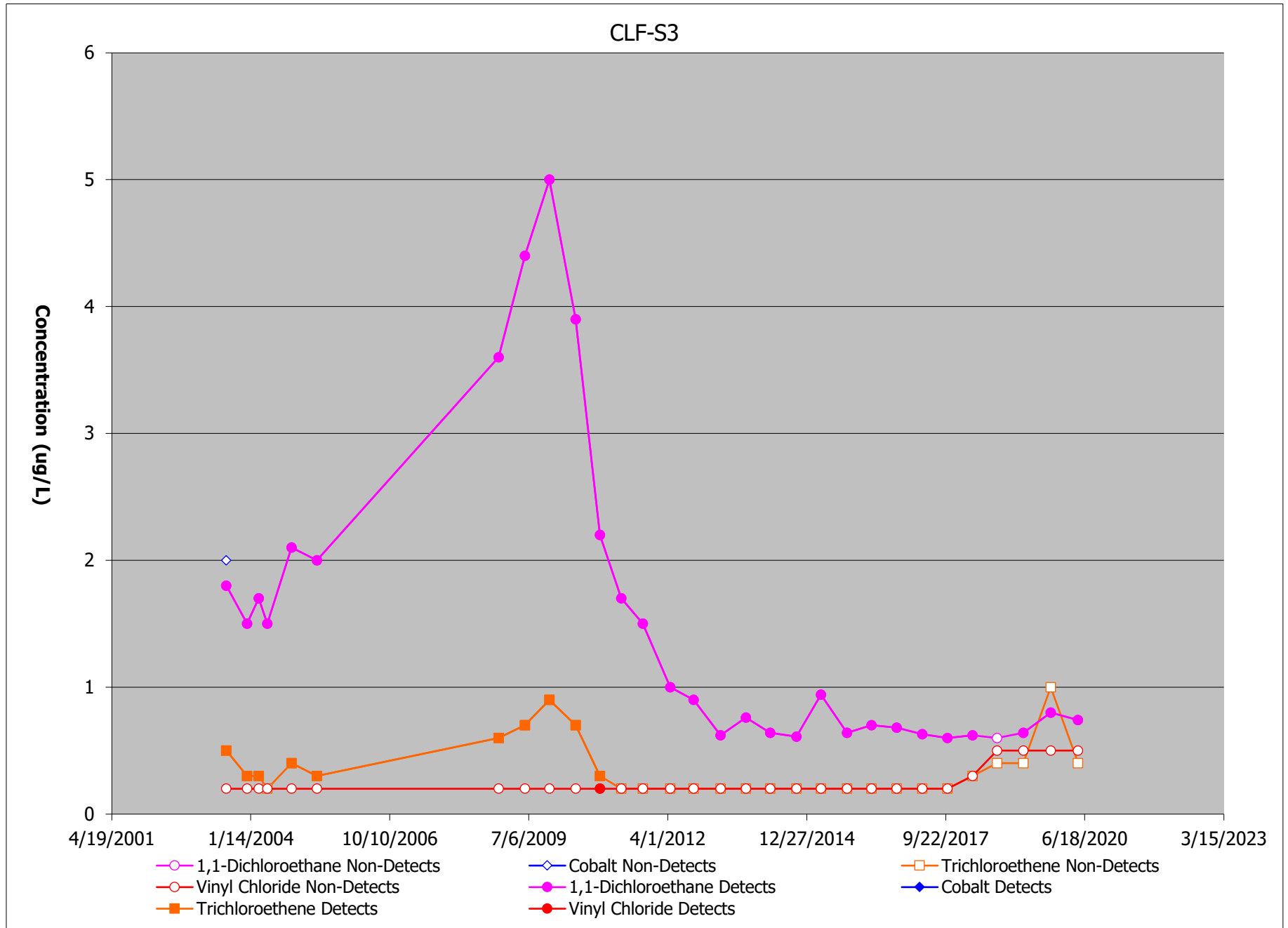
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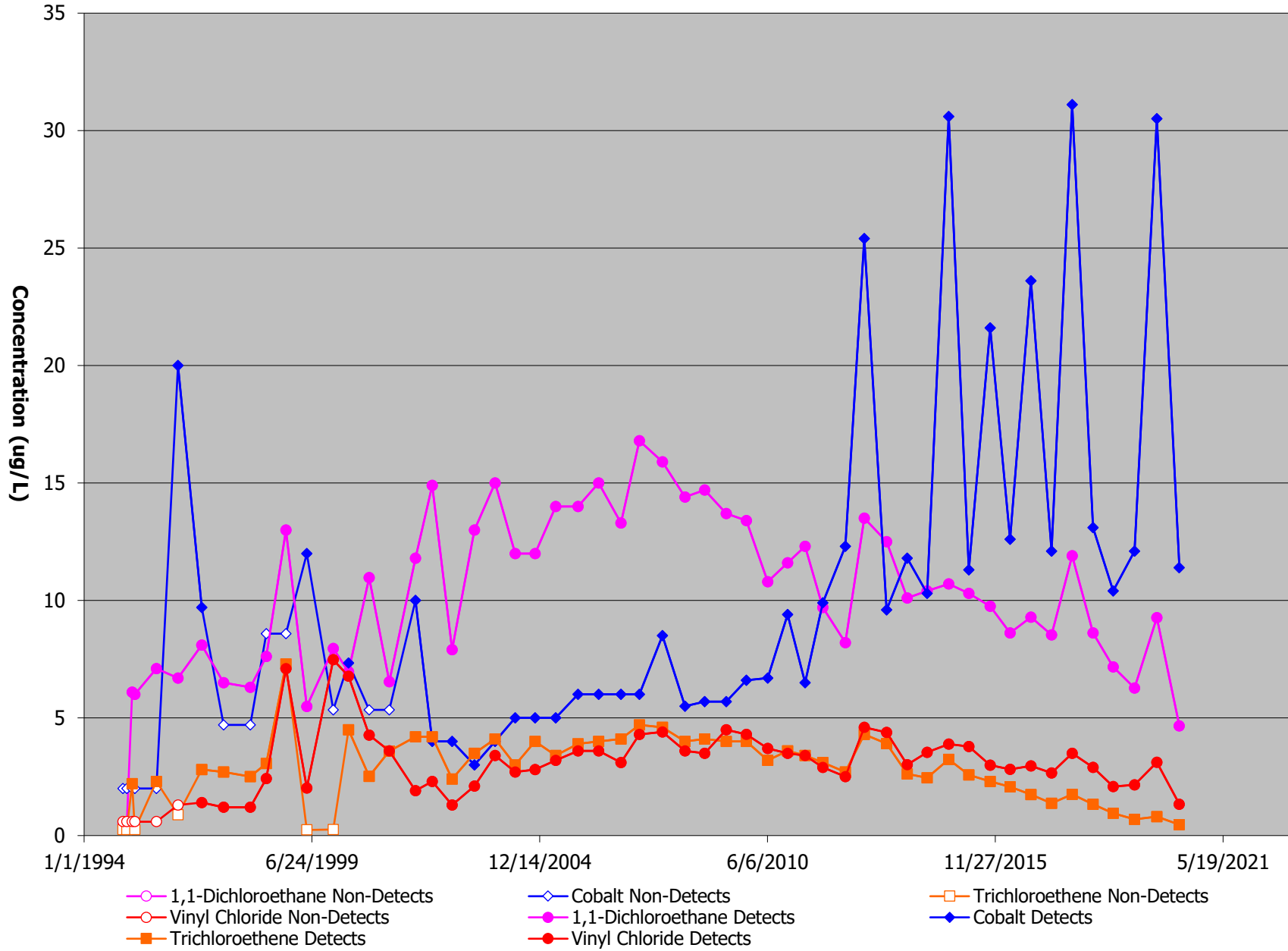


