EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-1 Date: 5-21-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND< 53	ND < 53	ND < 56	ND < 52	
Arsenic	5 ± 2	7 ± 2	6 ± 2	6 ± 2	
Barium	351 ± 75	366 ± 75	253 ± 75	337 ± 73	
Cadmium	ND < 29	ND < 29	ND < 31	ND < 29	
Chromium	ND < 76	ND < 80	ND < 77	ND < 76	
Copper	1096 ± 17	1197 ± 17	1012 ± 17	1014 ± 16	
Lead	11 ± 2	8 ± 2	ND < 6	9 ± 2	
Mercury	ND < 7	ND < 7	ND < 7	8 ± 2	
Nickel	48 ± 10	45 ± 10	35 ± 10	ND < 29	
Selenium	3 ± 1	7 ± 1	6 ± 1	6 ± 1	
Silver	ND < 28	ND < 28	ND < 30	ND < 28	
Thallium	—	—	—	—	
Tin	ND < 48	ND < 48	ND < 51	ND < 47	
Zinc	12 ± 4	ND < 12	19 ± 4	ND < 11	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 56	ND < 55	ND < 57	ND < 60	
Arsenic	5 ± 2	5 ± 1	14 ± 2	ND < 5	
Barium	335 ± 76	407 ± 75	424 ± 85	ND < 245	
Cadmium	ND < 31	ND < 30	ND < 31	ND < 33	
Chromium	ND < 85	ND < 75	ND < 89	ND < 92	
Copper	1270 ± 19	928 ± 15	1707 ± 23	1303 ± 21	
Lead	9 ± 2	ND < 6	8 ± 2	ND < 7	
Mercury	ND < 7	ND < 7	ND < 8	ND < 9	
Nickel	ND < 31	34 ± 10	52 ± 12	ND < 34	
Selenium	ND < 3	4 ± 1	5 ± 1	ND < 3	
Silver	ND < 30	48 ± 10	ND < 30	ND < 32	
Thallium	—	—	—	—	
Tin	ND < 51	ND < 49	ND < 51	ND < 55	
Zinc	ND < 13	ND < 11	ND < 15	ND < 14	

Brown and Caldwell Signature [signature] **Date** 5-21-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-2 Date: 5-21-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<55	ND<54	ND<54	ND<53	
Arsenic	8 ± 2	6 ± 2	5 ± 2	ND<5	
Barium	264 ± 76	367 ± 74	342 ± 74	ND<214	
Cadmium	ND<31	ND<30	ND<30	ND<29	
Chromium	ND<84	ND<80	ND<78	ND<75	
Copper	924 ± 16	932 ± 16	945 ± 16	913 ± 15	
Lead	8 ± 2	7 ± 2	10 ± 2	10 ± 2	
Mercury	ND<7	8 ± 3	ND<8	ND<7	
Nickel	37 ± 11	33 ± 10	ND<29	ND<29	
Selenium	11 ± 1	5 ± 1	5 ± 1	6 ± 1	
Silver	ND<30	ND<29	ND<29	ND<28	
Thallium	—	—	—	—	
Tin	ND<51	ND<49	ND<49	ND<48	
Zinc	ND<12	ND<11	ND<12	15 ± 4	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<57	ND<55	ND<54	ND<58	
Arsenic	ND<5	8 ± 2	6 ± 2	8 ± 2	
Barium	236 ± 74	ND<221	262 ± 70	270 ± 77	
Cadmium	ND<32	ND<30	ND<30	ND<32	
Chromium	ND<83	ND<78	ND<72	ND<84	
Copper	1229 ± 19	ND<6	1235 ± 18	1348 ± 20	
Lead	7 ± 2	1325 ± 19	7 ± 2	ND<6	
Mercury	ND<7	ND<7	ND<7	ND<8	
Nickel	ND<30	47 ± 11	ND<30	ND<31	
Selenium	5 ± 1	6 ± 1	5 ± 1	4 ± 1	
Silver	ND<30	ND<29	ND<28	53 ± 10	
Thallium	—	—	—	—	
Tin	ND<52	ND<50	ND<49	ND<52	
Zinc	ND<13	14<4	ND<12	ND<14	

Brown and Caldwell Signature [signature] **Date** 5-21-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-3 Date: 5-21-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 54	ND < 54	ND < 51	ND < 53	
Arsenic	6 ± 2	7 ± 2	5 ± 2	7 ± 2	
Barium	335 ± 74	ND < 210	213 ± 68	277 ± 71	
Cadmium	ND < 30	ND < 30	ND < 28	ND < 29	
Chromium	ND < 76	ND < 73	ND < 72	ND < 76	
Copper	1260 ± 18	1192 ± 18	1254 ± 18	1213 ± 18	
Lead	7 ± 2	9 ± 2	11 ± 2	9 ± 2	
Mercury	ND < 7	ND < 7	ND < 7	ND < 7	
Nickel	31 ± 10	ND < 28	ND < 28	30 ± 10	
Selenium	5 ± 1	4 ± 1	7 ± 1	5 ± 1	
Silver	ND < 29	ND < 29	ND < 27	ND < 28	
Thallium	—	—	—	—	
Tin	ND < 49	ND < 49	ND < 47	ND < 48	
Zinc	ND < 13	~~24~~ 25 ± 4	12 ± 4	17 ± 4	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 55	ND < 63	ND < 58	ND < 56	
Arsenic	ND < 5	6 ± 2	8 ± 2	5 ± 2	
Barium	295 ± 73	306 ± 85	308 ± 80	407 ± 77	
Cadmium	ND < 30	ND < 35	ND < 32	ND < 31	
Chromium	ND < 77	ND < 91	ND < 81	ND < 80	
Copper	903 ± 16	999 ± 19	1065 ± 18	897 ± 16	
Lead	8 ± 2	7 ± 2	ND < 7	ND < 6	
Mercury	ND < 7	ND < 8	ND < 7	ND < 8	
Nickel	ND < 29	ND < 33	ND < 32	ND < 30	
Selenium	4 ± 1	4 ± 1	6 ± 1	3 ± 1	
Silver	ND < 29	ND < 34	ND < 31	ND < 30	
Thallium	—	—	—	—	
Tin	ND < 50	ND < 57	ND < 53	ND < 50	
Zinc	ND < 12	ND < 14	ND < 13	ND < 12	

