Evaluation of TCLP Data Provided By Horsehead (mg/L)
-- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Antimony Treated	Antimony (LN)	Arsenic Treated	Arsenic (LN)	Barium Treated	Barium (LN)	Beryllium Treated	Beryllium (LN)	Cadmium Treated	Cadmium (LN)
1	HRD	0.21	-1.5606	< 0.02	-3.9120	1.76	0.5653	< 0.001	-6.9078	< 0.02	-3.9120
2	HRD	0.01	-4.6052	< 0.02	-3.9120	1.6	0.4700	< 0.001	-6.9078	< 0.02	-3.9120
3	HRD	< 0.1	-2.3026	< 0.02	-3.9120			< 0.001	-6.9078	< 0.02	-3.9120
4	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.58	-0.5447	< 0.001	-6.9078	< 0.02	-3.9120
5	HRD	0.01	-4.6052	< 0.02	-3.9120	0.55	-0.5978	< 0.001	-6.9078	< 0.02	-3.9120
6	HRD	0.13	-2.0402	0.02	-3.9120	2.05	0.7178	< 0.001	-6.9078	< 0.02	-3.9120
7	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.52	0.4187	< 0.001	-6.9078	< 0.02	-3.9120
8	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.4	-0.9163	< 0.001	-6.9078	< 0.02	-3.9120
9	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.64	-0.4463	< 0.001	-6.9078	< 0.02	-3.9120
10	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.52	0.4187	< 0.001	-6.9078	< 0.02	-3.9120
11	HRD	0.13	-2.0402	< 0.02	-3.9120	1.63	0.4886	< 0.001	-6.9078	< 0.02	-3.9120
12	HRD	< 0.1	-2.3026	< 0.02	-3.9120	0.86	-0.1508	< 0.001	-6.9078	< 0.02	-3.9120
13	HRD	< 0.1	-2.3026	< 0.02	-3.9120	0.69	-0.3711	< 0.001	-6.9078	< 0.02	-3.9120
14	HRD	0.18	-1.7148			1.34	0.2927			< 0.02	-3.9120
15	HRD	< 0.01	-4.6052	< 0.02	-3.9120			< 0.001	-6.9078	< 0.02	-3.9120
16	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.53	0.4253	< 0.001	-6.9078	< 0.02	-3.9120
17	HRD	0.02	-3.9120	< 0.02	-3.9120	0.38	-0.9676	< 0.001	-6.9078	< 0.02	-3.9120
18	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.45	-0.7985	< 0.001	-6.9078	< 0.02	-3.9120
19	HRD	0.11	-2.2073	< 0.02	-3.9120	2.13	0.7561	< 0.001	-6.9078	< 0.02	-3.9120
20	HRD	< 0.1	-2.3026	< 0.02	-3.9120	0.98	-0.0202	< 0.001	-6.9078	< 0.02	-3.9120
21	HRD	0.23	-1.4697	0.03	-3.5066	1.75	0.5596	< 0.001	-6.9078	< 0.02	-3.9120
22	HRD	0.12	-2.1203	< 0.02	-3.9120	4.94	1.5974	< 0.001	-6.9078	< 0.02	-3.9120
23	HRD	0.01	-4.6052	< 0.02	-3.9120	1.39	0.3293	< 0.001	-6.9078	< 0.02	-3.9120
24	HRD	< 0.1	-2.3026	< 0.02	-3.9120	2.67	0.9821	< 0.001	-6.9078	< 0.02	-3.9120
25	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.99	0.6881	< 0.001	-6.9078	< 0.02	-3.9120
26	HRD	0.25	-1.3863	0.02	-3.9120	1.65	0.5008	< 0.001	-6.9078	< 0.02	-3.9120
27	HRD	0.1	-2.3026	< 0.02	-3.9120	2.84	1.0438	< 0.001	-6.9078	< 0.02	-3.9120
28	HRD	0.21	-1.5606	< 0.02	-3.9120	2.2	0.7885	< 0.001	-6.9078	< 0.02	-3.9120
29	HRD	< 0.1	-2.3026	< 0.02	-3.9120	0.92	-0.0834	< 0.001	-6.9078	< 0.02	-3.9120
30	HRD	< 0.1	-2.3026	< 0.02	-3.9120	0.62	-0.4780	< 0.001	-6.9078	< 0.02	-3.9120
31	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.94	0.6627	< 0.001	-6.9078	< 0.02	-3.9120
32	HRD	< 0.1	-2.3026	< 0.02	-3.9120	2.12	0.7514	< 0.001	-6.9078	< 0.02	-3.9120
33	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.5	-0.6931	< 0.001	-6.9078	< 0.02	-3.9120
34	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.66	0.5068	< 0.001	-6.9078	< 0.02	-3.9120
35	HRD	0.12	-2.1203	< 0.02	-3.9120	1.74	0.5539	< 0.001	-6.9078	< 0.02	-3.9120
36	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.61	0.4762	< 0.001	-6.9078	< 0.02	-3.9120
37	HRD	< 0.1	-2.3026	< 0.02	-3.9120			< 0.001	-6.9078	< 0.02	-3.9120
38	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.35	0.3001	< 0.001	-6.9078	< 0.02	-3.9120
39	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.39	0.8713	< 0.001	-6.9078	< 0.02	-3.9120
40	HRD	0.01	-4.6052	< 0.02	-3.9120	0.5	-0.6931	< 0.001	-6.9078	< 0.02	-3.9120
41	HRD	0.16	-1.8326	0.02	-3.9120	2.19	0.7839			< 0.02	-3.9120
42	HRD	0.16	-1.8326	< 0.02	-3.9120	2.76	1.0152	< 0.001	-6.9078	< 0.02	-3.9120
43	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.04	0.0392	< 0.001	-6.9078	< 0.02	-3.9120
44	HRD	0.21	-1.5606	< 0.02	-3.9120	2.71	0.9969	< 0.001	-6.9078	< 0.02	-3.9120
45	HRD	0.02	-3.9120	< 0.02	-3.9120	0.45	-0.7985	< 0.001	-6.9078	< 0.02	-3.9120
46	HRD	0.1	-2.3026			1.89	0.6366	< 0.001	-6.9078	< 0.02	-3.9120
47	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.71	0.5365	< 0.001	-6.9078	< 0.02	-3.9120
48	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.32	0.2776	< 0.001	-6.9078	< 0.02	-3.9120
49	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.7	0.5306	< 0.001	-6.9078	< 0.02	-3.9120
50	HRD	< 0.1	-2.3026	< 0.02	-3.9120	0.77	-0.2614	< 0.001	-6.9078	< 0.02	-3.9120