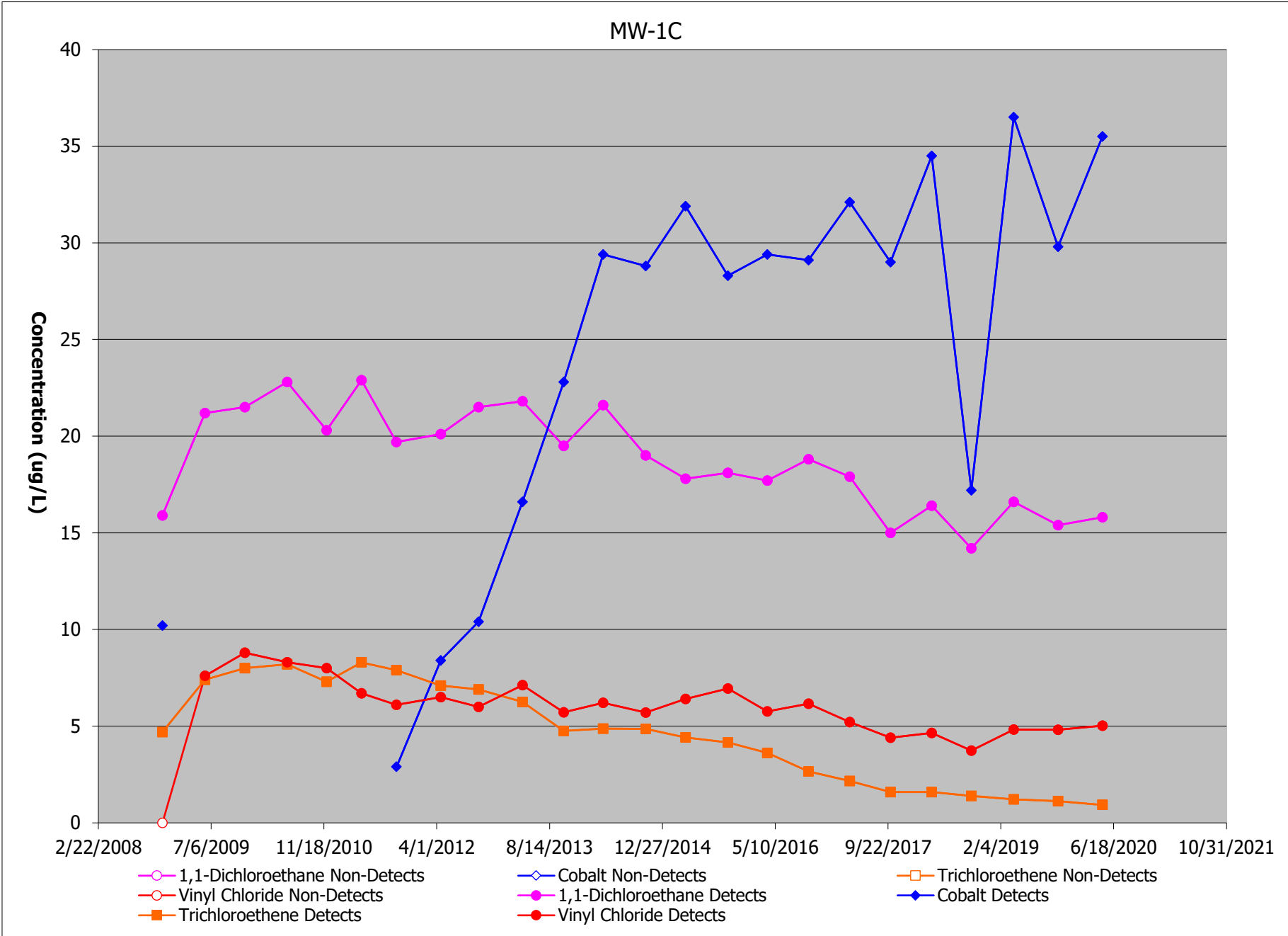
CLF-S1

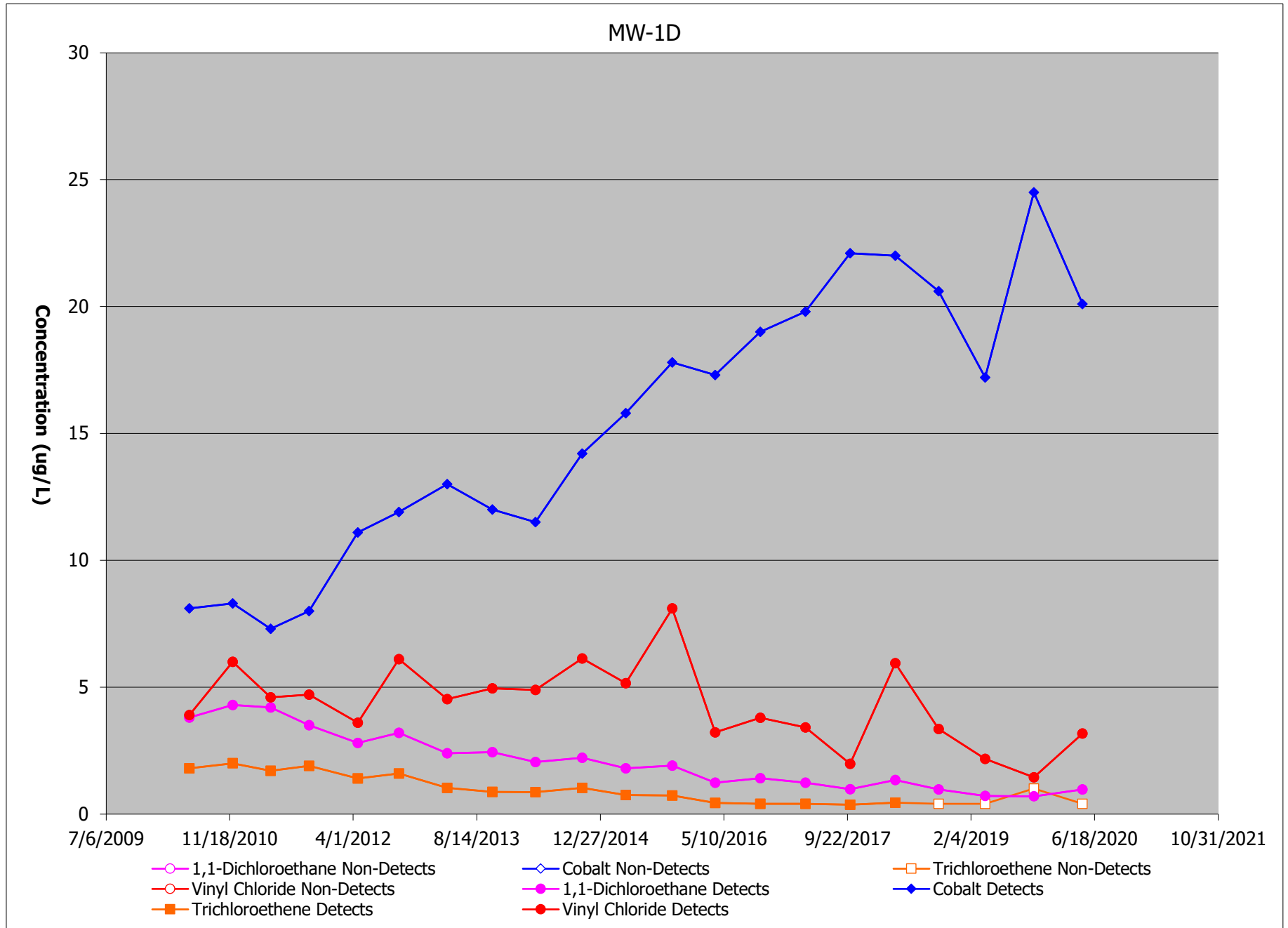


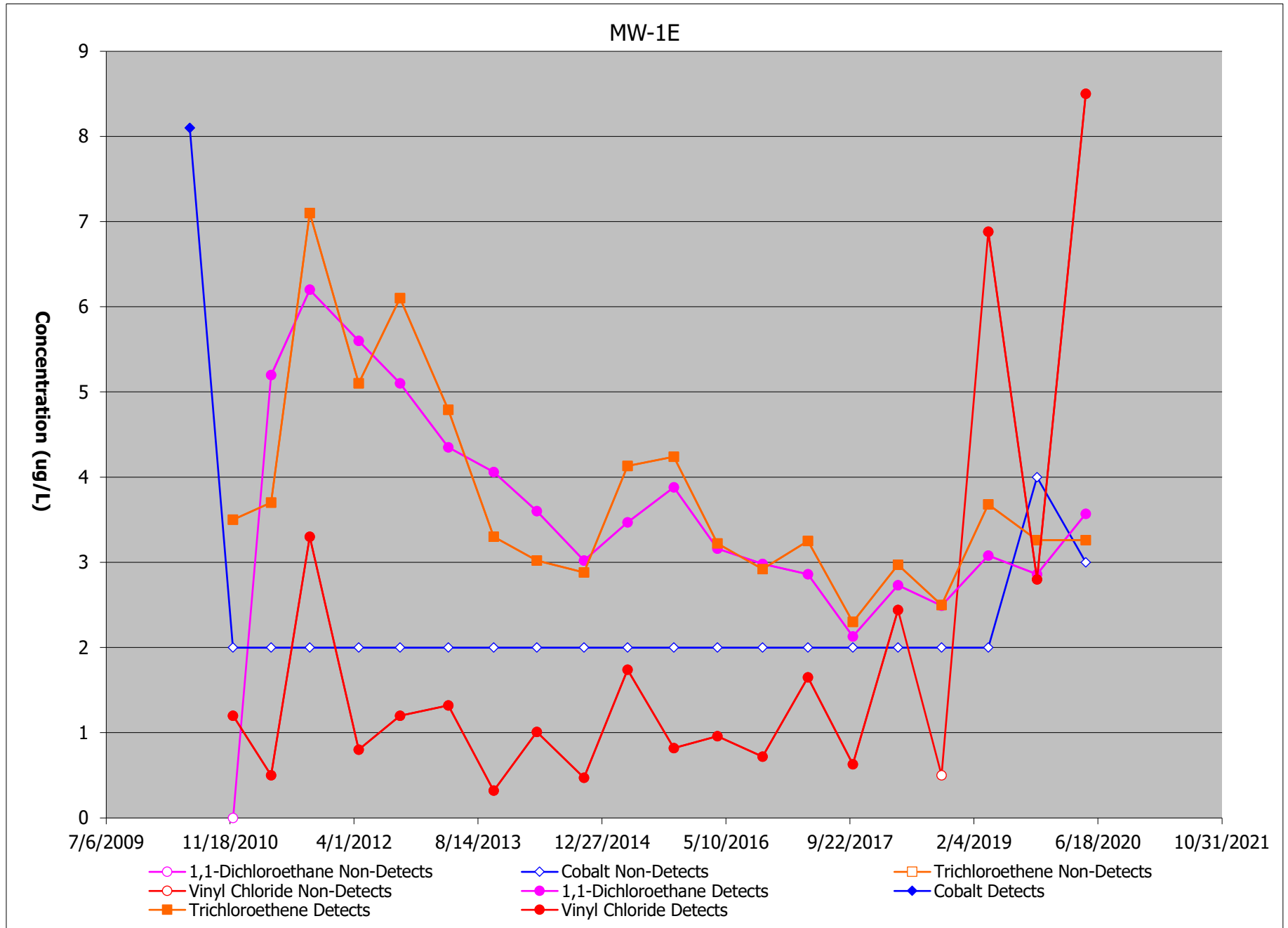


