

US EPA ARCHIVE DOCUMENT

SUMMARY OF BULK AND EP ANALYSIS RESULTS FOR MINERAL PROCESSING WASTE (RECYCLED PORTION)

November, 1996

Bulk Samples. Nonwastewaters.

Constituents	Number of Detections	Commodity	Waste Stream	Facility Identifier	State	Constituent	Volume of	Constituent	Area of
						Concentration in Waste (mg/kg)	Waste Pile (m ³) (1)	Mass per Waste Pile (kg) (2)	Waste Pile (m ²)
Antimony	1	Alumina and Aluminum	Cast house dust	Unknown	Unknowr	7.5	107	1.08938	108
Arsenic	1	Alumina and Aluminum	Cast house dust	Unknown	Unknowr	32	107	4.648	108
Barium	1	Alumina and Aluminum	Cast house dust	Unknown	Unknowr	10	107	1.4525	108
Cadmium	1	Alumina and Aluminum	Cast house dust	Unknown	Unknowr	7.2	107	1.0458	108
Chromium	1	Alumina and Aluminum	Cast house dust	Unknown	Unknowr	110	107	15.9775	108
Lead	2	Alumina and Aluminum	Cast house dust	Unknown	Unknowr	17	107	2.46925	108
Lead		Zinc	Waste ferrosilicon	Unknown	Unknowr	5000	1093	7437.5	509
Mercury	1	Alumina and Aluminum	Cast house dust	Unknown	Unknowr	0.0001	107	0.00001	108
Nickel	1	Alumina and Aluminum	Cast house dust	Unknown	Unknowr	260	107	37.765	108
Selenium	1	Alumina and Aluminum	Cast house dust	Unknown	Unknowr	0.92	107	0.13363	108
Silver	1	Alumina and Aluminum	Cast house dust	Unknown	Unknowr	1.9	107	0.27598	108
Zinc	2	Alumina and Aluminum	Cast house dust	Unknown	Unknowr	120	107	17.43	108
Zinc		Zinc	Waste ferrosilicon	Unknown	Unknowr	40000	1093	59500.	509

Bulk Samples. Wastewaters and Liquid Nonwastewaters

Constituents	Number of Detections	Commodity	Waste Stream	Facility Identifier	State	Constituent	Volume of	Constituent	Area of
						Concentration in Waste (mg/l)	Surface Impoundment (m ³) (3)	Mass in Surface Impoundment (kg) (4)	Surface Impoundment (m ²)
Antimony	31	Beryllium	Chip treatment wastewater	One Unnamed Facility	Unknowr	0.003	417	0.00125	558
Antimony		Copper	Acid plant blowdown	Unknown	Unknowr	140	22083	3091.66667	10441
Antimony		Copper	Acid plant blowdown	Unknown	Unknowr	5	22083	110.41667	10441
Antimony		Copper	Acid plant blowdown	Unknown	Unknowr	0.5	22083	11.04167	10441
Antimony		Copper	Acid plant blowdown	Unknown	Unknowr	0.263	22083	5.80792	10441
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	4.8	17500	84.	8429
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	2.4	17500	42.	8429
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	2	17500	35.	8429
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	1.16	17500	20.3	8429
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.016	17500	0.28	8429
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.016	17500	0.28	8429
Antimony		Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385
Antimony		Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385
Antimony		Selenium	Plant process wastewaters	AMAX, Fort Madison	IA	0.5	550	0.275	631
Antimony		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unnamed Facility	Unknowr	0.1	4375	0.4375	2517
Antimony		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Timet, Henderson	NV	2.5	4000	10.	2341
Antimony		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknowr	0.074	4000	0.296	2341
Antimony		Titanium and Titanium Dioxide	Scrap milling scrubber water	SCM, Baltimore	MD	0.5	42	0.02083	340
Antimony		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.933	99167	92.5225	43384
Antimony		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.5	99167	49.58333	43384
Antimony		Zinc	Process wastewater	Zinc Corp, Monaca	PA	1	99167	49.58333	43384
Antimony		Zinc	Process wastewater	Unknown	Unknowr	0.5	99167	49.58333	43384
Antimony		Zinc	Process wastewater	Unknown	Unknowr	0.5	99167	49.58333	43384
Antimony		Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.155	99167	15.37083	43384
Antimony		Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Antimony		Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Antimony		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Antimony		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Antimony		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Antimony		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Antimony	44	Beryllium	Chip treatment wastewater	One Unnamed Facility	Unknowr	0.003	417	0.00125	558
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	5800	22083	128083.33333	10441
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	3400	22083	75083.33333	10441
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	2410	22083	53220.83333	10441
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	700	22083	15458.33333	10441
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	334	22083	7375.83333	10441
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	116	22083	2561.66667	10441
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	32.9	22083	726.54167	10441
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	30	22083	662.5	10441
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	5.41	22083	119.47083	10441
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	3	22083	66.25	10441
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	3	22083	66.25	10441
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	1.5	22083	33.125	10441
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	0.5	22083	11.04167	10441
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	0.05	22083	1.10417	10441
Arsenic		Copper	Acid plant blowdown	Unknown	Unknowr	0.05	22083	1.10417	10441
Arsenic		Elemental Phosphorus	AFM rinsate	Unknown	Unknowr	1	167	0.16667	415
Arsenic		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	8.7	17500	152.25	8429
Arsenic		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknowr	1	17500	17.5	8429
Arsenic		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.501	17500	8.7675	8429
Arsenic		Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	0.5	17500	8.75	8429
Arsenic		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.4	17500	7.	8429

Arsenic	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429
Arsenic	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429
Arsenic	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.016	17500	0.28	8429
Arsenic	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385
Arsenic	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385
Arsenic	Selenium	Plant process wastewaters	Climax Molyb.	IA	2.4	550	1.32	631
Arsenic	Selenium	Plant process wastewaters	AMAX, Fort Madison	IA	0.5	550	0.275	631
Arsenic	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Timet, Henderson	NV	2.5	4000	10.	2341
Arsenic	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknowr	0.1	4000	0.4	2341
Arsenic	Titanium and Titanium Dioxide	Scrap milling scrubber water	SCM, Baltimore	MD	0.5	42	0.02083	340
Arsenic	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	2.54	99167	251.88333	43384
Arsenic	Zinc	Process wastewater	Zinc Corp, Monaca	PA	1	99167	136.85	43384
Arsenic	Zinc	Process wastewater	Unknown	Unknowr	1.1	99167	109.08333	43384
Arsenic	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.5	99167	49.58333	43384
Arsenic	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Arsenic	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Arsenic	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Arsenic	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Arsenic	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Arsenic	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.002	99167	0.19833	43384
Arsenic	Zinc	Process wastewater	Unknown	Unknowr	0.002	99167	0.19833	43384
Arsenic	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	214	10500	2247.	5319
Barium	35 Copper	Acid plant blowdown	Unknown	Unknowr	5.9	22083	130.29167	10441
Barium	Copper	Acid plant blowdown	Unknown	Unknowr	5.8	22083	128.08333	10441
Barium	Copper	Acid plant blowdown	Unknown	Unknowr	1.4	22083	30.91667	10441
Barium	Copper	Acid plant blowdown	Unknown	Unknowr	1.2	22083	26.5	10441
Barium	Copper	Acid plant blowdown	Unknown	Unknowr	1	22083	22.08333	10441
Barium	Copper	Acid plant blowdown	Unknown	Unknowr	0.5	22083	11.04167	10441
Barium	Copper	Acid plant blowdown	Unknown	Unknowr	0.25	22083	5.52083	10441
Barium	Copper	Acid plant blowdown	Unknown	Unknowr	0.2	22083	4.41667	10441
Barium	Copper	Acid plant blowdown	Unknown	Unknowr	0.126	22083	2.7825	10441
Barium	Copper	Acid plant blowdown	Unknown	Unknowr	0.05	22083	1.10417	10441
Barium	Copper	Acid plant blowdown	Unknown	Unknowr	0.05	22083	1.10417	10441
Barium	Copper	Acid plant blowdown	Unknown	Unknowr	0.05	22083	1.10417	10441
Barium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	280	17500	4900.	8429
Barium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	12	17500	210.	8429
Barium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.71	17500	12.425	8429
Barium	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	0.5	17500	8.75	8429
Barium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.26	17500	4.55	8429
Barium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429
Barium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429
Barium	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385
Barium	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385
Barium	Selenium	Plant process wastewaters	AMAX, Fort Madison	IA	0.5	550	0.275	631
Barium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Timet, Henderson	NV	2.5	4000	10.	2341
Barium	Titanium and Titanium Dioxide	Scrap milling scrubber water	SCM, Baltimore	MD	0.5	42	0.02083	340
Barium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.5	99167	49.58333	43384
Barium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	1	99167	49.58333	43384
Barium	Zinc	Process wastewater	Unknown	Unknowr	0.5	99167	49.58333	43384
Barium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.223	99167	22.11417	43384
Barium	Zinc	Process wastewater	Unknown	Unknowr	0.2	99167	19.83333	43384
Barium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.074	99167	7.33833	43384
Barium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Barium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Barium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Barium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Barium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Beryllium	26 Beryllium	Chip treatment wastewater	One Unnamed Facility	Unknowr	3300	417	1375.	558
Beryllium	Copper	Acid plant blowdown	Unknown	Unknowr	0.125	22083	2.76042	10441
Beryllium	Copper	Acid plant blowdown	Unknown	Unknowr	0.005	22083	0.11042	10441
Beryllium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.93	17500	16.275	8429
Beryllium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.16	17500	2.8	8429
Beryllium	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	0.05	17500	0.875	8429
Beryllium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.011	17500	0.1925	8429
Beryllium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.005	17500	0.0875	8429
Beryllium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.005	17500	0.0875	8429
Beryllium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.002	17500	0.035	8429
Beryllium	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.05	117	0.00583	385
Beryllium	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.05	117	0.00583	385
Beryllium	Selenium	Plant process wastewaters	AMAX, Fort Madison	IA	0.05	550	0.0275	631
Beryllium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Timet, Henderson	NV	0.25	4000	1.	2341
Beryllium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknowr	0.0002	4000	0.0008	2341
Beryllium	Titanium and Titanium Dioxide	Scrap milling scrubber water	SCM, Baltimore	MD	0.152	42	0.00633	340
Beryllium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Beryllium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0	99167	4.95833	43384
Beryllium	Zinc	Process wastewater	Unknown	Unknowr	0.01	99167	0.99167	43384
Beryllium	Zinc	Process wastewater	Unknown	Unknowr	0.01	99167	0.99167	43384
Beryllium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.005	99167	0.49583	43384
Beryllium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.005	99167	0.49583	43384
Beryllium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.005	99167	0.49583	43384
Beryllium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.005	99167	0.49583	43384
Beryllium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.005	99167	0.49583	43384
Beryllium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.005	99167	0.49583	43384
Beryllium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.005	99167	0.49583	43384
Cadmium	76 Beryllium	Chip treatment wastewater	One Unnamed Facility	Unknowr	0.063	417	0.02625	558
Cadmium	Copper	Acid plant blowdown	Unknown	Unknowr	620	22083	13691.66667	10441
Cadmium	Copper	Acid plant blowdown	Unknown	Unknowr	290	22083	6404.16667	10441
Cadmium	Copper	Acid plant blowdown	Unknown	Unknowr	25.1	22083	554.29167	10441
Cadmium	Copper	Acid plant blowdown	Unknown	Unknowr	19	22083	419.58333	10441
Cadmium	Copper	Acid plant blowdown	Unknown	Unknowr	11	22083	242.91667	10441
Cadmium	Copper	Acid plant blowdown	Unknown	Unknowr	10.8	22083	238.5	10441