51	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.62	0.4824	< 0.001	-6.9078	< 0.02	-3.9120
52	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.37	0.3148	< 0.001	-6.9078	< 0.02	-3.9120
53	HRD	0.13	-2.0402	< 0.02	-3.9120	3.19	1.1600	< 0.001	-6.9078	< 0.02	-3.9120
54	HRD	0.07	-2.6593	< 0.02	-3.9120	1.46	0.3784	< 0.001	-6.9078	< 0.02	-3.9120
55	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.63	0.4886	< 0.001	-6.9078	< 0.02	-3.9120
56	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3.1	1.1314	< 0.001	-6.9078	< 0.02	-3.9120
57	HRD	0.17	-1.7720	< 0.02	-3.9120	2.3	0.8329	< 0.001	-6.9078	< 0.02	-3.9120
58	HRD	0.16	-1.8326	0.02	-3.9120	2.25	0.8109	< 0.001	-6.9078	< 0.02	-3.9120
59	HRD	< 0.01	-4.6052	< 0.02	-3.9120			< 0.001	-6.9078	< 0.02	-3.9120
60	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.06	0.0583	< 0.001	-6.9078	< 0.02	-3.9120
61	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.75	0.5596	< 0.001	-6.9078	< 0.02	-3.9120
62	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.62	0.4824	< 0.001	-6.9078	< 0.02	-3.9120
63	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.26	0.8154	< 0.001	-6.9078	< 0.02	-3.9120
64	HRD	0.06	-2.8134			1.42	0.3507			< 0.02	-3.9120
65	HRD	0.07	-2.6593	< 0.02	-3.9120	2.11	0.7467	< 0.001	-6.9078	< 0.02	-3.9120
66	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.35	0.3001	< 0.001	-6.9078	< 0.02	-3.9120
67	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.65	0.5008	< 0.001	-6.9078	< 0.02	-3.9120
68	HRD	0.03	-3.5066	< 0.02	-3.9120			< 0.001	-6.9078	< 0.02	-3.9120
69	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.58	0.4574	< 0.001	-6.9078	< 0.02	-3.9120
70	HRD	< 0.1	-2.3026	< 0.02	-3.9120	0.61	-0.4943	< 0.001	-6.9078	< 0.02	-3.9120
71	HRD	< 0.1	-2.3026	< 0.02	-3.9120	0.64	-0.4463			< 0.02	-3.9120
72	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.58	0.4574	< 0.001	-6.9078	< 0.02	-3.9120
73	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.62	-0.4780	< 0.001	-6.9078	< 0.02	-3.9120
74	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.41	0.8796	< 0.001	-6.9078	< 0.02	-3.9120
75	HRD	< 0.01	-4.6052	< 0.02	-3.9120	4.05	1.3987	< 0.001	-6.9078	< 0.02	-3.9120
76	HRD	< 0.1	-2.3026	< 0.02	-3.9120	2.47	0.9042	< 0.001	-6.9078	< 0.02	-3.9120
77	HRD	0.14	-1.9661	< 0.02	-3.9120	2.72	1.0006	< 0.001	-6.9078	< 0.02	-3.9120
78	HRD	0.19	-1.6607	< 0.02	-3.9120	2.95	1.0818	< 0.001	-6.9078	< 0.02	-3.9120
79	HRD	< 0.1	-2.3026	< 0.02	-3.9120	0.68	-0.3857			< 0.02	-3.9120

Evaluation of TCLP Data Provided By Horsehead (mg/L)
-- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Antimony Treated	Antimony (LN)	Arsenic Treated	Arsenic (LN)	Barium Treated	Barium (LN)	Beryllium Treated	Beryllium (LN)	Cadmium Treated	Cadmium (LN)
80	HRD	< 0.1	-2.3026	< 0.02	-3.9120	0.65	-0.4308			< 0.02	-3.9120
81	HRD	0.15	-1.8971	< 0.02	-3.9120	2.27	0.8198	< 0.001	-6.9078	< 0.02	-3.9120
82	HRD	0.02	-3.9120	< 0.02	-3.9120	1.8	0.5878	< 0.001	-6.9078	< 0.02	-3.9120
83	HRD	< 0.1	-2.3026	< 0.02	-3.9120	3.6	1.2809			< 0.02	-3.9120
84	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.87	0.6259			< 0.02	-3.9120
85	HRD	0.16	-1.8326	< 0.02	-3.9120	1.57	0.4511	< 0.001	-6.9078	< 0.02	-3.9120
86	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.79	0.5822	< 0.001	-6.9078	< 0.02	-3.9120
87	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3.09	1.1282	< 0.001	-6.9078	< 0.02	-3.9120
88	HRD	0.18	-1.7148	0.02	-3.9120	1.99	0.6881	< 0.001	-6.9078	< 0.02	-3.9120
89	HRD	0.24	-1.4271	< 0.02	-3.9120	1.68	0.5188	< 0.001	-6.9078	< 0.02	-3.9120
90	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.58	0.4574	< 0.001	-6.9078	< 0.02	-3.9120
91	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3	1.0986	< 0.001	-6.9078	< 0.02	-3.9120
92	HRD	0.06	-2.8134	< 0.02	-3.9120	1.51	0.4121	< 0.001	-6.9078	< 0.02	-3.9120
93	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3	1.0986	< 0.001	-6.9078	< 0.02	-3.9120
94	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.93	1.0750	< 0.001	-6.9078	< 0.02	-3.9120
95	HRD	< 0.01	-4.6052	< 0.02	-3.9120			< 0.001	-6.9078	< 0.02	-3.9120
96	HRD	0.03	-3.5066	< 0.02	-3.9120	0.39	-0.9416	< 0.001	-6.9078	< 0.02	-3.9120
97	HRD	0.13	-2.0402			0.91	-0.0943			< 0.02	-3.9120
98	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.11	0.1044	< 0.001	-6.9078	< 0.02	-3.9120
99	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.78	-0.2485	< 0.001	-6.9078	< 0.02	-3.9120
100	HRD	0.03	-3.5066	0.02	-3.9120	0.91	-0.0943	< 0.001	-6.9078	< 0.02	-3.9120
