

US EPA ARCHIVE DOCUMENT

Samples	Facility	Antimony			Outlier (Yes/No)	Arsenic		
		Treated	(LN)	Z-Score		Treated	(LN)	Z-Score
1	AA							
2	AA					0.05	-2.9957	0.0106
3	AA							
4	AA					0.05	-2.9957	0.0106
5	AA							
6	AA							
7	AA					0.07	-2.6593	0.4310
8	AA	1.74	0.5539	2.8578	Yes	0.08	-2.5257	0.5979
9	AA	0.72	-0.3285	2.0221	Yes	0.08	-2.5257	0.5979
10	AA	0.51	-0.6733	1.6956				
11	AA							
12	AA					0.05	-2.9957	0.0106
13	AA							
14	AA							
15	AA							
16	AA					0.15	-1.8971	1.3832
17	AA	2.31	0.8372	3.1262	Yes	0.18	-1.7148	1.6110
18	AA							
19	AA	0.50	-0.6931	1.6768		0.09	-2.4079	0.7450
20	AA					0.06	-2.8134	0.2384
21	AA					0.06	-2.8134	0.2384
22	AA							
23	AA					0.09	-2.4079	0.7450
24	BB	0.14	-1.9661	0.4713		0.02	-3.9120	-1.1341
25	BB	0.18	-1.7148	0.7093		0.02	-3.9120	-1.1341
26	BB	0.22	-1.5141	0.8993		0.02	-3.9120	-1.1341
27	BB	0.19	-1.6607	0.7605		0.04	-3.2189	-0.2681
28	BB	0.13	-2.0402	0.4011		0.02	-3.9120	-1.1341
29	BB	0.06	-2.8134	-0.3312		0.02	-3.9120	-1.1341
30	BB					0.02	-3.9120	-1.1341
31	BB	0.11	-2.2073	0.2429		0.02	-3.9120	-1.1341
32	BB					0.02	-3.9120	-1.1341
33	BB	0.04	-3.2189	-0.7152		0.02	-3.9120	-1.1341
34	BB	0.04	-3.2189	-0.7152		0.02	-3.9120	-1.1341
35	BB					0.02	-3.9120	-1.1341
36	BB	0.04	-3.2189	-0.7152		0.02	-3.9120	-1.1341
37	BB	0.07	-2.6593	-0.1852		0.02	-3.9120	-1.1341
38	BB	0.10	-2.3026	0.1526		0.02	-3.9120	-1.1341
39	BB	0.04	-3.2189	-0.7152		0.02	-3.9120	-1.1341
40	BB	0.05	-2.9957	-0.5038		0.02	-3.9120	-1.1341
41	BB	0.19	-1.6607	0.7605		0.02	-3.9120	-1.1341
42	BB	0.06	-2.8134	-0.3312		0.02	-3.9120	-1.1341
43	BB	0.07	-2.6593	-0.1852		0.04	-3.2189	-0.2681
44	BB	0.04	-3.2189	-0.7152		0.03	-3.5066	-0.6276
45	BB	0.05	-2.9957	-0.5038				
46	BB	0.04	-3.2189	-0.7152		0.02	-3.9120	-1.1341
47	CC							
48	CC	0.026	-3.6497	-1.1232				
49	CC							
50	CC							
51	CC							
52	CC							
53	CC							
54	CC							
55	CC	0.492	-0.7093	1.6615				
56	CC							
57	CC							
58	CC							
59	CC							
60	CC							
61	CC							
62	CC							
63	CC	0.026	-3.6497	-1.1232				
64	CC	0.026	-3.6497	-1.1232				
65	CC							
66	CC							
67	DD	0.05	-2.9957	-0.5038		0.05	-2.9957	0.0106
68	DD	0.10	-2.3026	0.1526		0.05	-2.9957	0.0106
69	DD					0.06	-2.8134	0.2384
70	DD	0.05	-2.9957	-0.5038		0.05	-2.9957	0.0106
71	DD							
72	DD	0.06	-2.8134	-0.3312				
73	DD	0.05	-2.9957	-0.5038		0.05	-2.9957	0.0106
74	DD					0.05	-2.9957	0.0106
75	DD							
76	DD							
77	DD	0.05	-2.9957	-0.5038		0.05	-2.9957	0.0106
78	DD	0.05	-2.9957	-0.5038		0.05	-2.9957	0.0106
79	DD					0.05	-2.9957	0.0106

Samples	Facility	Antimony			Outlier (Yes/No)	Arsenic			Outlier (Yes/No)
		Treated	(LN)	Z-Score		Treated	(LN)	Z-Score	
80	DD	0.05	-2.9957	-0.5038					
81	DD	0.05	-2.9957	-0.5038		0.05	-2.9957	0.0106	
82	DD	0.05	-2.9957	-0.5038		0.05	-2.9957	0.0106	
83	DD	0.05	-2.9957	-0.5038		0.05	-2.9957	0.0106	
84	DD	0.05	-2.9957	-0.5038		0.05	-2.9957	0.0106	