Cadmium	Copper	Acid plant blowdown	Unknown	Unknown	10	22083	220.83333	10441
Cadmium	Copper	Acid plant blowdown	Unknown	Unknown	6	22083	132.5	10441
Cadmium	Copper	Acid plant blowdown	Unknown	Unknown	5.4	22083	119.25	10441
Cadmium	Copper	Acid plant blowdown	Unknown	Unknown	5	22083	110.41667	10441
Cadmium	Copper	Acid plant blowdown	Unknown	Unknown	1.3	22083	28.70833	10441
Cadmium	Copper	Acid plant blowdown	Unknown	Unknown	1.18	22083	26.05833	10441
Cadmium	Copper	Acid plant blowdown	Unknown	Unknown	1	22083	22.08333	10441
Cadmium	Copper	Acid plant blowdown	Unknown	Unknown	0.52	22083	11.48333	10441
Cadmium	Copper	Acid plant blowdown	Unknown	Unknown	0.43	22083	9.49583	10441
Cadmium	Copper	Acid plant blowdown	Unknown	Unknown	0.2	22083	4.41667	10441
Cadmium	Elemental Phosphorus	AFM rinsate	Unknown	Unknown	4	167	0.66667	415
Cadmium	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	9.6	17500	168.	8429
Cadmium	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	4.75	17500	83.125	8429
Cadmium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	4	17500	70.	8429
Cadmium	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	3.7	17500	64.75	8429
Cadmium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	3	17500	52.5	8429
Cadmium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Silver Bow	MT	2.86	17500	50.05	8429
Cadmium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	1.9	17500	33.25	8429
Cadmium	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	1.3	17500	22.75	8429
Cadmium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	0.6675	17500	11.68125	8429
Cadmium	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	0.593	17500	10.3775	8429
Cadmium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.024	17500	0.42	8429
Cadmium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.005	17500	0.0875	8429
Cadmium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	0.001	17500	0.0175	8429
Cadmium	Rare Earths	Process wastewater	D. S. Chemical, Chattanooga	TN	0.054	117	0.0063	385
Cadmium	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.05	117	0.00583	385
Cadmium	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.05	117	0.00583	385
Cadmium	Rare Earths	Process wastewater	D.S. Chemical, Chattanooga	TN	0.0005	117	0.00006	385
Cadmium	Selenium	Plant process wastewaters	AMAX, Fort Madison	IA	0.05	550	0.0275	631
Cadmium	Selenium	Plant process wastewaters	Climax Molyb.	IA	0.017	550	0.00935	631
Cadmium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unnamed Facility	Unknown	0.2	4375	0.875	2517
Cadmium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Timet, Henderson	NV	0.25	4000	1.	2341
Cadmium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknown	0.16	4000	0.64	2341
Cadmium	Titanium and Titanium Dioxide	Scrap milling scrubber water	SCM, Baltimore	MD	0.05	42	0.00208	340
Cadmium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	555	99167	55037.5	43384
Cadmium	Zinc	Process wastewater	Unknown	Unknown	410	99167	40658.33333	43384
Cadmium	Zinc	Process wastewater	Unknown	Unknown	160	99167	15866.66667	43384
Cadmium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	113	99167	11205.83333	43384
Cadmium	Zinc	Process wastewater	Unknown	Unknown	93	99167	9222.5	43384
Cadmium	Zinc	Process wastewater	Unknown	Unknown	71.3	99167	7070.58333	43384
Cadmium	Zinc	Process wastewater	Jersey Miniere, Clarksville	TN	62.5	99167	6197.91667	43384
Cadmium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	44	99167	4363.33333	43384
Cadmium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	38.4	99167	3808.	43384
Cadmium	Zinc	Process wastewater	Jersey Miniere, Clarksville	TN	25	99167	2479.16667	43384
Cadmium	Zinc	Process wastewater	Unknown	Unknown	4	99167	396.66667	43384
Cadmium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	3.09	99167	306.425	43384
Cadmium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	2.71	99167	268.74167	43384
Cadmium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.454	99167	45.02167	43384
Cadmium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.0562	99167	5.57317	43384
Cadmium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.0185	99167	1.83458	43384
Cadmium	Zinc	Process wastewater	Unknown	Unknown	0.003	99167	0.2975	43384
Cadmium	Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	40000	10500	420000.	5319
Cadmium	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	5492	10500	57666.	5319
Cadmium	Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	870	10500	9135.	5319
Cadmium	Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	650	10500	6825.	5319
Cadmium	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	600	10500	6300.	5319
Cadmium	Zinc	Spent surface impoundment liquid	Zinc Corp of America	OK	160	10500	1680.	5319
Cadmium	Zinc	Spent surface impoundment liquid	Zinc Corp of America	OK	100	10500	1050.	5319
Cadmium	Zinc	Spent surface impoundment liquid	Zinc Corp of America	OK	93	10500	976.5	5319
Cadmium	Zinc	Spent surface impoundment liquid	Zinc Corp of America	OK	90	10500	945.	5319
Cadmium	Zinc	Spent surface impoundment liquid	Zinc Corp of America	OK	70	10500	735.	5319
Cadmium	Zinc	Spent surface impoundment liquid	Jersey Miniere	TN	45	10500	472.5	5319
Cadmium	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	5.2	10500	54.6	5319
Cadmium	Zinc	Spent surface impoundment liquid	Zinc Corp of America	OK	1.3	10500	13.65	5319
Cadmium	Zinc	Spent surface impoundment liquid	Zinc Corp of America	OK	1.3	10500	13.65	5319
Cadmium	Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	0.3	10500	3.15	5319
Cadmium	Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	0.2	10500	2.1	5319
Cadmium	Zinc	WWTP liquid effluent	Zinc Corp of America	OK	24200	7250	175450.	3850
Cadmium	Zinc	WWTP liquid effluent	Zinc Corp of America	OK	1	7250	7.25	3850
Chromium	45 Beryllium	Chip treatment wastewater	One Unnamed Facility	Unknown	7.4	417	3.08333	558
Chromium	Copper	Acid plant blowdown	Unknown	Unknown	21	22083	463.75	10441
Chromium	Copper	Acid plant blowdown	Unknown	Unknown	19	22083	419.58333	10441
Chromium	Copper	Acid plant blowdown	Unknown	Unknown	2.37	22083	52.3375	10441
Chromium	Copper	Acid plant blowdown	Unknown	Unknown	1.8	22083	39.75	10441
Chromium	Copper	Acid plant blowdown	Unknown	Unknown	1.4	22083	30.91667	10441
Chromium	Copper	Acid plant blowdown	Unknown	Unknown	1.2	22083	26.5	10441
Chromium	Copper	Acid plant blowdown	Unknown	Unknown	1.05	22083	23.1875	10441
Chromium	Copper	Acid plant blowdown	Unknown	Unknown	1	22083	22.08333	10441
Chromium	Copper	Acid plant blowdown	Unknown	Unknown	0.78	22083	17.225	10441
Chromium	Copper	Acid plant blowdown	Unknown	Unknown	0.4	22083	8.83333	10441
Chromium	Copper	Acid plant blowdown	Unknown	Unknown	0.259	22083	5.71958	10441
Chromium	Copper	Acid plant blowdown	Unknown	Unknown	0.16	22083	3.53333	10441
Chromium	Copper	Acid plant blowdown	Unknown	Unknown	0.13	22083	2.87083	10441
Chromium	Copper	Acid plant blowdown	Unknown	Unknown	0.1	22083	2.20833	10441
Chromium	Elemental Phosphorus	AFM rinsate	Unknown	Unknown	1	167	0.16667	415
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	940	17500	16450.	8429
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	41	17500	717.5	8429
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	2	17500	35.	8429
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	1.6	17500	28.	8429
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	1.53	17500	26.775	8429

