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Summer 7-3-2021

Butte Treatment Lagoon System

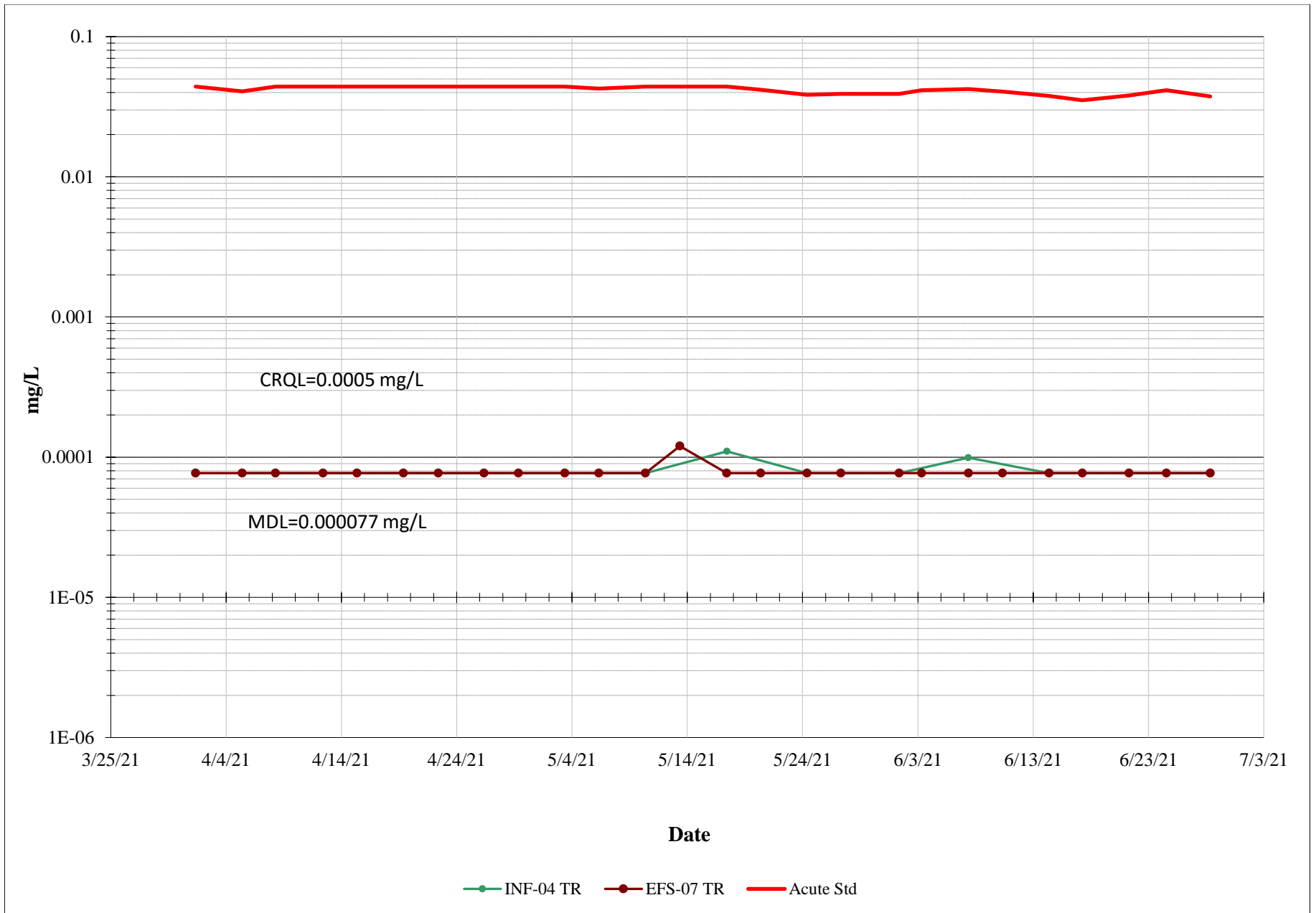
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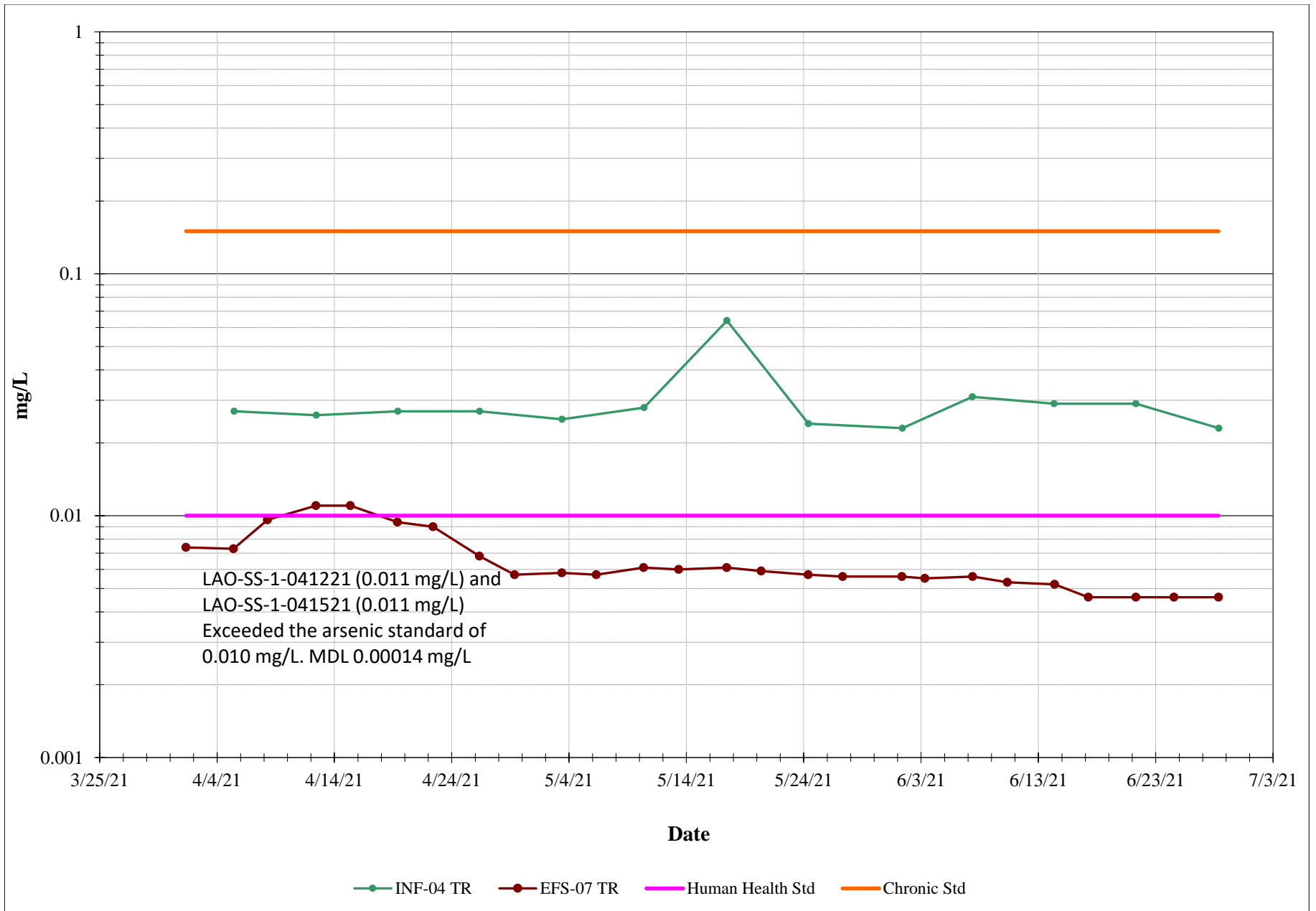
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Butte Treatment Lagoon System Silver Concentration- Final