85	DD	0.05	-2.9957	-0.5038		0.05	-2.9957	0.0106	
86	DD	0.05	-2.9957	-0.5038		0.05	-2.9957	0.0106	
87	DD	0.05	-2.9957	-0.5038		0.05	-2.9957	0.0106	
88	DD	0.05	-2.9957	-0.5038					
89	DD	0.05	-2.9957	-0.5038		0.05	-2.9957	0.0106	
90	EE								
91	EE								
92	EE								
93	EE					0.20	-1.6094	1.7426	
94	EE					0.20	-1.6094	1.7426	
95	EE					0.20	-1.6094	1.7426	
96	EE					0.20	-1.6094	1.7426	
97	EE								
98	EE								
99	EE								
100	EE					0.20	-1.6094	1.7426	
101	EE					0.20	-1.6094	1.7426	
102	EE					0.20	-1.6094	1.7426	
103	EE								
104	EE								
105	EE					0.20	-1.6094	1.7426	
106	EE					0.20	-1.6094	1.7426	
	<b># of Obs:</b>	46	46	46	3	60	60	60	0
	<b># of NDs:</b>	0				0			
	<b>Minimum:</b>	0.0260	-3.6497			0.0200	-3.9120		
	<b>Mean:</b>	0.1983	-2.4637			0.0693	-3.0043		
	<b>Maximum:</b>	2.3100	0.8372			0.2000	-1.6094		
	<b>Std:</b>	0.4249	1.0559			0.0625	0.8004		

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Samples	Facility	Barium			Outlier (Yes/No)	Beryllium			Outlier (Yes/No)	Cadmium			Chromium Treated
		Treated	(LN)	Z-Score		Treated	(LN)	Z-Score		Treated	(LN)	Z-Score	
1	AA									0.03	-3.5066	0.2848	
2	AA									0.03	-3.5066	0.2848	
3	AA									0.03	-3.5066	0.2848	
4	AA					0.01	-4.6052	-0.7071		0.03	-3.5066	0.2848	
5	AA	0.58	-0.5447	-0.9036						0.03	-3.5066	0.2848	
6	AA	0.36	-1.0217	-1.5769						0.03	-3.5066	0.2848	
7	AA	1.29	0.2546	0.2247									
8	AA									0.03	-3.5066	0.2848	0.03
9	AA									0.03	-3.5066	0.2848	
10	AA												
11	AA	3.00	1.0986	1.4160						0.04	-3.2189	0.7667	
12	AA	3.00	1.0986	1.4160						0.03	-3.5066	0.2848	
13	AA	0.35	-1.0498	-1.6166		0.02	-3.9120	0.7071		0.04	-3.2189	0.7667	
14	AA	0.41	-0.8916	-1.3933						0.04	-3.2189	0.7667	
15	AA	0.59	-0.5276	-0.8795						0.04	-3.2189	0.7667	
16	AA	1.72	0.5423	0.6308						0.04	-3.2189	0.7667	
17	AA									0.04	-3.2189	0.7667	
18	AA	4.50	1.5041	1.9884						0.03	-3.5066	0.2848	
19	AA	12.80	2.5494	3.4640	Yes					0.03	-3.5066	0.2848	0.03
20	AA	1.40	0.3365	0.3402						0.03	-3.5066	0.2848	
21	AA	1.27	0.2390	0.2027						0.03	-3.5066	0.2848	
22	AA	3.35	1.2090	1.5718						0.04	-3.2189	0.7667	
23	AA	2.19	0.7839	0.9718						0.03	-3.5066	0.2848	
24	BB	1.70	0.5306	0.6143						0.01	-4.6052	-1.5554	
25	BB	1.87	0.6259	0.7488						0.01	-4.6052	-1.5554	
26	BB	1.50	0.4055	0.4376						0.01	-4.6052	-1.5554	0.01
27	BB	1.32	0.2776	0.2572						0.01	-4.6052	-1.5554	0.01
28	BB	0.96	-0.0408	-0.1924						0.01	-4.6052	-1.5554	0.01
29	BB	0.84	-0.1744	-0.3808						0.01	-4.6052	-1.5554	0.01
30	BB	0.82	-0.1985	-0.4149						0.01	-4.6052	-1.5554	0.01
31	BB	0.88	-0.1278	-0.3152						0.01	-4.6052	-1.5554	0.01
32	BB	0.65	-0.4308	-0.7428						0.01	-4.6052	-1.5554	0.01
33	BB	1.06	0.0583	-0.0525						0.01	-4.6052	-1.5554	0.01
34	BB	0.65	-0.4308	-0.7428						0.01	-4.6052	-1.5554	0.01
35	BB	0.75	-0.2877	-0.5408						0.01	-4.6052	-1.5554	0.01