Chromium	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	1.2	17500	21.	8429	
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Silver Bow	MT	0.07	17500	1.225	8429	
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429	
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429	
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	0.0005	17500	0.00875	8429	
Chromium	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385	
Chromium	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385	
Chromium	Rare Earths	Process wastewater	D.S. Chemical, Chattanooga	TN	0.041	117	0.00478	385	
Chromium	Rare Earths	Process wastewater	D.S. Chemical, Chattanooga	TN	0.0005	117	0.00006	385	
Chromium	Selenium	Plant process wastewaters	AMAX, Fort Madison	IA	0.5	550	0.275	631	
Chromium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Timet, Henderson	NV	2.5	4000	10.	2341	
Chromium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknown	1.2	4000	4.8	2341	
Chromium	Titanium and Titanium Dioxide	Scrap milling scrubber water	SCM, Baltimore	MD	0.5	42	0.02083	340	
Chromium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.5	99167	49.58333	43384	
Chromium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	1	99167	49.58333	43384	
Chromium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.386	99167	38.27833	43384	
Chromium	Zinc	Process wastewater	Unknown	Unknown	0.06	99167	5.95	43384	
Chromium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384	
Chromium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384	
Chromium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384	
Chromium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384	
Chromium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384	
Chromium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384	
Chromium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.045	99167	4.4625	43384	
Chromium	Zinc	Process wastewater	Unknown	Unknown	0.001	99167	0.09917	43384	
Cyanide	3	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	0.9	17500	15.75	8429
Cyanide		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unnamed Facility	Unknown	0.009	4375	0.03938	2517
Cyanide		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.005	99167	0.49583	43384
Lead	56	Beryllium	Chip treatment wastewater	One Unnamed Facility	Unknown	0.2	417	0.08333	558
Lead		Copper	Acid plant blowdown	Unknown	17900	22083	395291.66667	10441	
Lead		Copper	Acid plant blowdown	Unknown	710	22083	15679.16667	10441	
Lead		Copper	Acid plant blowdown	Unknown	700	22083	15458.33333	10441	
Lead		Copper	Acid plant blowdown	Unknown	640	22083	14133.33333	10441	
Lead		Copper	Acid plant blowdown	Unknown	100	22083	2208.33333	10441	
Lead		Copper	Acid plant blowdown	Unknown	42.5	22083	938.54167	10441	
Lead		Copper	Acid plant blowdown	Unknown	19	22083	419.58333	10441	
Lead		Copper	Acid plant blowdown	Unknown	9.87	22083	217.9625	10441	
Lead		Copper	Acid plant blowdown	Unknown	8	22083	176.66667	10441	
Lead		Copper	Acid plant blowdown	Unknown	6.23	22083	137.57917	10441	
Lead		Copper	Acid plant blowdown	Unknown	5.6	22083	123.66667	10441	
Lead		Copper	Acid plant blowdown	Unknown	5	22083	110.41667	10441	
Lead		Copper	Acid plant blowdown	Unknown	4.9	22083	108.20833	10441	
Lead		Copper	Acid plant blowdown	Unknown	4	22083	88.33333	10441	
Lead		Copper	Acid plant blowdown	Unknown	3.15	22083	69.5625	10441	
Lead		Copper	Acid plant blowdown	Unknown	2.8	22083	61.83333	10441	
Lead		Copper	Acid plant blowdown	Unknown	2.5	22083	55.20833	10441	
Lead		Copper	Acid plant blowdown	Unknown	0.53	22083	11.70417	10441	
Lead		Copper	Acid plant blowdown	Unknown	0.2	22083	4.41667	10441	
Lead		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	150	17500	2625.	8429
Lead		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	52	17500	910.	8429
Lead		Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	1.4	17500	24.5	8429
Lead		Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.955	17500	16.7125	8429
Lead		Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	0.6	17500	10.5	8429
Lead		Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	0.523	17500	9.1525	8429
Lead		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	0.037	17500	0.6475	8429
Lead		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	0.004	17500	0.07	8429
Lead		Rare Earths	Process wastewater	Molycorp, Louviers	CO	8.45	117	0.98583	385
Lead		Rare Earths	Process wastewater	Molycorp, Louviers	CO	1.23	117	0.1435	385
Lead		Rare Earths	Process wastewater	D.S. Chemical, Chattanooga	TN	0.33	117	0.0385	385
Lead		Rare Earths	Process wastewater	D.S. Chemical, Chattanooga	TN	0.0005	117	0.00006	385
Lead		Selenium	Plant process wastewaters	AMAX, Fort Madison	IA	16.9	550	9.295	631
Lead		Selenium	Plant process wastewaters	Climax Molyb.	IA	1.42	550	0.781	631
Lead		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknown	2.8	4000	11.2	2341
Lead		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Timet, Henderson	NV	1.25	4000	5.	2341
Lead		Titanium and Titanium Dioxide	Scrap milling scrubber water	SCM, Baltimore	MD	0.25	42	0.01042	340
Lead		Zinc	Process wastewater	Unknown	300	99167	29750.	43384	
Lead		Zinc	Process wastewater	Zinc Corp, Monaca	PA	17	99167	1636.25	43384
Lead		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	10.9	99167	1080.91667	43384
Lead		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	9.6	99167	952.	43384
Lead		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	8.3	99167	823.08333	43384
Lead		Zinc	Process wastewater	Zinc Corp, Monaca	PA	6.58	99167	652.51667	43384
Lead		Zinc	Process wastewater	Unknown	5.8	99167	575.16667	43384	
Lead		Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.348	99167	34.51	43384
Lead		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.0577	99167	5.72192	43384
Lead		Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.025	99167	2.47917	43384
Lead		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.025	99167	2.47917	43384
Lead		Zinc	Process wastewater	Unknown	0.0005	99167	0.04958	43384	
Lead		Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	200000	10500	2100000.	5319
Lead		Zinc	Spent surface impoundment liquid	Big River Zinc	IL	13950	10500	146475.	5319
Lead		Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	7000	10500	73500.	5319
Lead		Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	5000	10500	52500.	5319
Lead		Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	2500	10500	26250.	5319
Lead		Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	0.7	10500	7.35	5319
Lead		Zinc	WWTP liquid effluent	Zinc Corp of America	OK	6100	7250	44225.	3850
Mercury	42	Beryllium	Chip treatment wastewater	One Unnamed Facility	Unknown	0.0002	417	0.00008	558
Mercury		Copper	Acid plant blowdown	Unknown	1.5	22083	33.125	10441	
Mercury		Copper	Acid plant blowdown	Unknown	1.5	22083	33.125	10441	
Mercury		Copper	Acid plant blowdown	Unknown	0.36	22083	7.95	10441	
Mercury		Copper	Acid plant blowdown	Unknown	0.062	22083	1.36917	10441	
Mercury		Copper	Acid plant blowdown	Unknown	0.0428	22083	0.94517	10441	
Mercury		Copper	Acid plant blowdown	Unknown	0.0125	22083	0.27604	10441	

Mercury	Copper	Acid plant blowdown	Unknown	Unknown	0.005	22083	0.11042	10441
Mercury	Copper	Acid plant blowdown	Unknown	Unknown	0.005	22083	0.11042	10441
Mercury	Copper	Acid plant blowdown	Unknown	Unknown	0.0046	22083	0.10158	10441
Mercury	Copper	Acid plant blowdown	Unknown	Unknown	0.0022	22083	0.04858	10441
Mercury	Copper	Acid plant blowdown	Unknown	Unknown	0.0018	22083	0.03975	10441
Mercury	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	0.1	17500	1.75	8429
Mercury	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	0.05	17500	0.875	8429
Mercury	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	0.0002	17500	0.0035	8429
Mercury	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	0.00015	17500	0.00263	8429
Mercury	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Silver Bow	MT	0.00012	17500	0.0021	8429
Mercury	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	0.0001	17500	0.00175	8429
Mercury	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.0001	17500	0.00175	8429
Mercury	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.0001	17500	0.00175	8429
Mercury	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.0001	117	0.00001	385
Mercury	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.0001	117	0.00001	385
Mercury	Selenium	Plant process wastewaters	AMAX, Fort Madison	IA	0.00072	550	0.0004	631
Mercury	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Timet, Henderson	NV	0.0016	4000	0.0064	2341
Mercury	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknown	0.0002	4000	0.0008	2341
Mercury	Titanium and Titanium Dioxide	Scrap milling scrubber water	SCM, Baltimore	MD	0.0001	42	0.	340
Mercury	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0	99167	34.51	43384
Mercury	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.0274	99167	2.71717	43384
Mercury	Zinc	Process wastewater	Unknown	Unknown	0.018	99167	1.785	43384
Mercury	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.00999	99167	0.99068	43384
Mercury	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.0065	99167	0.64458	43384
Mercury	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.0031	99167	0.30742	43384
Mercury	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.0019	99167	0.18842	43384
Mercury	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.00075	99167	0.07438	43384
Mercury	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.0001	99167	0.00992	43384
Mercury	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.0001	99167	0.00992	43384
Mercury	Zinc	Process wastewater	Unknown	Unknown	0.0001	99167	0.00992	43384
Mercury	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	23.8	10500	249.9	5319
Mercury	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	3.538	10500	37.149	5319
Mercury	Zinc	Spent surface impoundment liquid	Jersey Miniere	TN	1	10500	10.5	5319
Mercury	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	1	10500	10.5	5319
Mercury	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	0.17	10500	1.785	5319
Nickel	43 Beryllium	Chip treatment wastewater	One Unnamed Facility	Unknown	0.78	417	0.325	558
Nickel	Copper	Acid plant blowdown	Unknown	Unknown	1450	22083	32020.83333	10441
Nickel	Copper	Acid plant blowdown	Unknown	Unknown	940	22083	20758.33333	10441
Nickel	Copper	Acid plant blowdown	Unknown	Unknown	20	22083	441.66667	10441
Nickel	Copper	Acid plant blowdown	Unknown	Unknown	16	22083	353.33333	10441
Nickel	Copper	Acid plant blowdown	Unknown	Unknown	2	22083	44.16667	10441
Nickel	Copper	Acid plant blowdown	Unknown	Unknown	1.95	22083	43.0625	10441
Nickel	Copper	Acid plant blowdown	Unknown	Unknown	1.8	22083	39.75	10441
Nickel	Copper	Acid plant blowdown	Unknown	Unknown	1.2	22083	26.5	10441
Nickel	Copper	Acid plant blowdown	Unknown	Unknown	1.2	22083	26.5	10441
Nickel	Copper	Acid plant blowdown	Unknown	Unknown	0.481	22083	10.62208	10441
Nickel	Copper	Acid plant blowdown	Unknown	Unknown	0.005	22083	0.11042	10441
Nickel	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	530	17500	9275.	8429
Nickel	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	19	17500	332.5	8429
Nickel	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	1.3	17500	22.75	8429
Nickel	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	0.5	17500	8.75	8429
Nickel	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	0.2	17500	3.5	8429
Nickel	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429
Nickel	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429
Nickel	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	0.009	17500	0.1575	8429
Nickel	Rare Earths	Process wastewater	D.S. Chemical, Chattanooga	TN	4	117	0.46667	385
Nickel	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385
Nickel	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385
Nickel	Rare Earths	Process wastewater	D.S. Chemical, Chattanooga	TN	0.008	117	0.00093	385
Nickel	Selenium	Plant process wastewaters	AMAX, Fort Madison	IA	0.5	550	0.275	631
Nickel	Selenium	Plant process wastewaters	Climax Molyb.	IA	0.1	550	0.055	631
Nickel	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unnamed Facility	Unknown	1	4375	4.375	2517
Nickel	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknown	7	4000	28.	2341
Nickel	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Timet, Henderson	NV	2.5	4000	10.	2341
Nickel	Titanium and Titanium Dioxide	Scrap milling scrubber water	SCM, Baltimore	MD	0.5	42	0.02083	340
Nickel	Zinc	Process wastewater	Zinc Corp, Monaca	PA	11	99167	1041.25	43384
Nickel	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	8.12	99167	805.23333	43384
Nickel	Zinc	Process wastewater	Unknown	Unknown	6.3	99167	624.75	43384
Nickel	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	1.6	99167	158.66667	43384
Nickel	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.5	99167	49.58333	43384
Nickel	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Nickel	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Nickel	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Nickel	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Nickel	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Nickel	Zinc	Process wastewater	Unknown	Unknown	0.03	99167	2.975	43384
Nickel	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	257	10500	2698.5	5319
Nickel	Zinc	WWTP liquid effluent	Zinc Corp of America	OK	410	7250	2972.5	3850
Selenium	43 Beryllium	Chip treatment wastewater	One Unnamed Facility	Unknown	0.003	417	0.00125	558
Selenium	Copper	Acid plant blowdown	Unknown	Unknown	1000	22083	22083.33333	10441
Selenium	Copper	Acid plant blowdown	Unknown	Unknown	11.9	22083	262.79167	10441
Selenium	Copper	Acid plant blowdown	Unknown	Unknown	9.1	22083	200.95833	10441
Selenium	Copper	Acid plant blowdown	Unknown	Unknown	2.1	22083	46.375	10441
Selenium	Copper	Acid plant blowdown	Unknown	Unknown	2	22083	44.16667	10441
Selenium	Copper	Acid plant blowdown	Unknown	Unknown	0.761	22083	16.80542	10441
Selenium	Copper	Acid plant blowdown	Unknown	Unknown	0.5	22083	11.04167	10441
Selenium	Copper	Acid plant blowdown	Unknown	Unknown	0.12	22083	2.65	10441
Selenium	Copper	Acid plant blowdown	Unknown	Unknown	0.1	22083	2.20833	10441
Selenium	Copper	Acid plant blowdown	Unknown	Unknown	0.005	22083	0.11042	10441
Selenium	Copper	Acid plant blowdown	Unknown	Unknown	0.005	22083	0.11042	10441