MW-1B

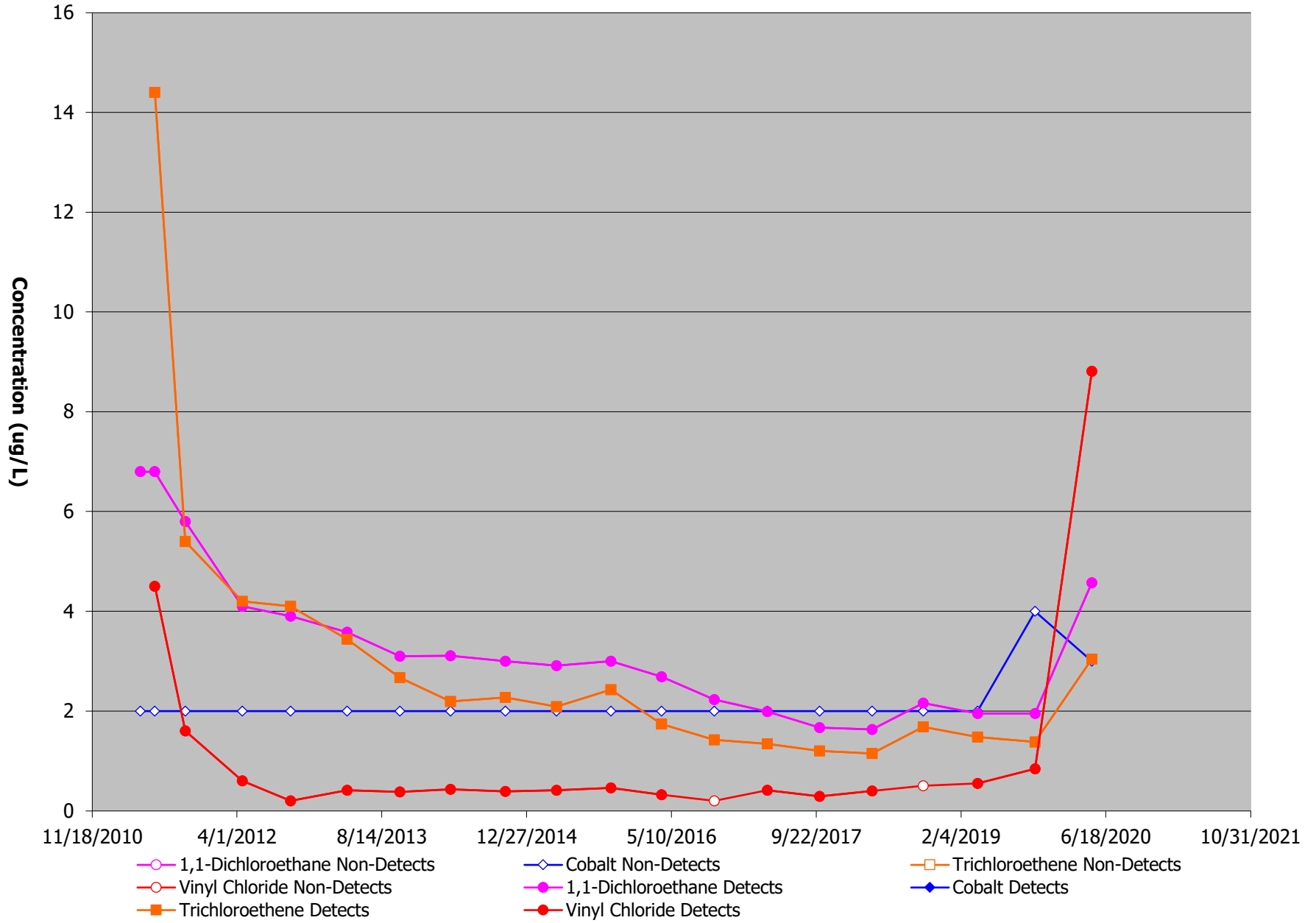


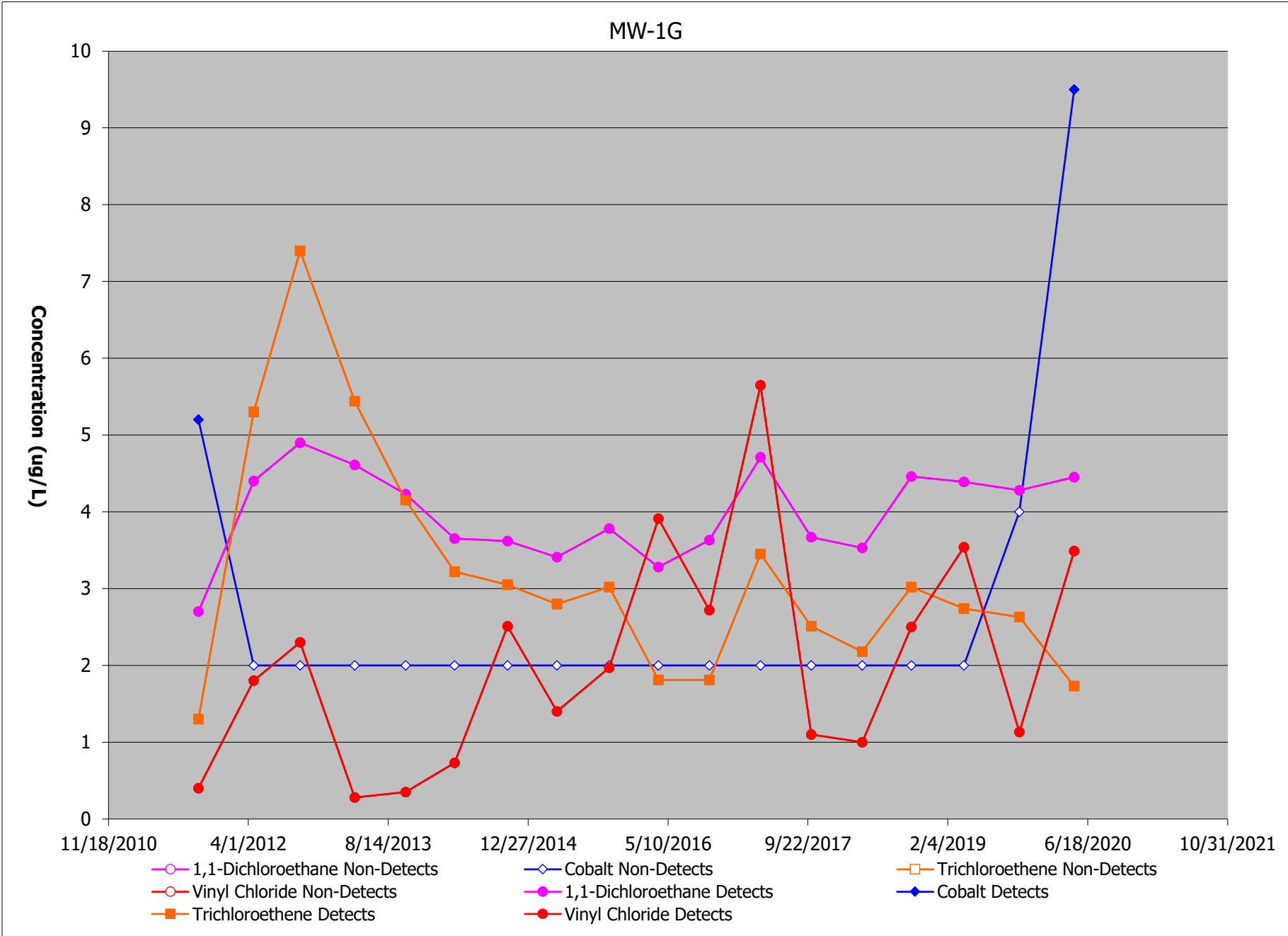


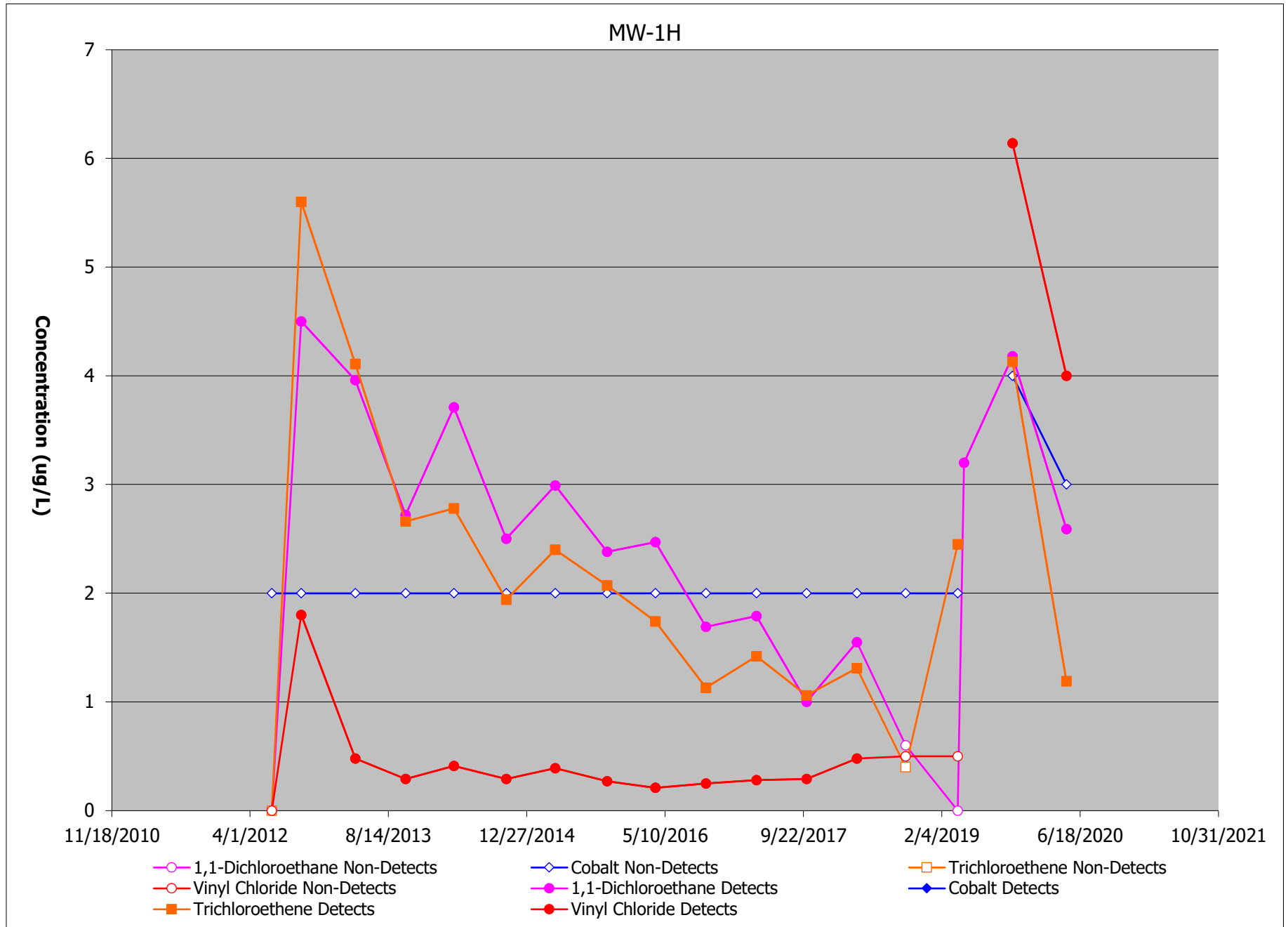