Brown and Caldwell Signature [signature] **Date** 5-21-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-4 Date: 5-21-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<53	ND<53	ND<52	ND<54	
Arsenic	ND<4	ND<5	ND<5	6 ± 2	
Barium	356 ± 74	ND<210	275 ± 71	293 ± 74	
Cadmium	ND<29	ND<30	ND<29	ND<30	
Chromium	ND<73	ND<77	ND<74	ND<77	
Copper	711 ± 13	758 ± 14	706 ± 13	804 ± 14	
Lead	9 ± 2	10 ± 2	11 ± 2	8 ± 2	
Mercury	ND<7	ND<7	ND<7	ND<7	
Nickel	ND<28	37 ± 10	ND<28	ND<30	
Selenium	ND<2	3 ± 1	5 ± 1	ND<3	
Silver	ND<28	34 ± 9	ND<28	ND<29	
Thallium	—	—	—	—	
Tin	ND<48	ND<48	ND<47	ND<49	
Zinc	18 ± 4	24 ± 4	13 ± 3	19 ± 4	

Deep Sample: B Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<55	ND<56	ND<60	ND<53	
Arsenic	7 ± 2	6 ± 2	9 ± 2	6 ± 1	
Barium	281 ± 76	244 ± 76	ND<236	ND<206	
Cadmium	ND<30	ND<31	ND<33	ND<29	
Chromium	ND<77	ND<79	ND<83	ND<76	
Copper	1020 ± 17	891 ± 16	1292 ± 20	930 ± 15	
Lead	6 ± 2	7 ± 2	ND<7	ND<6	
Mercury	ND<8	ND<8	ND<8	ND<7	
Nickel	48 ± 10	50 ± 11	ND<32	35<10	
Selenium	3 ± 1	3 ± 1	ND<3	ND<2	
Silver	ND<29	ND<30	ND<31	ND<28	
Thallium	—	—	—	—	
Tin	ND<50	ND<51	ND<54	ND<48	
Zinc	16 ± 4	14 ± 4	19 ± 5	18 ± 4	

Brown and Caldwell Signature [signature] **Date** 5-21-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-6 Date: 5-21-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<56	ND<53	ND<53	ND<54	
Arsenic	5 ± 2	9 ± 2	6 ± 2	7 ± 2	
Barium	289 ± 75	370 ± 75	335 ± 74	ND<224	
Cadmium	ND<31	ND<30	ND<29	ND<30	
Chromium	ND<81	ND<77	ND<76	ND<85	
Copper	1480 ± 21	1607 ± 21	1634 ± 21	1694 ± 22	
Lead	7 ± 2	ND<6	9 ± 2	ND<6	
Mercury	ND<7	ND<7	ND<7	ND<7	
Nickel	ND<31	ND<30	ND<30	ND<31	
Selenium	ND<2	ND<2	ND<2	ND<2	
Silver	ND<30	ND<29	ND<28	ND<29	
Thallium	—	—	—	—	
Tin	ND<51	ND<49	ND<48	ND<49	
Zinc	ND<14	ND<14	ND<13	ND<14	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<52	ND<53	ND<54	ND<53	
Arsenic	ND<4	ND<4	ND<5	5 ± 2	
Barium	447 ± ~~73~~ 78	358 ± 72	366 ± 74	ND<202	
Cadmium	ND<29	ND<29	ND<30	ND<29	
Chromium	ND<72	ND<74	ND<76	ND<74	
Copper	917 ± 15	1421 ± 19	975 ± 16	971 ± 16	
Lead	10 ± 2	ND<6	10 ± 2	10 ± 2	
Mercury	ND<7	ND<7	ND<7	ND<7	
Nickel	ND<28	ND<30	ND<29	49 ± 10	
Selenium	12 ± 1	12 ± 1	20 ± 1	16 ± 1	
Silver	ND<28	ND<28	ND<29	ND<28	
Thallium	—	—	—	—	
Tin	ND<47	ND<48	ND<49	ND<48	
Zinc	ND<11	18 ± 4	ND<12	ND<12	

Brown and Caldwell Signature [signature] **Date** 5-21-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-5 Date: 5-21-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<53	ND<55	ND<54	ND<53	
Arsenic	7 ± 2	19 ± 2	9 ± 2	9 ± 2	
Barium	ND<221	401 ± 80	326 ± 80	344 ± 78	
Cadmium	ND<29	ND<30	ND<30	ND<30	
Chromium	ND<81	ND<85	ND<32	ND<83	
Copper	1525 ± 20	1549 ± 21	1464 ± 20	1545 ± 20	
Lead	7 ± 2	ND<6	ND<6	7 ± 2	
Mercury	ND<7	ND<8	ND<8	ND<7	
Nickel	41 ± 10	48 ± 11	ND<31	34 ± 11	
Selenium	3 ± 1	ND<3	3 ± 1	5 ± 1	
Silver	ND<28	ND<29	ND<29	ND<28	
Thallium	—	—	—	—	
Tin	ND<48	ND<50	ND<49	ND<49	
Zinc	14 ± 5	20 ± 5	ND<14	22 ± 5	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<54	ND<53	ND<59	ND<54	
Arsenic	7 ± 2	5 ± 2	6 ± 2	8 ± 2	
Barium	302 ± 76	ND<222	481 ± 88	535 ± 87	
Cadmium	ND<30	ND<30	ND<33	ND<30	
Chromium	ND<79	ND<78	ND<90	ND<90	
Copper	1325 ± 19	1303 ± 19	1403 <22	1760 ± 22	
Lead	8 ± 2	12 ± 2	10 ± 2	12 ± 2	
Mercury	ND<7	ND<7	ND<8	9 ± 3	
Nickel	45 ± 10	34 ± 10	ND<33	42 ± 11	
Selenium	6 ± 1	5 ± 1	5 ± 1	9 ± 1	
Silver	ND<29	ND<29	ND<32	ND<29	
Thallium	—	—	—	—	
Tin	ND<49	ND<48	ND<54	ND<49	
Zinc	19 ± 4	20 ± 4	ND<15	27 ± 5	