36	BB	1.30	0.2624	0.2356						0.01	-4.6052	-1.5554	0.01
37	BB	1.11	0.1044	0.0126						0.01	-4.6052	-1.5554	0.01
38	BB	1.45	0.3716	0.3898						0.01	-4.6052	-1.5554	0.01
39	BB	1.53	0.4253	0.4656						0.01	-4.6052	-1.5554	0.01
40	BB	1.14	0.1310	0.0502						0.01	-4.6052	-1.5554	0.01
41	BB	1.27	0.2390	0.2027						0.01	-4.6052	-1.5554	0.01
42	BB	0.87	-0.1393	-0.3313						0.01	-4.6052	-1.5554	0.01
43	BB	1.01	0.0100	-0.1207						0.01	-4.6052	-1.5554	0.01
44	BB	1.16	0.1484	0.0748						0.01	-4.6052	-1.5554	0.01
45	BB	1.47	0.3853	0.4091						0.01	-4.6052	-1.5554	0.01
46	BB	1.00	0.0000	-0.1347						0.01	-4.6052	-1.5554	0.01
47	CC	0.72	-0.3285	-0.5984									
48	CC	9.50	2.2513	3.0431	Yes					0.01	-4.6052	-1.5554	
49	CC	0.47	-0.7550	-1.2005									
50	CC	1.44	0.3646	0.3800									
51	CC	1.96	0.6729	0.8152						0.06	-2.8134	1.4459	
52	CC												
53	CC	1.24	0.2151	0.1689						0.07	-2.6593	1.7041	
54	CC	2.84	1.0438	1.3387						0.03	-3.5066	0.2848	0.01
55	CC	1.16	0.1484	0.0748						0.03	-3.5066	0.2848	
56	CC	2.23	0.8020	0.9973						0.02	-3.9120	-0.3944	
57	CC	0.63	-0.4620	-0.7869						0.03	-3.5066	0.2848	
58	CC	1.69	0.5247	0.6060									
59	CC	1.45	0.3716	0.3898									
60	CC	0.62	-0.4780	-0.8095						0.05	-2.9957	1.1405	
61	CC	4.14	1.4207	1.8707									
62	CC	1.56	0.4447	0.4930						0.05	-2.9957	1.1405	
63	CC									0.05	-2.9957	1.1405	0.02
64	CC	6.16	1.8181	2.4316	Yes					0.08	-2.5257	1.9278	
65	CC	9.57	2.2586	3.0535	Yes					0.05	-2.9957	1.1405	
66	CC	3.17	1.1537	1.4938									
67	DD	0.76	-0.2744	-0.5221									
68	DD	0.65	-0.4308	-0.7428									
69	DD	0.54	-0.6162	-1.0045									
70	DD	0.60	-0.5108	-0.8558						0.03	-3.5066	0.2848	
71	DD	2.10	0.7419	0.9126						0.03	-3.5066	0.2848	
72	DD	1.59	0.4637	0.5199						0.03	-3.5066	0.2848	
73	DD	0.61	-0.4943	-0.8325						0.03	-3.5066	0.2848	
74	DD	0.89	-0.1165	-0.2992						0.03	-3.5066	0.2848	
75	DD	0.79	-0.2357	-0.4675						0.03	-3.5066	0.2848	
76	DD	0.83	-0.1863	-0.3977						0.03	-3.5066	0.2848	
77	DD	0.76	-0.2744	-0.5221									
78	DD	0.69	-0.3711	-0.6585									
79	DD	0.74	-0.3011	-0.5598						0.03	-3.5066	0.2848	

Samples	Facility	Barium			Outlier (Yes/No)	Beryllium			Outlier (Yes/No)	Cadmium			Chromium Treated	
		Treated	(LN)	Z-Score		Treated	(LN)	Z-Score		Treated	(LN)	Z-Score		
80	DD	0.86	-0.1508	-0.3476						0.03	-3.5066	0.2848		
81	DD	0.84	-0.1744	-0.3808						0.03	-3.5066	0.2848		
82	DD	1.34	0.2927	0.2784						0.04	-3.2189	0.7667		
83	DD	1.25	0.2231	0.1802						0.03	-3.5066	0.2848		
84	DD	0.87	-0.1393	-0.3313						0.03	-3.5066	0.2848		
85	DD	0.98	-0.0202	-0.1632						0.03	-3.5066	0.2848		
86	DD	0.84	-0.1744	-0.3808						0.03	-3.5066	0.2848		
87	DD	0.83	-0.1863	-0.3977						0.03	-3.5066	0.2848		
88	DD	1.57	0.4511	0.5020						0.03	-3.5066	0.2848		
89	DD	1.58	0.4574	0.5110						0.03	-3.5066	0.2848		
90	EE	0.77	-0.2614	-0.5037						0.04	-3.2189	0.7667		
91	EE	0.45	-0.7985	-1.2619						0.04	-3.2189	0.7667		
