

CAS-KELSO METALS ANALYSES						
Method	Prep Method	Matrix	Analyte	LCS Accuracy (% Rec.)	Matrix Spike (% Rec.)	Precision (RPD)
200.7 (ICP)	Method	Soil	Aluminum	85-115	70-130	30
200.7 (ICP)	Method	Soil	Antimony	85-115	70-130	30
200.7 (ICP)	Method	Soil	Barium	85-115	70-130	30
200.7 (ICP)	Method	Soil	Beryllium	85-115	70-130	30
200.7 (ICP)	Method	Soil	Boron	85-115	70-130	30
200.7 (ICP)	Method	Soil	Cadmium	85-115	70-130	30
200.7 (ICP)	Method	Soil	Calcium	85-115	70-130	30
200.7 (ICP)	Method	Soil	Chromium	85-115	70-130	30
200.7 (ICP)	Method	Soil	Cobalt	85-115	70-130	30
200.7 (ICP)	Method	Soil	Copper	85-115	70-130	30
200.7 (ICP)	Method	Soil	Iron	85-115	70-130	30
200.7 (ICP)	Method	Soil	Lead	85-115	70-130	30
200.7 (ICP)	Method	Soil	Magnesium	85-115	70-130	30
200.7 (ICP)	Method	Soil	Manganese	85-115	70-130	30
200.7 (ICP)	Method	Soil	Molybdenum	85-115	70-130	30
200.7 (ICP)	Method	Soil	Nickel	85-115	70-130	30
200.7 (ICP)	Method	Soil	Potassium	85-115	70-130	30
200.7 (ICP)	Method	Soil	Silver	85-115	70-130	30
200.7 (ICP)	Method	Soil	Sodium	85-115	70-130	30
200.7 (ICP)	Method	Soil	Tin	85-115	70-130	30
200.7 (ICP)	Method	Soil	Vanadium	85-115	70-130	30
200.7 (ICP)	Method	Soil	Zinc	85-115	70-130	30
200.7 (ICP)	Method	Water	Aluminum	85-115	70-130	20
200.7 (ICP)	Method	Water	Antimony	85-115	70-130	20
200.7 (ICP)	Method	Water	Barium	85-115	70-130	20
200.7 (ICP)	Method	Water	Beryllium	85-115	70-130	20
200.7 (ICP)	Method	Water	Boron	85-115	70-130	20
200.7 (ICP)	Method	Water	Cadmium	85-115	70-130	20
200.7 (ICP)	Method	Water	Calcium	85-115	70-130	20
200.7 (ICP)	Method	Water	Chromium	85-115	70-130	20
200.7 (ICP)	Method	Water	Cobalt	85-115	70-130	20
200.7 (ICP)	Method	Water	Copper	85-115	70-130	20
200.7 (ICP)	Method	Water	Iron	85-115	70-130	20
200.7 (ICP)	Method	Water	Magnesium	85-115	70-130	20
200.7 (ICP)	Method	Water	Manganese	85-115	70-130	20
200.7 (ICP)	Method	Water	Molybdenum	85-115	70-130	20
200.7 (ICP)	Method	Water	Nickel	85-115	70-130	20
200.7 (ICP)	Method	Water	Potassium	85-115	70-130	20