Brown and Caldwell Signature [signature] **Date** 5-21-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-7 Date: 5-21-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 53	ND < 53	ND < 54	ND < 53	
Arsenic	6 ± 2	6 ± 2	7 ± 2	6 ± 1	
Barium	309 ± 73	311 ± 71	282 ± 75	400 ± 74	
Cadmium	ND < 30	ND < 29	ND < 30	ND < 30	
Chromium	ND < 77	ND < 74	ND < 78	ND < 76	
Copper	1752 ± 22	1808 ± 22	1734 ± 22	1432 ± 20	
Lead	7 ± 2	13 ± 2	10 ± 2	7 ± 2	
Mercury	ND < 7	ND < 7	ND < 7	ND < 7	
Nickel	ND < 30	ND < 29	ND < 30	37 ± 10	
Selenium	ND < 2	3 ± 1	3 ± 1	ND < 2	
Silver	ND < 28	ND < 28	ND < 29	ND < 28	
Thallium	—	—	—	—	
Tin	ND < 48	ND < 48	ND < 49	ND < 48	
Zinc	19 ± 5	18 ± 5	ND < 14	14 ± 4	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 53	ND < 53	ND < 54	ND < 53	
Arsenic	ND < 4	ND < 4	9 ± 2	ND < 5	
Barium	272 ± 68	ND < 204	ND < 200	348 ± 72	
Cadmium	ND < 29	ND < 29	ND < 30	ND < 29	
Chromium	ND < 72	ND < 75	ND < 75	ND < 74	
Copper	1263 ± 18	1194 ± 17	1166 ± 17	1129 ± 17	
Lead	7 ± 2	9 ± 2	ND < 6	9 ± 2	
Mercury	ND < 7	ND < 7	ND < 7	ND < 7	
Nickel	ND < 28	33 ± 10	30 ± 10	ND < 29	
Selenium	9 ± 1	7 ± 1	10 ± 1	11 ± 1	
Silver	ND < 28	ND < 28	ND < 29	ND < 28	
Thallium	—	—	—	—	
Tin	ND < 48	ND < 48	ND < 49	ND < 48	
Zinc	ND < 12	ND < 12	ND < 12	ND < 12	

Brown and Caldwell Signature [signature] **Date** 5-21-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-8 Date: 5-21-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<52	ND<52	ND<54	ND<53	
Arsenic	5±1	6±1	6±2	10±2	
Barium	219±68	ND<204	318±76	287±76	
Cadmium	ND<29	ND<29	ND<30	ND<29	
Chromium	ND<71	ND<74	ND<38	ND<78	
Copper	822±14	840±14	1037±17	1108±17	
Lead	6±2	7±2	9±2	7±2	
Mercury	ND<7	ND<7	ND<7	ND<7	
Nickel	34±9	31±10	53<11	33±10	
Selenium	3±1	2±1	3±1	4±1	
Silver	ND<27	ND<28	ND<29	ND<28	
Thallium	—	—	—	—	
Tin	ND<47	ND<47	ND<50	ND<48	
Zinc	ND<11	ND<11	18±4	21±4	

Deep Sample: B Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<53	ND<53	ND<53	ND<54	
Arsenic	8±2	6±2	7±2	7±1	
Barium	216±72	325±75	ND<218	327±75	
Cadmium	ND<30	ND<29	ND<29	ND<36	
Chromium	ND<77	ND<77	ND<75	ND<86	
Copper	1144±17	1199<17	1113±17	1077±17	
Lead	9±2	9±2	9±2	ND<6	
Mercury	ND<7	ND<7	ND<7	ND<7	
Nickel	ND<30	45±10	34±10	37±10	
Selenium	4±1	3±1	5±1	ND<2	
Silver	ND<28	ND<28	ND<28	ND<29	
Thallium	—	—	—	—	
Tin	ND<49	ND<48	ND<48	ND<49	
Zinc	22±4	15±4	25±4	26±4	

Brown and Caldwell Signature [signature] **Date** 5-21-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF 9 Date: 5-21-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 53	ND < 55	ND < 55	ND < 54	
Arsenic	7 ± 2	13 ± 2	12 ± 2	9 ± 2	
Barium	380 ± 76	246 ± 75	ND < 222	ND < 217	
Cadmium	ND < 30	ND < 31	ND < 31	ND < 30	
Chromium	ND < 79	ND < 82	ND < 84	ND < 79	
Copper	1714 ± 22	1547 ± 21	1442 ± 20	1540 ± 21	
Lead	8 ± 2	ND < 6	ND < 6	ND < 6	
Mercury	ND < 7	ND < 7	ND < 7	ND < 7	
Nickel	ND < 31	35 ± 11	ND < 30	38 ± 10	
Selenium	ND < 3	ND < 3	4 ± 1	ND < 3	
Silver	ND < 29	ND < 29	ND < 30	ND < 29	
Thallium	—	—	—	—	
Tin	ND < 49	ND < 50	ND < 50	ND < 49	
Zinc	17 ± 5	ND < 14	ND < 14	ND < 13	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 54	ND < 53	ND < 51	ND < 53	
Arsenic	6 ± 2	8 ± 1	7 ± 1	6 ± 1	
Barium	ND < 217	237 ± 73	279 ± 72	254 ± 74	
Cadmium	ND < 30	ND < 30	ND < 29	ND < 29	
Chromium	ND < 76	ND < 79	ND < 79	ND < 81	
Copper	1393 ± 20	1466 ± 20	1570 ± 20	1648 ± 21	
Lead	ND < 6	ND < 6	ND < 6	ND < 6	
Mercury	ND < 8	ND < 7	ND < 7	9 ± 3	
Nickel	ND < 30	52 ± 10	43 ± 10	42 ± 10	
Selenium	3 ± 1	5 ± 1	5 ± 1	4 ± 1	
Silver	ND < 29	ND < 28	ND < 28	32 ± 9	
Thallium	—	—	—	—	
Tin	ND < 49	ND < 49	ND < 46	ND < 48	
Zinc	15 ± 5	18 ± 5	17 ± 4	ND < 14	

Brown and Caldwell Signature [signature] **Date** 5-21-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-10 Date: 5-20-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<54	ND<54	ND<54	ND<54	
Arsenic	ND<4	7 ± 2	6 ± 2	6 ± 2	
Barium	414 ± 78	554 ± 94	355 ± 83	310 ± 79	
Cadmium	ND<30	ND<32	ND<31	ND<30	
Chromium	ND<32	ND<101	ND<84	ND<85	
Copper	1691 ± 21	2294 ± 28	1675 ± 22	2072 ± 24	
Lead	7 ± 2	ND<7	ND<6	8 ± 2	
Mercury	ND<7	ND<8	ND<8	ND<7	
Nickel	ND<30	ND<38	ND<33	45 ± 11	
Selenium	4 ± 1	9 ± 1	7 ± 1	7 ± 1	
Silver	ND<28	ND<31	ND<30	ND<28	
Thallium	—	—	—	—	
Tin	ND<49	ND<51	ND<51	ND<49	
Zinc	14<5	ND<17	26 ± 5	ND<15	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<53	ND<54	ND<55	ND<36	
Arsenic	10 ± 2	11 ± 2	8 ± 2	14 ± 2	
Barium	358 ± 78	386 ± 80	231 ± 75	495 ± 83	
Cadmium	ND<29	ND<30	ND<31	ND<31	
Chromium	ND<82	ND<83	ND<79	ND<82	
Copper	1479 ± 20	1577 ± 21	1508 ± 21	1680 ± 22	
Lead	7 ± 2	ND<6	9 ± 2	8 ± 2	
Mercury	ND<7	9 ± 3	ND<7	ND<7	
Nickel	42 ± 10	ND<32	ND<31	ND<32	
Selenium	3 ± 1	4 ± 1	6 ± 1	5 ± 1	
Silver	ND<28	ND<29	ND<29	ND<30	
Thallium	—	—	—	—	
Tin	ND<48	ND<49	ND<50	ND<51	
Zinc	24 ± 5	16 ± 5	20 ± 5	34 ± 5	