Selenium	Copper	Acid plant blowdown	Unknown	Unknowr	0.005	22083	0.11042	10441
Selenium	Copper	Acid plant blowdown	Unknown	Unknowr	0.002	22083	0.04417	10441
Selenium	Elemental Phosphorus	AFM rinsate	Unknown	Unknowr	1	167	0.16667	415
Selenium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknowr	1	17500	17.5	8429
Selenium	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	0.5	17500	8.75	8429
Selenium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429
Selenium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429
Selenium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.045	17500	0.7875	8429
Selenium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Silver Bow	MT	0.045	17500	0.7875	8429
Selenium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.0025	17500	0.04375	8429
Selenium	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385
Selenium	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385
Selenium	Selenium	Plant process wastewaters	Climax Molyb.	IA	3.6	550	1.98	631
Selenium	Selenium	Plant process wastewaters	AMAX, Fort Madison	IA	0.5	550	0.275	631
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unnamed Facility	Unknowr	0.01	4375	0.04375	2517
Selenium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Timet, Henderson	NV	2.5	4000	10.	2341
Selenium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknowr	0.014	4000	0.056	2341
Selenium	Titanium and Titanium Dioxide	Scrap milling scrubber water	SCM, Baltimore	MD	0.5	42	0.02083	340
Selenium	Zinc	Process wastewater	Unknown	Unknowr	100000	99167	#####	43384
Selenium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.5	99167	49.58333	43384
Selenium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	1	99167	49.58333	43384
Selenium	Zinc	Process wastewater	Unknown	Unknowr	0.39	99167	38.675	43384
Selenium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Selenium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Selenium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Selenium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Selenium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Selenium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Selenium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.01	99167	0.99167	43384
Selenium	Zinc	Process wastewater	Unknown	Unknowr	0.0025	99167	0.24792	43384
Selenium	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	11	10500	115.5	5319
Silver	38 Beryllium	Chip treatment wastewater	One Unnamed Facility	Unknowr	0.04	417	0.01667	558
Silver	Copper	Acid plant blowdown	Unknown	Unknowr	124	22083	2738.33333	10441
Silver	Copper	Acid plant blowdown	Unknown	Unknowr	1	22083	22.08333	10441
Silver	Copper	Acid plant blowdown	Unknown	Unknowr	1	22083	22.08333	10441
Silver	Copper	Acid plant blowdown	Unknown	Unknowr	0.5	22083	11.04167	10441
Silver	Copper	Acid plant blowdown	Unknown	Unknowr	0.05	22083	1.10417	10441
Silver	Copper	Acid plant blowdown	Unknown	Unknowr	0.04	22083	0.88333	10441
Silver	Copper	Acid plant blowdown	Unknown	Unknowr	0.03	22083	0.6625	10441
Silver	Copper	Acid plant blowdown	Unknown	Unknowr	0.022	22083	0.48583	10441
Silver	Copper	Acid plant blowdown	Unknown	Unknowr	0.02	22083	0.44167	10441
Silver	Copper	Acid plant blowdown	Unknown	Unknowr	0.01	22083	0.22083	10441
Silver	Copper	Acid plant blowdown	Unknown	Unknowr	0.0025	22083	0.05521	10441
Silver	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	1.6	17500	28.	8429
Silver	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	1.03	17500	18.025	8429
Silver	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.6	17500	10.5	8429
Silver	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429
Silver	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429
Silver	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.001	17500	0.0175	8429
Silver	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.001	17500	0.0175	8429
Silver	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385
Silver	Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385
Silver	Selenium	Plant process wastewaters	AMAX, Fort Madison	IA	0.5	550	0.275	631
Silver	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Timet, Henderson	NV	2.5	4000	10.	2341
Silver	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknowr	0.034	4000	0.136	2341
Silver	Titanium and Titanium Dioxide	Scrap milling scrubber water	SCM, Baltimore	MD	0.5	42	0.02083	340
Silver	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.5	99167	49.58333	43384
Silver	Zinc	Process wastewater	Zinc Corp, Monaca	PA	1	99167	49.58333	43384
Silver	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Silver	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Silver	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Silver	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Silver	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Silver	Zinc	Process wastewater	Unknown	Unknowr	0.01	99167	0.99167	43384
Silver	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.0025	99167	0.24792	43384
Silver	Zinc	Process wastewater	Unknown	Unknowr	0.0015	99167	0.14875	43384
Silver	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	185.2	10500	1944.6	5319
Silver	Zinc	WWTP liquid effluent	Zinc Corp of America	OK	58.286	7250	422.5735	3850
Thallium	28 Beryllium	Chip treatment wastewater	One Unnamed Facility	Unknowr	0.002	417	0.00083	558
Thallium	Copper	Acid plant blowdown	Unknown	Unknowr	2.5	22083	55.20833	10441
Thallium	Copper	Acid plant blowdown	Unknown	Unknowr	0.25	22083	5.52083	10441
Thallium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	4.5	17500	78.75	8429
Thallium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	4.5	17500	78.75	8429
Thallium	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	2.5	17500	43.75	8429
Thallium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.25	17500	4.375	8429
Thallium	Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.25	17500	4.375	8429
Thallium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.0455	17500	0.79625	8429
Thallium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknowr	0.045	17500	0.7875	8429
Thallium	Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	0.04	17500	0.7	8429
Thallium	Rare Earths	Process wastewater	Molycorp, Louviers	CO	2.5	117	0.29167	385
Thallium	Rare Earths	Process wastewater	Molycorp, Louviers	CO	2.5	117	0.29167	385
Thallium	Selenium	Plant process wastewaters	AMAX, Fort Madison	IA	2.5	550	1.375	631
Thallium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Timet, Henderson	NV	12.5	4000	50.	2341
Thallium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknowr	2.4	4000	9.6	2341
Thallium	Titanium and Titanium Dioxide	Scrap milling scrubber water	SCM, Baltimore	MD	2.5	42	0.10417	340
Thallium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	3.59	99167	356.00833	43384
Thallium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	2.5	99167	247.91667	43384
Thallium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	3	99167	247.91667	43384
Thallium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.25	99167	24.79167	43384

Thallium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.25	99167	24.79167	43384	
Thallium	Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.25	99167	24.79167	43384	
Thallium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.25	99167	24.79167	43384	
Thallium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.25	99167	24.79167	43384	
Thallium	Zinc	Process wastewater	Unknown	Unknown	0.17	99167	16.85833	43384	
Thallium	Zinc	Process wastewater	Unknown	Unknown	0.05	99167	4.95833	43384	
Thallium	Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.024	99167	2.38	43384	
Vanadium	27	Copper	Acid plant blowdown	Unknown	Unknown	2.72	22083	60.06667	10441
Vanadium		Copper	Acid plant blowdown	Unknown	Unknown	0.05	22083	1.10417	10441
Vanadium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	710	17500	12425.	8429
Vanadium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	35	17500	612.5	8429
Vanadium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	1.5	17500	26.25	8429
Vanadium		Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	1.27	17500	22.225	8429
Vanadium		Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	0.8	17500	14.	8429
Vanadium		Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Silver Bow	MT	0.53	17500	9.275	8429
Vanadium		Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429
Vanadium		Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	0.05	17500	0.875	8429
Vanadium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	0.015	17500	0.2625	8429
Vanadium		Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385
Vanadium		Rare Earths	Process wastewater	Molycorp, Louviers	CO	0.5	117	0.05833	385
Vanadium		Selenium	Plant process wastewaters	AMAX, Fort Madison	IA	0.5	550	0.275	631
Vanadium		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Timet, Henderson	NV	2.5	4000	10.	2341
Vanadium		Titanium and Titanium Dioxide	Scrap milling scrubber water	SCM, Baltimore	MD	1.51	42	0.06292	340
Vanadium		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.5	99167	49.58333	43384
Vanadium		Zinc	Process wastewater	Zinc Corp, Monaca	PA	1	99167	49.58333	43384
Vanadium		Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Vanadium		Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Vanadium		Zinc	Process wastewater	Zinc Corp, Monaca	PA	0.05	99167	4.95833	43384
Vanadium		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Vanadium		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Vanadium		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.05	99167	4.95833	43384
Vanadium		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	0.03	99167	2.975	43384
Vanadium		Zinc	Process wastewater	Unknown	Unknown	0.005	99167	0.49583	43384
Vanadium		Zinc	Process wastewater	Unknown	Unknown	0.005	99167	0.49583	43384
Zinc	82	Beryllium	Chip treatment wastewater	One Unnamed Facility	Unknown	7.2	417	3.	558
Zinc		Copper	Acid plant blowdown	Unknown	Unknown	10000	22083	220833.33333	10441
Zinc		Copper	Acid plant blowdown	Unknown	Unknown	9200	22083	203166.66667	10441
Zinc		Copper	Acid plant blowdown	Unknown	Unknown	2030	22083	44829.16667	10441
Zinc		Copper	Acid plant blowdown	Unknown	Unknown	856	22083	18903.33333	10441
Zinc		Copper	Acid plant blowdown	Unknown	Unknown	115	22083	2539.58333	10441
Zinc		Copper	Acid plant blowdown	Unknown	Unknown	100	22083	2208.33333	10441
Zinc		Copper	Acid plant blowdown	Unknown	Unknown	91.13	22083	2012.45417	10441
Zinc		Copper	Acid plant blowdown	Unknown	Unknown	73.2	22083	1616.5	10441
Zinc		Copper	Acid plant blowdown	Unknown	Unknown	51	22083	1126.25	10441
Zinc		Copper	Acid plant blowdown	Unknown	Unknown	48.2	22083	1064.41667	10441
Zinc		Copper	Acid plant blowdown	Unknown	Unknown	7.79	22083	172.02917	10441
Zinc		Copper	Acid plant blowdown	Unknown	Unknown	5.7	22083	125.875	10441
Zinc		Copper	Acid plant blowdown	Unknown	Unknown	5.1	22083	112.625	10441
Zinc		Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	211	17500	3692.5	8429
Zinc		Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	196	17500	3430.	8429
Zinc		Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	160	17500	2800.	8429
Zinc		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	130	17500	2275.	8429
Zinc		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	77	17500	1347.5	8429
Zinc		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	69	17500	1207.5	8429
Zinc		Elemental Phosphorus	Furnace scrubber blowdown	FMC, Pocatello	ID	50	17500	875.	8429
Zinc		Elemental Phosphorus	Furnace scrubber blowdown	Monsanto, Soda Springs	ID	47	17500	822.5	8429
Zinc		Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	3.94	17500	68.95	8429
Zinc		Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Silver Bow	MT	3.94	17500	68.95	8429
Zinc		Elemental Phosphorus	Furnace scrubber blowdown	Stauffer, Mt. Pleasant	TN	1.38	17500	24.15	8429
Zinc		Elemental Phosphorus	Furnace scrubber blowdown	Unknown American Plant	Unknown	0.023	17500	0.4025	8429
Zinc		Rare Earths	Process wastewater	Molycorp, Louviers	CO	14.2	117	1.65667	385
Zinc		Rare Earths	Process wastewater	Molycorp, Louviers	CO	1.98	117	0.231	385
Zinc		Selenium	Plant process wastewaters	AMAX, Fort Madison	IA	0.5	550	0.275	631
Zinc		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Timet, Henderson	NV	2.5	4000	10.	2341
Zinc		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknown	0.54	4000	2.16	2341
Zinc		Titanium and Titanium Dioxide	Scrap milling scrubber water	SCM, Baltimore	MD	0.5	42	0.02083	340
Zinc		Zinc	Process wastewater	Unknown	Unknown	60000	99167	595000.	43384
Zinc		Zinc	Process wastewater	Unknown	Unknown	25000	99167	#####	43384
Zinc		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	20100	99167	1993250.	43384
Zinc		Zinc	Process wastewater	Unknown	Unknown	11000	99167	#####	43384
Zinc		Zinc	Process wastewater	Zinc Corp, Monaca	PA	10,200	99167	1011500.	43384
Zinc		Zinc	Process wastewater	Jersey Miniere, Clarksville	TN	6000	99167	595000.	43384
Zinc		Zinc	Process wastewater	Unknown	Unknown	4900	99167	485916.66667	43384
Zinc		Zinc	Process wastewater	Jersey Miniere, Clarksville	TN	2840	99167	281633.33333	43384
Zinc		Zinc	Process wastewater	Unknown	Unknown	2430	99167	240975.	43384
Zinc		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	1600	99167	158666.66667	43384
Zinc		Zinc	Process wastewater	Unknown	Unknown	1130	99167	112058.33333	43384
Zinc		Zinc	Process wastewater	Unknown	Unknown	640	99167	63466.66667	43384
Zinc		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	410	99167	40658.33333	43384
Zinc		Zinc	Process wastewater	Unknown	Unknown	144.2	99167	14299.83333	43384
Zinc		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	91.8	99167	9103.5	43384
Zinc		Zinc	Process wastewater	Unknown	Unknown	87	99167	8627.5	43384
Zinc		Zinc	Process wastewater	Unknown	Unknown	50	99167	4958.33333	43384
Zinc		Zinc	Process wastewater	Unknown	Unknown	50	99167	4958.33333	43384
Zinc		Zinc	Process wastewater	Unknown	Unknown	50	99167	4958.33333	43384
Zinc		Zinc	Process wastewater	Zinc Corp, Monaca	PA	31.9	99167	3163.41667	43384
Zinc		Zinc	Process wastewater	Big River Zinc	IL	20	99167	1983.33333	43384
Zinc		Zinc	Process wastewater	Zinc Corp, Monaca	PA	14.4	99167	1428.	43384
Zinc		Zinc	Process wastewater	Zinc Corp, Monaca	PA	10.9	99167	1080.91667	43384
Zinc		Zinc	Process wastewater	Zinc Corp, Bartlesville	OK	6.37	99167	631.69167	43384