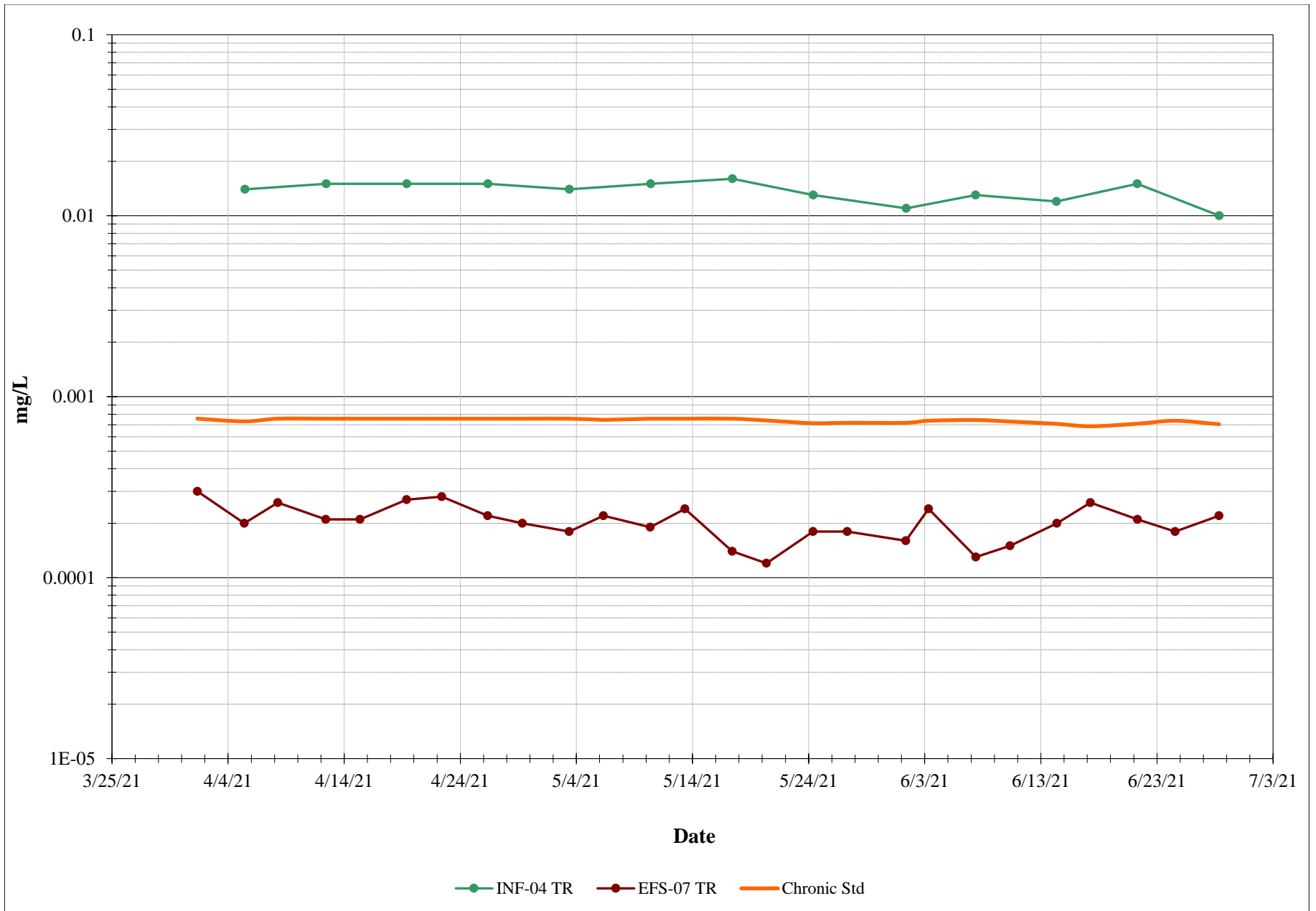
Silver maximum standard is DEQ-7 Acute Aquatic standard calculated based on effluent (EFS-07) hardness.