101	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.09	0.7372	< 0.001	-6.9078	< 0.02	-3.9120
102	HRD	0.02	-3.9120	< 0.02	-3.9120			< 0.001	-6.9078	< 0.02	-3.9120
103	HRD	0.02	-3.9120	< 0.02	-3.9120	0.76	-0.2744	< 0.001	-6.9078	< 0.02	-3.9120
104	HRD	0.24	-1.4271	0.02	-3.9120	3.32	1.2000	< 0.001	-6.9078	< 0.02	-3.9120
105	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.97	0.6780	< 0.001	-6.9078	< 0.02	-3.9120
106	HRD	0.13	-2.0402	< 0.02	-3.9120	1.49	0.3988	< 0.001	-6.9078	< 0.02	-3.9120
107	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.73	-0.3147	< 0.001	-6.9078	< 0.02	-3.9120
108	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.54	0.4318	< 0.001	-6.9078	< 0.02	-3.9120
109	HRD	0.06	-2.8134			1	0.0000	< 0.001	-6.9078	< 0.02	-3.9120
110	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.74	1.0080	< 0.001	-6.9078	< 0.02	-3.9120
111	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.15	0.7655	< 0.001	-6.9078	< 0.02	-3.9120
112	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.81	0.5933	< 0.001	-6.9078	< 0.02	-3.9120
113	HRD	0.01	-4.6052	< 0.02	-3.9120	1.19	0.1740	< 0.001	-6.9078	< 0.02	-3.9120
114	HRD	0.07	-2.6593	< 0.02	-3.9120	0.99	-0.0101	< 0.001	-6.9078	< 0.02	-3.9120
115	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.45	0.3716	< 0.001	-6.9078	< 0.02	-3.9120
116	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.02	0.7031	< 0.001	-6.9078	< 0.02	-3.9120
117	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.22	0.1989	< 0.001	-6.9078	< 0.02	-3.9120
118	HRD	0.17	-1.7720	< 0.02	-3.9120	0.81	-0.2107	< 0.001	-6.9078	< 0.02	-3.9120
119	HRD	0.01	-4.6052	< 0.02	-3.9120	1.73	0.5481	< 0.001	-6.9078	< 0.02	-3.9120
120	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.76	0.5653	< 0.001	-6.9078	< 0.02	-3.9120
121	HRD	0.1	-2.3026	< 0.02	-3.9120	1.42	0.3507	< 0.001	-6.9078	< 0.02	-3.9120
122	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.56	0.4447	< 0.001	-6.9078	< 0.02	-3.9120
123	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.47	0.3853	< 0.001	-6.9078	< 0.02	-3.9120
124	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.77	0.5710	< 0.001	-6.9078	< 0.02	-3.9120
125	HRD	0.13	-2.0402	< 0.02	-3.9120	1.26	0.2311	< 0.001	-6.9078	< 0.02	-3.9120
126	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.06	0.7227	< 0.001	-6.9078	< 0.02	-3.9120
127	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.96	1.0852	< 0.001	-6.9078	< 0.02	-3.9120
128	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.67	-0.4005	< 0.001	-6.9078	< 0.02	-3.9120
129	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.81	0.5933	< 0.001	-6.9078	< 0.02	-3.9120
130	HRD	< 0.01	-4.6052			0.44	-0.8210	< 0.001	-6.9078	< 0.02	-3.9120
131	HRD	< 0.01	-4.6052	< 0.02	-3.9120	4.69	1.5454	< 0.001	-6.9078	< 0.02	-3.9120
132	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.99	-0.0101	< 0.001	-6.9078	< 0.02	-3.9120
133	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.47	-0.7550	< 0.001	-6.9078	< 0.02	-3.9120
134	HRD	0.19	-1.6607			1.54	0.4318	< 0.001	-6.9078	< 0.02	-3.9120
135	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.23	0.8020	< 0.001	-6.9078	< 0.02	-3.9120
136	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3.34	1.2060	< 0.001	-6.9078	< 0.02	-3.9120
137	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.06	0.7227	< 0.001	-6.9078	< 0.02	-3.9120
138	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.26	0.8154	< 0.001	-6.9078	< 0.02	-3.9120
139	HRD	0.12	-2.1203	< 0.02	-3.9120	2.41	0.8796	< 0.001	-6.9078	< 0.02	-3.9120
140	HRD	< 0.01	-4.6052	< 0.02	-3.9120	4.18	1.4303	< 0.001	-6.9078	< 0.02	-3.9120
141	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3.23	1.1725	< 0.001	-6.9078	< 0.02	-3.9120
142	HRD	0.03	-3.5066	< 0.02	-3.9120	2.41	0.8796	< 0.001	-6.9078	< 0.02	-3.9120
143	HRD	0.13	-2.0402	< 0.02	-3.9120	1.69	0.5247	< 0.001	-6.9078	< 0.02	-3.9120
144	HRD	< 0.01	-4.6052	< 0.02	-3.9120	4	1.3863	< 0.001	-6.9078	< 0.02	-3.9120
145	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3.34	1.2060	< 0.001	-6.9078	< 0.02	-3.9120
146	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.05	0.0488	< 0.001	-6.9078	< 0.02	-3.9120
147	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.96	-0.0408	< 0.001	-6.9078	< 0.02	-3.9120
148	HRD	0.19	-1.6607	< 0.02	-3.9120	0.73	-0.3147	< 0.001	-6.9078	< 0.02	-3.9120
149	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3.41	1.2267	< 0.001	-6.9078	< 0.02	-3.9120