Zinc	Zinc	Process wastewater	Unknown	Unknown	3	99167	297.5	43384
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	800000	10500	8400000.	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	650000	10500	6825000.	5319
Zinc	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	589000	10500	6184500.	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	500000	10500	5250000.	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	300000	10500	3150000.	5319
Zinc	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	52000	10500	546000.	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	10000	10500	105000.	5319
Zinc	Zinc	Spent surface impoundment liquid	Jersey Miniere	TN	6100	10500	64050.	5319
Zinc	Zinc	Spent surface impoundment liquid	Jersey Miniere	TN	3400	10500	35700.	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America	OK	2430	10500	25515.	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America	OK	1400	10500	14700.	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America	OK	1400	10500	14700.	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America	OK	1130	10500	11865.	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America	OK	890	10500	9345.	5319
Zinc	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	712	10500	7476.	5319
Zinc	Zinc	Spent surface impoundment liquid	Big River Zinc	IL	200	10500	2100.	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	50	10500	525.	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	50	10500	525.	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America	OK	19.3	10500	202.65	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America	OK	19.3	10500	202.65	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	10	10500	105.	5319
Zinc	Zinc	Spent surface impoundment liquid	Zinc Corp of America, Mo	PA	0.8	10500	8.4	5319
Zinc	Zinc	WWTP liquid effluent	Zinc Corp of America	OK	450000	7250	3262500.	3850
Zinc	Zinc	WWTP liquid effluent	Jersey Miniere	TN	2000	7250	14500.	3850
Zinc	Zinc	WWTP liquid effluent	Zinc Corp of America	OK	20	7250	145.	3850

EP Analysis Samples. Nonwastewaters.

Constituents	Number of Detections	Commodity	Waste Stream	Facility Identifier	State	Constituent Concentration in Leachate (mg/l)	Volume of Waste Pile (m ³) (1)	Leachable Constituent Mass per Waste Pile (kg) (5)	Area of Waste Pile (m ²)
Antimony	1	Alumina and Aluminum	Cast house dust	Facilities Surveyed	Unknowr	0.42	107	1.21984	108
Arsenic	3	Alumina and Aluminum	Cast house dust	Facilities Surveyed	Unknowr	0.001	107	0.0029	108
Arsenic		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.65	1671	29.56881	676
Arsenic		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.1	1671	4.54905	676
Barium	3	Alumina and Aluminum	Cast house dust	Facilities Surveyed	Unknowr	0.28	107	0.81323	108
Barium		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	149	1671	6778.08037	676
Barium		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	14.9	1671	677.80804	676
Cadmium	3	Alumina and Aluminum	Cast house dust	Facilities Surveyed	Unknowr	3.5	107	10.16537	108
Cadmium		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.027	1671	1.22824	676
Cadmium		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.01	1671	0.4549	676
Chromium	3	Alumina and Aluminum	Cast house dust	Facilities Surveyed	Unknowr	0.086	107	0.24978	108
Chromium		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.054	1671	2.45649	676
Chromium		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.023	1671	1.04628	676
Lead	3	Alumina and Aluminum	Cast house dust	Facilities Surveyed	Unknowr	0.024	107	0.06971	108
Lead		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	3.64	1671	165.58532	676
Lead		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.043	1671	1.95609	676
Mercury	3	Alumina and Aluminum	Cast house dust	Facilities Surveyed	Unknowr	0.84	107	2.43969	108
Mercury		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.001	1671	0.04549	676
Mercury		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.0008	1671	0.03639	676
Nickel	1	Alumina and Aluminum	Cast house dust	Facilities Surveyed	Unknowr	0.74	107	2.14925	108
Selenium	3	Alumina and Aluminum	Cast house dust	Facilities Surveyed	Unknowr	0.001	107	0.0029	108
Selenium		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.016	1671	0.72785	676
Selenium		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.013	1671	0.59138	676
Silver	3	Alumina and Aluminum	Cast house dust	Facilities Surveyed	Unknowr	0.15	107	0.43566	108
Silver		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.14	1671	6.36867	676
Silver		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.05	1671	2.27452	676
Zinc	3	Alumina and Aluminum	Cast house dust	Facilities Surveyed	Unknowr	0.58	107	1.68455	108
Zinc		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.69	1671	31.38843	676
Zinc		Magnesium and Magnesia from Brines	Smut	Unknown American Plant	Unknowr	0.02	1671	0.90981	676

EP Analysis Samples. Wastewaters and Liquid Nonwastewaters.

Constituents	Number of Detections	Commodity	Waste Stream	Facility Identifier	State	Constituent Concentration in Leachate (mg/l)	Volume of Surface Impoundment (m ³) (3)	Leachable Constituent Mass in Surface Impoundment (kg) (6)	Area of Surface Impoundment (m ²)
Antimony	25	Copper	Acid plant blowdown	Cyprus, Clay Pool	AZ	5	22083	215.3125	10441
Antimony		Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.168	22083	7.2345	10441
Antimony		Elemental Phosphorus	AFM rinsate	Unknown	Unknowr	0.2	167	0.065	415
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknowr	1.6	17500	54.6	8429
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknowr	1.17	17500	39.92625	8429
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknowr	0.47	17500	16.03875	8429
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknowr	0.16	17500	5.46	8429
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknowr	0.16	17500	5.46	8429
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknowr	0.05	17500	1.70625	8429
Antimony		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknowr	0.05	17500	1.70625	8429
Antimony		Rare Earths	Process wastewater	Unknown	Unknowr	0.5	117	0.11375	385
Antimony		Rare Earths	Process wastewater	Unknown	Unknowr	0.5	117	0.11375	385
Antimony		Rare Earths	Process wastewater	Unknown	Unknowr	0.5	117	0.11375	385

Antimony	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385	
Antimony	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385	
Antimony	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385	
Antimony	Selenium	Plant process wastewaters	Unknown	Unknown	0.5	550	0.53625	631	
Antimony	Selenium	Plant process wastewaters	Unknown	Unknown	0.5	550	0.53625	631	
Antimony	Selenium	Plant process wastewaters	Zinc Corp of America, Mo	PA	0.5	550	0.53625	631	
Antimony	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.224	4375	1.911	2517	
Antimony	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Antimony	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Antimony	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Antimony	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Antimony	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
49	Arsenic	Copper	Acid plant blowdown	Magma, San Manuel	AZ	12800	22083	551200.	10441
	Arsenic	Copper	Acid plant blowdown	CBI	CBI	193	22083	8311.0625	10441
	Arsenic	Copper	Acid plant blowdown	CBI	CBI	126	22083	5425.875	10441
	Arsenic	Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	32.8	22083	1412.45	10441
	Arsenic	Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	31.1	22083	1339.24375	10441
	Arsenic	Copper	Acid plant blowdown	Magma, San Manuel	AZ	29.9	22083	1287.56875	10441
	Arsenic	Copper	Acid plant blowdown	CBI	CBI	21.6	22083	930.15	10441
	Arsenic	Copper	Acid plant blowdown	CBI	CBI	14.1	22083	607.18125	10441
	Arsenic	Copper	Acid plant blowdown	Magma, San Manuel	AZ	11.2	22083	482.3	10441
	Arsenic	Copper	Acid plant blowdown	Cyprus, Clay Pool	AZ	5	22083	215.3125	10441
	Arsenic	Copper	Acid plant blowdown	CBI	CBI	0.19	22083	8.18188	10441
	Arsenic	Copper	Acid plant blowdown	CBI	CBI	0.18	22083	7.75125	10441
	Arsenic	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.05	22083	2.15313	10441
	Arsenic	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.05	22083	2.15313	10441
	Arsenic	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.04	22083	1.7225	10441
	Arsenic	Elemental Phosphorus	AFM rinsate	Unknown	Unknown	0.14	167	0.0455	415
	Arsenic	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.543	17500	18.52988	8429
	Arsenic	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.15	17500	5.11875	8429
	Arsenic	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.0619	17500	2.11234	8429
	Arsenic	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.05	17500	1.70625	8429
	Arsenic	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.05	17500	1.70625	8429
	Arsenic	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.00125	17500	0.04266	8429
	Arsenic	Rare Earths	Process wastewater	Unknown	Unknown	4.97	117	1.13068	385
	Arsenic	Rare Earths	Process wastewater	Unknown	Unknown	1.1	117	0.25025	385
	Arsenic	Rare Earths	Process wastewater	Unknown	Unknown	0.945	117	0.21499	385
	Arsenic	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385
	Arsenic	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385
	Arsenic	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385
	Arsenic	Selenium	Plant process wastewaters	Unknown	Unknown	0.5	550	0.53625	631
	Arsenic	Selenium	Plant process wastewaters	Unknown	Unknown	0.5	550	0.53625	631
	Arsenic	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.5	4375	4.26563	2517
	Arsenic	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Zinc Corp of America, Mo	PA	0.5	4375	4.26563	2517
	Arsenic	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.15	4375	1.27969	2517
	Arsenic	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.132	4375	1.12613	2517
	Arsenic	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
	Arsenic	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
	Arsenic	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
	Arsenic	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
	Arsenic	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
	Arsenic	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
	Arsenic	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
	Arsenic	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	AMAX, East St. Louis	IL	0.05	4375	0.42656	2517
	Arsenic	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unnamed Plant	Unknown	0.027	4375	0.23034	2517
	Arsenic	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unknown	Unknown	0.01	4000	0.078	2341
	Arsenic	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unknown	Unknown	0.01	4000	0.078	2341
	Arsenic	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknown	0.005	4000	0.039	2341
	Arsenic	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknown	0.003	4000	0.0234	2341
	Arsenic	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unknown	Unknown	0.002	4000	0.0156	2341
	Arsenic	Titanium and Titanium Dioxide	Scrap milling scrubber water	Unknown	Unknown	0.02	42	0.00163	340
	Arsenic	Titanium and Titanium Dioxide	Scrap milling scrubber water	Unknown	Unknown	0.0125	42	0.00102	340
51	Barium	Copper	Acid plant blowdown	CBI	CBI	10.9	22083	469.38125	10441
	Barium	Copper	Acid plant blowdown	CBI	CBI	9.6	22083	413.4	10441
	Barium	Copper	Acid plant blowdown	Cyprus, Clay Pool	AZ	5	22083	215.3125	10441
	Barium	Copper	Acid plant blowdown	Magma, San Manuel	AZ	5	22083	215.3125	10441
	Barium	Copper	Acid plant blowdown	Magma, San Manuel	AZ	5	22083	215.3125	10441
	Barium	Copper	Acid plant blowdown	CBI	CBI	0.8	22083	34.45	10441
	Barium	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.4	22083	17.225	10441
	Barium	Copper	Acid plant blowdown	CBI	CBI	0.4	22083	17.225	10441
	Barium	Copper	Acid plant blowdown	CBI	CBI	0.3	22083	12.91875	10441
	Barium	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.2	22083	8.6125	10441
	Barium	Copper	Acid plant blowdown	CBI	CBI	0.2	22083	8.6125	10441
	Barium	Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.136	22083	5.8565	10441
	Barium	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.1	22083	4.30625	10441
	Barium	Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.05	22083	2.15313	10441
	Barium	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.05	22083	2.15313	10441
	Barium	Elemental Phosphorus	AFM rinsate	Unknown	Unknown	1	167	0.325	415
	Barium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	1.2	17500	40.95	8429
	Barium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	1	17500	34.125	8429
	Barium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.81	17500	27.64125	8429
	Barium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.25	17500	8.53125	8429
	Barium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.2	17500	6.825	8429
	Barium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.05	17500	1.70625	8429
	Barium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.05	17500	1.70625	8429
	Barium	Rare Earths	Process wastewater	Unknown	Unknown	10	117	2.275	385
	Barium	Rare Earths	Process wastewater	Unnamed Plant	Unknown	6	117	1.365	385
	Barium	Rare Earths	Process wastewater	Unknown	Unknown	5	117	1.1375	385
	Barium	Rare Earths	Process wastewater	Unnamed Plant	Unknown	3.7	117	0.84175	385
	Barium	Rare Earths	Process wastewater	Unknown	Unknown	1.2	117	0.273	385
	Barium	Rare Earths	Process wastewater	Unknown	Unknown	1	117	0.2275	385