Butte Treatment Lagoon System Arsenic Concentration- Final



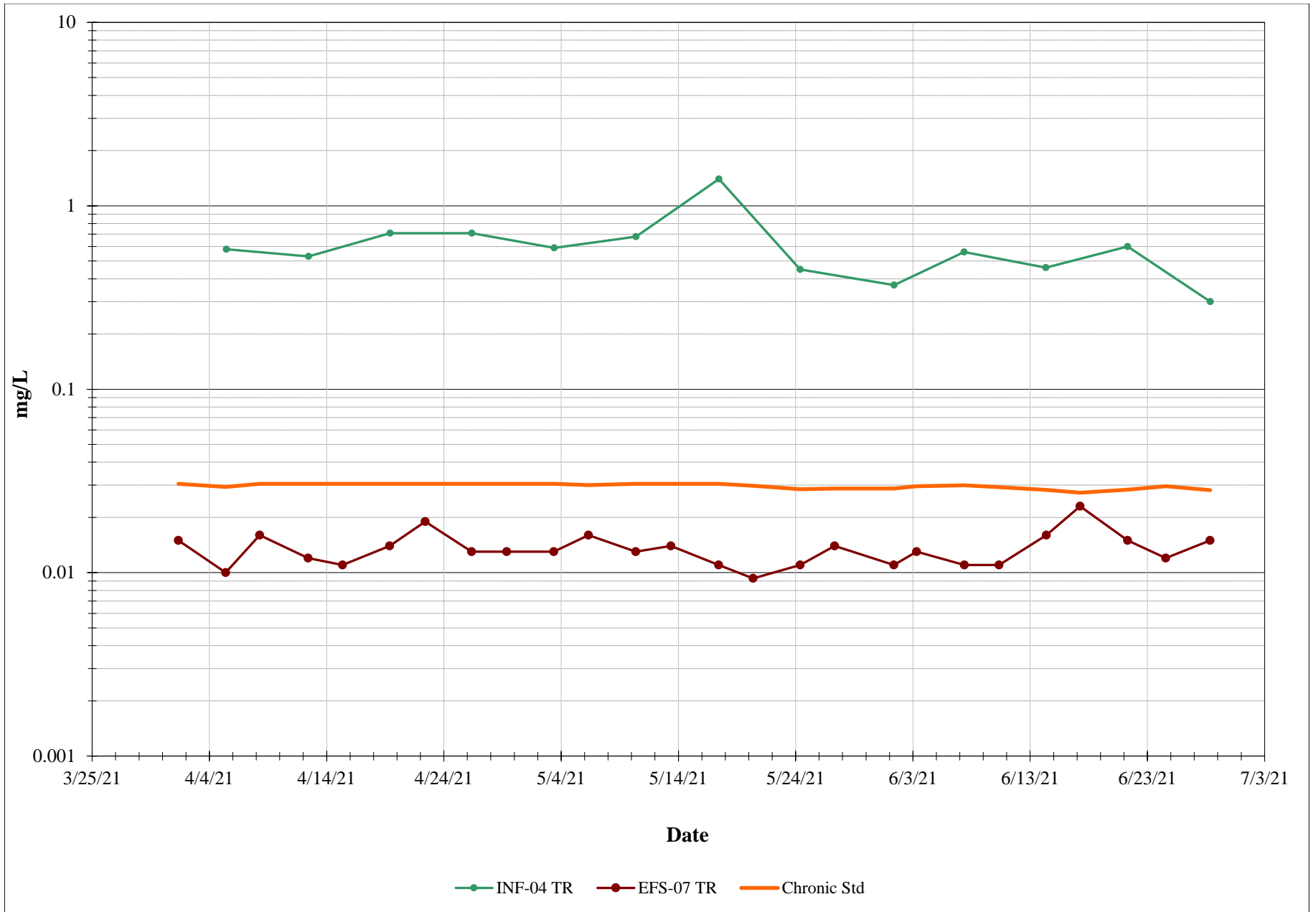
Arsenic maximum standard is DEQ-7 Human Health standard.