Brown and Caldwell Signature [signature] **Date** 5-20-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-11 Date: 5-20-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND <53	ND <53	ND <54	ND <54	
Arsenic	6 ± 1	9 ± 2	7 ± 2	6 ± 2	
Barium	358 ± 75	335 ± 76	378 ± 80	334 ± 86	
Cadmium	ND <29	ND <30	ND <30	ND <30	
Chromium	ND <78	ND <77	ND <82	ND <85	
Copper	653 ± 13	712 ± 13	802 ± 14	763 ± 14	
Lead	7 ± 2	7 ± 2	8 ± 2	12 ± 2	
Mercury	ND <7	ND <7	ND <7	ND <7	
Nickel	35 ± 10	35 ± 10	ND <31	64 ± 11	
Selenium	3 ± 1	3 ± 1	4 ± 1	ND <2	
Silver	ND <28	ND <28	ND <29	ND <29	
Thallium	—	—	—	—	
Tin	ND <48	ND <48	ND <49	ND <29	
Zinc	12 ± 3	ND <11	17 ± 4	26 ± 4	

Deep Sample: B Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND <54	ND <53	ND <55	ND <57	
Arsenic	7 ± 2	7 ± 2	6 ± 1	6 ± 2	
Barium	341 ± 76	239 ± 71	352 ± 75	321 ± 80	
Cadmium	ND <30	ND <30	ND <31	ND <32	
Chromium	ND <78	ND <79	ND <80	ND <86	
Copper	978 ± 16	941 ± 15	1180 ± 18	967 ± 17	
Lead	7 ± 2	9 ± 2	ND <6	7 ± 2	
Mercury	ND <7	ND <7	ND <7	ND <8	
Nickel	35 ± 10	34 ± 10	ND <31	ND <32	
Selenium	7 ± 1	6 ± 1	ND <31	3 ± 1	
Silver	ND <29	ND <28	ND <30	30 ± 10	
Thallium	—	—	—	—	
Tin	ND <29	ND <29	ND <50	ND <52	
Zinc	14 ± 4	18 <4	17 ± 4	15 ± 4	

Brown and Caldwell Signature [signature] **Date** 5-20-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-12 Date: 5-20-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 53	ND < 53	ND < 52	ND < 52	
Arsenic	7 ± 2	10 ± 2	7 ± 1	7 ± 1	
Barium	325 ± 73	ND < 212	275 ± 68	ND < 200	
Cadmium	ND < 30	ND < 29	ND < 29	ND < 29	
Chromium	ND < 76	ND < 76	ND < 73	ND < 74	
Copper	1086 ± 17	1024 ± 16	939 ± 15	1034 ± 16	
Lead	9 ± 2	ND < 6	7 ± 2	9 ± 2	
Mercury	ND < 7	ND < 7	ND < 7	ND < 7	
Nickel	ND < 29	ND < 29	ND < 28	ND < 28	
Selenium	3 ± 1	4 ± 1	4 ± 1	5 ± 1	
Silver	ND < 29	ND < 28	ND < 27	ND < 27	
Thallium	—	—	—	—	
Tin	ND < 49	ND < 48	ND < 47	ND < 47	
Zinc	ND < 12	ND < 12	ND < 11	16 < 4	

Deep Sample: B Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 52	ND < 51	ND < 53	ND < 52	
Arsenic	ND < 4	7 ± 2	7 ± 2	6 ± 1	
Barium	281 ± 71	213 ± 70	279 ± 72	256 ± 71	
Cadmium	ND < 29	ND < 29	ND < 30	ND < 29	
Chromium	ND < 74	ND < 73	ND < 79	ND < 77	
Copper	985 ± 16	909 ± 15	994 ± 16	986 ± 16	
Lead	9 ± 2	8 ± 2	ND < 6	ND < 6	
Mercury	ND < 7	ND < 7	ND < 7	ND < 7	
Nickel	ND < 29	ND < 28	37 ± 10	49 ± 10	
Selenium	5 ± 1	4 ± 1	7 ± 1	5 ± 1	
Silver	ND < 28	ND < 28	ND < 28	ND < 28	
Thallium	—	—	—	—	
Tin	ND < 48	ND < 47	ND < 48	ND < 47	
Zinc	19 ± 4	21 ± 4	ND < 12	21 < 4	

Brown and Caldwell Signature [signature] **Date** 5-20-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-13 Date: 5-20-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<57	ND<53	ND<54	ND<54	
Arsenic	6 ± 2	8 ± 2	5 ± 2	8 ± 2	
Barium	250 ± 77	301 ± 75	389 ± 80	366 ± 76	
Cadmium	ND<32	ND<29	ND<30	ND<30	
Chromium	ND<81	ND<79	ND<85	ND<81	
Copper	1041 ± 17	1157 ± 17	1242 ± 18	1098 ± 17	
Lead	7 ± 2	7 ± 2	8 ± 2	13 ± 2	
Mercury	ND<8	9 ± 3	ND<8	ND<8	
Nickel	ND<30	46 ± 10	49<11	ND<30	
Selenium	4 ± 1	ND<2	5 ± 1	3 ± 1	
Silver	ND<30	ND<28	ND<29	ND<29	
Thallium	—	—	—	—	
Tin	ND<52	ND<48	ND<50	ND<49	
Zinc	23 ± 4	22 ± 4	20 ± 4	23 ± 4	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<52	ND<51	ND<51	ND<52	
Arsenic	7 ± 1	5 ± 1	6 ± 1	5 ± 1	
Barium	ND<196	203 ± 65	ND<192	320 ± 67	
Cadmium	ND<29	ND<28	ND<28	ND<29	
Chromium	ND<73	ND<68	ND<73	ND<70	
Copper	1253 ± 18	1168 ± 17	1187 ± 17	1275 ± 18	
Lead	ND<6	ND<6	ND<6	ND<6	
Mercury	ND<7	ND<7	ND<7	ND<7	
Nickel	31 ± 9	ND<27	ND<28	39 ± 10	
Selenium	4 ± 1	3 ± 1	4 ± 1	5 ± 1	
Silver	ND<28	ND<27	ND<27	ND<28	
Thallium	—	—	—	—	
Tin	ND<47	66 ± 15	ND<46	ND<47	
Zinc	19 ± 4	ND<12	ND<12	ND<12	