150	HRD	0.11	-2.2073	< 0.02	-3.9120	1.68	0.5188	< 0.001	-6.9078	< 0.02	-3.9120
151	HRD	0.05	-2.9957	< 0.02	-3.9120	1.52	0.4187	< 0.001	-6.9078	< 0.02	-3.9120
152	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3.45	1.2384	< 0.001	-6.9078	< 0.02	-3.9120
	# of Obs:	152	152	145	145	145	145	143	143	152	152
	# of NDs:	95		137		0		143		152	
	Minimum:	0.0100	-4.6052	0.0200	-3.9120	0.3800	-0.9676	0.0010	-6.9078	0.0200	-3.9120
	Mean:	0.0666	-3.3549	0.0201	-3.9092	1.7699	0.4216	0.0010	-6.9078	0.0200	-3.9120
	Maximum:	0.2500	-1.3863	0.0300	-3.5066	4.9400	1.5974	0.0010	-6.9078	0.0200	-3.9120
	Std:	0.0651	1.2258	0.0008	0.0337	0.9280	0.5774	0.0000	0.0000	0.0000	0.0000

Evaluation of TCLP Data Provided By Horsehead (mg/L)
-- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Antimony Treated	(LN)	Arsenic Treated	(LN)	Barium Treated	(LN)	Beryllium Treated	(LN)	Cadmium Treated	(LN)
	VF:	9.11		1.08		3.31		2.80		2.80	
	TS:	**0.61**		**0.022**		**5.9**		**0.0028**		**0.056**	

Evaluation of TCLP Data Provided By Horsehead (mg/L)
-- Calculation of TS (Minus Statistical Outliers)

		Chromium		Lead		Mercury		Nickel	
Samples	Waste	Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)
1	HRD	< 0.1	-2.3026	0.16	-1.8326	< 0.01	-4.6052	< 0.05	-2.9957
2	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
3	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
4	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
5	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	0.05	-2.9957
6	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
7	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
8	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
9	HRD	< 0.1	-2.3026	0.03	-3.5066	< 0.01	-4.6052	< 0.05	-2.9957
10	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
11	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
12	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
13	HRD	< 0.1	-2.3026			< 0.01	-4.6052	< 0.05	-2.9957
14	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
15	HRD	< 0.1	-2.3026	0.06	-2.8134	< 0.01	-4.6052	< 0.05	-2.9957
16	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
17	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052		
18	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
19	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
20	HRD	< 0.1	-2.3026	0.15	-1.8971	< 0.01	-4.6052	< 0.05	-2.9957
21	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
22	HRD	< 0.1	-2.3026			< 0.01	-4.6052	0.18	-1.7148
23	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
24	HRD	< 0.1	-2.3026			< 0.01	-4.6052	< 0.05	-2.9957
25	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
26	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
27	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
28	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
29	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
30	HRD	< 0.1	-2.3026	0.14	-1.9661	< 0.01	-4.6052		
31	HRD	< 0.1	-2.3026	0.11	-2.2073	< 0.01	-4.6052	< 0.05	-2.9957
32	HRD	< 0.1	-2.3026			< 0.01	-4.6052	< 0.05	-2.9957
33	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
34	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
35	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
36	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
37	HRD	< 0.1	-2.3026	0.12	-2.1203	< 0.01	-4.6052	< 0.05	-2.9957
38	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	0.09	-2.4079
39	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
40	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052		
41	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
42	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
43	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
44	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	0.05	-2.9957
45	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052		
46	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	0.06	-2.8134
47	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
48	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
49	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
50	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
51	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052		
52	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
53	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	0.09	-2.4079
54	HRD	< 0.1	-2.3026	0.06	-2.8134	< 0.01	-4.6052		
55	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