Butte Treatment Lagoon System Cadmium Concentration- Final



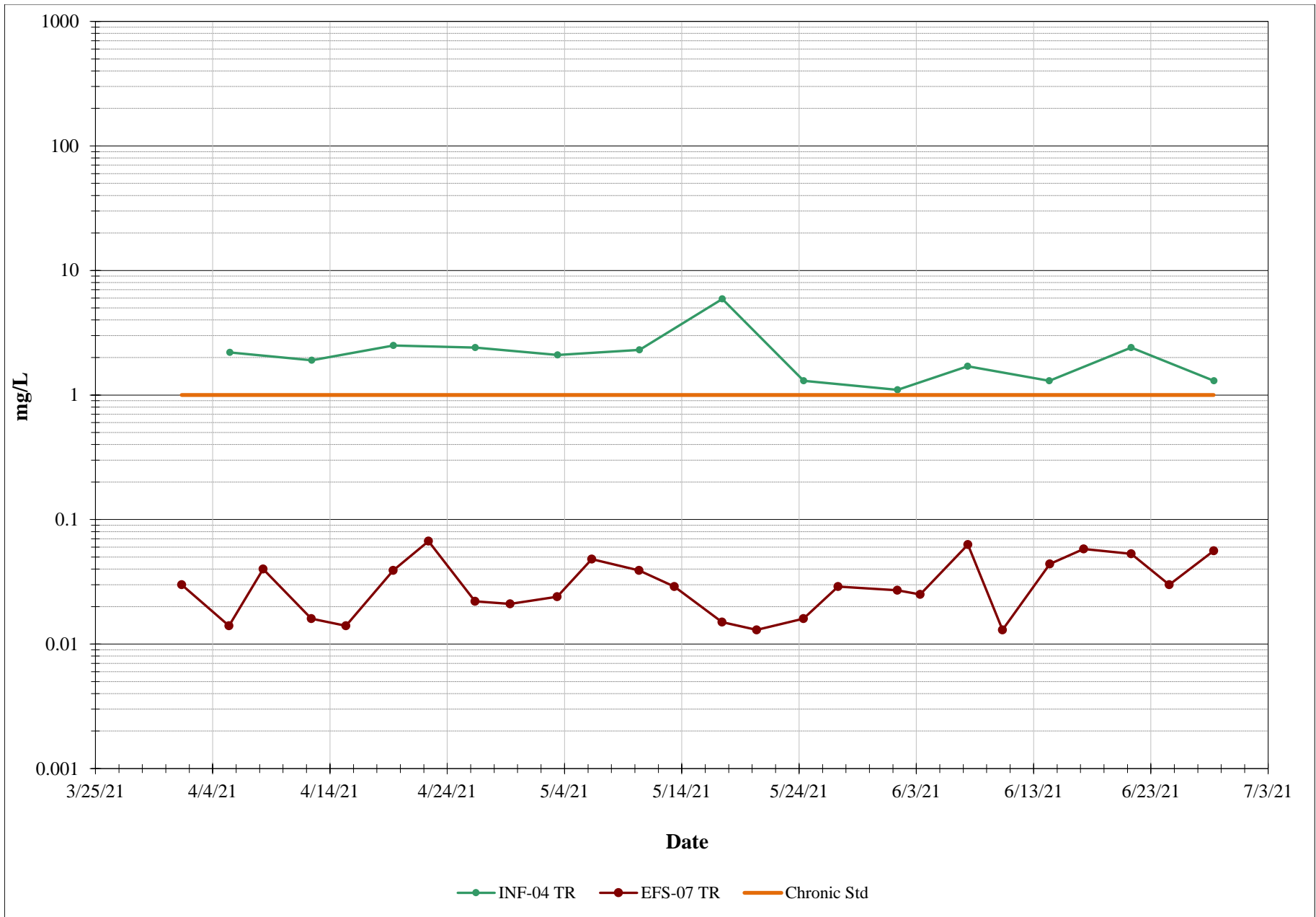
Cadmium maximum standard is DEQ-7 Chronic Aquatic standard calculated based on effluent (EFS-07) hardness.

Butte Treatment Lagoon System Copper Concentration- Final



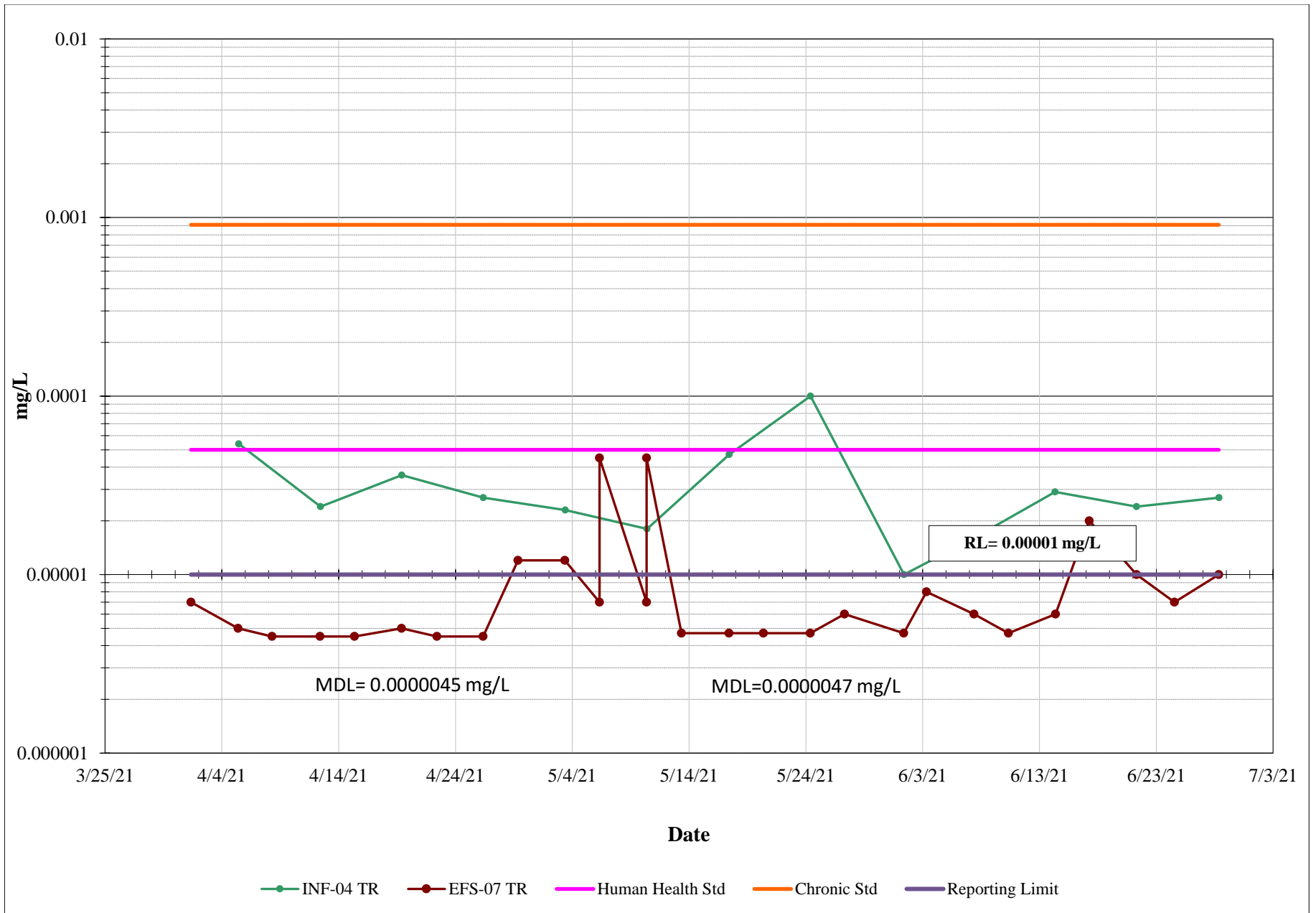
Copper maximum standard is DEQ-7 Chronic Aquatic standard calculated based on effluent (EFS-07) hardness.