92	EE	0.52	-0.6539	-1.0578						0.04	-3.2189	0.7667		
93	EE	0.58	-0.5447	-0.9036						0.04	-3.2189	0.7667		
94	EE	0.63	-0.4620	-0.7869						0.04	-3.2189	0.7667		
95	EE	0.72	-0.3285	-0.5984						0.04	-3.2189	0.7667		
96	EE	0.43	-0.8440	-1.3260						0.04	-3.2189	0.7667		
97	EE	0.38	-0.9676	-1.5005						0.04	-3.2189	0.7667		
98	EE	0.65	-0.4308	-0.7428						0.04	-3.2189	0.7667		
99	EE	0.43	-0.8440	-1.3260						0.04	-3.2189	0.7667		
100	EE	1.00	0.0000	-0.1347						0.04	-3.2189	0.7667		
101	EE	1.00	0.0000	-0.1347						0.04	-3.2189	0.7667		
102	EE	0.96	-0.0408	-0.1924										
103	EE	0.53	-0.6349	-1.0309						0.04	-3.2189	0.7667		
104	EE	0.70	-0.3567	-0.6382						0.04	-3.2189	0.7667		
105	EE	0.70	-0.3567	-0.6382						0.04	-3.2189	0.7667		
106	EE	0.62	-0.4780	-0.8095						0.04	-3.2189	0.7667		
	<b># of Obs:</b>	96	96	96	4	2	2	2	0	90	90	90	0	23
	<b># of NDs:</b>	0				0				0				0
	<b>Minimum:</b>	0.3500	-1.0498			0.0100	-4.6052			0.0100	-4.6052			0.0100
	<b>Mean:</b>	1.5339	0.0954			0.0150	-4.2586			0.0294	-3.6766			0.0122
	<b>Maximum:</b>	12.8000	2.5494			0.0200	-3.9120			0.0800	-2.5257			0.0300
	<b>Std:</b>	1.9062	0.7084			0.0071	0.4901			0.0145	0.5970			0.0060

Samples	Facility	Outlier			Lead		
		(LN)	Z-Score	(Yes/No)	Treated	(LN)	Z-Score
1	AA				0.09	-2.4079	-1.0013
2	AA				0.05	-2.9957	-1.4330
3	AA				0.10	-2.3026	-0.9239
4	AA				0.12	-2.1203	-0.7900
5	AA						
6	AA						
7	AA				0.08	-2.5257	-1.0878
8	AA	-3.5066	2.8684	Yes	0.05	-2.9957	-1.4330
9	AA						
10	AA				0.08	-2.5257	-1.0878
11	AA						
12	AA				0.06	-2.8134	-1.2991
13	AA				0.10	-2.3026	-0.9239
14	AA				0.09	-2.4079	-1.0013
15	AA				0.11	-2.2073	-0.8539
16	AA				0.17	-1.7720	-0.5342
17	AA				0.13	-2.0402	-0.7312
18	AA				0.10	-2.3026	-0.9239
19	AA	-3.5066	2.8684	Yes			
20	AA				0.11	-2.2073	-0.8539
21	AA						
22	AA				0.14	-1.9661	-0.6768
23	AA				0.13	-2.0402	-0.7312
24	BB						
25	BB				0.05	-2.9957	-1.4330
26	BB	-4.6052	-0.3705				
27	BB	-4.6052	-0.3705				
28	BB	-4.6052	-0.3705		0.74	-0.3011	0.5460
29	BB	-4.6052	-0.3705		1.19	0.1740	0.8949
30	BB	-4.6052	-0.3705		0.35	-1.0498	-0.0039
31	BB	-4.6052	-0.3705				
32	BB	-4.6052	-0.3705		1.12	0.1133	0.8504
33	BB	-4.6052	-0.3705		0.53	-0.6349	0.3009
34	BB	-4.6052	-0.3705		1.07	0.0677	0.8169
35	BB	-4.6052	-0.3705		1.19	0.1740	0.8949
36	BB	-4.6052	-0.3705		0.71	-0.3425	0.5156
37	BB	-4.6052	-0.3705		0.90	-0.1054	0.6898
38	BB	-4.6052	-0.3705				
39	BB	-4.6052	-0.3705		0.05	-2.9957	-1.4330
40	BB	-4.6052	-0.3705		0.05	-2.9957	-1.4330
41	BB				0.05	-2.9957	-1.4330
42	BB	-4.6052	-0.3705		0.05	-2.9957	-1.4330
43	BB				0.05	-2.9957	-1.4330
44	BB	-4.6052	-0.3705		0.05	-2.9957	-1.4330
45	BB	-4.6052	-0.3705				
46	BB	-4.6052	-0.3705				
47	CC				0.22	-1.5141	-0.3449
48	CC				0.50	-0.6931	0.2581
49	CC						
50	CC				0.29	-1.2379	-0.1420
51	CC				0.25	-1.3863	-0.2510
52	CC						
53	CC				0.43	-0.8440	0.1473
54	CC	-4.6052	-0.3705		0.14	-1.9661	-0.6768