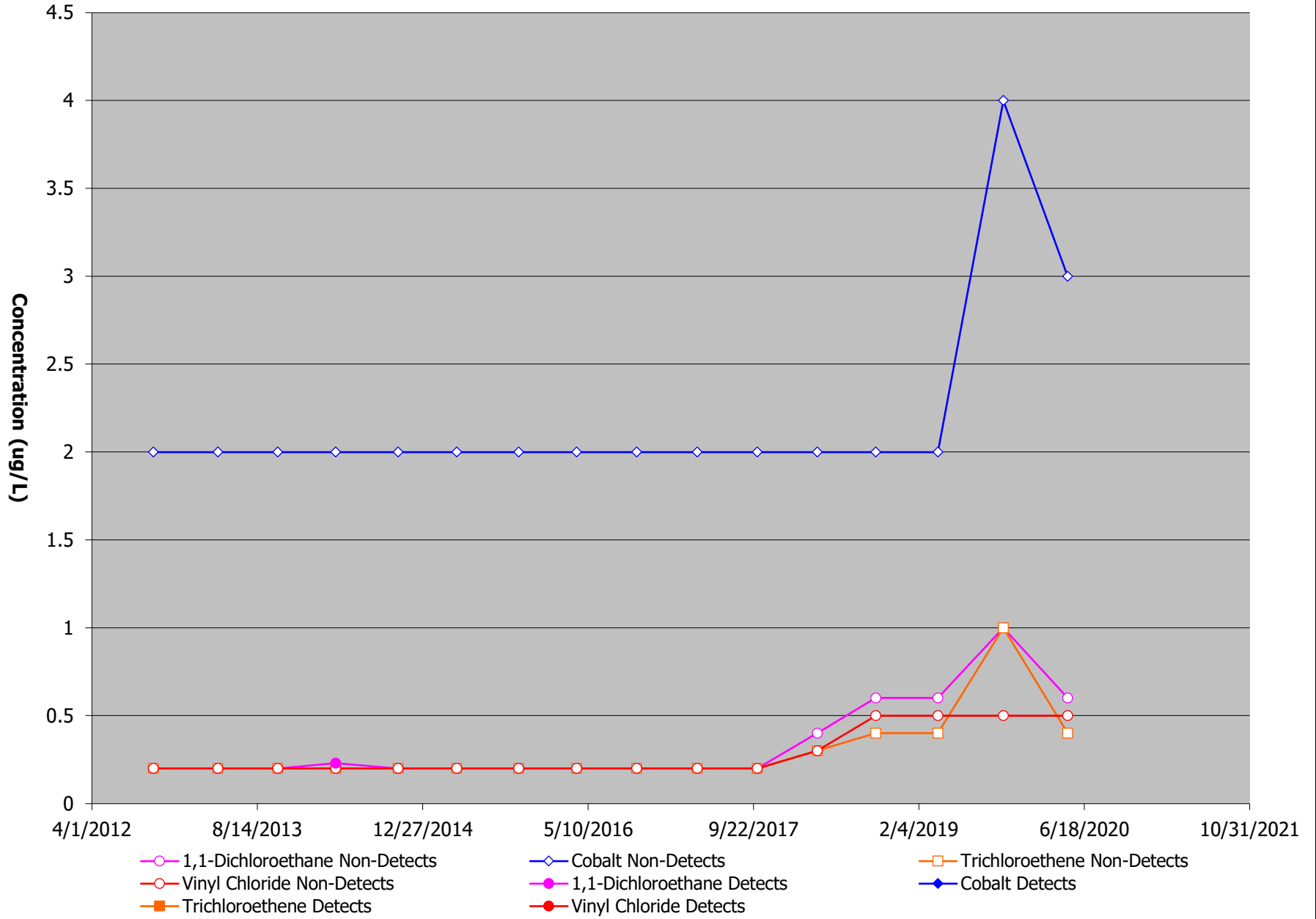
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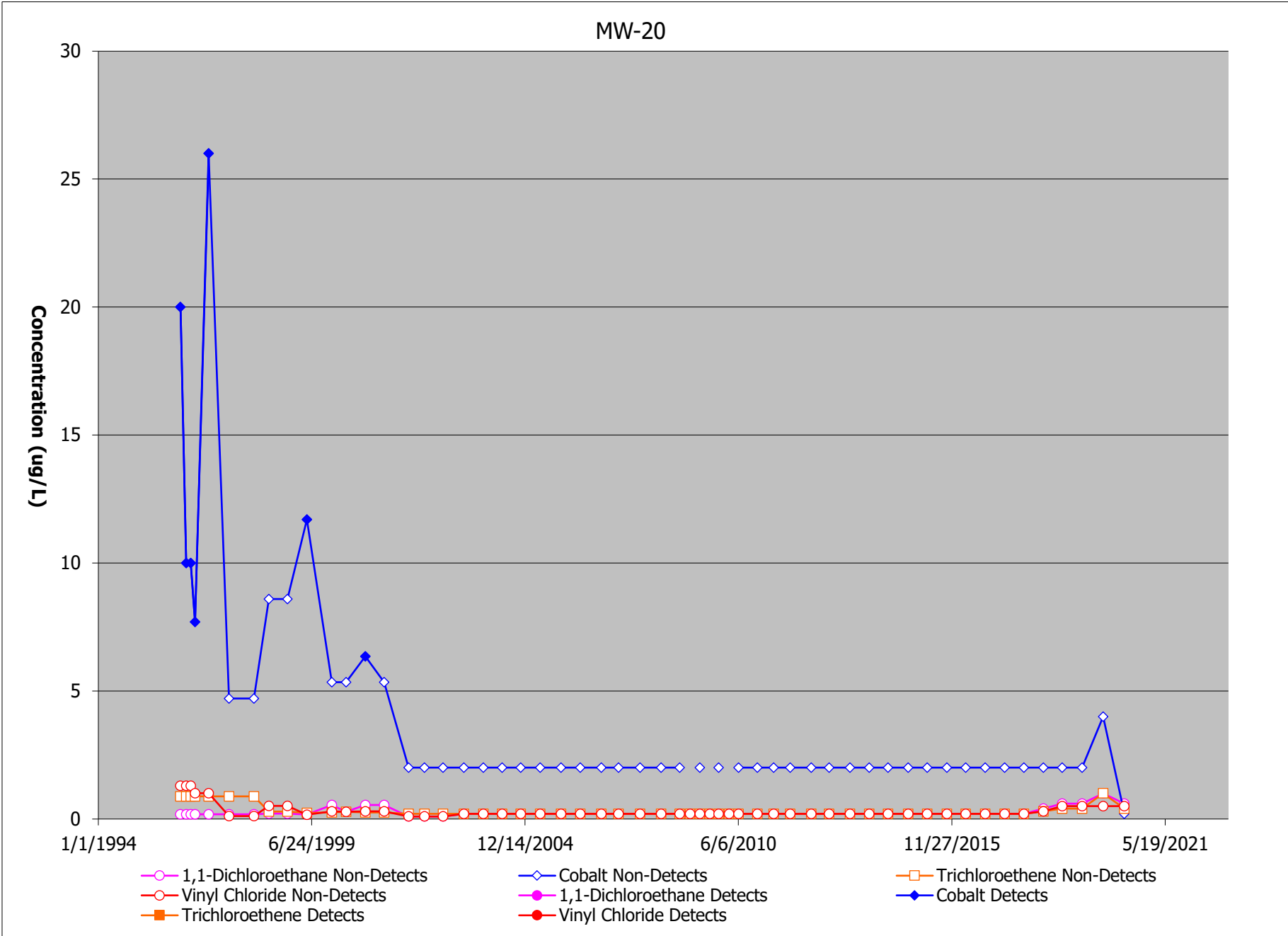