56	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
57	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	0.07	-2.6593
58	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
59	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
60	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	0.06	-2.8134
61	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
62	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
63	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
64	HRD	< 0.1	-2.3026	0.02	-3.9120	< 0.01	-4.6052	< 0.05	-2.9957
65	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
66	HRD	< 0.1	-2.3026	0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
67	HRD	< 0.1	-2.3026			< 0.01	-4.6052	< 0.05	-2.9957
68	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
69	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	0.08	-2.5257
70	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
71	HRD			< 0.1	-2.3026	< 0.01	-4.6052	0.08	-2.5257
72	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
73	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
74	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
75	HRD	< 0.1	-2.3026			< 0.01	-4.6052	0.05	-2.9957
76	HRD	< 0.1	-2.3026	0.11	-2.2073	< 0.01	-4.6052	< 0.05	-2.9957
77	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	0.06	-2.8134
78	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
79	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	0.07	-2.6593

Evaluation of TCLP Data Provided By Horsehead (mg/L)
-- Calculation of TS (Minus Statistical Outliers)

		Chromium		Lead		Mercury		Nickel	
Samples	Waste	Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)
80	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	< 0.05	-2.9957
81	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
82	HRD	< 0.1	-2.3026	0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
83	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	0.08	-2.5257
84	HRD	< 0.1	-2.3026	< 0.1	-2.3026	< 0.01	-4.6052	0.07	-2.6593
85	HRD	< 0.1	-2.3026	0.02	-3.9120	< 0.01	-4.6052	< 0.05	-2.9957
86	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
87	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
88	HRD	< 0.1	-2.3026	0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
89	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
90	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
91	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
92	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
93	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
94	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
95	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
96	HRD	< 0.1	-2.3026	0.07	-2.6593	< 0.01	-4.6052	0.09	-2.4079
97	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
98	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
99	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
100	HRD	< 0.1	-2.3026	0.02	-3.9120	< 0.01	-4.6052	0.12	-2.1203
101	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
102	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
103	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
104	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
105	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
106	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
107	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
108	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
109	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
110	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
111	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
112	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052		
113	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
114	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
115	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
116	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
117	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	0.07	-2.6593
118	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
119	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
120	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
121	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
122	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
123	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
124	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
125	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
126	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