55	CC				0.26	-1.3471	-0.2222
56	CC				0.13	-2.0402	-0.7312
57	CC				0.13	-2.0402	-0.7312
58	CC						
59	CC						
60	CC				0.37	-0.9943	0.0370
61	CC				0.32	-1.1394	-0.0697
62	CC				0.14	-1.9661	-0.6768
63	CC	-3.9120	1.6730		0.85	-0.1625	0.6478
64	CC				0.74	-0.3011	0.5460
65	CC				0.43	-0.8440	0.1473
66	CC				0.16	-1.8326	-0.5787
67	DD				0.11	-2.2073	-0.8539
68	DD				0.05	-2.9957	-1.4330
69	DD				0.05	-2.9957	-1.4330
70	DD				0.39	-0.9416	0.0756
71	DD				0.28	-1.2730	-0.1677
72	DD				0.05	-2.9957	-1.4330
73	DD				0.38	-0.9676	0.0565
74	DD				0.43	-0.8440	0.1473
75	DD				4.06	1.4012	1.7962
76	DD				4.40	1.4816	1.8553
77	DD				1.00	0.0000	0.7672
78	DD				1.30	0.2624	0.9599
79	DD				1.00	0.0000	0.7672

Samples	Facility	Outlier			Lead			
		(LN)	Z-Score	(Yes/No)	Treated	(LN)	Z-Score	(Yes/No)
80	DD				0.33	-1.1087	-0.0471	
81	DD				3.18	1.1569	1.6168	
82	DD				4.90	1.5892	1.9343	
83	DD				4.90	1.5892	1.9343	
84	DD				4.70	1.5476	1.9037	
85	DD				4.50	1.5041	1.8718	
86	DD				4.70	1.5476	1.9037	
87	DD				4.90	1.5892	1.9343	
88	DD				4.60	1.5261	1.8879	
89	DD				4.10	1.4110	1.8034	
90	EE				1.30	0.2624	0.9599	
91	EE				0.50	-0.6931	0.2581	
92	EE				0.50	-0.6931	0.2581	
93	EE				0.50	-0.6931	0.2581	
94	EE				0.50	-0.6931	0.2581	
95	EE				0.50	-0.6931	0.2581	
96	EE				0.50	-0.6931	0.2581	
97	EE				0.50	-0.6931	0.2581	
98	EE				0.50	-0.6931	0.2581	
99	EE				0.50	-0.6931	0.2581	
100	EE				0.60	-0.5108	0.3920	
101	EE				0.60	-0.5108	0.3920	
102	EE				0.70	-0.3567	0.5052	
103	EE				0.50	-0.6931	0.2581	
104	EE				0.50	-0.6931	0.2581	
105	EE				0.50	-0.6931	0.2581	
106	EE				0.50	-0.6931	0.2581	
	<b># of Obs:</b>	23	23	2	89	89	89	0
	<b># of NDs:</b>				0			
	<b>Minimum:</b>	-4.6052			0.0500	-2.9957		
	<b>Mean:</b>	-4.4795			0.8902	-1.0446		
	<b>Maximum:</b>	-3.5066			4.9000	1.5892		
	<b>Std:</b>	0.3392			1.3922	1.3616		

Samples	Facility	Mercury			Nickel		
		Treated	(LN)	Z-Score	Treated	(LN)	Z-Score
1	AA				0.05	-2.9957	-0.0571
2	AA				0.05	-2.9957	-0.0571
3	AA				0.05	-2.9957	-0.0571
4	AA				0.05	-2.9957	-0.0571
5	AA						
6	AA						
7	AA						
8	AA						
9	AA						
10	AA						
11	AA						
12	AA						
13	AA						
14	AA						
15	AA						
16	AA						
17	AA						
18	AA						
19	AA						
20	AA						
21	AA						
22	AA						
23	AA						
24	BB				0.01	-4.6052	-1.4437
25	BB				0.04	-3.2189	-0.2493
26	BB				0.01	-4.6052	-1.4437
27	BB				0.01	-4.6052	-1.4437
28	BB				0.01	-4.6052	-1.4437
29	BB				0.02	-3.9120	-0.8465
30	BB				0.02	-3.9120	-0.8465
31	BB				0.01	-4.6052	-1.4437
32	BB				0.01	-4.6052	-1.4437
33	BB				0.01	-4.6052	-1.4437
34	BB				0.01	-4.6052	-1.4437
35	BB				0.01	-4.6052	-1.4437
36	BB				0.01	-4.6052	-1.4437
37	BB				0.01	-4.6052	-1.4437
38	BB				0.02	-3.9120	-0.8465
39	BB				0.01	-4.6052	-1.4437
40	BB				0.01	-4.6052	-1.4437
41	BB				0.01	-4.6052	-1.4437
42	BB				0.01	-4.6052	-1.4437
43	BB				0.01	-4.6052	-1.4437