Butte Treatment Lagoon System Iron Concentration- Final



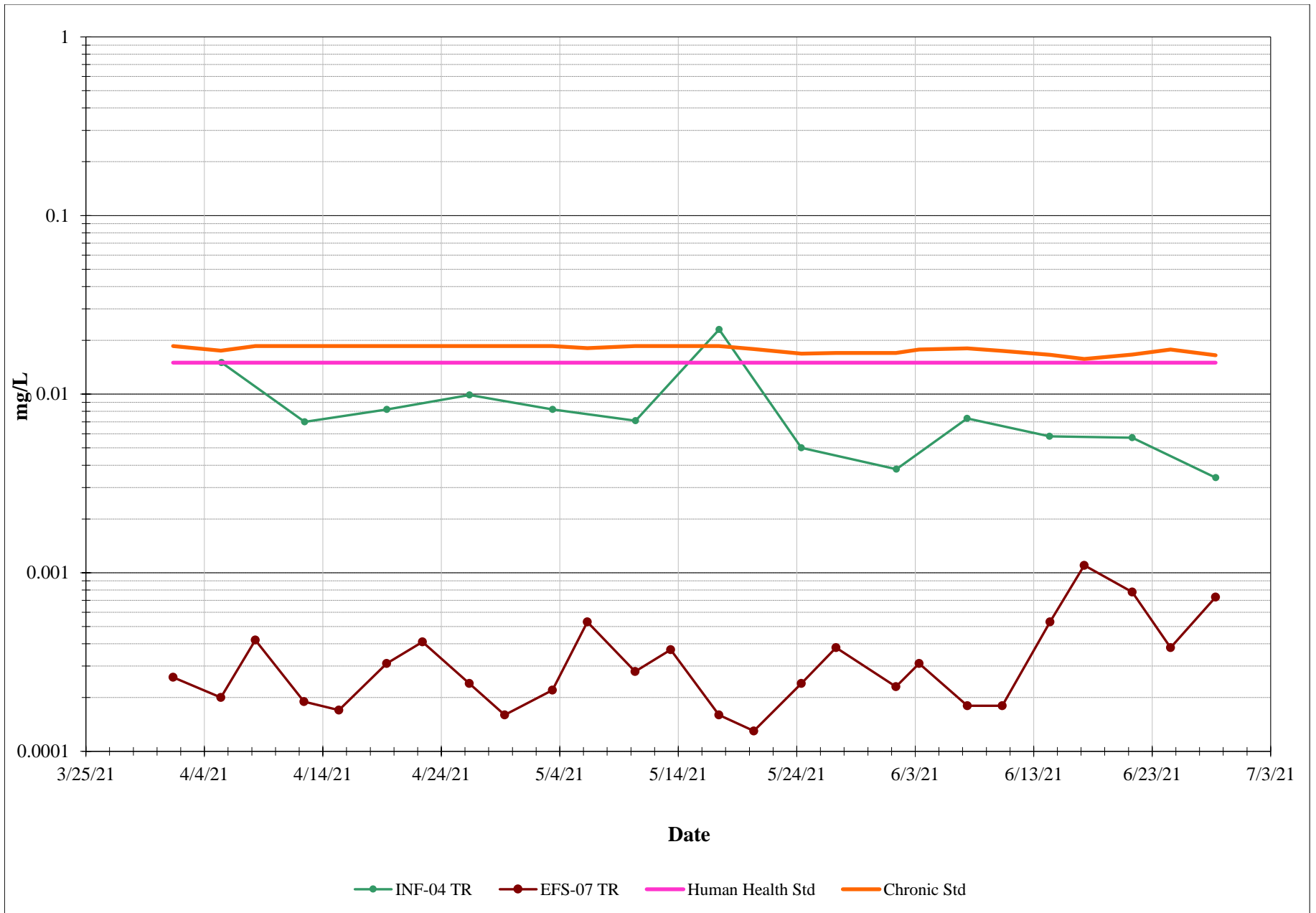
Iron maximum standard is DEQ-7 Chronic Aquatic standard, Non-priority Pollutant value, 1.0 mg/L.

Butte Treatment Lagoon System
Mercury Concentration- Final



Mercury maximum standard is DEQ-7 Human Health standard.

Butte Treatment Lagoon System Lead Concentration- Final



Lead maximum standard is DEQ-7 Human Health standard. Chronic Aquatic Life standard calculated based on effluent (EFS-07) hardness.

Workorder	FracID	ClientSampID	DataCollected	DataReceived
10559768	10559768001	LAO-SS-1-050621	05/06/2021 07:50	05/11/2021
10559768	10559768001	LAO-SS-1-050621	05/06/2021 07:50	05/11/2021
10559768	10559768002	LAO-SS-1-051021	05/10/2021 08:40	05/11/2021
10559768	10559768002	LAO-SS-1-051021	05/10/2021 08:40	05/11/2021

Analyte	Type	Result	ConQual	MDL	CRQL	R_Units
Mercury	Total	0.000007	H1,H2J	0.0000047	0.00001	mg/L
Mercury	Total	0.000045	MDU	0.000045	0.0002	mg/L
Mercury	Total	0.000007	H1J	0.0000047	0.00001	mg/L
Mercury	Total	0.000045	MDU	0.000045	0.0002	mg/L

DF	TestNo	AnalDate	Instrument	Initials	PrepCodeNo	PrepDate	BatchID
1	EPA 245.1	06/08/2021	10HG08	LMW	EPA 245.1	06/07/2021	MERP/33906
1	EPA 245.1	06/03/2021	10HG08	LMW	EPA 245.1	06/03/2021	MERP/33888
1	EPA 245.1	06/08/2021	10HG08	LMW	EPA 245.1	06/07/2021	MERP/33906
1	EPA 245.1	06/03/2021	10HG08	LMW	EPA 245.1	06/03/2021	MERP/33888