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Method	Prep Method	Matrix	Analyte	LCS Accuracy (% Rec.)	Matrix Spike (% Rec.)	Precision (RPD)
200.7 (ICP)	Method	Water	Silver	85-115	70-130	20
200.7 (ICP)	Method	Water	Sodium	85-115	70-130	20
200.7 (ICP)	Method	Water	Tin	85-115	70-130	20
200.7 (ICP)	Method	Water	Vanadium	85-115	70-130	20
200.7 (ICP)	Method	Water	Zinc	85-115	70-130	20
200.8	Method	Soil/Sed.	Aluminum	85-115	70-130	30
200.8	Method	Soil/Sed.	Antimony	85-115	70-130	30
200.8	Method	Soil/Sed.	Arsenic	85-115	70-130	30
200.8	Method	Soil/Sed.	Barium	85-115	70-130	30
200.8	Method	Soil/Sed.	Beryllium	85-115	70-130	30
200.8	Method	Soil/Sed.	Cadmium	85-115	70-130	30
200.8	Method	Soil/Sed.	Chromium	85-115	70-130	30
200.8	Method	Soil/Sed.	Cobalt	85-115	70-130	30
200.8	Method	Soil/Sed.	Copper	85-115	70-130	30
200.8	Method	Soil/Sed.	Lead	85-115	70-130	30
200.8	Method	Soil/Sed.	Manganese	85-115	70-130	30
200.8	Method	Soil/Sed.	Molybdenum	85-115	70-130	30
200.8	Method	Soil/Sed.	Nickel	85-115	70-130	30
200.8	Method	Soil/Sed.	Selenium	85-115	70-130	30
200.8	Method	Soil/Sed.	Silver	85-115	70-130	30
200.8	Method	Soil/Sed.	Thallium	85-115	70-130	30
200.8	Method	Soil/Sed.	Vanadium	85-115	70-130	30
200.8	Method	Soil/Sed.	Zinc	85-115	70-130	30
200.8	Method	Water	Aluminum	85-115	70-130	20
200.8	Method	Water	Antimony	85-115	70-130	20
200.8	Method	Water	Arsenic	85-115	70-130	20
200.8	Method	Water	Barium	85-115	70-130	20
200.8	Method	Water	Beryllium	85-115	70-130	20
200.8	Method	Water	Cadmium	85-115	70-130	20
200.8	Method	Water	Chromium	85-115	70-130	20
200.8	Method	Water	Cobalt	85-115	70-130	20
200.8	Method	Water	Copper	85-115	70-130	20
200.8	Method	Water	Lead	85-115	70-130	20
200.8	Method	Water	Manganese	85-115	70-130	20
200.8	Method	Water	Molybdenum	85-115	70-130	20
200.8	Method	Water	Nickel	85-115	70-130	20
200.8	Method	Water	Selenium	85-115	70-130	20
200.8	Method	Water	Silver	85-115	70-130	20

CAS-KELSO METALS ANALYSES						
Method	Prep Method	Matrix	Analyte	LCS Accuracy (% Rec.)	Matrix Spike (% Rec.)	Precision (RPD)
200.8	Method	Water	Thallium	85-115	70-130	20
200.8	Method	Water	Vanadium	85-115	70-130	20
200.8	Method	Water	Zinc	85-115	70-130	20
200.8	Red.Precip.	Seawater	Arsenic	71-124	50-147	20
200.8	Red.Precip.	Seawater	Beryllium	39-114	50-123	20
200.8	Red.Precip.	Seawater	Cadmium	80-114	65-114	20
200.8	Red.Precip.	Seawater	Chromium	78-118	50-130	20
200.8	Red.Precip.	Seawater	Cobalt	80-112	50-151	20
200.8	Red.Precip.	Seawater	Copper	63-128	50-120	20
200.8	Red.Precip.	Seawater	Lead	82-113	55-118	20
200.8	Red.Precip.	Seawater	Nickel	88-112	60-126	20
200.8	Red.Precip.	Seawater	Silver	80-110	67-103	20
200.8	Red.Precip.	Seawater	Thallium	79-110	63-111	20
200.8	Red.Precip.	Seawater	Zinc	79-133	50-133	20
200.8	3050B	Tissue	Aluminum	85-115	70-130	30
200.8	3050B	Tissue	Antimony	85-115	70-130	30
200.8	3050B	Tissue	Arsenic	85-115	70-130	30
200.8	3050B	Tissue	Barium	85-115	70-130	30
200.8	3050B	Tissue	Beryllium	85-115	70-130	30
200.8	3050B	Tissue	Cadmium	85-115	70-130	30
200.8	3050B	Tissue	Cobalt	85-115	70-130	30
200.8	3050B	Tissue	Copper	85-115	70-130	30
200.8	3050B	Tissue	Lead	85-115	70-130	30
200.8	3050B	Tissue	Manganese	85-115	70-130	30
200.8	3050B	Tissue	Molybdenum	85-115	70-130	30
200.8	3050B	Tissue	Nickel	85-115	70-130	30
200.8	3050B	Tissue	Silver	85-115	70-130	30
200.8	3050B	Tissue	Thallium	85-115	70-130	30
200.8	3050B	Tissue	Vanadium	85-115	70-130	30
200.8	3050B	Tissue	Zinc	85-115	70-130	30
200.9	Method	Soil	Arsenic	85-115	70-130	30
200.9	Method	Soil	Lead	85-115	70-130	30
200.9	Method	Soil	Selenium	85-115	70-130	30
200.9	Method	Soil	Thallium	85-115	70-130	30
200.9	Method	Water	Arsenic	85-115	70-130	20
200.9	Method	Water	Lead	85-115	70-130	20
245.1	Method	Water	Mercury	85-115	70-131	20
1631	Method	Water	Mercury	77-123	71-125	24