44	BB				0.01	-4.6052	-1.4437
45	BB				0.01	-4.6052	-1.4437
46	BB				0.01	-4.6052	-1.4437
47	CC				0.24	-1.4271	1.2944
48	CC				0.03	-3.5066	-0.4972
49	CC				0.19	-1.6607	1.0931
50	CC				0.19	-1.6607	1.0931
51	CC				0.32	-1.1394	1.5422
52	CC				0.27	-1.3093	1.3959
53	CC	0.0002	-8.5172	-0.5924	0.41	-0.8916	1.7558
54	CC				0.20	-1.6094	1.1373
55	CC				0.21	-1.5606	1.1793
56	CC				0.11	-2.2073	0.6222
57	CC				0.21	-1.5606	1.1793
58	CC				0.48	-0.7340	1.8916
59	CC						
60	CC				0.37	-0.9943	1.6673
61	CC	0.0280	-3.5756	1.4858	0.39	-0.9416	1.7127
62	CC	0.0004	-7.8240	-0.3009	0.19	-1.6607	1.0931
63	CC	0.0002	-8.5172	-0.5924	0.18	-1.7148	1.0465
64	CC				0.31	-1.1712	1.5149
65	CC				0.23	-1.4697	1.2577
66	CC						
67	DD				0.05	-2.9957	-0.0571
68	DD				0.05	-2.9957	-0.0571
69	DD				0.05	-2.9957	-0.0571
70	DD				0.05	-2.9957	-0.0571
71	DD				0.09	-2.4079	0.4493
72	DD				0.05	-2.9957	-0.0571
73	DD				0.05	-2.9957	-0.0571
74	DD				0.05	-2.9957	-0.0571
75	DD				0.05	-2.9957	-0.0571
76	DD				0.05	-2.9957	-0.0571
77	DD				0.05	-2.9957	-0.0571
78	DD				0.05	-2.9957	-0.0571
79	DD				0.05	-2.9957	-0.0571



Samples	Facility	Mercury Treated			Outlier (Yes/No)	Nickel Treated			Outlier (Yes/No)
		(LN)	Z-Score	(LN)		Z-Score			
80	DD					0.05	-2.9957	-0.0571	
81	DD					0.05	-2.9957	-0.0571	
82	DD					0.05	-2.9957	-0.0571	
83	DD					0.05	-2.9957	-0.0571	
84	DD					0.05	-2.9957	-0.0571	
85	DD					0.05	-2.9957	-0.0571	
86	DD								
87	DD								
88	DD								
89	DD								
90	EE					0.10	-2.3026	0.5401	
91	EE					0.10	-2.3026	0.5401	
92	EE					0.10	-2.3026	0.5401	
93	EE					0.10	-2.3026	0.5401	
94	EE					0.10	-2.3026	0.5401	
95	EE								
96	EE					0.10	-2.3026	0.5401	
97	EE					0.10	-2.3026	0.5401	
98	EE					0.10	-2.3026	0.5401	
99	EE					0.10	-2.3026	0.5401	
100	EE					0.10	-2.3026	0.5401	
101	EE					0.10	-2.3026	0.5401	
102	EE					0.10	-2.3026	0.5401	
103	EE					0.16	-1.8326	0.9451	
104	EE					0.10	-2.3026	0.5401	
105	EE					0.10	-2.3026	0.5401	
106	EE					0.10	-2.3026	0.5401	
	<b># of Obs:</b>	4	4	4	0	80	80	80	0
	<b># of NDs:</b>	0				0			
	<b>Minimum:</b>	0.0002	-8.5172			0.0100	-4.6052		
	<b>Mean:</b>	0.0072	-7.1085			0.0959	-2.9295		
	<b>Maximum:</b>	0.0280	-3.5756			0.4800	-0.7340		
	<b>Std:</b>	0.0139	2.3779			0.1043	1.1607		

Samples	Facility	Selenium			Outlier (Yes/No)	Silver			Thallium			Vanadium Treated
		Treated	(LN)	Z-Score		Treated	(LN)	Z-Score	Treated	(LN)	Z-Score	
1	AA	0.06	-2.8134	0.9375		0.01	-4.6052	-0.7303				
2	AA	0.05	-2.9957	-0.6349		0.01	-4.6052	-0.7303				
3	AA	0.05	-2.9957	-0.6349								
4	AA	0.07	-2.6593	2.2669	Yes	0.01	-4.6052	-0.7303				
5	AA											
6	AA											
7	AA											
8	AA											
9	AA	0.05	-2.9957	-0.6349								
10	AA	0.05	-2.9957	-0.6349								
11	AA											
12	AA											
13	AA											
14	AA	0.05	-2.9957	-0.6349								
15	AA											
16	AA											
17	AA											
18	AA											