Barium	Selenium	Plant process wastewaters	Unknown	Unknown	0.965	550	1.03496	631	
Barium	Selenium	Plant process wastewaters	Unknown	Unknown	0.93	550	0.99743	631	
Barium	Selenium	Plant process wastewaters	Unknown	Unknown	0.93	550	0.99743	631	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unnamed Plant	Unknown	0.8	4375	6.825	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.5	4375	4.26563	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.5	4375	4.26563	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.5	4375	4.26563	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.5	4375	4.26563	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.5	4375	4.26563	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.5	4375	4.26563	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.5	4375	4.26563	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	AMAX, East St. Louis	IL	0.5	4375	4.26563	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Zinc Corp of America, Mo	PA	0.5	4375	4.26563	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.218	4375	1.85981	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.083	4375	0.70809	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.056	4375	0.47775	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Barium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.006	4375	0.05119	2517	
Beryllium	23	Copper	Acid plant blowdown	Cyprus, Clay Pool	AZ	0.5	22083	21.53125	10441
Beryllium		Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.005	22083	0.21531	10441
Beryllium		Elemental Phosphorus	AFM rinsate	Unknown	Unknown	0.01	167	0.00325	415
Beryllium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.025	17500	0.85313	8429
Beryllium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.011	17500	0.37538	8429
Beryllium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.005	17500	0.17063	8429
Beryllium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.005	17500	0.17063	8429
Beryllium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.0025	17500	0.08531	8429
Beryllium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.0025	17500	0.08531	8429
Beryllium		Rare Earths	Process wastewater	Unknown	Unknown	0.05	117	0.01138	385
Beryllium		Rare Earths	Process wastewater	Unknown	Unknown	0.05	117	0.01138	385
Beryllium		Rare Earths	Process wastewater	Unknown	Unknown	0.05	117	0.01138	385
Beryllium		Rare Earths	Process wastewater	Unknown	Unknown	0.05	117	0.01138	385
Beryllium		Rare Earths	Process wastewater	Zinc Corp of America, Mo	PA	0.05	117	0.01138	385
Beryllium		Rare Earths	Process wastewater	Unknown	Unknown	0.025	117	0.00569	385
Beryllium		Selenium	Plant process wastewaters	Unknown	Unknown	0.025	550	0.02681	631
Beryllium		Selenium	Plant process wastewaters	Unknown	Unknown	0.005	550	0.00536	631
Beryllium		Selenium	Plant process wastewaters	Unknown	Unknown	0.005	550	0.00536	631
Beryllium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.005	4375	0.04266	2517
Beryllium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.005	4375	0.04266	2517
Beryllium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.005	4375	0.04266	2517
Beryllium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.005	4375	0.04266	2517
Beryllium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.005	4375	0.04266	2517
Cadmium	49	Copper	Acid plant blowdown	CBI	CBI	24.5	22083	1055.03125	10441
Cadmium		Copper	Acid plant blowdown	CBI	CBI	19.9	22083	856.94375	10441
Cadmium		Copper	Acid plant blowdown	Magma, San Manuel	AZ	6	22083	258.375	10441
Cadmium		Copper	Acid plant blowdown	Magma, San Manuel	AZ	4.5	22083	193.78125	10441
Cadmium		Copper	Acid plant blowdown	Magma, San Manuel	AZ	2.24	22083	96.46	10441
Cadmium		Copper	Acid plant blowdown	CBI	CBI	1.49	22083	64.16313	10441
Cadmium		Copper	Acid plant blowdown	CBI	CBI	1.46	22083	62.87125	10441
Cadmium		Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	1.24	22083	53.3975	10441
Cadmium		Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	1.08	22083	46.5075	10441
Cadmium		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.52	22083	22.3925	10441
Cadmium		Copper	Acid plant blowdown	Cyprus, Clay Pool	AZ	0.5	22083	21.53125	10441
Cadmium		Copper	Acid plant blowdown	CBI	CBI	0.31	22083	13.34938	10441
Cadmium		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.23	22083	9.90438	10441
Cadmium		Copper	Acid plant blowdown	CBI	CBI	0.16	22083	6.89	10441
Cadmium		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.05	22083	2.15313	10441
Cadmium		Elemental Phosphorus	AFM rinsate	Unknown	Unknown	4.12	167	1.339	415
Cadmium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	2.07	17500	70.63875	8429
Cadmium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	1.42	17500	48.4575	8429
Cadmium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.3	17500	10.2375	8429
Cadmium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.0194	17500	0.66203	8429
Cadmium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.01	17500	0.34125	8429
Cadmium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.01	17500	0.34125	8429
Cadmium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.005	17500	0.17063	8429
Cadmium		Rare Earths	Process wastewater	Unknown	Unknown	35.4	117	8.0535	385
Cadmium		Rare Earths	Process wastewater	Unknown	Unknown	16	117	3.64	385
Cadmium		Rare Earths	Process wastewater	Unnamed Plant	Unknown	11.1	117	2.52525	385
Cadmium		Rare Earths	Process wastewater	Unknown	Unknown	2.78	117	0.63245	385
Cadmium		Selenium	Plant process wastewaters	Unnamed Plant	Unknown	0.52	550	0.5577	631
Cadmium		Selenium	Plant process wastewaters	Unknown	Unknown	0.5	550	0.53625	631
Cadmium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.23	4375	1.96219	2517
Cadmium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.198	4375	1.68919	2517
Cadmium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unnamed Plant	Unknown	0.18	4375	1.53563	2517
Cadmium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	AMAX, East St. Louis	IL	0.07	4375	0.59719	2517
Cadmium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Cadmium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Cadmium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Cadmium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Cadmium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Cadmium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Cadmium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Zinc Corp of America, Mo	PA	0.05	4375	0.42656	2517
Cadmium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0499	4375	0.42571	2517
Cadmium		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0432	4375	0.36855	2517
Cadmium		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unknown	Unknown	0.025	4000	0.195	2341
Cadmium		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unknown	Unknown	0.023	4000	0.1794	2341
Cadmium		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unknown	Unknown	0.018	4000	0.1404	2341
Cadmium		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unknown	Unknown	0.007	4000	0.0546	2341

