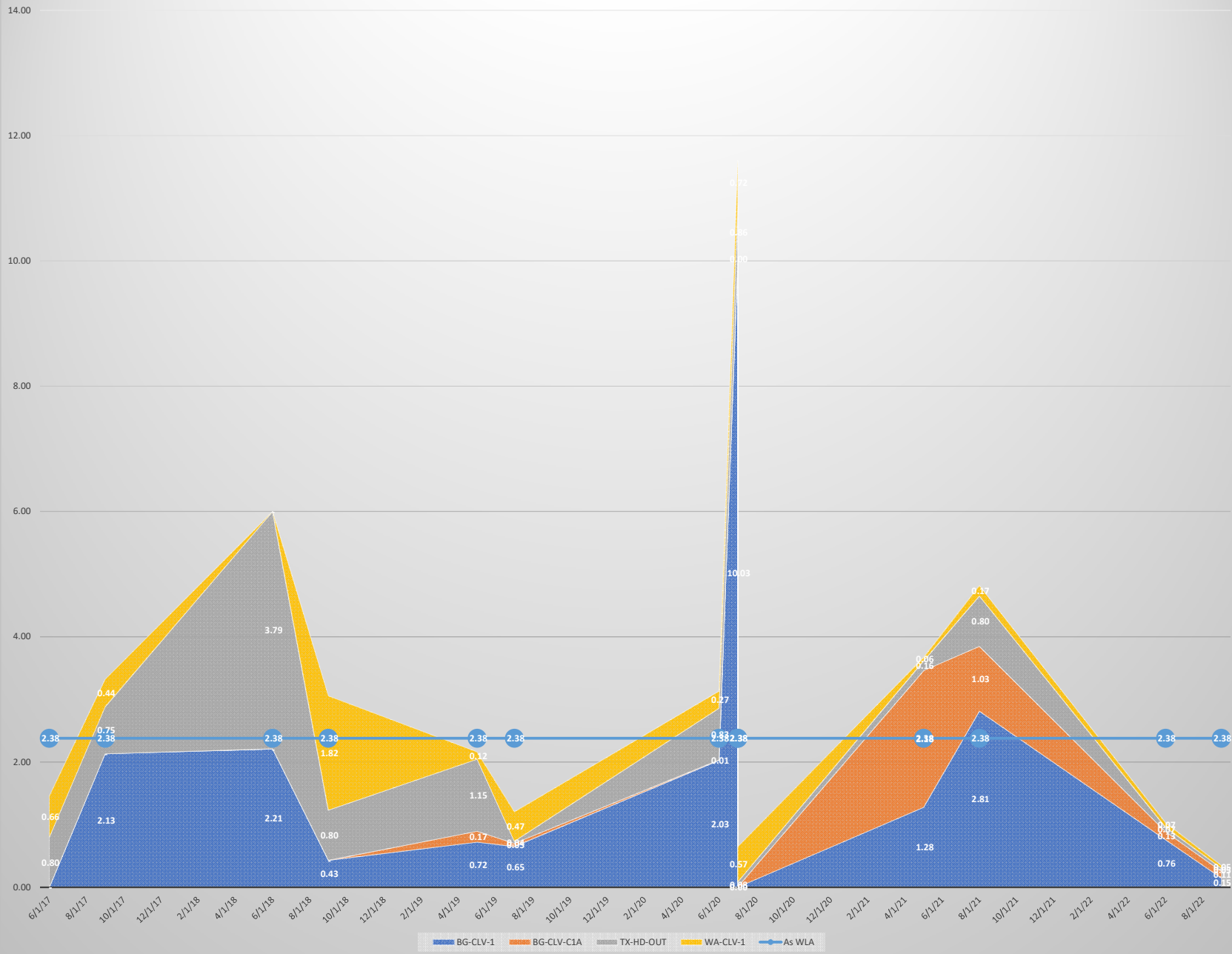


TMDL-Related Monitoring - Silver Bow Creek (Arco Sampling Results)

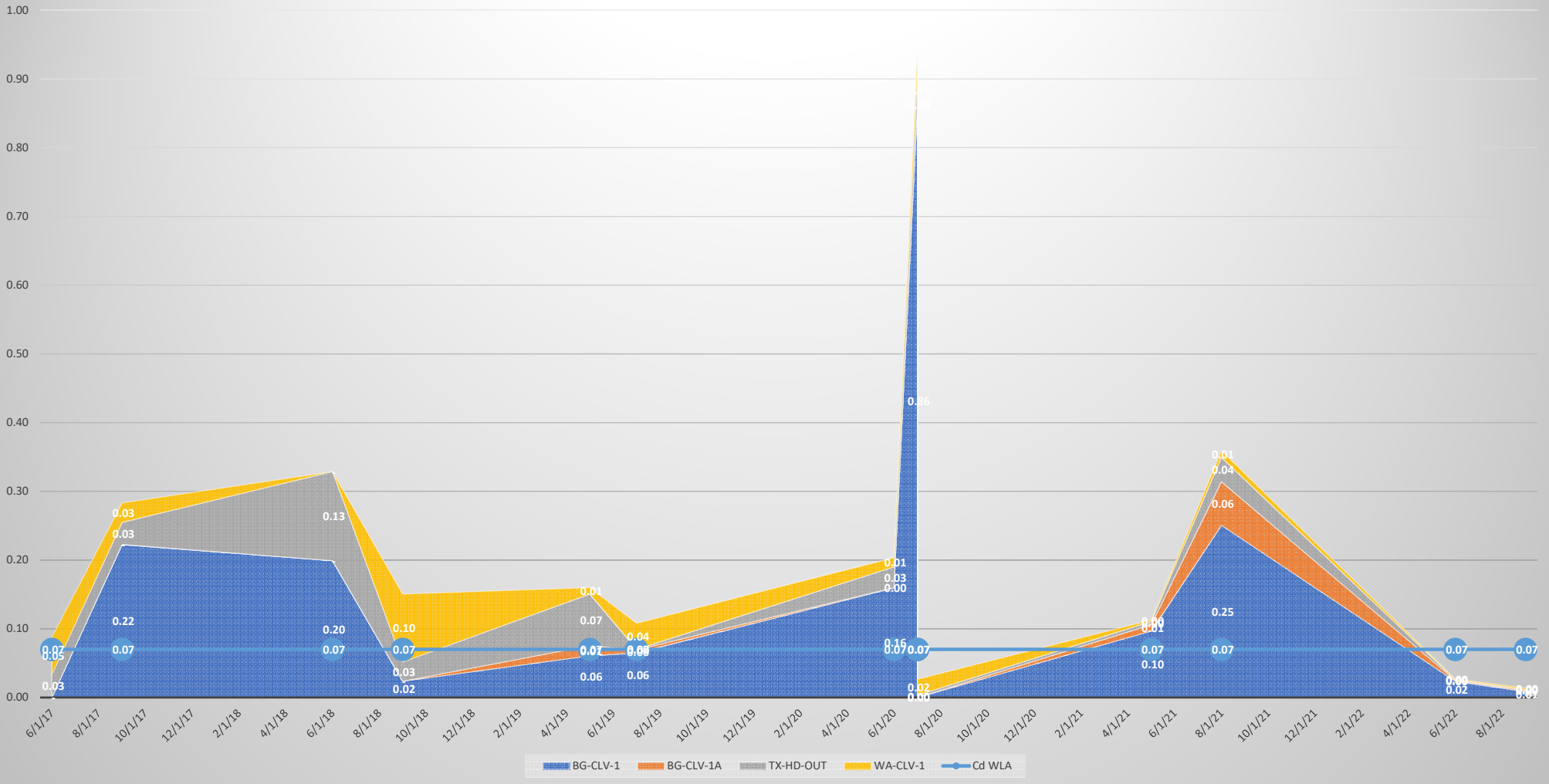
Testing Period	Sample Date	Arsenic (mg/l)	Cadmium (mg/l)	Copper (mg/L)	Mercury (mg/L)	Lead (mg/L)	Zinc (mg/L)	TSS (mg/L)
BG-CLV-1 West Buffalo Gulch								
January to July 2017	6/4/17	0.017	0.0020	0.18	0.00012	0.11	0.73	0.10
July to December 2017	9/30/17	0.041	0.0043	0.31	0.00025	0.30	1.36	2.46
January to July 2018	6/28/18	0.041	0.0037	0.29	0.00039	0.27	1.10	0.49
July to December 2018	9/20/18	0.006	0.0003	0.03	0.00005	0.02	0.12	0.02
January to July 2019	5/17/19	0.046	0.0039	0.42	0.00031	0.36	1.81	1.29
July to December 2019	7/8/19	0.046	0.0046	0.37	0.00053	0.30	1.70	0.62
January to July 2020	6/27/20	0.132	0.0104	1.16	0.00087	1.45	4.83	2.38
July to December 2020	7/10/20	0.166	0.0143	1.45	0.00139	2.09	5.80	2.91
January to July 2021	5/26/21	0.026	0.0019	0.23	0.00022	0.28	0.82	0.60
July to December 2021	8/1/21	0.033	0.0030	0.30	0.00037	0.36	1.28	0.56
January to July 2022	6/11/22	0.016	0.0005	0.06	0.00023	0.01	0.15	232.62
July to December 2022	9/29/22	0.003	0.0002	0.02	0.00016	0.00	0.08	479.08
BG-CLV-C1A East Buffalo Gulch								
January to July 2019	5/17/19	0.057	0.0049	0.64	0.00048	0.34	1.94	0.88