Brown and Caldwell Signature [signature] **Date** 5-20-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-14 Date: 5-20-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 55	ND < 52	ND < 52	ND < 52	
Arsenic	5 ± 2	6 ± 2	7 ± 2	6 ± 1	
Barium	348 ± 74	311 ± 69	290 ± 69	273 ± 68	
Cadmium	ND < 30	ND < 29	ND < 29	ND < 29	
Chromium	ND < 78	ND < 72	ND < 72	ND < 71	
Copper	871 ± 15	842 ± 14	850 ± 14	817 ± 14	
Lead	9 ± 2	11 ± 2	11 ± 2	7 ± 2	
Mercury	ND < 7	ND < 7	ND < 7	10 ± 2	
Nickel	ND < 29	ND < 28	ND < 28	ND < 28	
Selenium	ND < 2	ND < 2	ND < 2	ND < 2	
Silver	ND < 29	ND < 28	ND < 28	ND < 27	
Thallium	—	—	—	—	
Tin	ND < 50	ND < 47	ND < 47	ND < 47	
Zinc	15 ± 4	15 ± 4	23 ± 4	22 ± 4	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 54	ND < 56	ND < 54	ND < 54	
Arsenic	10 ± 2	11 ± 2	11 ± 2	11 ± 2	
Barium	333 ± 75	233 ± 75	226 ± 72	283 ± 73	
Cadmium	ND < 30	ND < 31	ND < 30	ND < 30	
Chromium	ND < 80	ND < 82	ND < 76	ND < 76	
Copper	1385 ± 19	1452 ± 21	1339 ± 19	1338 ± 19	
Lead	10 ± 2	10 ± 2	8 ± 2	7 ± 2	
Mercury	ND < 7	ND < 8	ND < 7	ND < 8	
Nickel	ND < 29	ND < 30	ND < 29	44 ± 10	
Selenium	3 ± 1	ND < 3	3 ± 1	3 ± 1	
Silver	ND < 29	ND < 30	ND < 29	ND < 29	
Thallium	—	—	—	—	
Tin	ND < 49	ND < 51	ND < 49	ND < 49	
Zinc	15 ± 4	21 ± 5	19 ± 5	19 ± 4	

Brown and Caldwell Signature [signature] **Date** 5-20-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT- XRF - 15 Date: 5-20-10

XRF Run Time (sec): 120 sec

Shallow Sample: C Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 51	ND < 50	ND < 50	ND < 50	
Arsenic	17 ± 2	15 ± 2	13 ± 2	14 ± 2	
Barium	ND < 193	328 ± 66	261 ± 65	ND < 194	
Cadmium	ND < 28	ND < 28	ND < 28	ND < 28	
Chromium	ND < 70	ND < 70	ND < 68	ND < 70	
Copper	823 ± 14	818 ± 14	833 ± 13	913 ± 14	
Lead	15 ± 2	11 ± 2	13 ± 2	9 ± 2	
Mercury	9 ± 2	ND < 7	ND < 7	ND < 7	
Nickel	ND < 27	ND < 27	ND < 27	ND < 27	
Selenium	4 ± 1	5 ± 1	3 ± 1	5 ± 1	
Silver	ND < 27	ND < 27	ND < 26	ND < 27	
Thallium	—	—	—	—	
Tin	ND < 47	ND < 46	49 ± 15	ND < 46	
Zinc	21 ± 4	17 ± 4	16 ± 4	13 ± 4	

Deep Sample: Read Time: Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony					
Arsenic					
Barium					
Cadmium					
Chromium					
Copper					
Lead					
Mercury					
Nickel					
Selenium					
Silver					
Thallium					
Tin					
Zinc					

Brown and Caldwell Signature [signature] **Date** 5-20-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-15 Date: 5-20-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 51	ND < 52	ND < 51	ND < 51	
Arsenic	7 ± 1	11 ± 2	8 ± 1	7 ± 1	
Barium	ND < 193	269 ± 70	ND < 196	ND < 193	
Cadmium	ND < 28	ND < 29	ND < 29	ND < 28	
Chromium	ND < 68	ND < 72	ND < 74	ND < 71	
Copper	1161 ± 17	1217 ± 18	1143 ± 17	1147 ± 16	
Lead	6 ± 2	7 ± 2	ND < 6	7 ± 2	
Mercury	7 ± 2	8 ± 2	8 ± 2	ND < 7	
Nickel	ND < 28	ND < 29	ND < 28	ND < 28	
Selenium	4 ± 1	4 ± 1	ND < 2	4 ± 1	
Silver	ND < 27	ND < 28	ND < 27	ND < 27	
Thallium	—	—	—	—	
Tin	ND < 46	ND < 47	ND < 47	ND < 46	
Zinc	13 ± 4	17 ± 4	12 ± 4	ND < 12	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 53	ND < 53	ND < 54	ND < 54	
Arsenic	7 ± 2	7 ± 2	5 ± 2	10 ± 2	
Barium	251 ± 74	239 ± 72	439 ± 77	ND < 222	
Cadmium	ND < 30	ND < 29	ND < 30	ND < 30	
Chromium	ND < 80	ND < 79	ND < 78	ND < 82	
Copper	949 ± 16	921 ± 15	869 ± 15	938 ± 16	
Lead	10 ± 2	8 ± 2	8 ± 2	ND < 6	
Mercury	ND < 7	ND < 7	ND < 7	ND < 7	
Nickel	52 ± 10	31 ± 10	68 ± 11	54 ± 11	
Selenium	6 ± 1	4 ± 1	5 ± 1	5 ± 1	
Silver	ND < 29	ND < 28	ND < 29	ND < 29	
Thallium	—	—	—	—	
Tin	ND < 49	ND < 48	ND < 49	ND < 49	
Zinc	19 ± 4	20 ± 4	18 ± 4	16 ± 4	