127	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
128	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
129	HRD	< 0.1	-2.3026	0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
130	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
131	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
132	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
133	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
134	HRD	< 0.1	-2.3026	0.06	-2.8134	< 0.01	-4.6052	0.09	-2.4079
135	HRD	< 0.1	-2.3026	0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
136	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
137	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
138	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
139	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	0.06	-2.8134
140	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
141	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
142	HRD			< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
143	HRD	< 0.1	-2.3026			< 0.01	-4.6052	0.09	-2.4079
144	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
145	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
146	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
147	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
148	HRD	< 0.1	-2.3026			< 0.01	-4.6052	0.11	-2.2073
149	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
150	HRD	< 0.1	-2.3026			< 0.01	-4.6052	0.12	-2.1203
151	HRD	< 0.1	-2.3026			< 0.01	-4.6052	0.12	-2.1203
152	HRD	< 0.1	-2.3026	< 0.01	-4.6052	< 0.01	-4.6052	< 0.05	-2.9957
	# of Obs:	150	150	142	142	152	152	145	145
	# of NDs:	150		123		152		121	
	Minimum:	0.1000	-2.3026	0.0100	-4.6052	0.0100	-4.6052	0.0500	-2.9957
	Mean:	0.1000	-2.3026	0.0335	-4.0012	0.0100	-4.6052	0.0556	-2.9190
	Maximum:	0.1000	-2.3026	0.1600	-1.8326	0.0100	-4.6052	0.1800	-1.7148
	Std:	0.0000	0.0000	0.0409	1.0027	0.0000	0.0000	0.0174	0.2155

Evaluation of TCLP Data Provided By Horsehead (mg/L)
-- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Chromium Treated	(LN)	Lead Treated	(LN)	Mercury Treated	(LN)	Nickel Treated	(LN)
	VF:	2.80		5.66		2.80		1.60	
	TS:	**0.28**		**0.19**		**0.028**		**0.089**	

Evaluation of TCLP Data Provided By Horsehead (mg/L)
-- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Selenium Treated	Selenium (LN)	Silver Treated	Silver (LN)	Thallium Treated	Thallium (LN)	Vanadium Treated	Vanadium (LN)	Zinc Treated	Zinc (LN)
1	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.77	-0.2614
2	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
3	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.23	-1.4697
4	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			0.01	-4.6052
5	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			0.2	-1.6094
6	HRD	0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.39	-0.9416
7	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.06	-2.8134
8	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			0.27	-1.3093
9	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			0.41	-0.8916
10	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.25	-1.3863
11	HRD	0.03	-3.5066	< 0.01	-4.6052	< 0.03	-3.5066			0.13	-2.0402
12	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
13	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.2	-1.6094
14	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.14	-1.9661
15	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			0.2	-1.6094
16	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
17	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			0.12	-2.1203
18	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			0.08	-2.5257
19	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.19	-1.6607
20	HRD	< 0.02	-3.9120			< 0.03	-3.5066			0.1	-2.3026
21	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.1	-2.3026
22	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066				
23	HRD	< 0.02	-3.9120			< 0.03	-3.5066			< 0.01	-4.6052
24	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.31	-1.1712
25	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			1.27	0.2390
26	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.14	-1.9661
27	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.32	-1.1394
28	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.16	-1.8326
29	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
30	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			0.42	-0.8675