July to December 2019	7/8/19	0.037	0.0032	0.40	0.00038	0.17	1.26	0.30
January to July 2020	6/27/20	0.150	0.0078	2.54	0.00046	0.67	3.10	2.76
July to December 2020	7/10/20	0.065	0.0027	0.81	0.00040	0.21	1.01	0.98
January to July 2021	5/26/21	0.156	0.0007	0.21	0.00006	0.07	0.29	0.28
July to December 2021	8/1/21	0.033	0.0020	0.87	0.00020	0.17	0.82	0.80
January to July 2022	6/11/22	0.005	0.0001	0.02	0.00020	0.00	0.02	124.22
July to December 2022	9/29/22	0.005	0.0001	0.03	0.00008	0.00	0.03	247.83
TX-HD-OUT Texas Ave. (Greely area)								
January to July 2017	5/12/17	0.090	0.0038	1.52	0.00022	0.25	1.45	0.72
July to December 2017	9/14/17	0.045	0.0019	0.83	0.00019	0.12	0.67	0.58
January to July 2018	6/10/18	0.053	0.0018	0.68	0.00034	0.11	0.66	0.48
July to December 2018	8/27/18	0.022	0.0008	0.20	0.00022	0.02	0.20	0.09
January to July 2019	6/16/19	0.083	0.0054	2.30	0.00019	0.34	1.90	1.80
July to December 2019	8/10/19	0.018	0.0004	0.20	0.00015	0.02	0.19	0.13
January to July 2020	6/27/20	0.087	0.0032	1.54	0.00046	0.23	1.23	1.29
July to December 2020	7/10/20	0.052	0.0026	1.14	0.00020	0.18	0.93	0.88
January to July 2021	5/26/21	0.021	0.0006	0.35	0.00007	0.05	0.26	0.18
July to December 2021	8/1/21	0.079	0.0035	2.27	0.00025	0.30	1.26	1.72
