Metals - Soil Sampling Analytical Results (Unvalidated)
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Fruitland Magnesium Incident
TDD: 02-1606001 / Site ID: A9AP

	61820163577	061820163536B	061820163555B	061820163555F	061820163559B	061820163559F	061820163563D	061820163563F	061820163567B	061820163567D	061820163567S
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
ALUMINUM	9990	13400	4230	6200	4950	8730	11900	12000	8170	8790	7920
ANTIMONY	0.761	0.743	0.989	0.732	0.725	0.758	0.758	0.754	0.718	0.718	2.63
ARSENIC	0.761	2.47	1.1	2.31	0.725	2.82	3.96	2.62	1.57	0.718	2.89
BARIUM	645	279	100	79.2	94.5	114	174	183	479	995	1090
BERYLLIUM	0.452	0.349	0.249	0.244	0.242	0.302	0.304	0.315	0.239	0.239	0.249
CADMIUM	1.27	3.47	0.498	0.488	0.655	0.824	1.41	1.41	4.67	13.3	16.2
CALCIUM	10900	10700	3530	4400	1950	5210	21800	10800	4750	10500	10100
CHROMIUM	28.9	26	6.3	6.51	3.73	11.4	19.1	20.1	11.3	15.6	18.8
COBALT	7.95	11.2	3.76	5.86	3.4	7.14	9.59	10	6.63	6.77	6.78
COPPER	149	72.7	62.1	17.8	46.1	21.9	41.8	43.3	400	377	595
IRON	26600	21700	7310	11500	9630	15700	18400	18400	13700	13800	13900
LEAD	85.2	247	61.5	5.47	41.5	28.2	152	158	43.8	64.8	81.5
MAGNESIUM	44600	9220	6810	4580	2810	4750	6400	6660	18000	30200	18900
MANGANESE	457	357	152	246	176	292	316	327	293	293	291
MERCURY	0.0806	1	0.082	0.0833	0.0833	0.0847	0.0794	0.252	0.0847	0.0847	0.0862
NICKEL	19.1	20.8	6.01	6.48	6.54	9.71	15.1	16.1	12.8	22.1	25.3
POTASSIUM	3050	5400	1240	2220	2060	3390	4580	4610	2740	3280	3100
SELENIUM	0.761	0.743	0.746	0.732	0.725	0.758	0.758	0.754	0.916	0.718	0.746
SILVER	3.34	0.465	0.249	0.244	0.242	0.253	0.253	0.317	0.287	0.98	1.31
SODIUM	604	676	269	339	151	199	646	597	231	442	447
THALLIUM	0.761	0.743	1.37	0.732	0.725	0.758	0.758	0.754	0.718	0.718	0.746
VANADIUM	26.9	37.4	11	17.8	11.2	26.6	33.2	33.9	22.9	26.2	23.8
ZINC	464	451	133	45.7	147	134	255	261	361	713	859
TCLP											
ALUMINUM	nd	0.723	0.608	0.767	nd	nd	0.605	0.523	0.866	1.1	0.912
ANTIMONY	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.184
ARSENIC	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BARIUM	1.95	nd	1.14	nd	nd	nd	nd	nd	6.75	6.92	6.54
BERYLLIUM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CADMIUM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CALCIUM	134	126	143	140	39	74.2	134	154	114	222	225
CHROMIUM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
COBALT	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
COPPER	nd	nd	0.149	nd	nd	nd	nd	nd	0.33	0.984	0.916
IRON	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
LEAD	nd	0.172	0.372	nd	0.801	nd	nd	nd	0.156	nd	nd
MAGNESIUM	322	35.1	131	11	52.7	11.3	19.6	21.8	276	352	310
MANGANESE	0.121	1.84	1.66	1.42	0.995	1.3	1.64	1.84	2.21	1.32	1.9
NICKEL	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
POTASSIUM	11.2	20.4	12	5.18	5.93	7.21	14.4	13.5	9.28	24.7	23.1
SELENIUM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SILVER	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
THALLIUM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VANADIUM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ZINC	0.266	3.41	nd	0.292	3.02	1.08	1.12	1.28	4.98	3.19	3.82

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Fruitland Magn
TDD: 02-16060

	0618201635 75B	0618201635 75F	0618201635 75S	0619201635 63REF	0619201635 75REF
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
ALUMINUM	11800	10100	9320	12400	8850
ANTIMONY	0.765	0.732	6.24	0.743	0.746
ARSENIC	2.32	4.78	3.71	3.13	1.89
BARIUM	724	181	393	188	146
BERYLLIUM	0.386	0.375	1.59	0.329	0.366
CADMIUM	2.62	1.33	2.15	1.7	0.538
CALCIUM	14600	11700	5770	10300	3780
CHROMIUM	21.6	14.7	13.7	21.5	10.6
COBALT	10.8	7.77	6.73	10.7	4.97
COPPER	79.6	46.2	357	50.2	13.1
IRON	24700	16700	12800	19400	12800
LEAD	94.2	30	59.4	191	6.35
MAGNESIUM	24600	6050	15100	6680	3310
MANGANESE	355	297	266	333	211
MERCURY	0.0806	0.0862	0.0847	0.161	0.0806
NICKEL	37.3	14.3	15.8	18.7	8.85
POTASSIUM	4560	3700	2490	5070	2710
SELENIUM	0.765	0.732	1.27	0.743	0.746
SILVER	0.255	0.244	1.02	0.248	0.249
SODIUM	724	784	266	312	133
THALLIUM	0.765	0.732	4.74	0.743	0.746
VANADIUM	30	31.1	23.5	35.3	22.8
ZINC	399	156	413	309	68.3
TCLP					
ALUMINUM	1.52	nd	1.19	nd	nd
ANTIMONY	nd	nd	0.253	nd	nd
ARSENIC	nd	nd	nd	nd	0.617
BARIUM	4.05	1.05	4.83	nd	nd
BERYLLIUM	nd	nd	nd	nd	2.72
CADMIUM	nd	nd	nd	nd	nd
CALCIUM	245	269	135	122	102
CHROMIUM	nd	nd	nd	nd	nd
COBALT	nd	nd	nd	nd	nd
COPPER	nd	nd	nd	nd	nd
IRON	nd	nd	nd	nd	nd
LEAD	nd	nd	nd	nd	nd
MAGNESIUM	336	43.7	370	20.8	24.8
MANGANESE	0.464	2.22	0.449	0.703	1.88
NICKEL	nd	nd	nd	nd	nd
POTASSIUM	30.2	21.3	11.1	20.5	15.7
SELENIUM	nd	nd	nd	nd	nd
SILVER	nd	nd	nd	nd	nd
THALLIUM	nd	nd	nd	nd	nd
VANADIUM	nd	nd	nd	nd	nd
ZINC	1.59	0.601	0.911	1.28	0.664

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