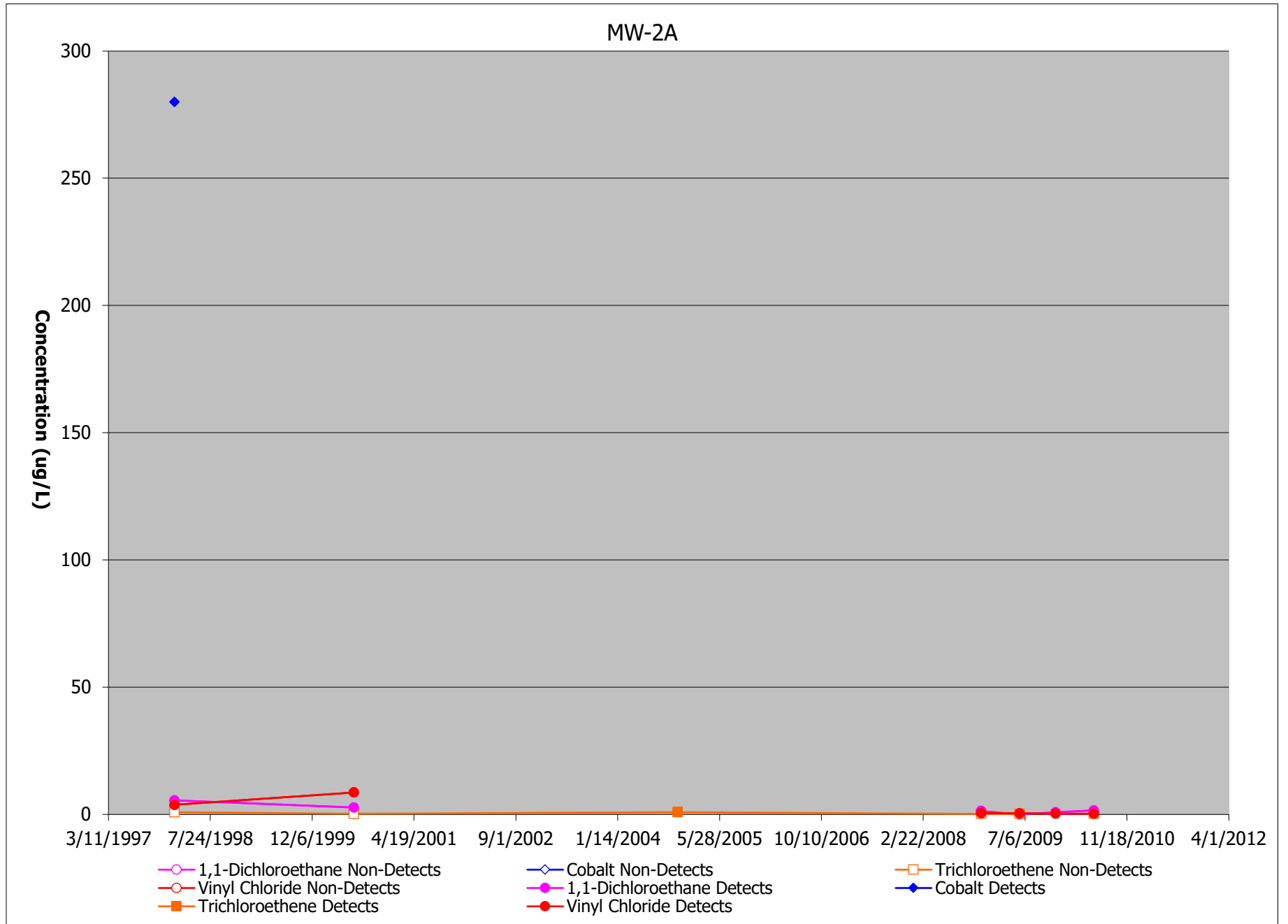


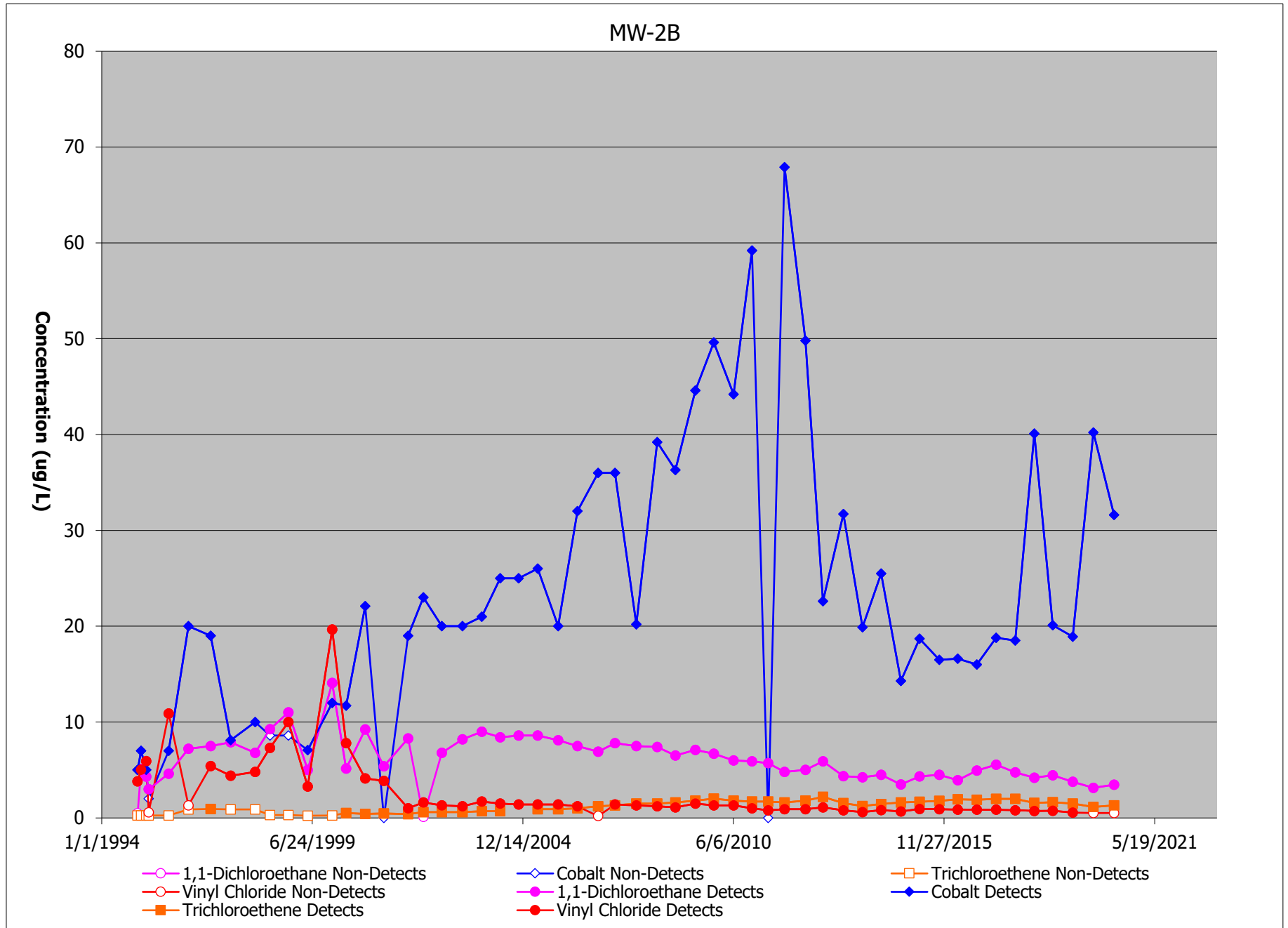


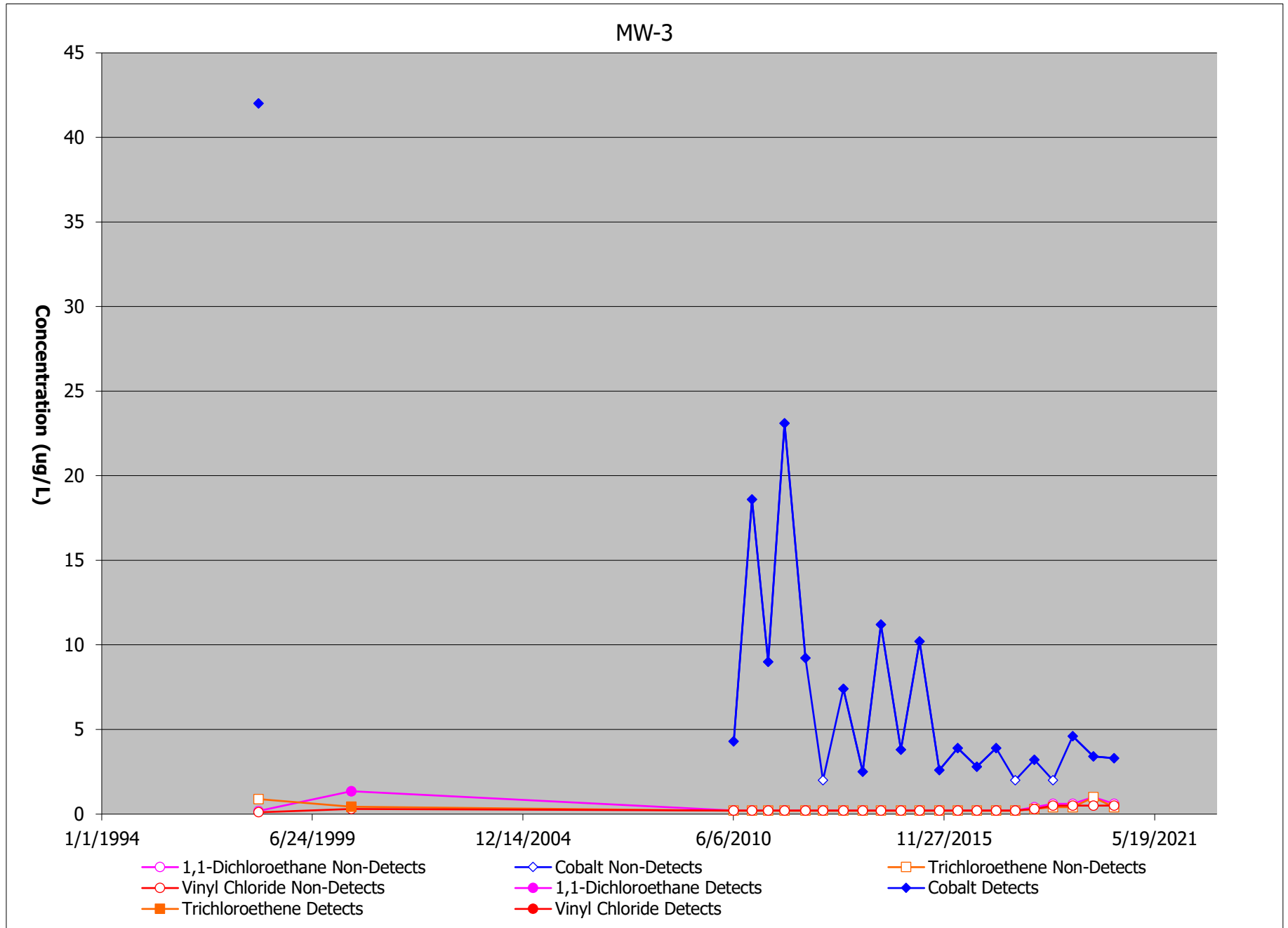