January to July 2022	6/11/22	0.005	0.0001	0.02	0.00000	0.00	0.01	137.05
July to December 2022	9/29/22	0.005	0.0001	0.04	0.00008	0.00	0.02	240.00
WA-CLV-1 Warren Ave. & Anaconda Rd								
January to July 2017	4/24/17	0.116	0.0095	0.95	0.00024	0.37	1.64	0.56
July to December 2017	8/13/17	0.094	0.0060	0.99	0.00054	0.36	1.46	0.39
January to July 2018	5/4/18	0.042	0.0035	0.16	0.00012	0.03	0.34	0.00
July to December 2018	9/17/18	0.101	0.0055	0.84	0.00072	0.35	1.34	0.39
January to July 2019	5/25/19	0.109	0.0087	0.77	0.00100	0.36	1.57	0.52
July to December 2019	7/8/19	0.077	0.0062	0.78	0.00072	0.30	1.42	0.51
January to July 2020	6/27/20	0.070	0.0032	0.67	0.00083	0.22	0.98	0.34
July to December 2020	7/10/20	0.083	0.0034	0.74	0.00056	0.15	0.95	0.30
January to July 2021	5/26/21	0.014	0.0006	0.17	0.00013	0.05	0.21	0.11
July to December 2021	8/1/21	0.016	0.0010	0.14	0.00019	0.08	0.27	0.10
January to July 2022	6/11/22	0.005	0.0001	0.03	0.00009	0.00	0.02	54.76
July to December 2022	9/29/22	0.006	0.0003	0.05	0.00012	0.01	0.07	43.03

* ARCO has not released 2023 sampling data to the public. BG-CLV-C1A and WA-CLV-1 are no longer being monitored. Replaced with LC-CLV-1 and MSD-CLV-3A, respectively, for 2020-2022.