Brown and Caldwell Signature [signature] **Date** 5-20-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-16 Date: 5-20-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<55	ND<53	ND<53	ND<53	
Arsenic	ND<5	6±2	8±2	ND<5	
Barium	343±79	421±76	289±75	364±76	
Cadmium	ND<30	ND<30	ND<29	ND<30	
Chromium	ND<81	ND<79	ND<82	ND<79	
Copper	1799±23	1693±21	1793±22	1798±22	
Lead	7±2	6±2	ND<6	9±2	
Mercury	ND<7	ND<7	ND<7	ND<8	
Nickel	ND<31	ND<29	ND<30	40±10	
Selenium	6±1	4±1	4±1	4±1	
Silver	ND<29	ND<28	ND<28	ND<28	
Thallium	—	—	—	—	
Tin	ND<49	ND<49	ND<48	ND<49	
Zinc	ND<15	ND<14	15±5	ND<14	

Deep Sample: B Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND<55	ND<54	ND<54	ND<54	
Arsenic	7±2	ND<5	7±2	5±2	
Barium	ND<238	410±80	334±79	229±75	
Cadmium	ND<31	ND<30	ND<30	ND<30	
Chromium	ND<82	ND<82	ND<83	ND<82	
Copper	1475±20	1617±21	1527±21	1427±20	
Lead	ND<6	8±2	8±2	8±2	
Mercury	ND<7	ND<8	9±3	ND<7	
Nickel	ND<31	41±11	ND<31	ND<31	
Selenium	3±1	4±1	5±1	4±1	
Silver	ND<29	34±10	ND<29	ND<29	
Thallium	—	—	—	—	
Tin.	ND<50	ND<49	ND<49	ND<49	
Zinc	16±5	17±5	22±5	ND<13	

Brown and Caldwell Signature [signature] **Date** 5-20-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-17 Date: 5-20-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 53	ND < 53	ND < 54	ND < 56	
Arsenic	5 ± 2	6 ± 2	6 ± 2	ND < 5	
Barium	323 ± 74	279 ± 73	ND < 221	298 ± 76	
Cadmium	ND < 29	ND < 29	ND < 30	ND < 31	
Chromium	ND < 78	ND < 77	ND < 78	ND < 80	
Copper	1749 ± 22	1777 ± 22	1785 ± 22	1615 ± 22	
Lead	12 ± 2	11 ± 2	11 ± 2	9 ± 2	
Mercury	ND < 7	ND < 7	ND < 7	ND < 8	
Nickel	ND < 29	36 ± 10	47 ± 10	ND < 31	
Selenium	5 ± 1	4 ± 1	6 ± 1	6 ± 1	
Silver	ND < 28	ND < 28	ND < 29	ND < 30	
Thallium	—	—	—	—	
Tin	ND < 48	ND < 48	ND < 49	ND < 51	
Zinc	16 < 5	ND < 14	17 ± 5	ND < 15	

Deep Sample: B Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 58	ND < 56	ND < 55	ND < 56	
Arsenic	6 ± 2	ND < 5	6 ± 2	6 ± 2	
Barium	268 ± 77	ND < 227	279 ± 75	232 ± 74	
Cadmium	ND < 32	ND < 31	ND < 30	ND < 31	
Chromium	ND < 84	ND < 81	ND < 79	ND < 81	
Copper	1150 ± 19	1393 ± 20	1404 ± 20	1133 ± 18	
Lead	6 ± 2	10 ± 2	8 ± 2	ND < 6	
Mercury	ND < 7	ND < 7	ND < 7	ND < 7	
Nickel	ND < 31	36 ± 11	ND < 31	ND < 31	
Selenium	ND < 3	3 ± 1	3 ± 1	ND < 3	
Silver	ND < 31	ND < 30	ND < 29	ND < 30	
Thallium	—	—	—	—	
Tin	ND < 53	ND < 51	ND < 50	ND < 51	
Zinc	ND < 13	20 ± 5	ND < 13	ND < 13	

Brown and Caldwell Signature [signature] **Date** 5-20-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-18 Date: 5-20-10

XRF Run Time (sec): 120 Sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 57	ND < 53	ND < 54	ND < 54	
Arsenic	ND < 5	8 ± 2	ND < 5	7 ± 2	
Barium	474 ± 84	313 ± 78	282 ± 78	ND < 236	
Cadmium	ND < 31	ND < 29	ND < 36	ND < 30	
Chromium	ND < 85	ND < 82	ND < 87	ND < 84	
Copper	2311 ± 28	2469 ± 27	2503 ± 28	2465 ± 28	
Lead	10 ± 2	ND < 6	9 ± 2	ND < 6	
Mercury	ND < 8	ND < 7	ND < 8	ND < 7	
Nickel	35 ± 11	33 ± 11	44 ± 11	ND < 31	
Selenium	7 ± 1	7 ± 1	7 ± 1	12 ± 1	
Silver	ND < 30	ND < 28	ND < 29	ND < 29	
Thallium	—	—	—	—	
Tin	ND < 51	ND < 48	ND < 49	ND < 49	
Zinc	17 ± 6	ND < 16	ND < 16	ND < 16	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 56	ND < 57	ND < 57	ND < 54	
Arsenic	5 ± 2	ND < 5	ND < 5	6 ± 2	
Barium	ND < 234	382 ± 84	350 ± 83	374 ± 80	
Cadmium	ND < 31	ND < 32	ND < 32	ND < 30	
Chromium	ND < 88	ND < 36	150 ± 32	ND < 81	
Copper	1643 ± 22	1557 ± 22	1571 ± 22	1803 ± 23	
Lead	9 ± 2	10 ± 2	12 ± 2	9 ± 2	
Mercury	ND < 7	ND < 8	ND < 7	ND < 7	
Nickel	ND < 32	ND < 33	41 ± 11	ND < 32	
Selenium	3 ± 1	6 ± 1	5 ± 1	4 ± 1	
Silver	ND < 30	ND < 31	ND < 31	ND < 29	
Thallium	—	—	—	—	
Tin	ND < 51	ND < 52	ND < 52	ND < 49	
Zinc	17 ± 5	16 ± 5	18 ± 5	17 ± 5	