19	AA											0.02
20	AA											0.02
21	AA											0.02
22	AA											
23	AA											
24	BB											
25	BB											
26	BB											
27	BB											
28	BB								0.08	-2.5257	-0.0253	
29	BB											
30	BB											
31	BB											
32	BB											
33	BB											
34	BB								0.06	-2.8134	-0.5522	
35	BB											
36	BB								0.06	-2.8134	-0.5522	
37	BB								0.09	-2.4079	0.1903	
38	BB											
39	BB											
40	BB											
41	BB											
42	BB											
43	BB											
44	BB											
45	BB											
46	BB											
47	CC											
48	CC											
49	CC											
50	CC											
51	CC											
52	CC											
53	CC											
54	CC								0.05	-2.9957	-0.8860	0.004
55	CC					0.02	-3.9120	1.0954	0.06	-2.8134	-0.5522	
56	CC								0.05	-2.9957	-0.8860	
57	CC					0.02	-3.9120	1.0954				
58	CC											0.021
59	CC											0.004
60	CC											
61	CC											
62	CC											
63	CC								0.23	-1.4697	1.9085	
64	CC											
65	CC											
66	CC								0.17	-1.7720	1.3550	
67	DD											
68	DD											
69	DD											
70	DD											
71	DD											
72	DD	0.05	-2.9957	-0.6349								
73	DD											
74	DD	0.06	-2.8134	0.9375								
75	DD											
76	DD											
77	DD											
78	DD											
79	DD											

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Samples	Facility	Selenium			Silver			Thallium			Vanadium		
		Treated	(LN)	Z-Score	Treated	(LN)	Z-Score	Treated	(LN)	Z-Score			
80	DD												
81	DD												
82	DD	0.05	-2.9957	-0.6349									
83	DD	0.06	-2.8134	0.9375									
84	DD	0.05	-2.9957	-0.6349									
85	DD												
86	DD												
87	DD												
88	DD												
89	DD												
90	EE												
91	EE												
92	EE												
93	EE												
94	EE												
95	EE												
96	EE												
97	EE												
98	EE												
99	EE												
100	EE												
101	EE												
102	EE												
103	EE												
104	EE												
105	EE												
106	EE												
	<b># of Obs:</b>	12	12	12	5	5	5	0	9	9	9	0	6
	<b># of NDs:</b>	0			0				0				0
	<b>Minimum:</b>	0.0500	-2.9957		0.0100	-4.6052			0.0500	-2.9957			0.0040
	<b>Mean:</b>	0.0542	-2.9221		0.0140	-4.3279			0.0944	-2.5119			0.0148
	<b>Maximum:</b>	0.0700	-2.6593		0.0200	-3.9120			0.2300	-1.4697			0.0210
	<b>Std:</b>	0.0067	0.1160		0.0055	0.3797			0.0631	0.5461			0.0084

Samples	Facility	h		Outlier (Yes/No)	Zinc			Outlier (Yes/No)
		(LN)	Z-Score		Treated	(LN)	Z-Score	
1	AA				0.17	-1.77	1.0950	
2	AA				0.11	-2.21	0.7420	
3	AA				0.13	-2.04	0.8774	
4	AA				0.13	-2.04	0.8774	
5	AA							
6	AA							
7	AA							
8	AA				0.11	-2.21	0.7420	
9	AA							
10	AA							
11	AA				0.13	-2.04	0.8774	
12	AA				0.13	-2.04	0.8774	
13	AA							
14	AA							
15	AA							
16	AA				0.22	-1.51	1.3041	
17	AA				0.19	-1.66	1.1852	
18	AA				0.15	-1.90	0.9935	
19	AA	-3.9120	0.6308		0.15	-1.90	0.9935	