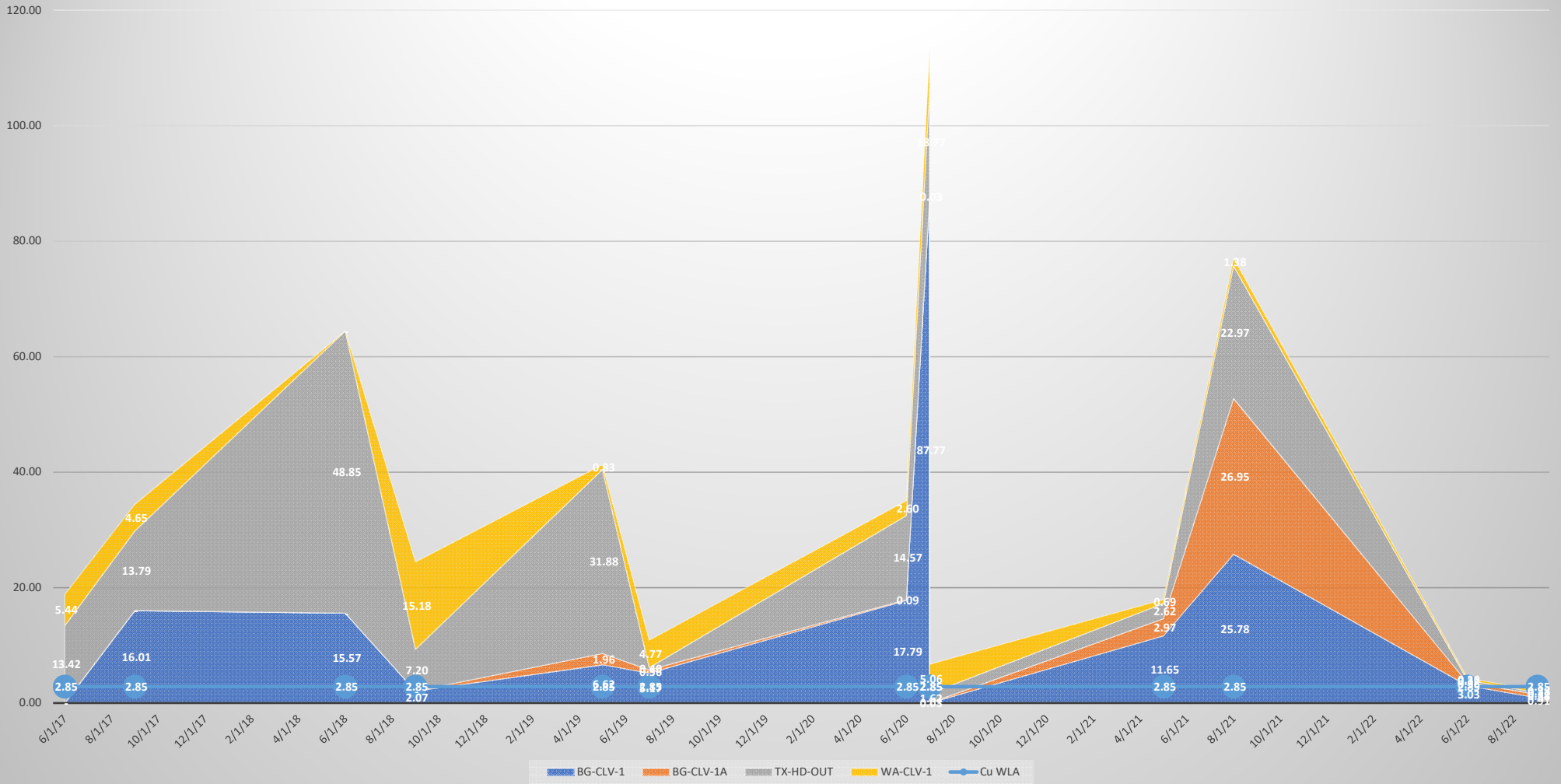
Arsenic Mass loading (lbs/day)



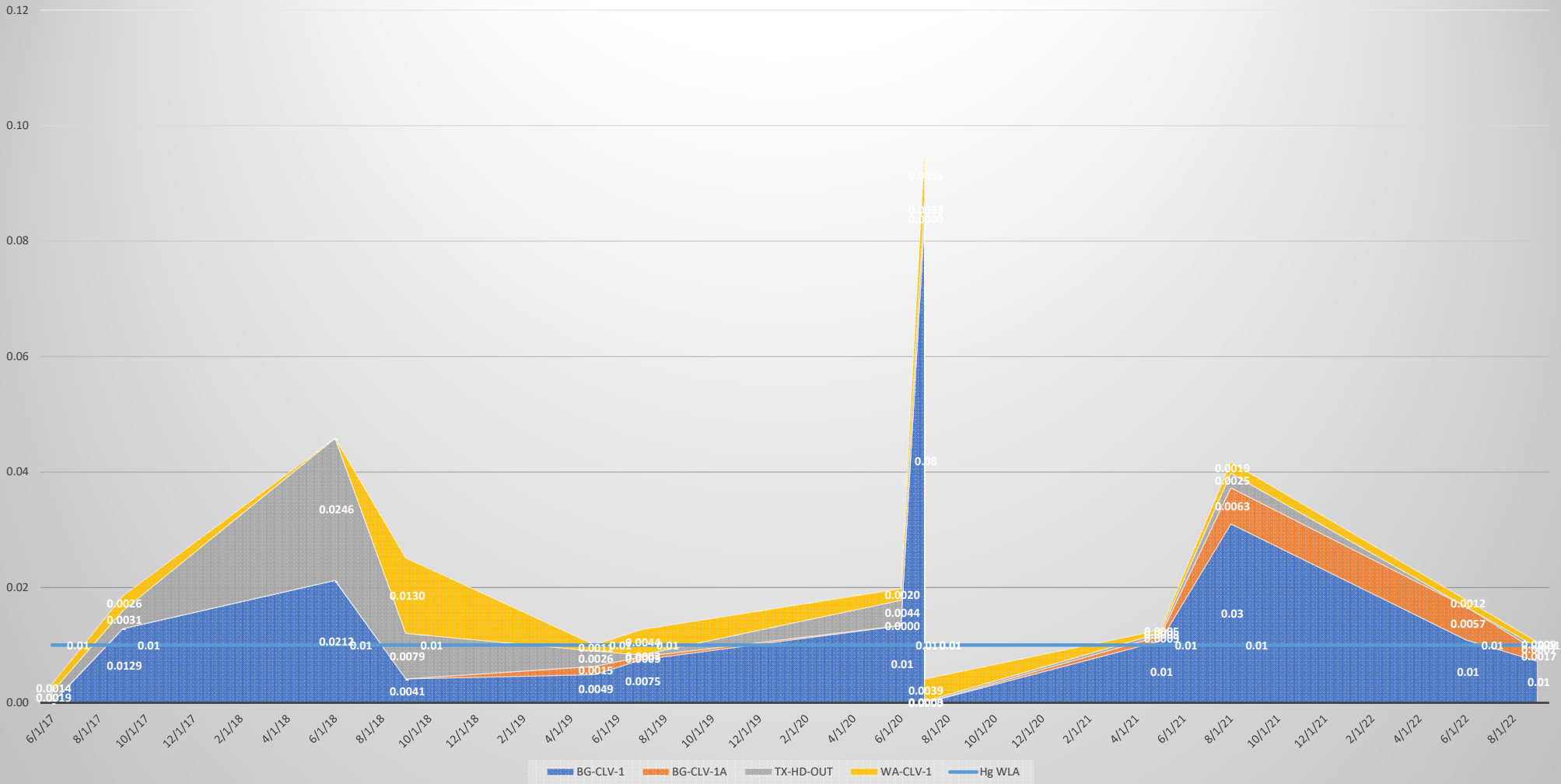