CAS-KELSO METALS ANALYSES						
Method	Prep Method	Matrix	Analyte	LCS Accuracy (% Rec.)	Matrix Spike (% Rec.)	Precision (RPD)
200.9	Method	Water	Selenium	85-115	70-130	20
200.9	Method	Water	Thallium	85-115	70-130	20
6010B	3050B	Soil	Aluminum	63-148	10-215	30
6010B	3050B	Soil	Antimony	38-152	10-112	30
6010B	3050B	Soil	Arsenic	83-124	50-135	30
6010B	3050B	Soil	Barium	81-134	76-127	30
6010B	3050B	Soil	Beryllium	89-123	81-111	30
6010B	3050B	Soil	Boron	51-161	59-133	30
6010B	3050B	Soil	Cadmium	92-125	65-135	30
6010B	3050B	Soil	Calcium	75-136	75-125	30
6010B	3050B	Soil	Chromium	93-125	48-156	30
6010B	3050B	Soil	Cobalt	83-131	76-121	30
6010B	3050B	Soil	Copper	85-121	45-148	30
6010B	3050B	Soil	Iron	60-165	21-161	30
6010B	3050B	Soil	Lead	76-138	45-150	30
6010B	3050B	Soil	Magnesium	85-128	75-125	30
6010B	3050B	Soil	Manganese	87-129	37-167	30
6010B	3050B	Soil	Molybdenum	86-123	80-112	30
6010B	3050B	Soil	Nickel	92-125	72-126	30
6010B	3050B	Soil	Potassium	83-130	75-125	30
6010B	3050B	Soil	Selenium	67-159	67-125	30
6010B	3050B	Soil	Silver	89-120	48-141	30
6010B	3050B	Soil	Sodium	88-121	75-125	30
6010B	3050B	Soil	Thallium	32-187	22-160	30
6010B	3050B	Soil	Tin	Ref.	75-125	30
6010B	3050B	Soil	Vanadium	87-124	76-121	30
6010B	3050B	Soil	Zinc	89-125	31-160	30
6010B	CLP	Water	Aluminum	93-112	80-124	20
6010B	CLP	Water	Antimony	92-112	86-115	20
6010B	CLP	Water	Arsenic	92-113	79-121	20
6010B	CLP	Water	Barium	93-113	80-125	20
6010B	CLP	Water	Beryllium	92-113	88-114	20
6010B	CLP	Water	Boron	87-120	79-128	20
6010B	CLP	Water	Cadmium	94-115	71-143	20
6010B	CLP	Water	Calcium	93-112	75-125	20
6010B	CLP	Water	Chromium	94-114	89-117	20
6010B	CLP	Water	Cobalt	94-114	88-117	20

CAS-KELSO METALS ANALYSES						
Method	Prep Method	Matrix	Analyte	LCS Accuracy (% Rec.)	Matrix Spike (% Rec.)	Precision (RPD)
6010B	CLP	Water	Copper	92-112	88-117	20
6010B	CLP	Water	Iron	93-113	68-135	20
6010B	CLP	Water	Lead	93-114	75-130	20
6010B	CLP	Water	Magnesium	91-110	75-125	20
6010B	CLP	Water	Manganese	94-113	85-122	20
6010B	CLP	Water	Molybdenum	94-115	91-116	20
6010B	CLP	Water	Nickel	92-117	87-121	20
6010B	CLP	Water	Potassium	89-116	75-125	20
6010B	CLP	Water	Selenium	91-113	82-118	20
6010B	CLP	Water	Silver	93-110	79-119	20
6010B	CLP	Water	Sodium	93-116	75-125	20
6010B	CLP	Water	Thallium	88-120	62-128	20
6010B	CLP	Water	Tin	80-120	75-125	20
6010B	CLP	Water	Vanadium	93-111	89-116	20
6010B	CLP	Water	Zinc	94-111	88-113	20
6010B	3050B	Tissue	Chromium	CRM	70-130	30
6020	3050B	Soil/Sed.	Aluminum	Ref.	75-125	20
6020	3050B	Soil/Sed.	Antimony	35-158	10-107	20
6020	3050B	Soil/Sed.	Arsenic	74-126	56-136	20
6020	3050B	Soil/Sed.	Barium	78-147	55-176	20
6020	3050B	Soil/Sed.	Beryllium	78-147	66-134	20
6020	3050B	Soil/Sed.	Boron	Ref.	75-125	20
6020	3050B	Soil/Sed.	Cadmium	77-133	68-136	20
6020	3050B	Soil/Sed.	Chromium	71-137	33-180	20
6020	3050B	Soil/Sed.	Cobalt	91-132	78-120	20
6020	3050B	Soil/Sed.	Copper	69-144	28-174	20
6020	3050B	Soil/Sed.	Lead	75-138	31-178	20
6020	3050B	Soil/Sed.	Manganese	Ref.	75-125	20
6020	3050B	Soil/Sed.	Molybdenum	73-142	53-143	20
6020	3050B	Soil/Sed.	Nickel	78-140	62-134	20
6020	3050B	Soil/Sed.	Selenium	80-140	66-122	20
6020	3050B	Soil/Sed.	Silver	78-128	61-133	20
6020	3050B	Soil/Sed.	Thallium	75-123	74-130	20
6020	3050B	Soil/Sed.	Uranium	Ref.	75-125	20
6020	3050B	Soil/Sed.	Vanadium	74-143	60-155	20
6020	3050B	Soil/Sed.	Zinc	78-140	33-161	20