Brown and Caldwell Signature [signature] **Date** 5-20-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-19B Date: 5-20-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 58	ND < 56	ND < 56	ND < 55	
Arsenic	ND < 5	ND < 5	ND < 5	ND < 4	
Barium	371 ± 86	ND < 223	321 ± 81	284 ± 77	
Cadmium	ND < 33	ND < 31	ND < 31	ND < 30	
Chromium	ND < 88	ND < 79	ND < 32	ND < 80	
Copper	1317 ± 20	1268 ± 19	1365 ± 20	1390 ± 20	
Lead	ND < 7	7 ± 2	10 ± 2	8 ± 2	
Mercury	ND < 8	ND < 7	8 ± 3	ND < 7	
Nickel	50 ± 11	ND < 30	ND < 32	ND < 30	
Selenium	5 ± 1	ND < 2	ND < 3	4 ± 1	
Silver	ND < 31	ND < 30	ND < 30	ND < 29	
Thallium	—	—	—	—	
Tin	ND < 53	ND < 51	ND < 51	ND < 50	
Zinc	25 ± 5	17 ± 4	25 ± 5	24 ± 5	

Deep Sample: B Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 53	ND < 52	ND < 52	ND < 54	
Arsenic	8 ± 1	ND < 4	ND < 4	ND < 5	
Barium	ND < 194	ND < 196	259 ± 67	305 ± 73	
Cadmium	ND < 29	ND < 29	ND < 29	ND < 30	
Chromium	ND < 66	ND < 68	ND < 70	ND < 74	
Copper	1132 ± 17	988 ± 16	1016 < 16	1166 ± 17	
Lead	ND < 6	7 ± 2	11 ± 2	10 ± 2	
Mercury	ND < 7	ND < 7	ND < 7	ND < 7	
Nickel	ND < 28	ND < 27	ND < 28	ND < 30	
Selenium	ND < 2	ND < 2	ND < 2	ND < 2	
Silver	ND < 28	ND < 28	ND < 28	ND < 29	
Thallium	—	—	—	—	
Tin	ND < 48	ND < 47	ND < 47	ND < 49	
Zinc	14 < 4	19 ± 4	18 ± 4	20 ± 4	

Brown and Caldwell Signature [signature] **Date** 5-20-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-20 Date: 5-19-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 52	ND < 53	ND < 51	ND < 51	
Arsenic	9 ± 2	11 ± 2	7 ± 2	10 ± 2	
Barium	410 ± 73	258 ± 73	267 ± 69	365 ± 72	
Cadmium	ND < 29	ND < 30	ND < 28	ND < 28	
Chromium	ND < 77	ND < 77	ND < 72	ND < 76	
Copper	2172 ± 24	1883 ± 23	2199 ± 24	2252 ± 25	
Lead	10 ± 2	8 ± 2	10 ± 2	12 ± 2	
Mercury	ND < 7	ND < 7	ND < 7	ND < 7	
Nickel	ND < 29	ND < 29	ND < 28	ND < 28	
Selenium	5 ± 1	4 ± 1	5 ± 1	5 ± 1	
Silver	ND < 28	ND < 28	ND < 27	ND < 27	
Thallium	—	—	—	—	
Tin	ND < 47	ND < 48	ND < 46	ND < 46	
Zinc	21 ± 5	ND < 14	25 ± 5	17 ± 5	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 52	ND < 52	ND < 47	ND < 53	
Arsenic	6 ± 1	10 ± 1	5 ± 1	9 ± 2	
Barium	205 ± 68	288 ± 68	276 ± 68	ND < 207	
Cadmium	ND < 29	ND < 29	ND < 29	ND < 29	
Chromium	ND < 69	ND < 71	ND < 72	110 ± 27	
Copper	1260 ± 18	1312 ± 18	1289 ± 18	1344 ± 19	
Lead	8 ± 2	ND < 6	9 ± 2	10 ± 2	
Mercury	ND < 7	ND < 7	ND < 7	ND < 7	
Nickel	ND < 27	ND < 28	ND < 27	45 ± 10	
Selenium	3 ± 1	4 ± 1	ND < 2	10 ± 1	
Silver	ND < 28	ND < 28	ND < 28	ND < 28	
Thallium	—	—	—	—	
Tin	ND < 47	ND < 47	ND < 47	ND < 48	
Zinc	14 ± 4	15 ± 4	17 ± 4	14 ± 4	

Brown and Caldwell Signature [signature] **Date** 5-19-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-21 Date: 5-19-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 54	ND < 55	ND < 56	ND < 60	
Arsenic	16 ± 2	10 ± 2	8 ± 2	12 ± 2	
Barium	239 ± 77	340 ± 83	334 ± 85	303 ± 92	
Cadmium	36 ± 10	ND < 31	ND < 32	ND < 33	
Chromium	ND ± 83	ND < 90	ND < 89	ND < 97	
Copper	1307 ± 19	1242 ± 19	1309 ± 20	1377 ± 21	
Lead	ND < 6	7 ± 2	10 ± 20	9 ± 2	
Mercury	ND < 7	ND < 8	ND < 8	ND < 9	
Nickel	ND < 32	ND < 33	ND < 33	ND < 36	
Selenium	6 ± 1	6 ± 1	5 ± 1	5 ± 1	
Silver	ND < 29	ND < 30	ND < 31	42 ± 11	
Thallium	—	—	—	—	
Tin	ND < 49	ND < 50	ND < 52	ND < 54	
Zinc	18 ± 4	ND < 13	14 ± 5	ND < 15	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 57	ND < 63	ND < 53	ND < 59	
Arsenic	15 ± 2	13 ± 2	8 ± 2	12 ± 2	
Barium	465 ± 88	ND < 271	359 ± 75	517 ± 87	
Cadmium	ND < 32	ND < 35	ND < 29	ND < 33	
Chromium	ND < 90	ND < 98	ND < 82	ND < 92	
Copper	1652 ± 23	1424 < 23	1418 ± 19	1332 ± 21	
Lead	ND < 7	ND < 7	10 ± 2	ND < 7	
Mercury	ND < 8	ND < 8	ND < 7	ND < 7	
Nickel	36 ± 12	ND < 36	54 ± 10	ND < 34	
Selenium	7 ± 1	5 ± 1	5 ± 1	3 ± 1	
Silver	ND < 30	ND < 34	50 ± 9	ND < 31	
Thallium	—	—	—	—	
Tin	ND < 51	ND < 57	ND < 48	ND < 53	
Zinc	17 ± 5	ND < 16	15 ± 4	ND < 14	

Brown and Caldwell Signature [signature] **Date** 5-19-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-22 Date: 5-19-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 53	ND < 58	ND < 53	ND < 52	
Arsenic	12 ± 2	8 ± 2	9 ± 2	11 ± 2	
Barium	278 ± 71	ND < 222	287 ± 72	284 ± 72	
Cadmium	ND < 30	ND < 32	ND < 29	ND < 29	
Chromium	ND < 76	ND < 81	ND < 77	ND < 79	
Copper	1485 ± 20	1392 ± 21	1604 ± 21	1599 ± 20	
Lead	ND < 6	ND < 7	11 ± 2	ND < 6	
Mercury	ND < 7	ND < 8	ND < 7	ND < 7	
Nickel	ND < 29	ND < 32	34 ± 10	ND < 30	
Selenium	3 ± 1	3 ± 1	3 ± 1	3 ± 1	
Silver	ND < 28	ND < 31	ND < 28	ND < 28	
Thallium	—	—	—	—	
Tin	ND < 48	ND < 53	ND < 48	ND < 47	
Zinc	ND < 13	ND < 14	18 ± 5	ND < 13	