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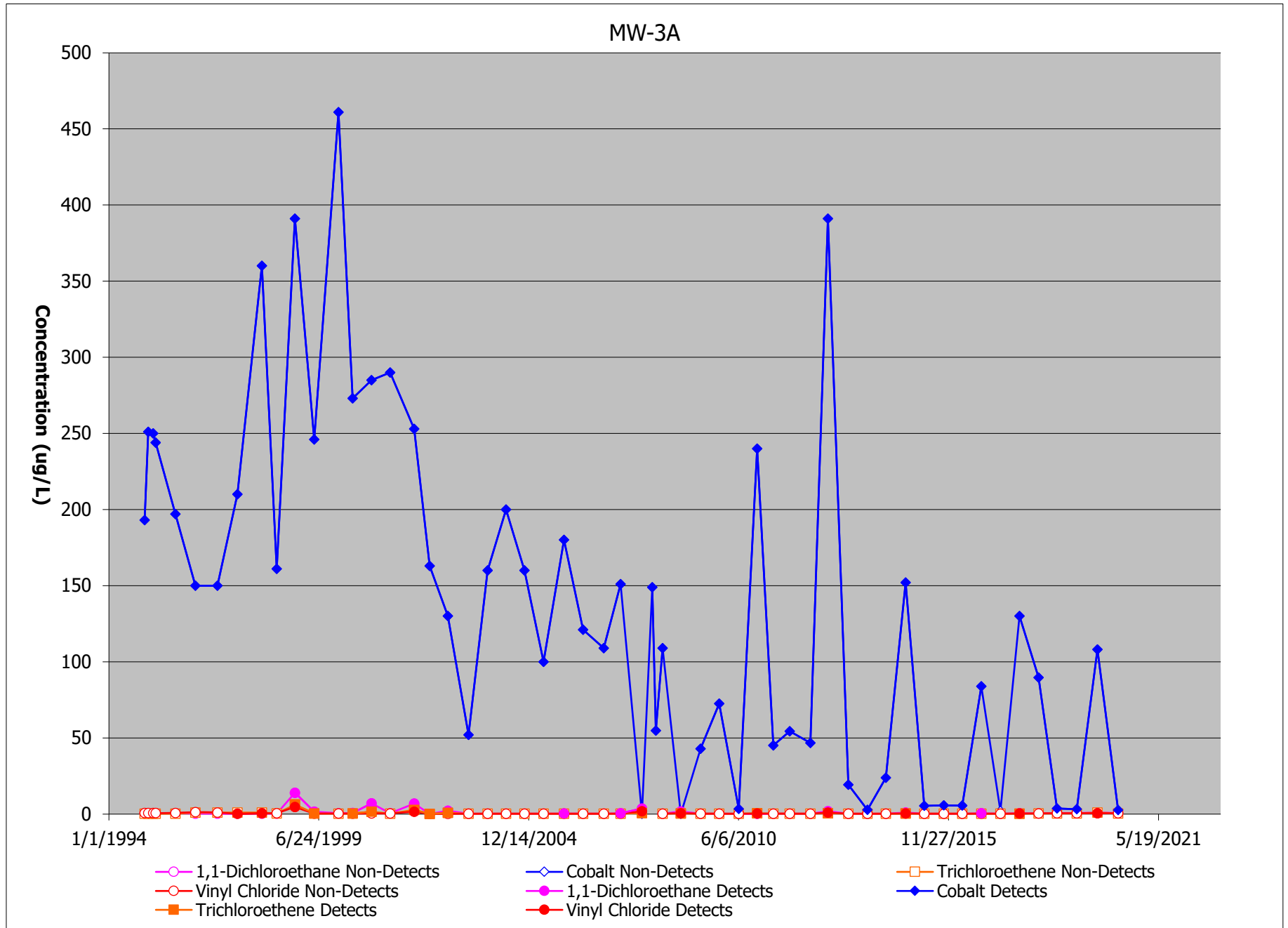