BatchNo	R_Matrix	RunNo	SeqNo	TestCode	SigFigs	MaxNumDec	TestNum
MERP/33906	Aqueous			EPA 245.1	2		MERP/33906
MERP/33888	Aqueous			EPA 245.1	2		MERP/33888
MERP/33906	Aqueous			EPA 245.1	2		MERP/33906
MERP/33888	Aqueous			EPA 245.1	2		MERP/33888

ParentSampID SampComments Pmoist TagNo

InfGraphData

Do Not Move, Add, or Remove any Columns After "Date" without Updating the Column Name Defi

Station	Field Sample ID	EntryEvent/Lab Sample ID	Date	Hardness
INF-04	LAO-SS-2-040521		4/5/2021	470
INF-04	LAO-SS-2-041221		4/12/2021	460
INF-04	LAO-SS-2-041921		4/19/2021	497
INF-04	LAO-SS-2-042621		4/26/2021	513
INF-04	LAO-SS-2-050321		5/3/2021	482
INF-04	LAO-SS-2-051021		5/10/2021	477
INF-04	LAO-SS-2-051721		5/17/2021	502
INF-04	LAO-SS-2-052421		5/24/2021	418
INF-04	LAO-SS-2-060121		6/1/2021	449
INF-04	LAO-SS-2-060721		6/7/2021	496
INF-04	LAO-SS-2-061421		6/14/2021	457
INF-04	LAO-SS-2-062121		6/21/2021	428
INF-04	LAO-SS-2-062821		6/28/2021	433

InfGraphData

initions - Do Not Remove the "Count" that the Definitions Reference -->

Sample Type	Dis Ag	TR Ag	Dis Al	TR Al	Dis As	TR As	Dis Cd	TR Cd	Dis Cu
		0.000077		0.12		0.027		0.014	
		0.000077		0.087		0.026		0.015	
		0.000077		0.12		0.027		0.015	
		0.000077		0.11		0.027		0.015	
		0.000077		0.1		0.025		0.014	
		0.000077		0.11		0.028		0.015	
		0.00011		0.33		0.064		0.016	
		0.000077		0.085		0.024		0.013	
		0.000077		0.043		0.023		0.011	
		0.000099		0.091		0.031		0.013	
		0.000077		0.065		0.029		0.012	
		0.000077		0.085		0.029		0.015	
		0.000077		0.038		0.023		0.01	

InflGraphData

TR Cu	Dis Fe	TR Fe	Dis Hg	TR Hg	Dis Pb	TR Pb	Dis Zn	TR Zn	Do Not D Count Chart Cells
0.58		2.2		0.000054		0.015		4.3	
0.53		1.9		0.000024		0.007		4.6	
0.71		2.5		0.000036		0.0082		4.9	
0.71		2.4		0.000027		0.0099		5.2	
0.59		2.1		0.000023		0.0082		4.3	
0.68		2.3		0.000018		0.0071		4.9	
1.4		5.9		0.000047		0.023		5.5	
0.45		1.3		0.0001		0.005		3.9	
0.37		1.1		0.00001		0.0038		3.4	
0.56		1.7		0.000016		0.0073		4	
0.46		1.3		0.000029		0.0058		3.6	
0.6		2.4		0.000024		0.0057		3.8	
0.3		1.3		0.000027		0.0034		3.1	

delete!

26

EfflGraphData

Do Not Move, Add, or Remove any Columns After "Date" without Updating the Column Name Definition

Station	FieldID	EntryEvent/Lab Sample ID	Date	Hardness	Sample Type	Dis Ag
EFS-07	LAO-SS-1-040121		4/1/2021	415		
EFS-07	LAO-SS-1-040521		4/5/2021	382		
EFS-07	LAO-SS-1-040821		4/8/2021	434		
EFS-07	LAO-SS-1-041221		4/12/2021	410		
EFS-07	LAO-SS-1-041521		4/15/2021	447		
EFS-07	LAO-SS-1-041921		4/19/2021	427		
EFS-07	LAO-SS-1-042221		4/22/2021	443		
EFS-07	LAO-SS-1-042621		4/26/2021	422		
EFS-07	LAO-SS-1-042921		4/29/2021	406		
EFS-07	LAO-SS-1-050321		5/3/2021	407		
EFS-07	LAO-SS-1-050621	out of hold	5/6/2021	392		
EFS-07	LAO-SS-1-050621	method 245.1	5/6/2021	392		
EFS-07	LAO-SS-1-051021	out of hold	5/10/2021	442		
	LAO-SS-1-051021	method 245.1	5/10/2021	442		
EFS-07	LAO-SS-1-051321		5/13/2021	420		
EFS-07	LAO-SS-1-051721		5/17/2021	414		
EFS-07	LAO-SS-1-052021		5/20/2021	388		
EFS-07	LAO-SS-1-052421		5/24/2021	370		
EFS-07	LAO-SS-1-052721		5/27/2021	373		
EFS-07	LAO-SS-1-060121		6/1/2021	373		
EFS-07	LAO-SS-1-060321		6/3/2021	386		
EFS-07	LAO-SS-1-060721		6/7/2021	391		
EFS-07	LAO-SS-1-061021		6/10/2021	381		
EFS-07	LAO-SS-1-061421		6/14/2021	366		
EFS-07	LAO-SS-1-061721		6/17/2021	351		
EFS-07	LAO-SS-1-062121		6/21/2021	367		
EFS-07	LAO-SS-1-062421		6/24/2021	386		
EFS-07	LAO-SS-1-062821		6/28/2021	364		

