Alpha Pad
Pre-Staging Sample Results
9/2/2017 - 9/3/2017
Metals

Sample Number:	ES1-A-011-170902-06-01		ES1-A-012-170902-06-02		ES1-A-012-170902-06-03		ES1-A-013-170902-06-04	
Sampling Location:	11		12		12		13	
Matrix:	Solid		Solid		Solid		Solid	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled:	9/2/2017		9/2/2017		9/2/2017		9/2/2017	
Date Analyzed:	9/10/2017		9/10/2017		9/10/2017		9/10/2017	
Parameter	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	2580000	J-	1280000	J-	2060000	J-	1090000	J-
Antimony	485	UJ	523	UJ	556	UJ	517	UJ
Arsenic	1100	J-	519	J-	928	J-	613	J-
Barium	119000	J	69800	J	104000	J	36100	J
Beryllium	442	UJ	476	UJ	507	UJ	472	UJ
Cadmium	364	UJ	392	UJ	417	UJ	388	UJ
Calcium	14300000		12100000		19600000		18700000	
Chromium	3410	J-	1890	J-	2950	J-	2360	J-
Cobalt	1220	J-	684	J-	1010	J-	527	J-
Copper	2580	J-	2390	J-	3930	J-	3500	J-
Iron	3460000	J-	1490000	J-	2270000	J-	1420000	J-
Lead	4560	J-	9710	J-	13400	J-	33900	J-
Magnesium	1090000	J-	663000	J-	968000	J-	630000	J-
Manganese	83600	J-	75100	J-	111000	J-	57500	J-
Nickel	2190	J-	1090	J-	1660	J-	1040	J-
Potassium	839000	J-	404000	J-	613000	J-	282000	J-
Selenium	1260	U	1360	U	252	U	1350	U
Silver	346	U	373	U	397	U	369	U
Sodium	142000	UJ	153000	UJ	163000	UJ	151000	UJ
Thallium	348	U	375	U	399	U	371	U
Vanadium	5000	J-	1850	J-	2890	J-	1540	J-
Zinc	19400	J-	25200	J-	36100	J-	82600	J-
Mercury	0.125	U	0.13	U	0.116	U	0.119	U

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Sample Number:	ES1-A-014-170902-06-05		ES1-A-015-170902-06-06		ES1-A-016-170903-06-01		ES1-A-017-170902-06-07	
Sampling Location:	14		15		16		17	
Matrix:	Solid		Solid		Solid		Solid	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled:	9/2/2017		9/2/2017		9/3/2017		9/2/2017	
Date Analyzed:	9/10/2017		9/10/2017		9/10/2017		9/10/2017	
Parameter	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	1000000	J-	1140000	J-	706000		954000	J-
Antimony	533	UJ	629	UJ	611	U	560	UJ
Arsenic	1020	J-	588	J-	445	J	739	J-
Barium	66600	J	43300	J	42100		28100	J
Beryllium	486	UJ	573	UJ	557	U	510	UJ
Cadmium	400	UJ	472	UJ	458	U	420	UJ
Calcium	34900000		19600000		23500000		41200000	
Chromium	4040	J-	22100	J-	1910		2620	J-
Cobalt	571	J-	620	J-	407	J	541	J-
Copper	6570	J-	8640	J-	4980		3750	J-
Iron	1940000	J-	1700000	J-	1180000		1370000	J-
Lead	62200	J-	65600	J-	44200		43500	J-
Magnesium	1030000	J-	766000	J-	588000		735000	J-
Manganese	59800	J-	73800	J-	38900		52300	J-
Nickel	1680	J-	1890	J-	1090	J	1430	J-
Potassium	275000	J-	273000	J-	198000	J	260000	J-
Selenium	1390	U	1640	U	1590	U	1460	U
Silver	381	U	449	U	436	U	400	U
Sodium	156000	UJ	184000	UJ	179000	U	208000	J-
Thallium	382	U	451	U	438	U	401	U
Vanadium	2550	J-	1840	J-	1690		2070	J-
Zinc	63300	J-	177000	J-	51300		42600	J-
Mercury	0.131	U	0.139	U	0.133	U	0.122	U

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Sample Number:	ES1-A-018-170902-06-08		ES1-A-021-170903-06-12		ES1-A-022-170903-06-13		ES1-A-023-170903-06-14	
Sampling Location:	18		21		22		23	
Matrix:	Solid		Solid		Solid		Solid	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled:	9/2/2017		9/3/2017		9/3/2017		9/3/2017	
Date Analyzed:	9/10/2017		9/10/2017		9/10/2017		9/10/2017	
Parameter	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	1180000	J-	911000		1650000		819000	
Antimony	567	UJ	478	U	479	U	470	U
Arsenic	1570	J-	867	J	1310		920	J
Barium	54800	J	16000		28300		25900	
Beryllium	517	UJ	436	U	436	U	428	U
Cadmium	425	UJ	359	U	359	U	352	U
Calcium	98000000		11000000		31700000		44000000	
Chromium	4700	J-	3590		5030		2690	
Cobalt	765	J-	969	J	1420		848	J
Copper	7210	J-	7520		4760		3870	
Iron	2160000	J-	1970000		2370000		1380000	
Lead	39100	J-	13800		7680		5330	
Magnesium	1240000	J-	713000		1190000		1050000	
Manganese	76200	J-	49800		73600		53200	
Nickel	2190	J-	1550		2440		2130	
Potassium	305000	J-	312000		486000		261000	
Selenium	1470	U	1240	U	217	U	213	U
Silver	405	U	341	U	342	U	335	U
Sodium	495000	J-	140000	U	241000	J	222000	J
Thallium	406	U	343	U	343	U	337	U
Vanadium	4190	J-	2430		5850		10200	
Zinc	68700	J-	30100		28300		18200	
Mercury	0.0118	U	0.107	U	0.127	U	0.0117	U

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Pre-Staging Sample Results
9/2/2017 - 9/3/2017
Metals

Sample Number:	ES1-A-024-170903-06-15		ES1-A-025-170903-06-16		ES1-A-025-170903-06-17		ES1-A-026-170903-06-18	
Sampling Location:	24		25		25		26	
Matrix:	Solid		Solid		Solid		Solid	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled:	9/3/2017		9/3/2017		9/3/2017		9/3/2017	
Date Analyzed:	9/10/2017		9/11/2017		9/11/2017		9/11/2017	
Parameter	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	1250000		1040000		1460000		737000	
Antimony	523	U	495	U	555	U	607	U
Arsenic	1030	J	654	J	1130	J	572	J
Barium	27900		14100		18900		6710	
Beryllium	477	U	452	U	506	U	553	U
Cadmium	392	U	372	U	416	U	455	U
Calcium	16000000		9550000	J	16200000	J	5090000	
Chromium	2940		1990		4060		1180	J
Cobalt	1080	J	692	J	1020	J	730	J
Copper	5220		1130	J	1930	J	1120	U
Iron	1930000		1300000		1900000		1120000	
Lead	9450		3380		3960		5270	
Magnesium	937000		802000		993000		679000	
Manganese	64500		32700	J	67300	J	33700	
Nickel	1870		1290		2160		1040	J
Potassium	431000		364000		491000		274000	J
Selenium	1360	U	1290	U	251	U	275	U
Silver	373	U	354	U	396	U	433	U
Sodium	241000	J	165000	J	256000	J	177000	U
Thallium	375	U	355	U	398	U	435	U
Vanadium	3570		2670		4080		2070	
Zinc	45300		6610		8830		5010	J
Mercury	0.0104	U	0.113	U	0.0111	U	0.0117	U

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