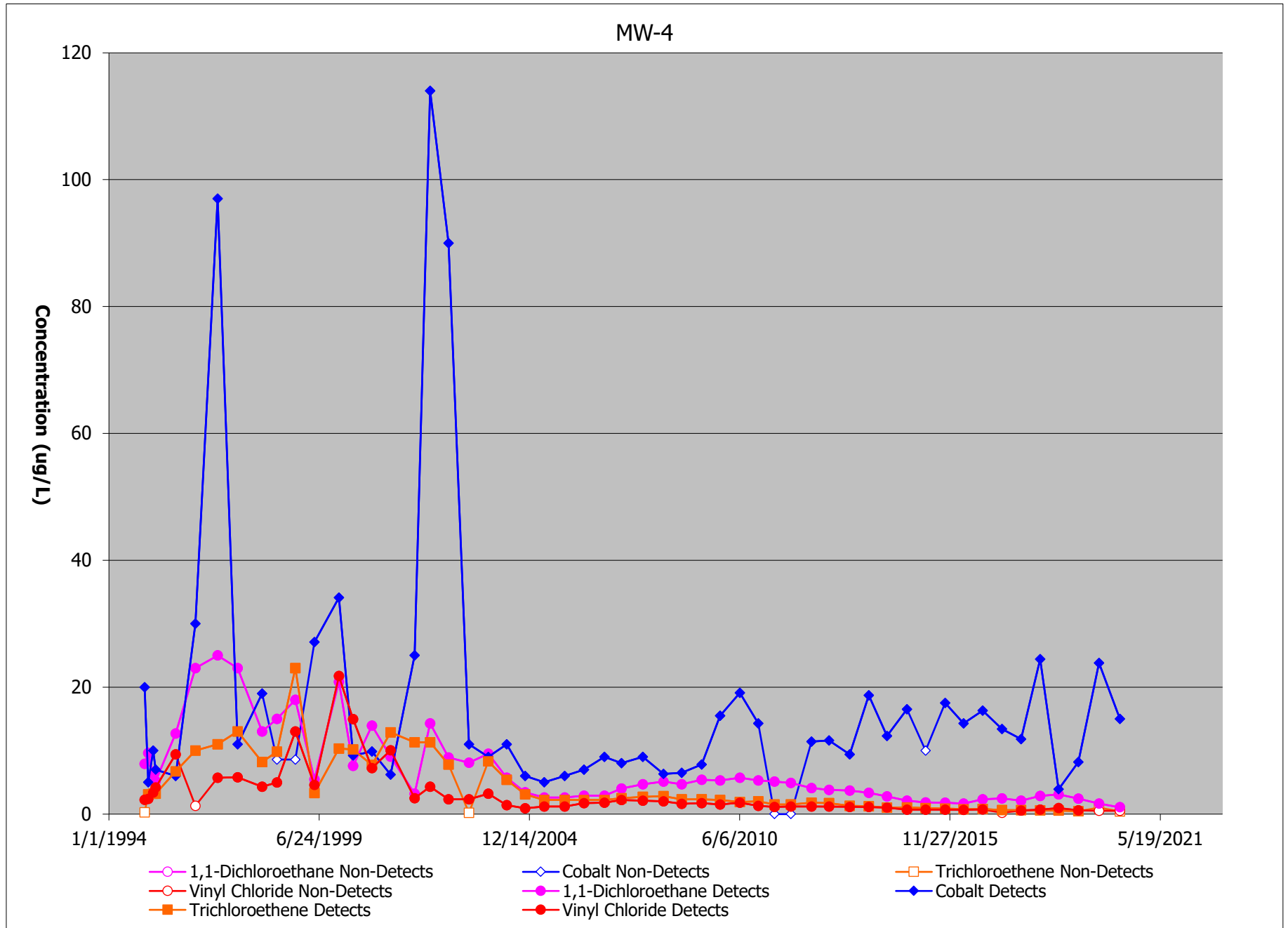


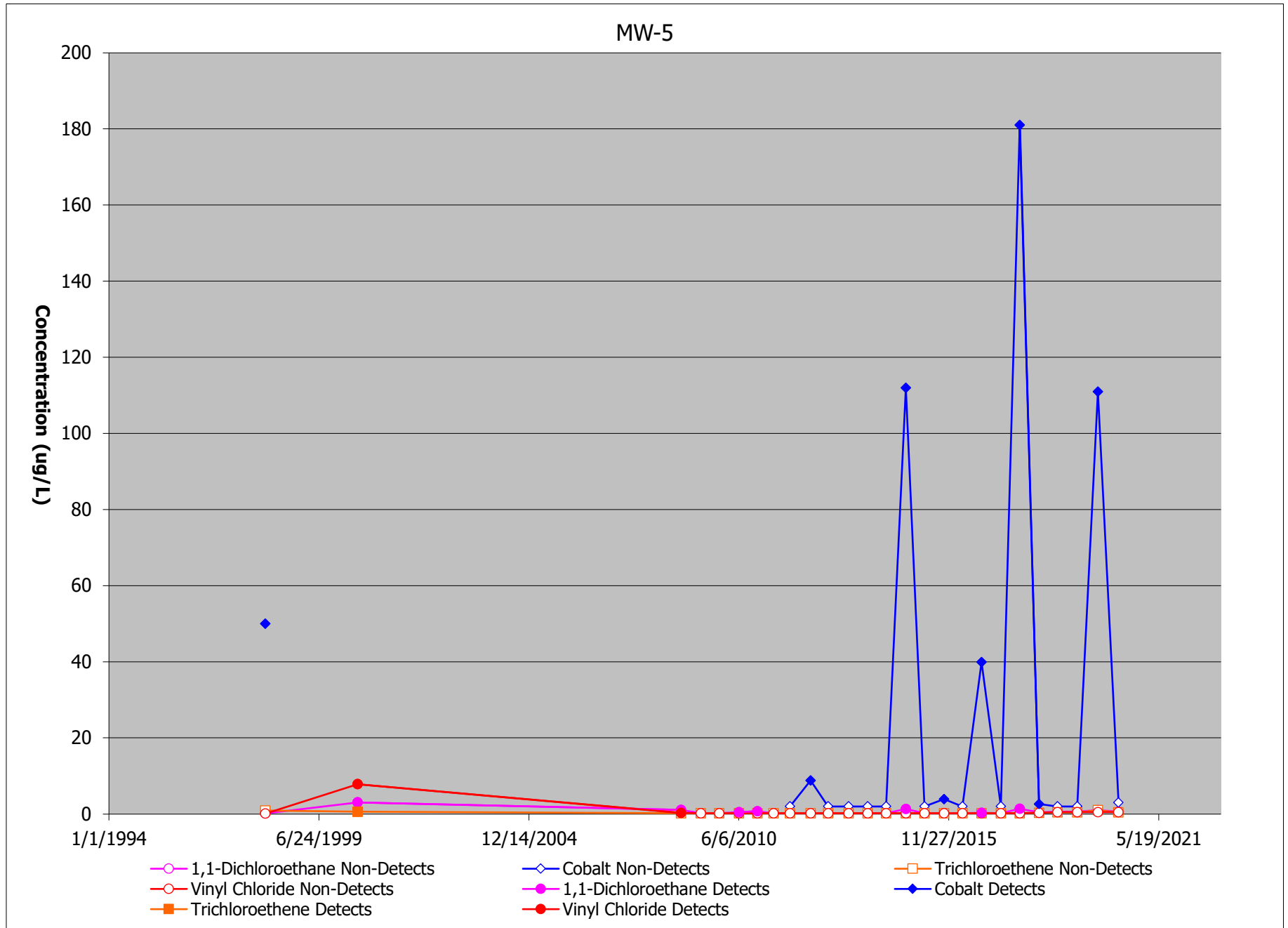