EfflGraphData

s - Do Not Remove the "Count" that the Definitions Reference -->

TR Ag	Dis Al	TR Al	Dis As	TR As	Dis Cd	TR Cd	Dis Cu	TR Cu	Dis Fe
0.000077		0.027		0.0074		0.0003		0.015	
0.000077		0.02		0.0073		0.0002		0.01	
0.000077		0.015		0.0096		0.00026		0.016	
0.000077		0.008		0.011		0.00021		0.012	
0.000077		0.014		0.011		0.00021		0.011	
0.000077		0.017		0.0094		0.00027		0.014	
0.000077		0.025		0.009		0.00028		0.019	
0.000077		0.0088		0.0068		0.00022		0.013	
0.000077		0.0071		0.0057		0.0002		0.013	
0.000077		0.0071		0.0058		0.00018		0.013	
0.000077		0.018		0.0057		0.00022		0.016	
0.000077		0.012		0.0061		0.00019		0.013	
0.00012		0.012		0.006		0.00024		0.014	
0.000077		0.0071		0.0061		0.00014		0.011	
0.000077		0.0076		0.0059		0.00012		0.0093	
0.000077		0.0071		0.0057		0.00018		0.011	
0.000077		0.025		0.0056		0.00018		0.014	
0.000077		0.0073		0.0056		0.00016		0.011	
0.000077		0.013		0.0055		0.00024		0.013	
0.000077		0.0071		0.0056		0.00013		0.011	
0.000077		0.0071		0.0053		0.00015		0.011	
0.000077		0.026		0.0052		0.0002		0.016	
0.000077		0.038		0.0046		0.00026		0.023	
0.000077		0.033		0.0046		0.00021		0.015	
0.000077		0.021		0.0046		0.00018		0.012	
0.000077		0.036		0.0046		0.00022		0.015	

EfflGraphData

TR Fe	Dis Hg	TR Hg	Dis Pb	TR Pb	Dis Zn	TR Zn	Ag Acute	Ag HH HA ¹
0.03		0.000007		0.00026		0.071	0.044	0.100
0.014		0.000005		0.0002		0.047	0.041	0.100
0.04		0.0000045		0.00042		0.074	0.044	0.100
0.016		0.0000045		0.00019		0.05	0.044	0.100
0.014		0.0000045		0.00017		0.053	0.044	0.100
0.039		0.000005		0.00031		0.07	0.044	0.100
0.067		0.0000045		0.00041		0.093	0.044	0.100
0.022		0.0000045		0.00024		0.066	0.044	0.100
0.021		0.000012		0.00016		0.055	0.044	0.100
0.024		0.000012		0.00022		0.05	0.044	0.100
0.048		0.000007		0.00053		0.061	0.043	0.100
		0.000045					0.043	0.100
0.039		0.000007		0.00028		0.048	0.044	0.100
		0.000045					0.044	0.100
0.029		0.0000047		0.00037		0.063	0.044	0.100
0.015		0.0000047		0.00016		0.042	0.044	0.100
0.013		0.0000047		0.00013		0.032	0.042	0.100
0.016		0.0000047		0.00024		0.04	0.039	0.100
0.029		0.000006		0.00038		0.053	0.039	0.100
0.027		0.0000047		0.00023		0.033	0.039	0.100
0.025		0.000008		0.00031		0.055	0.041	0.100
0.063		0.000006		0.00018		0.03	0.042	0.100
0.013		0.0000047		0.00018		0.036	0.041	0.100
0.044		0.000006		0.00053		0.059	0.038	0.100
0.058		0.00002		0.0011		0.072	0.035	0.100
0.053		0.00001		0.00078		0.06	0.038	0.100
0.03		0.000007		0.00038		0.051	0.041	0.100
0.056		0.00001		0.00073		0.066	0.037	0.100