Cadmium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unknown	Unknown	0.005	4000	0.039	2341
Cadmium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unknown	Unknown	0.003	4000	0.0234	2341
Cadmium	Titanium and Titanium Dioxide	Scrap milling scrubber water	Unknown	Unknown	0.03	42	0.00244	340
Cadmium	Titanium and Titanium Dioxide	Scrap milling scrubber water	Unknown	Unknown	0.025	42	0.00203	340
Chromium	Copper	Acid plant blowdown	Cyprus, Clay Pool	AZ	5	22083	215.3125	10441
Chromium	Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.254	22083	10.93788	10441
Chromium	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.25	22083	10.76563	10441
Chromium	Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.241	22083	10.37806	10441
Chromium	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.171	22083	7.36369	10441
Chromium	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.1	22083	4.30625	10441
Chromium	Copper	Acid plant blowdown	CBI	CBI	0.029	22083	1.24881	10441
Chromium	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.029	22083	1.24881	10441
Chromium	Copper	Acid plant blowdown	CBI	CBI	0.024	22083	1.0335	10441
Chromium	Copper	Acid plant blowdown	CBI	CBI	0.008	22083	0.3445	10441
Chromium	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.005	22083	0.21531	10441
Chromium	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.005	22083	0.21531	10441
Chromium	Copper	Acid plant blowdown	CBI	CBI	0.005	22083	0.21531	10441
Chromium	Copper	Acid plant blowdown	CBI	CBI	0.005	22083	0.21531	10441
Chromium	Copper	Acid plant blowdown	CBI	CBI	0.003	22083	0.12919	10441
Chromium	Elemental Phosphorus	AFM rinsate	Unknown	Unknown	0.278	167	0.09035	415
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.9	17500	30.7125	8429
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.841	17500	28.69913	8429
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.5	17500	17.0625	8429
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.22	17500	7.5075	8429
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.05	17500	1.70625	8429
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.05	17500	1.70625	8429
Chromium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.005	17500	0.17063	8429
Chromium	Rare Earths	Process wastewater	Unknown	Unknown	6.45	117	1.46738	385
Chromium	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385
Chromium	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385
Chromium	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385
Chromium	Selenium	Plant process wastewaters	Unknown	Unknown	0.5	550	0.53625	631
Chromium	Selenium	Plant process wastewaters	Unknown	Unknown	0.5	550	0.53625	631
Chromium	Selenium	Plant process wastewaters	Unknown	Unknown	0.5	550	0.53625	631
Chromium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Zinc Corp of America, Mo	PA	0.5	4375	4.26563	2517
Chromium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.111	4375	0.94697	2517
Chromium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.08	4375	0.6825	2517
Chromium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.08	4375	0.6825	2517
Chromium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.079	4375	0.67397	2517
Chromium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Chromium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Chromium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Chromium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Chromium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Chromium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.039	4375	0.33272	2517
Chromium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.03	4375	0.25594	2517
Chromium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknown	0.012	4000	0.0936	2341
Chromium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unknown	Unknown	0.005	4000	0.039	2341
Chromium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknown	0.001	4000	0.0078	2341
Chromium	Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unnamed Plant	Unknown	0.001	4000	0.0078	2341
Chromium	Titanium and Titanium Dioxide	Scrap milling scrubber water	Unknown	Unknown	0.027	42	0.00219	340
Chromium	Titanium and Titanium Dioxide	Scrap milling scrubber water	AMAX, East St. Louis	IL	0.025	42	0.00203	340
Lead	Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	6.74	22083	290.24125	10441
Lead	Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	6.47	22083	278.61438	10441
Lead	Copper	Acid plant blowdown	Magma, San Manuel	AZ	5.71	22083	245.88688	10441
Lead	Copper	Acid plant blowdown	Magma, San Manuel	AZ	3.8	22083	163.6375	10441
Lead	Copper	Acid plant blowdown	Magma, San Manuel	AZ	3.73	22083	160.62313	10441
Lead	Copper	Acid plant blowdown	CBI	CBI	2.89	22083	124.45063	10441
Lead	Copper	Acid plant blowdown	CBI	CBI	2.55	22083	109.80938	10441
Lead	Copper	Acid plant blowdown	Cyprus, Clay Pool	AZ	2.5	22083	107.65625	10441
Lead	Copper	Acid plant blowdown	Magma, San Manuel	AZ	2.5	22083	107.65625	10441
Lead	Copper	Acid plant blowdown	CBI	CBI	2.49	22083	107.22563	10441
Lead	Copper	Acid plant blowdown	CBI	CBI	1.74	22083	74.92875	10441
Lead	Copper	Acid plant blowdown	CBI	CBI	0.896	22083	38.584	10441
Lead	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.25	22083	10.76563	10441
Lead	Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.2	22083	8.6125	10441
Lead	Copper	Acid plant blowdown	CBI	CBI	0.042	22083	1.80863	10441
Lead	Elemental Phosphorus	AFM rinsate	Unknown	Unknown	0.19	167	0.06175	415
Lead	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.42	17500	14.3325	8429
Lead	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.42	17500	14.3325	8429
Lead	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.357	17500	12.18263	8429
Lead	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.217	17500	7.40513	8429
Lead	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.125	17500	4.26563	8429
Lead	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.11	17500	3.75375	8429
Lead	Rare Earths	Process wastewater	Unknown	Unknown	2.5	117	0.56875	385
Lead	Rare Earths	Process wastewater	Unnamed Plant	Unknown	2.36	117	0.5369	385
Lead	Rare Earths	Process wastewater	Unknown	Unknown	1.99	117	0.45273	385
Lead	Rare Earths	Process wastewater	Unknown	Unknown	1	117	0.2275	385
Lead	Selenium	Plant process wastewaters	AMAX, East St. Louis	IL	1	550	1.0725	631
Lead	Selenium	Plant process wastewaters	Unknown	Unknown	0.628	550	0.67353	631
Lead	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.562	4375	4.79456	2517
Lead	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.25	4375	2.13281	2517
Lead	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.25	4375	2.13281	2517
Lead	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.25	4375	2.13281	2517
Lead	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.25	4375	2.13281	2517
Lead	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.221	4375	1.88541	2517
Lead	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.141	4375	1.20291	2517
Lead	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.1	4375	0.85313	2517
Lead	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.098	4375	0.83606	2517
Lead	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.025	4375	0.21328	2517

Lead		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.025	4375	0.21328	2517
Lead		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.02	4375	0.17063	2517
Lead		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unknown	Unknown	0.01	4000	0.078	2341
Lead		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Unknown	Unknown	0.005	4000	0.039	2341
Lead		Titanium and Titanium Dioxide	Scrap milling scrubber water	Unknown	Unknown	0.016	42	0.0013	340
Lead		Titanium and Titanium Dioxide	Scrap milling scrubber water	Unknown	Unknown	0.01	42	0.00081	340
Mercury	47	Copper	Acid plant blowdown	CBI	CBI	0.31	22083	13.34938	10441
Mercury		Copper	Acid plant blowdown	CBI	CBI	0.26	22083	11.19625	10441
Mercury		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.0223	22083	0.96029	10441
Mercury		Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.0115	22083	0.49522	10441
Mercury		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.01	22083	0.43063	10441
Mercury		Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.007	22083	0.30144	10441
Mercury		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.005	22083	0.21531	10441
Mercury		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.005	22083	0.21531	10441
Mercury		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.005	22083	0.21531	10441
Mercury		Copper	Acid plant blowdown	CBI	CBI	0.0013	22083	0.05598	10441
Mercury		Copper	Acid plant blowdown	CBI	CBI	0.0013	22083	0.05598	10441
Mercury		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.0004	22083	0.01723	10441
Mercury		Copper	Acid plant blowdown	CBI	CBI	0.0003	22083	0.01292	10441
Mercury		Copper	Acid plant blowdown	CBI	CBI	0.0003	22083	0.01292	10441
Mercury		Copper	Acid plant blowdown	Cyprus, Clay Pool	AZ	0.0001	22083	0.00431	10441
Mercury		Elemental Phosphorus	AFM rinsate	Unknown	Unknown	0.0005	167	0.00016	415
Mercury		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.0005	17500	0.01706	8429
Mercury		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.00015	17500	0.00512	8429
Mercury		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.00015	17500	0.00512	8429
Mercury		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.0001	17500	0.00341	8429
Mercury		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.0001	17500	0.00341	8429
Mercury		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.0001	17500	0.00341	8429
Mercury		Rare Earths	Process wastewater	Unknown	Unknown	0.0065	117	0.00148	385
Mercury		Rare Earths	Process wastewater	Unnamed Plant	Unknown	0.0029	117	0.00066	385
Mercury		Rare Earths	Process wastewater	Unknown	Unknown	0.0024	117	0.00055	385
Mercury		Rare Earths	Process wastewater	Unknown	Unknown	0.0024	117	0.00055	385
Mercury		Rare Earths	Process wastewater	Unnamed Plant	Unknown	0.0023	117	0.00052	385
Mercury		Rare Earths	Process wastewater	Unknown	Unknown	0.0011	117	0.00025	385
Mercury		Selenium	Plant process wastewaters	Unknown	Unknown	0.001	550	0.00107	631
Mercury		Selenium	Plant process wastewaters	Unknown	Unknown	0.001	550	0.00107	631
Mercury		Selenium	Plant process wastewaters	Unknown	Unknown	0.00088	550	0.00094	631
Mercury		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.00028	4375	0.00239	2517
Mercury		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0001	4375	0.00085	2517
Mercury		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0001	4375	0.00085	2517
Mercury		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0001	4375	0.00085	2517
Mercury		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0001	4375	0.00085	2517
Mercury		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0001	4375	0.00085	2517
Mercury		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0001	4375	0.00085	2517
Mercury		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0001	4375	0.00085	2517
Mercury		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0001	4375	0.00085	2517
Mercury		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0001	4375	0.00085	2517
Mercury		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0001	4375	0.00085	2517
Mercury		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0001	4375	0.00085	2517
Mercury		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	Zinc Corp of America, Mo	PA	0.0001	4000	0.00078	2341
Mercury		Titanium and Titanium Dioxide	Leach liquid & sponge wash water	AMAX, East St. Louis	IL	0.00005	4000	0.00039	2341
Mercury		Titanium and Titanium Dioxide	Scrap milling scrubber water	Unknown	Unknown	0.0001	42	0.00001	340
Mercury		Titanium and Titanium Dioxide	Scrap milling scrubber water	Unknown	Unknown	0.0001	42	0.00001	340
Nickel	22	Copper	Acid plant blowdown	Cyprus, Clay Pool	AZ	5	22083	215.3125	10441
Nickel		Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.466	22083	20.06713	10441
Nickel		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.02	22083	0.86125	10441
Nickel		Elemental Phosphorus	AFM rinsate	Unknown	Unknown	0.08	167	0.026	415
Nickel		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.25	17500	8.53125	8429
Nickel		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.165	17500	5.63063	8429
Nickel		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.05	17500	1.70625	8429
Nickel		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.05	17500	1.70625	8429
Nickel		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.03	17500	1.02375	8429
Nickel		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.015	17500	0.51188	8429
Nickel		Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385
Nickel		Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385
Nickel		Rare Earths	Process wastewater	Unknown	Unknown	0.17	117	0.03868	385
Nickel		Rare Earths	Process wastewater	Unknown	Unknown	0.17	117	0.03868	385
Nickel		Selenium	Plant process wastewaters	Unknown	Unknown	0.05	550	0.05363	631
Nickel		Selenium	Plant process wastewaters	Unknown	Unknown	0.05	550	0.05363	631
Nickel		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Nickel		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Nickel		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Nickel		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Nickel		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.031	4375	0.26447	2517
Nickel		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.004	4375	0.03413	2517
Selenium	47	Copper	Acid plant blowdown	Magma, San Manuel	AZ	7.63	22083	328.56688	10441
Selenium		Copper	Acid plant blowdown	Cyprus, Clay Pool	AZ	5	22083	215.3125	10441
Selenium		Copper	Acid plant blowdown	Magma, San Manuel	AZ	2.9	22083	124.88125	10441
Selenium		Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.668	22083	28.76575	10441
Selenium		Copper	Acid plant blowdown	CBI	CBI	0.61	22083	26.26813	10441
Selenium		Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.444	22083	19.11975	10441
Selenium		Copper	Acid plant blowdown	CBI	CBI	0.28	22083	12.0575	10441
Selenium		Copper	Acid plant blowdown	CBI	CBI	0.16	22083	6.89	10441
Selenium		Copper	Acid plant blowdown	CBI	CBI	0.16	22083	6.89	10441
Selenium		Copper	Acid plant blowdown	CBI	CBI	0.068	22083	2.92825	10441
Selenium		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.05	22083	2.15313	10441
Selenium		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.05	22083	2.15313	10441
Selenium		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.05	22083	2.15313	10441
Selenium		Copper	Acid plant blowdown	CBI	CBI	0.028	22083	1.20575	10441
Selenium		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.005	22083	0.21531	10441