Cadmium Mass loading (lbs/day)



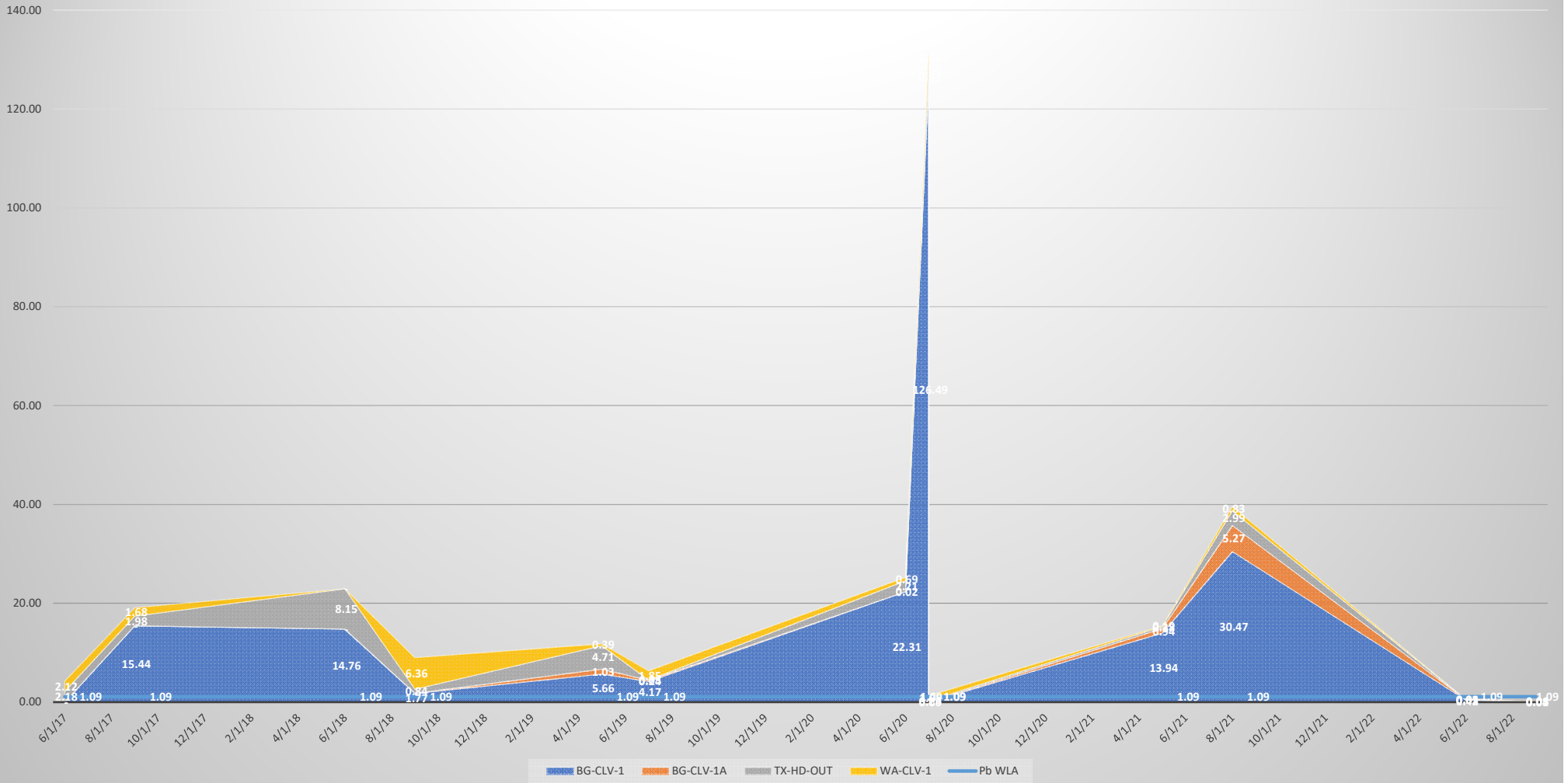