31	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
32	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.26	-1.3471
33	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			0.16	-1.8326
34	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
35	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.11	-2.2073
36	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			< 0.01	-4.6052
37	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			0.12	-2.1203
38	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.54	-0.6162
39	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
40	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			0.13	-2.0402
41	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.08	-2.5257
42	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.19	-1.6607
43	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.02	-3.9120
44	HRD	< 0.02	-3.9120			< 0.03	-3.5066			0.11	-2.2073
45	HRD	< 0.02	-3.9120	0.03	-3.5066	< 0.03	-3.5066			0.27	-1.3093
46	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.07	-2.6593
47	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
48	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
49	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
50	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
51	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066				
52	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.21	-1.5606
53	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.17	-1.7720
54	HRD	< 0.02	-3.9120			< 0.03	-3.5066				
55	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.22	-1.5141
56	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
57	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.16	-1.8326
58	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			0.34	-1.0788
59	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
60	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			0.1	-2.3026
61	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			0.1	-2.3026
62	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
63	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.16	-1.8326
64	HRD	0.02	-3.9120			< 0.03	-3.5066			0.44	-0.8210
65	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.11	-2.2073
66	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			0.2	-1.6094
67	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.23	-1.4697
68	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
69	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.44	-0.8210
70	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.19	-1.6607
71	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066				
72	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.14	-1.9661
73	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
74	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
75	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.75	-0.2877
76	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.2	-1.6094
77	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.33	-1.1087
78	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.07	-2.6593
79	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052

Evaluation of TCLP Data Provided By Horsehead (mg/L)
-- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Selenium Treated	Selenium (LN)	Silver Treated	Silver (LN)	Thallium Treated	Thallium (LN)	Vanadium Treated	Vanadium (LN)	Zinc Treated	Zinc (LN)
80	HRD	< 0.02	-3.9120			< 0.03	-3.5066			0.59	-0.5276
81	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.31	-1.1712
82	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			0.06	-2.8134
83	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
84	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
85	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.14	-1.9661
86	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			0.12	-2.1203
87	HRD	< 0.02	-3.9120	0.03	-3.5066	< 0.03	-3.5066			0.27	-1.3093
88	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.05	-2.9957
89	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			0.11	-2.2073
90	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			0.23	-1.4697
91	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.01	-4.6052
92	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
93	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
94	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
95	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.05	-2.9957
96	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.63	-0.4620