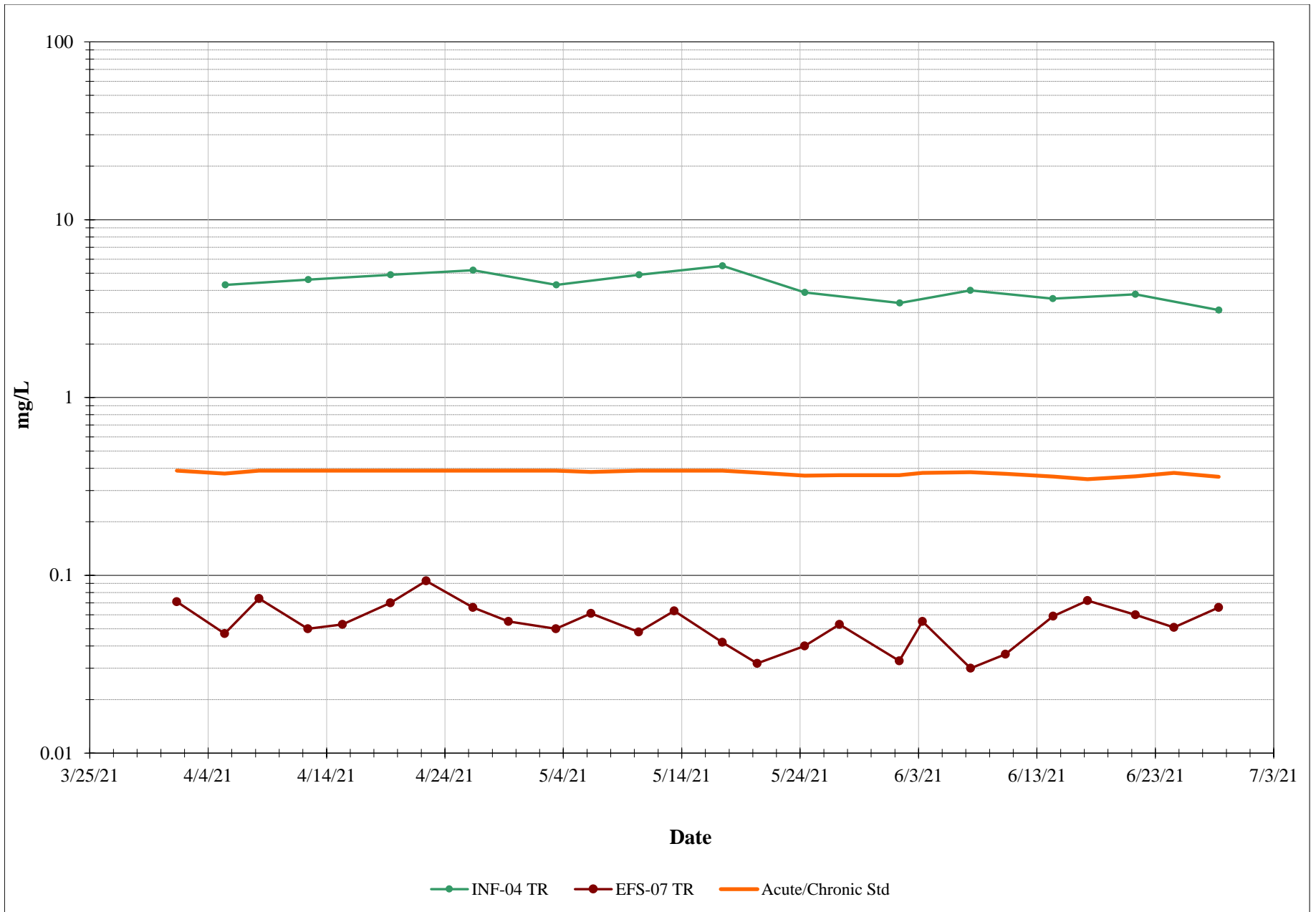
EfflGraphData

Al Acute ²	Al Chronic ²	As HH	As Acute	As Chronic	Cd HH	Cd Acute	Cd Chronic	Cu Acute	Cu Chronic
0.750	0.087	0.010	0.340	0.150	0.0050	0.0087	0.00076	0.0517	0.0305
0.750	0.087	0.010	0.340	0.150	0.0050	0.0083	0.00073	0.0495	0.0293
0.750	0.087	0.010	0.340	0.150	0.0050	0.0087	0.00076	0.0517	0.0305
0.750	0.087	0.010	0.340	0.150	0.0050	0.0087	0.00076	0.0517	0.0305
0.750	0.087	0.010	0.340	0.150	0.0050	0.0087	0.00076	0.0517	0.0305
0.750	0.087	0.010	0.340	0.150	0.0050	0.0087	0.00076	0.0517	0.0305
0.750	0.087	0.010	0.340	0.150	0.0050	0.0087	0.00076	0.0517	0.0305
0.750	0.087	0.010	0.340	0.150	0.0050	0.0087	0.00076	0.0517	0.0305
0.750	0.087	0.010	0.340	0.150	0.0050	0.0087	0.00076	0.0517	0.0305
0.750	0.087	0.010	0.340	0.150	0.0050	0.0087	0.00076	0.0517	0.0305
0.750	0.087	0.010	0.340	0.150	0.0050	0.0087	0.00076	0.0517	0.0305
0.750	0.087	0.010	0.340	0.150	0.0050	0.0086	0.00074	0.0507	0.0300
0.750	0.087	0.010	0.340	0.150	0.0050	0.0086	0.00074	0.0507	0.0300
0.750	0.087	0.010	0.340	0.150	0.0050	0.0087	0.00076	0.0517	0.0305
0.750	0.087	0.010	0.340	0.150	0.0050	0.0087	0.00076	0.0517	0.0305
0.750	0.087	0.010	0.340	0.150	0.0050	0.0087	0.00076	0.0517	0.0305
0.750	0.087	0.010	0.340	0.150	0.0050	0.0087	0.00076	0.0517	0.0305
0.750	0.087	0.010	0.340	0.150	0.0050	0.0085	0.00074	0.0502	0.0297
0.750	0.087	0.010	0.340	0.150	0.0050	0.0081	0.00071	0.0480	0.0285
0.750	0.087	0.010	0.340	0.150	0.0050	0.0081	0.00072	0.0484	0.0287
0.750	0.087	0.010	0.340	0.150	0.0050	0.0081	0.00072	0.0484	0.0287
0.750	0.087	0.010	0.340	0.150	0.0050	0.0084	0.00074	0.0500	0.0296
0.750	0.087	0.010	0.340	0.150	0.0050	0.0085	0.00074	0.0506	0.0299
0.750	0.087	0.010	0.340	0.150	0.0050	0.0083	0.00073	0.0494	0.0293
0.750	0.087	0.010	0.340	0.150	0.0050	0.0080	0.00071	0.0475	0.0283
0.750	0.087	0.010	0.340	0.150	0.0050	0.0076	0.00069	0.0457	0.0273
0.750	0.087	0.010	0.340	0.150	0.0050	0.0080	0.00071	0.0477	0.0283
0.750	0.087	0.010	0.340	0.150	0.0050	0.0084	0.00074	0.0500	0.0296
0.750	0.087	0.010	0.340	0.150	0.0050	0.0079	0.00070	0.0473	0.0281

EfflGraphData

								Do Not Delete!	
Fe NPP³	Hg HH	Hg Acute	Hg Chronic	Pb HH	Pb Acute	Pb Chronic	Zinc Acute/Chronic	Count	53
Chart Cells									
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.450	0.018	0.373	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.465	0.018	0.381	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.465	0.018	0.381	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.477	0.019	0.388	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.459	0.018	0.378	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.432	0.017	0.363	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.436	0.017	0.366	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.436	0.017	0.366	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.456	0.018	0.376	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.463	0.018	0.380	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.448	0.017	0.372	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.426	0.017	0.360	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.404	0.016	0.347	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.427	0.017	0.361	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.456	0.018	0.376	0.00001	
1.000	0.00005	0.0017	0.00091	0.015	0.423	0.016	0.358	0.00001	

Butte Treatment Lagoon System Zinc Concentration- Final



Zinc maximum standard is DEQ-7 Acute/Chronic standard calculated based on effluent (EFS-07) hardness.