CAS-KELSO METALS ANALYSES						
Method	Prep Method	Matrix	Analyte	LCS Accuracy (% Rec.)	Matrix Spike (% Rec.)	Precision (RPD)
6020	CLP/3020A	Water	Aluminum	81-122	61-140	20
6020	CLP/3020A	Water	Antimony	90-111	59-135	20
6020	CLP/3020A	Water	Arsenic	88-112	74-126	20
6020	CLP/3020A	Water	Barium	92-110	84-120	20
6020	CLP/3020A	Water	Beryllium	79-124	66-128	20
6020	CLP/3020A	Water	Cadmium	90-111	84-113	20
6020	CLP/3020A	Water	Chromium	86-115	68-126	20
6020	CLP/3020A	Water	Cobalt	84-117	82-117	20
6020	CLP/3020A	Water	Copper	87-114	63-126	20
6020	CLP/3020A	Water	Lead	89-112	71-119	20
6020	CLP/3020A	Water	Manganese	84-120	69-134	20
6020	CLP/3020A	Water	Molybdenum	74-126	57-145	20
6020	CLP/3020A	Water	Nickel	87-114	74-119	20
6020	CLP/3020A	Water	Selenium	85-116	63-132	20
6020	CLP/3020A	Water	Silver	86-111	57-130	20
6020	CLP/3020A	Water	Thallium	87-114	68-125	20
6020	CLP/3020A	Water	Vanadium	83-116	76-124	20
6020	CLP/3020A	Water	Zinc	83-121	62-126	20
7000	3050B	Soil	Antimony	Ref.	75-125	20
7060A	3050B	Soil	Arsenic	76-126	45-135	30
7062	3050B	Soil	Arsenic	Ref.	75-125	20
7000	3050B	Soil	Copper	Ref.	75-125	20
7421	3050B	Soil	Lead	68-133	42-141	30
7471A	Method	Soil	Mercury	76-121	64-127	30
7740	3050B	Soil	Selenium	78-137	48-130	30
7742/SM 3114B	3050B	Soil	Selenium	62-147	64-131	20
7841	3050B	Soil	Thallium	Ref.	36-135	30
7000	CLP/3020A	Water	Antimony	75-124	56-123	20
7060A	CLP/3020A	Water	Arsenic	77-113	58-131	20
7062	CLP/3020A	Water	Arsenic	80-120	75-125	20
7000	CLP/3020A	Water	Copper	80-114	57-125	20
7421	CLP/3020A	Water	Lead	75-114	64-122	20
7470A	Method	Water	Mercury	84-117	78-122	20
7740	CLP/3020A	Water	Selenium	75-115	43-133	20
7742/SM 3114B	3010A	Water	Selenium	72-125	66-128	20
7841	CLP/3020A	Water	Thallium	87-115	53-132	20

CAS-KELSO METALS ANALYSES						
Method	Prep Method	Matrix	Analyte	LCS Accuracy (% Rec.)	Matrix Spike (% Rec.)	Precision (RPD)
7471A	Method	Tissue	Mercury	CRM	60-130	30
7740	3050B	Tissue	Selenium	CRM	60-130	30