Copper Mass loading (lbs/day)



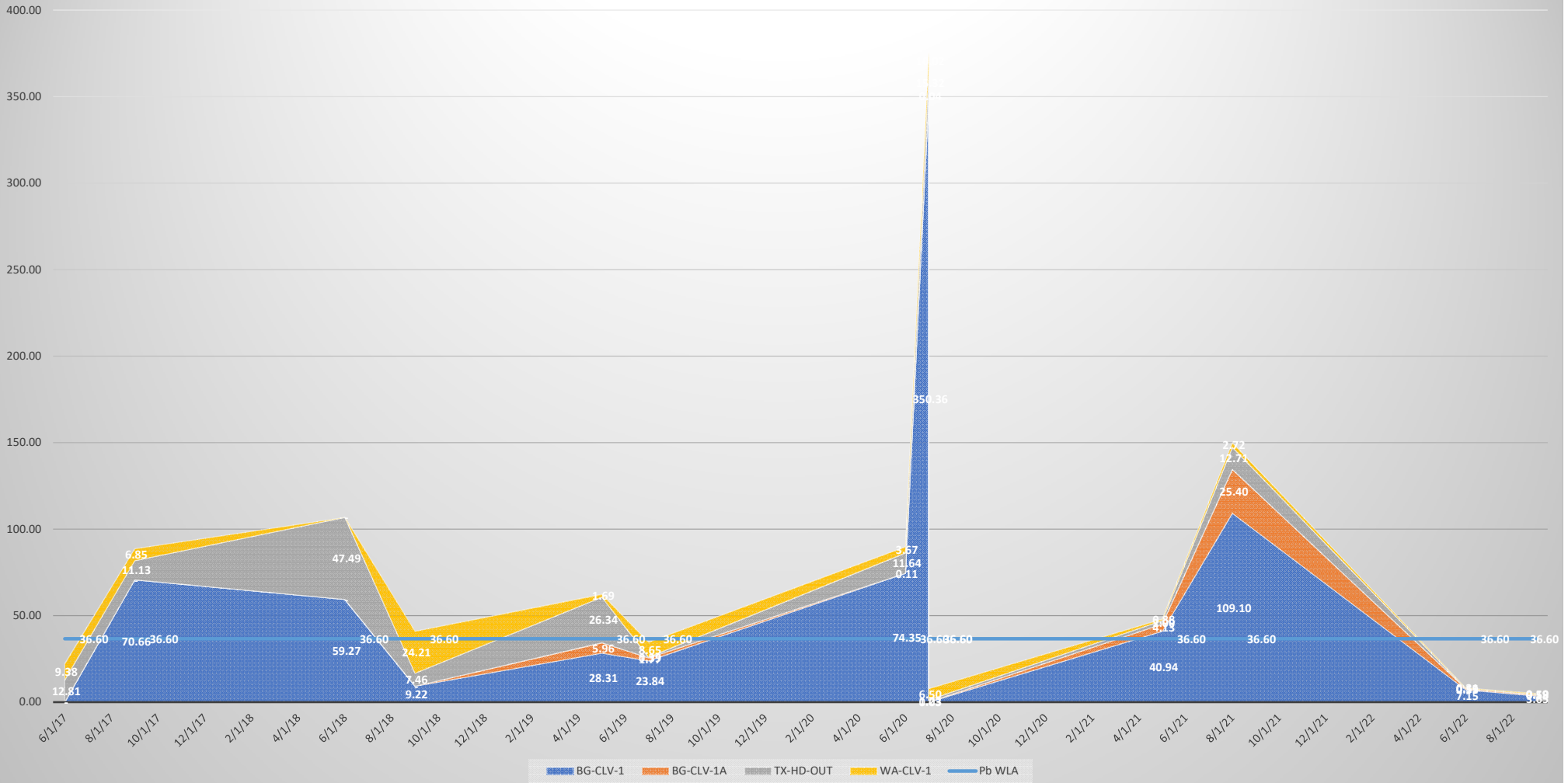
Mercury Mass loading (lbs/day)



Lead Mass loading (lbs/day)



Zinc Mass loading (lbs/day)



TSS Mass loading (lbs/day)