97	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.06	-2.8134
98	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
99	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
100	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066				
101	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			< 0.01	-4.6052
102	HRD			0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
103	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
104	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.12	-2.1203
105	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.03	-3.5066
106	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			0.67	-0.4005
107	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.04	-3.2189
108	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.29	-1.2379
109	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.12	-2.1203
110	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.07	-2.6593
111	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.13	-2.0402
112	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.94	-0.0619
113	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.06	-2.8134
114	HRD	0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.18	-1.7148
115	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.02	-3.9120
116	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.14	-1.9661
117	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.91	-0.0943
118	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.06	-2.8134
119	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.1	-2.3026
120	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.04	-3.2189
121	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
122	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.21	-1.5606
123	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.16	-1.8326
124	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
125	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
126	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
127	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			0.15	-1.8971
128	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
129	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			0.11	-2.2073
130	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
131	HRD	< 0.02	-3.9120	0.02	-3.9120	< 0.03	-3.5066			0.17	-1.7720
132	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
133	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
134	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.22	-1.5141
135	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.07	-2.6593
136	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.21	-1.5606
137	HRD	< 0.02	-3.9120			< 0.03	-3.5066			0.02	-3.9120
138	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			0.06	-2.8134
139	HRD	< 0.02	-3.9120	< 0.01	-4.6052	0.03	-3.5066			0.08	-2.5257
140	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.11	-2.2073
141	HRD	< 0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			0.17	-1.7720
142	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.29	-1.2379
143	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			1.55	0.4383
144	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.23	-1.4697
145	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.16	-1.8326
146	HRD	0.02	-3.9120	0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
147	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.02	-3.9120
148	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			2.01	0.6981
149	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			< 0.01	-4.6052
150	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066				
151	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066				
152	HRD	< 0.02	-3.9120	< 0.01	-4.6052	< 0.03	-3.5066			0.01	-4.6052
	# of Obs:	151	151	145	145	152	152	0	0	145	145
	# of NDs:	146		107		151				40	
	Minimum:	0.0200	-3.9120	0.0100	-4.6052	0.0300	-3.5066			0.0100	-4.6052
	Mean:	0.0201	-3.9093	0.0114	-4.5088	0.0300	-3.5066			0.1797	-2.6416
	Maximum:	0.0300	-3.5066	0.0300	-3.5066	0.0300	-3.5066			2.0100	0.6981
	Std:	0.0008	0.0330	0.0039	0.2532	0.0000	0.0000			0.2778	1.4888

Evaluation of TCLP Data Provided By Horsehead (mg/L)
-- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Selenium Treated	(LN)	Silver Treated	(LN)	Thallium Treated	(LN)	Vanadium Treated	(LN)	Zinc Treated	(LN)
	VF:	1.08		1.74		2.80				12.73	
	TS:	**0.022**		**0.020**		**0.084**				**2.3**	