Selenium	Elemental Phosphorus	AFM rinsate	Unknown	Unknown	1.03	167	0.33475	415	
Selenium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.44	17500	15.015	8429	
Selenium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.25	17500	8.53125	8429	
Selenium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.05	17500	1.70625	8429	
Selenium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.05	17500	1.70625	8429	
Selenium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.0025	17500	0.08531	8429	
Selenium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.0025	17500	0.08531	8429	
Selenium	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385	
Selenium	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385	
Selenium	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385	
Selenium	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385	
Selenium	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385	
Selenium	Selenium	Plant process wastewaters	Unknown	Unknown	0.5	550	0.53625	631	
Selenium	Selenium	Plant process wastewaters	Zinc Corp of America, Mo	PA	0.5	550	0.53625	631	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	AMAX, East St. Louis	IL	0.2	4375	1.70625	2517	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.095	4375	0.81047	2517	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.036	4375	0.30713	2517	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.023	4375	0.19622	2517	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.01	4375	0.08531	2517	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.01	4375	0.08531	2517	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0065	4375	0.05545	2517	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unnamed Plant	Unknown	0.003	4375	0.02559	2517	
Selenium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0025	4375	0.02133	2517	
Selenium	Titanium and Titanium Dioxide	Scrap milling scrubber water	Unnamed Plant	Unknown	0.001	42	0.00008	340	
Selenium	Titanium and Titanium Dioxide	Scrap milling scrubber water	Unnamed Plant	Unknown	0.001	42	0.00008	340	
Silver	49	Copper	Acid plant blowdown	Cyprus, Clay Pool	AZ	5	22083	215.3125	10441
Silver		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.25	22083	10.76563	10441
Silver		Copper	Acid plant blowdown	CBI	CBI	0.2	22083	8.6125	10441
Silver		Copper	Acid plant blowdown	CBI	CBI	0.15	22083	6.45938	10441
Silver		Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.1	22083	4.30625	10441
Silver		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.1	22083	4.30625	10441
Silver		Copper	Acid plant blowdown	CBI	CBI	0.1	22083	4.30625	10441
Silver		Copper	Acid plant blowdown	CBI	CBI	0.07	22083	3.01438	10441
Silver		Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.05	22083	2.15313	10441
Silver		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.04	22083	1.7225	10441
Silver		Copper	Acid plant blowdown	CBI	CBI	0.015	22083	0.64594	10441
Silver		Copper	Acid plant blowdown	CBI	CBI	0.015	22083	0.64594	10441
Silver		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.005	22083	0.21531	10441
Silver		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.005	22083	0.21531	10441
Silver		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.005	22083	0.21531	10441
Silver		Elemental Phosphorus	AFM rinsate	Unknown	Unknown	0.02	167	0.0065	415
Silver		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.25	17500	8.53125	8429
Silver		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.05	17500	1.70625	8429
Silver		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.05	17500	1.70625	8429
Silver		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.02	17500	0.6825	8429
Silver		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.01	17500	0.34125	8429
Silver		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.01	17500	0.34125	8429
Silver		Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385
Silver		Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385
Silver		Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385
Silver		Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385
Silver		Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385
Silver		Selenium	Plant process wastewaters	Unknown	Unknown	0.5	550	0.53625	631
Silver		Selenium	Plant process wastewaters	Zinc Corp of America, Mo	PA	0.5	550	0.53625	631
Silver		Selenium	Plant process wastewaters	AMAX, East St. Louis	IL	0.07	550	0.07508	631
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.038	4375	0.32419	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.025	4375	0.21328	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.025	4375	0.21328	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.02	4375	0.17063	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.02	4375	0.17063	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unnamed Plant	Unknown	0.02	4375	0.17063	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unnamed Plant	Unknown	0.02	4375	0.17063	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unnamed Plant	Unknown	0.015	4375	0.12797	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.009	4375	0.07678	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.005	4375	0.04266	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.005	4375	0.04266	2517
Silver		Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.0015	4375	0.0128	2517
Thallium	23	Copper	Acid plant blowdown	Cyprus, Clay Pool	AZ	25	22083	1076.5625	10441
Thallium		Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.25	22083	10.76563	10441
Thallium		Copper	Acid plant blowdown	Magma, San Manuel	AZ	0.25	22083	10.76563	10441
Thallium		Elemental Phosphorus	AFM rinsate	Unknown	Unknown	0.03	167	0.00975	415
Thallium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	1.25	17500	42.65625	8429
Thallium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.455	17500	15.52688	8429
Thallium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.455	17500	15.52688	8429
Thallium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.25	17500	8.53125	8429
Thallium		Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.25	17500	8.53125	8429

Thallium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.014	17500	0.47775	8429	
Thallium	Rare Earths	Process wastewater	Unknown	Unknown	2.5	117	0.56875	385	
Thallium	Rare Earths	Process wastewater	Unknown	Unknown	2.5	117	0.56875	385	
Thallium	Rare Earths	Process wastewater	Unknown	Unknown	2.5	117	0.56875	385	
Thallium	Rare Earths	Process wastewater	Unknown	Unknown	2.5	117	0.56875	385	
Thallium	Rare Earths	Process wastewater	Zinc Corp of America, Mo	PA	2.5	117	0.56875	385	
Thallium	Rare Earths	Process wastewater	Unknown	Unknown	0.55	117	0.12513	385	
Thallium	Selenium	Plant process wastewaters	Unknown	Unknown	0.55	550	0.58988	631	
Thallium	Selenium	Plant process wastewaters	Unknown	Unknown	0.25	550	0.26813	631	
Thallium	Selenium	Plant process wastewaters	Unknown	Unknown	0.25	550	0.26813	631	
Thallium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.25	4375	2.13281	2517	
Thallium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.25	4375	2.13281	2517	
Thallium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.25	4375	2.13281	2517	
Thallium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.25	4375	2.13281	2517	
Vanadium	22	Copper	Acid plant blowdown	Cyprus, Clay Pool	AZ	5	22083	215.3125	10441
Vanadium	22	Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	0.05	22083	2.15313	10441
Vanadium	Elemental Phosphorus	AFM rinsate	Unknown	Unknown	0.19	167	0.06175	415	
Vanadium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.794	17500	27.09525	8429	
Vanadium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.6	17500	20.475	8429	
Vanadium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.58	17500	19.7925	8429	
Vanadium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.05	17500	1.70625	8429	
Vanadium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.05	17500	1.70625	8429	
Vanadium	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.015	17500	0.51188	8429	
Vanadium	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385	
Vanadium	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385	
Vanadium	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385	
Vanadium	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385	
Vanadium	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385	
Vanadium	Rare Earths	Process wastewater	Unknown	Unknown	0.5	117	0.11375	385	
Vanadium	Selenium	Plant process wastewaters	Unknown	Unknown	0.05	550	0.05363	631	
Vanadium	Selenium	Plant process wastewaters	Unknown	Unknown	0.05	550	0.05363	631	
Vanadium	Selenium	Plant process wastewaters	Unknown	Unknown	0.05	550	0.05363	631	
Vanadium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Vanadium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Vanadium	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.05	4375	0.42656	2517	
Zinc	34	Copper	Acid plant blowdown	CBI	CBI	467	22083	20110.1875	10441
Zinc	34	Copper	Acid plant blowdown	CBI	CBI	365	22083	15717.8125	10441
Zinc	34	Copper	Acid plant blowdown	Cyprus, Clay Pool	AZ	115	22083	4952.1875	10441
Zinc	34	Copper	Acid plant blowdown	Magma, San Manuel	AZ	22.25	22083	958.14063	10441
Zinc	34	Copper	Acid plant blowdown	CBI	CBI	7.47	22083	321.67688	10441
Zinc	34	Copper	Acid plant blowdown	Kennecott, Bingham Can	UT	7.14	22083	307.46625	10441
Zinc	34	Copper	Acid plant blowdown	Magma, San Manuel	AZ	7.08	22083	304.8825	10441
Zinc	34	Copper	Acid plant blowdown	CBI	CBI	6.63	22083	285.50438	10441
Zinc	34	Copper	Acid plant blowdown	CBI	CBI	6.23	22083	268.27938	10441
Zinc	34	Copper	Acid plant blowdown	CBI	CBI	3.16	22083	136.0775	10441
Zinc	Elemental Phosphorus	AFM rinsate	Unknown	Unknown	37.2	167	12.09	415	
Zinc	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	130	17500	4436.25	8429	
Zinc	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	130	17500	4436.25	8429	
Zinc	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	70	17500	2388.75	8429	
Zinc	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	3.8	17500	129.675	8429	
Zinc	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	1.36	17500	46.41	8429	
Zinc	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.58	17500	19.7925	8429	
Zinc	Elemental Phosphorus	Furnace scrubber blowdown	Unknown	Unknown	0.55	17500	18.76875	8429	
Zinc	Rare Earths	Process wastewater	Unknown	Unknown	24	117	5.46	385	
Zinc	Rare Earths	Process wastewater	Unknown	Unknown	19.4	117	4.4135	385	
Zinc	Rare Earths	Process wastewater	Unknown	Unknown	12.5	117	2.84375	385	
Zinc	Rare Earths	Process wastewater	Unknown	Unnamed Plant	10.7	117	2.43425	385	
Zinc	Rare Earths	Process wastewater	Unknown	Unknown	8.94	117	2.03385	385	
Zinc	Rare Earths	Process wastewater	Unknown	Unknown	6.17	117	1.40368	385	
Zinc	Selenium	Plant process wastewaters	Unknown	Unknown	5	550	5.3625	631	
Zinc	Selenium	Plant process wastewaters	Unknown	Unknown	1.98	550	2.12355	631	
Zinc	Selenium	Plant process wastewaters	Unknown	Unknown	0.599	550	0.64243	631	
Zinc	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.54	4375	4.60688	2517	
Zinc	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.54	4375	4.60688	2517	
Zinc	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.5	4375	4.26563	2517	
Zinc	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.5	4375	4.26563	2517	
Zinc	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.5	4375	4.26563	2517	
Zinc	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.371	4375	3.16509	2517	
Zinc	Tantalum, Columbium, and Ferrocolumbi	Process wastewater	Unknown	Unknown	0.207	4375	1.76597	2517	

NOTES:

- $V_{wp} (m^3) = 1/4 \text{ Annual Average Recycled Volume (MT)} * 0.734$ (Waste density = 85lb/ft³ = 1361 kg/m³)
- $M_{wp} (kg) = C_{bulk} (mg/kg) * V_{wp} (m^3) * 1.361 \times 10^{-3}$ (1.361X10⁻³ = 1.361 MT/m³ * 1000 kg/MT * 1X10⁻⁶ kg/mg)
- $V_{si} (m^3) = 1/12 \text{ Average Annual Recycled Volume (MT)} * 1.0$ (Waste Density = 62.4 lb/ft³ = 1000 kg/m³)
- $M_{si} (kg) = C_{bulk} (mg/l = mg/kg) * V_{si} (m^3) * 1 \times 10^{-3}$ (1X10⁻³ = 1.0 MT/m³ * 1000 kg/MT * 1X10⁻⁶ kg/mg)
- $M_{leachable} (kg) = C_{leachate} (mg/l) * 20 \text{ l/kg} * V (m^3) * 1.363 \times 10^{-3}$ (20 l/kg = ratio of leachate mass to solid sample mass)
- $M_{leachable} (kg) = C_{leachate} (mg/l = mg/kg) * 1.95 \text{ l/kg} * V_{si} (m^3)$ (1.95 l/kg = ratio of extraction solvent plus liquid fraction to original sample mass)