20	AA	-3.9120	0.6308		0.13	-2.04	0.8774	
21	AA	-3.9120	0.6308		0.16	-1.83	1.0458	
22	AA							
23	AA				0.27	-1.31	1.4701	
24	BB				0.01	-4.61	-1.2025	
25	BB				0.01	-4.61	-1.2025	
26	BB				0.01	-4.61	-1.2025	
27	BB				0.01	-4.61	-1.2025	
28	BB				0.01	-4.61	-1.2025	
29	BB				0.01	-4.61	-1.2025	
30	BB				0.01	-4.61	-1.2025	
31	BB				0.01	-4.61	-1.2025	
32	BB				0.01	-4.61	-1.2025	
33	BB				0.01	-4.61	-1.2025	
34	BB				0.01	-4.61	-1.2025	
35	BB				0.01	-4.61	-1.2025	
36	BB				0.01	-4.61	-1.2025	
37	BB				0.01	-4.61	-1.2025	
38	BB				0.01	-4.61	-1.2025	
39	BB				0.01	-4.61	-1.2025	
40	BB				0.01	-4.61	-1.2025	
41	BB				0.01	-4.61	-1.2025	
42	BB				0.01	-4.61	-1.2025	
43	BB				0.01	-4.61	-1.2025	
44	BB				0.01	-4.61	-1.2025	
45	BB				0.01	-4.61	-1.2025	
46	BB				0.01	-4.61	-1.2025	
47	CC				0.21	-1.56	1.2663	
48	CC				0.10	-2.30	0.6647	
49	CC				0.11	-2.21	0.7420	
50	CC				0.13	-2.04	0.8774	
51	CC				0.21	-1.56	1.2663	
52	CC				0.23	-1.47	1.3401	
53	CC				0.10	-2.30	0.6647	
54	CC	-5.5215	-1.2907		0.07	-2.66	0.3755	
55	CC				0.07	-2.66	0.3755	
56	CC				0.07	-2.66	0.3755	
57	CC				0.12	-2.12	0.8125	
58	CC	-3.8632	0.6890		0.49	-0.71	1.9534	
59	CC	-5.5215	-1.2907					
60	CC				0.19	-1.66	1.1852	
61	CC				0.14	-1.97	0.9375	
62	CC				0.17	-1.77	1.0950	
63	CC				0.40	-0.92	1.7889	
64	CC				0.38	-0.97	1.7473	
65	CC				0.25	-1.39	1.4077	
66	CC				0.34	-1.08	1.6571	
67	DD				0.02	-3.91	-0.6404	
68	DD				0.02	-3.91	-0.6404	
69	DD				0.02	-3.91	-0.6404	
70	DD				0.04	-3.22	-0.0784	
71	DD				0.06	-2.81	0.2504	
72	DD				0.03	-3.51	-0.3116	
73	DD				0.02	-3.91	-0.6404	
74	DD				0.04	-3.22	-0.0784	
75	DD				0.06	-2.81	0.2504	
76	DD				0.03	-3.51	-0.3116	
77	DD				0.02	-3.91	-0.6404	
78	DD				0.03	-3.51	-0.3116	
79	DD				0.02	-3.91	-0.6404	

Samples	Facility	h			Zinc			Outlier (Yes/No)
		(LN)	Z-Score	Outlier (Yes/No)	Treated	(LN)	Z-Score	
80	DD				0.02	-3.91	-0.6404	
81	DD				0.02	-3.91	-0.6404	
82	DD				0.42	-0.87	1.8284	
83	DD				0.11	-2.21	0.7420	
84	DD				0.03	-3.51	-0.3116	
85	DD				0.03	-3.51	-0.3116	
86	DD				0.02	-3.91	-0.6404	
87	DD				0.03	-3.51	-0.3116	
88	DD				0.05	-3.00	0.1026	
89	DD				0.03	-3.51	-0.3116	
90	EE				0.02	-3.91	-0.6404	
91	EE				0.02	-3.91	-0.6404	
92	EE				0.02	-3.91	-0.6404	
93	EE				0.02	-3.91	-0.6404	
94	EE				0.02	-3.91	-0.6404	
95	EE				0.02	-3.91	-0.6404	
96	EE				0.02	-3.91	-0.6404	
97	EE				0.02	-3.91	-0.6404	
98	EE				0.02	-3.91	-0.6404	
99	EE				0.02	-3.91	-0.6404	
100	EE				0.03	-3.51	-0.3116	
101	EE				0.03	-3.51	-0.3116	
102	EE				0.24	-1.43	1.3746	
103	EE				0.09	-2.41	0.5793	
104	EE				0.05	-3.00	0.1026	
105	EE				0.12	-2.12	0.8125	
106	EE				0.71	-0.34	2.2542	Yes
	<b># of Obs:</b>	6	6	0	96	96	96	1
	<b># of NDs:</b>				0			
	<b>Minimum:</b>	-5.5215			0.0100	-4.6052		
	<b>Mean:</b>	-4.4404			0.0920	-3.1223		
	<b>Maximum:</b>	-3.8632			0.7100	-0.3425		
	<b>Std:</b>	0.8376			0.1208	1.2332		