Deep Sample: B Read Time: 120 Sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 54	ND < 54	ND < 56	ND < 57	
Arsenic	7 ± 1	9 ± 2	13 ± 2	10 ± 2	
Barium	359 ± 73	295 ± 71	316 ± 75	ND < 226	
Cadmium	33 ± 10	ND < 30	ND < 31	ND < 32	
Chromium	ND < 77	ND < 77	ND < 81	ND < 80	
Copper	1352 ± 19	1606 ± 21	1715 ± 22	1781 ± 24	
Lead	6 ± 2	ND < 6	6 ± 2	ND < 6	
Mercury	ND < 7	ND < 7	ND < 8	ND < 8	
Nickel	41 ± 10	38 ± 10	33 ± 10	ND < 32	
Selenium	3 ± 1	ND < 3	3 ± 1	3 ± 1	
Silver	ND < 28	ND < ~~29~~ 29	34 ± 10	ND < 31	
Thallium	—	—	—	—	
Tin	ND < 49	ND < 49	ND < 51	ND < 52	
Zinc	ND < 13	17 ± 5	ND < 14	ND < 15	

Brown and Caldwell Signature [signature] **Date** 5-19-16

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT - XRF- 23 Date: 5 - 19-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < 59	ND < 57	ND < 55	ND < 56	
Arsenic	ND < 5	6 ± 2	ND < 5	6 ± 2	
Barium	255 ± 85	277 ± 81	316 ± 78	276 ± 82	
Cadmium	ND < 32	ND < 31	ND < 30	ND < 31	
Chromium	ND < 88	ND < 90	ND < 34	ND < 89	
Copper	1204 ± 19	1366 ± 20	1114 ± 17	1318 ± 19	
Lead	7 ± 2	9 ± 2	9 ± 2	8 ± 2	
Mercury	ND < 8	ND < 8	ND < 8	ND < 7	
Nickel	43 ± 11	ND < 32	34 ± 10	ND < 32	
Selenium	ND < 2	4 ± 1	3 ± 1	ND < 3	
Silver	ND < 31	ND < 30	ND < 29	ND < 30	
Thallium	—	—	—	—	
Tin	ND < 53	ND < 51	ND < 50	ND < 51	
Zinc	16 ± 5	22 ± 5	ND < 12	24 ± 5	

Deep Sample: B Read Time: 120 sec Analyte* (ppm)	Reading 1 CH	Reading 2	Reading 3	Reading 4	Average
Antimony	ND < ~~143~~ 55	ND < 54	ND < 55	ND < 53	
Arsenic	11 ± 2	ND < 5	5 ± 2	6 ± 2	
Barium	395 ± 88	340 ± 78	234 ± 75	240 ± 76	
Cadmium	ND < 30	ND < 30	ND < 31	ND < 29	
Chromium	ND < 88	ND < 84	ND < 81	ND < 78	
Copper	2022 ± 25	1959 ± 24	1694 ± 22	1916 ± 23	
Lead	23 ± 2	10 ± 2	8 ± 2	8 ± 2	
Mercury	ND < 7	ND < 8	ND < 7	ND < 7	
Nickel	56 ± 11	64 ± 11	ND < 31	41 ± 10	
Selenium	8 ± 1	ND < 2	ND < 3	ND < 2	
Silver	ND < 29	ND < 29	ND < 30	ND < 28	
Thallium	—	—	—	—	
Tin	ND < 50	ND < 49	ND < 51	ND < 48	
Zinc	20 ± 5	20 ± 5	19 ± 5	26 ± 5	

Brown and Caldwell Signature [signature] **Date** 5-19-10

EX-SITU XRF DATA FORM

VLT XRF CHARACTERIZATION
YERINGTON MINE SITE

SAMPLE LOCATION: VLT-XRF-24 Date: 5-19-10

XRF Run Time (sec): 120 sec

Shallow Sample: A Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND <52	ND <55	ND <55	ND <56	
Arsenic	12 ± 2	11 ± 2	16 ± 2	20 ± 2	
Barium	359 ± 74	349 ± 77	345 ± 77	293 ± 81	
Cadmium	ND <29	ND <30	ND <30	ND <31	
Chromium	ND <79	ND <83	ND <78	ND <87	
Copper	1855 ± 22	1750 ± 23	1839 ± 23	2040 ± 25	
Lead	8 ± 2	9 ± 2	ND <6	ND <6	
Mercury	ND <7	ND <7	ND <7	ND <7	
Nickel	ND <30	50 ± 11	ND <31	ND <34	
Selenium	5 ± 1	3 ± 1	5 ± 1	6 ± 1	
Silver	ND <28	ND <29	ND <29	ND <30	
Thallium	—	—	—	—	
Tin	ND <47	ND <50	ND <49	ND <50	
Zinc	ND <14	ND <14	20 ± 5	ND <16	

Deep Sample: B Read Time: 120 sec Analyte* (ppm)	Reading 1	Reading 2	Reading 3	Reading 4	Average
Antimony	ND <55	ND <53	ND <52	ND <53	
Arsenic	10 ± 2	9 ± 2	13 ± 1	12 ± 2	
Barium	248 ± 72	267 ± 71	332 ± 71	332 ± 73	
Cadmium	ND <30	ND <29	ND <29	ND <30	
Chromium	ND <79	ND <75	ND <74	ND <78	
Copper	1059 ± 17	1305 ± 18	1317 ± 18	1323 ± 19	
Lead	ND <6	7 ± 2	ND <5	8 ± 2	
Mercury	ND <7	ND <7	8 ± 2	8 ± 3	
Nickel	ND <29	ND <29	ND <29	ND <30	
Selenium	3 ± 1	ND <2	ND <2	4 ± 1	
Silver	ND <29	ND <28	ND <27	ND <29	
Thallium	—	—	—	—	
Tin	ND <50	ND <48	ND <47	ND <49	
Zinc	18 ± 4	ND <12	14 ± 4	14 ± 4	

Brown and Caldwell Signature [signature] **Date** 5-19-10