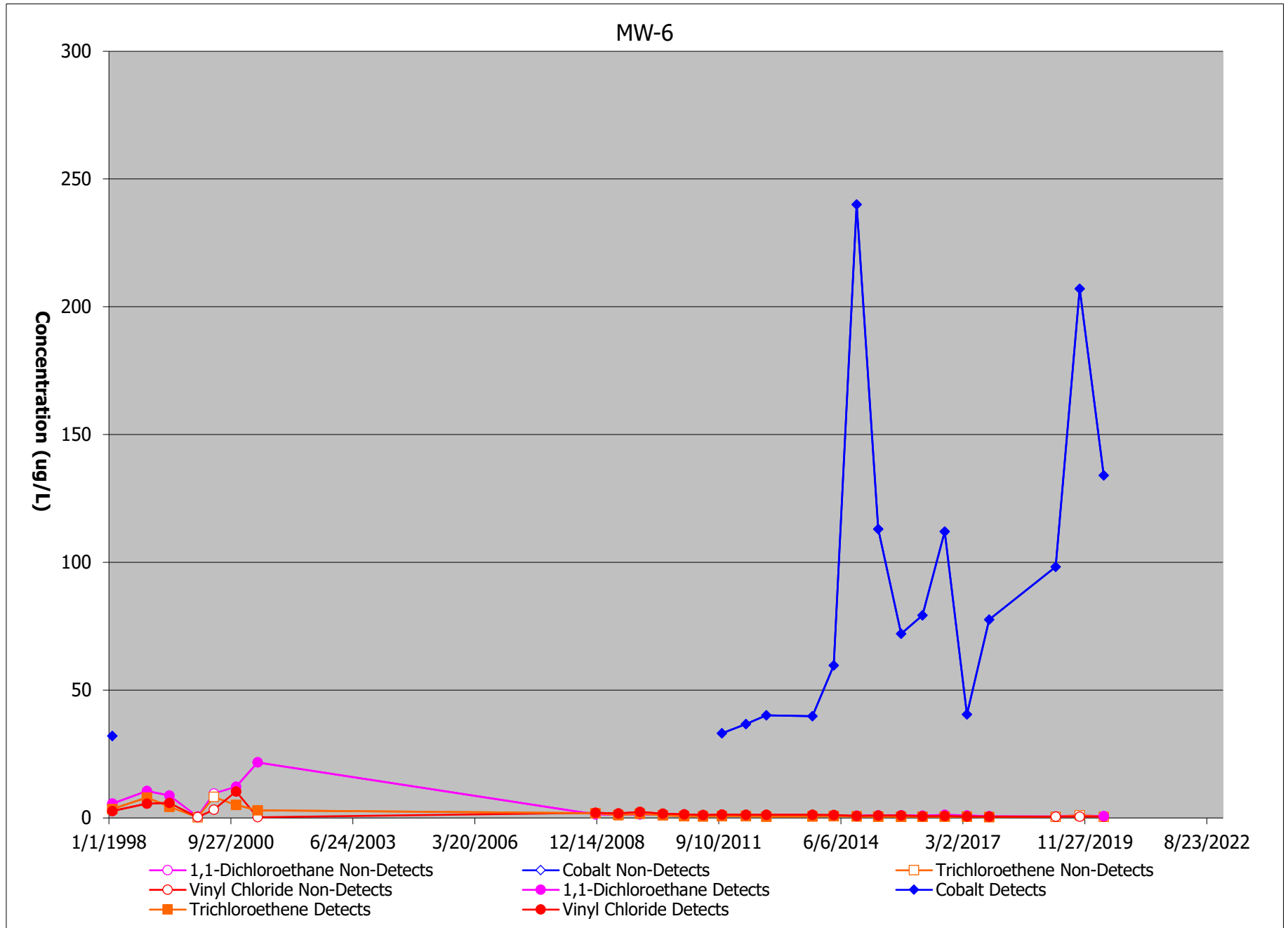


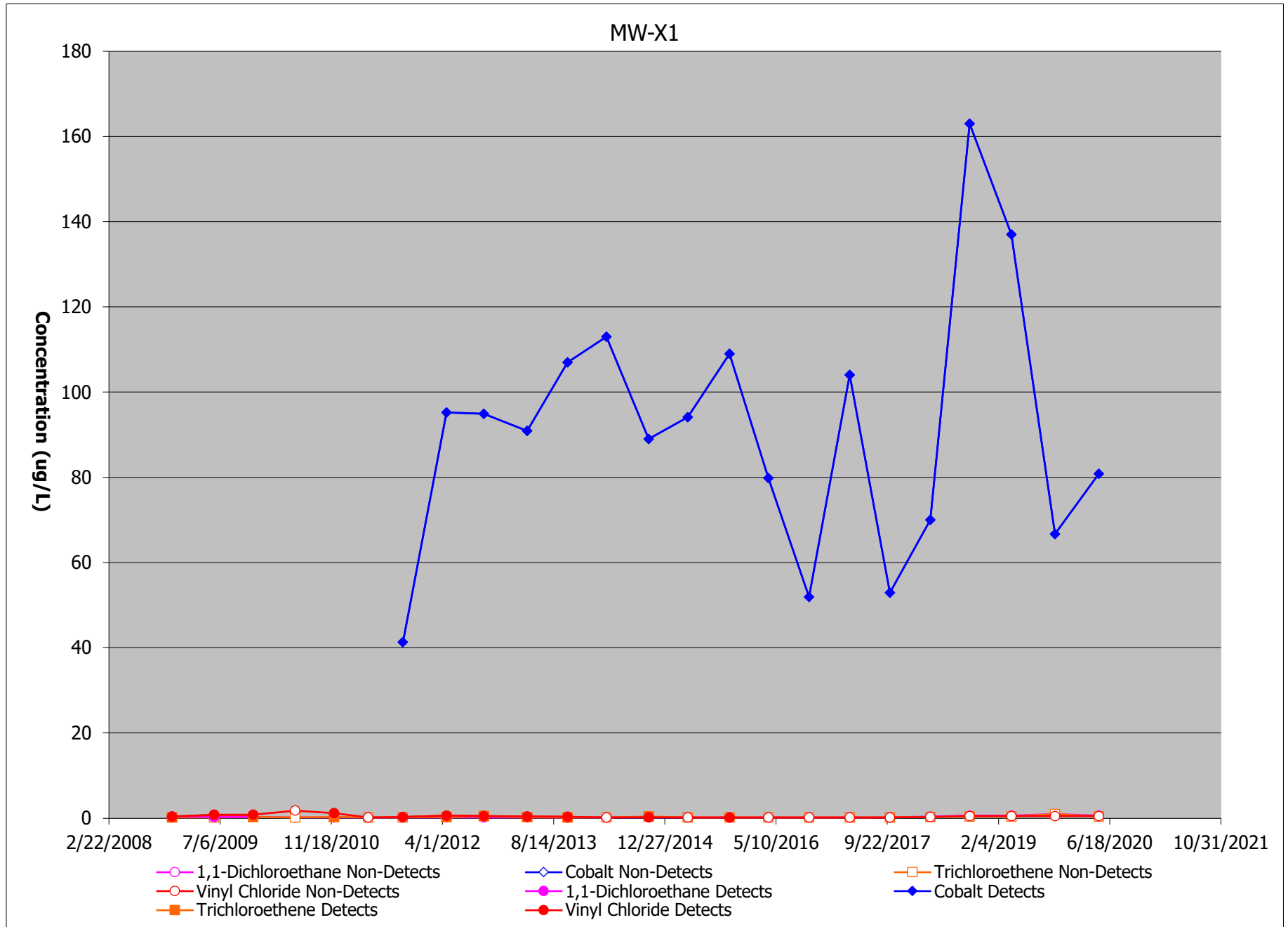












MW-X2

