Quantitative Analysis - Summary Report
Sample ID: 1911173-01
Sample De Well Scan
Aliquot Vol 1
Diluted To 5
Sample Da Thursday, November 21, 2019 10:41:23
Autosampl 38
Number of 3
Dual Detec Dual
Dead Time 55
Sample Fil C:\elandata\Sample\SIF 2019\111419 Metals.sam
Method File:
Dataset Fil C:\Elandata\DataSet\Data 2019\112119 Metals\1911173-01.016
Tuning File:
Optimizatic C:\elandata\Optimize\default.dac
Calibration External Calibration
Results

	Analyte	Mass	Blank Inter	Sample Int	Net Intens.	Intensity R	Concentrat	Report Uni	Analyte
|>	Sc	45	386108	391316.5	391316.5	1.02		mg/L	Sc
|	Cu	63	213.6	8973.23	0.022381	1.28	0.005767	mg/L	Cu
|	Cu	65	149.6	4377.05	0.0108	1.58	0.005821	mg/L	Cu
|-	Ga	69	410025.1	402971.1	-0.03205	0.64		mg/L	Ga
|-	As	75	28.27	224.8	0.000242	2.49	0.000433	mg/L	As
|	As-1 uncorrected	75	-119.2	204.42	0.000397	39.75	0.000358	mg/L	As-1
|	Se-STD	77	100.53	130.13	3.76E-05	17.22	0.000715	mg/L	Se-STD
|	Se	78	5673.58	5530.67	-0.00011	2.12	-0.00067	mg/L	Se
|	Se-R	82	-4.99	7.83	1.58E-05	32.83	0.000263	mg/L	Se-R
|	Kr	83	58.93 <100	55.2	-3.9E-06			mg/L	Kr
|	Kr	84	254.7	-206.85	-0.00057	46.74		mg/L	Kr
|>	Y	89	820715.3	812441.2	812441.2	1.05		mg/L	Y
|-	Rh	103	704334.4	678755.3	-0.02271	1.01		mg/L	Rh
	In	115	1751247	1723147	-28100.8	0.63		mg/L	In
|-	Pb	206	19.47	425.08	0.000247	3.88	0.000189	mg/L	Pb
|	Pb	207	16	365.87	0.000213	1.96	0.000181	mg/L	Pb
|	Pb	208	80.53	1672.33	0.000967	0.95	0.000182	mg/L	Pb
|	Bi	209	565433.9	544061.3	-0.0085	0.89		mg/L	Bi
|>	Th	232	1668440	1646750	1646750	1.25		mg/L	Th
|-	U	238	21.87	4946.15	0.002991	0.94	0.000677	mg/L	U
	C	13	5068.23	25636.14	20567.91	4.14		mg/L	C
	Na	23	5201.67	10601344	10596142	0.49		mg/L	Na
	S	34	192145.3	227615.4	35470.08	2.52		mg/L	S
	Cl	35	51478.85	64227.88	12749.02	10.93		mg/L	Cl
	P	31	5068.17	5601.94	533.7677	43.46		mg/L	P

QC Calculated Values

Mass	Analyte		Int Std % F	QC Std %	Spike % R	Duplicate Rel. % Difference
45	Sc	|>	101.349			
63	Cu	|				
65	Cu	|				
69	Ga	|-				
75	As	|-				
75	As-1	|				
77	Se-STD	|				
78	Se	|				
82	Se-R	|				
83	Kr	|				
84	Kr	|				
89	Y	|>	98.992			
103	Rh	|-				
115	In					
206	Pb	|-				
207	Pb	|				
208	Pb	|				
209	Bi	|				
232	Th	|>	98.7			
238	U	|-				
13	C					
23	Na					
34	S					
35	Cl					
31	P					

1) UNSURE OF WHAT CORRECTION FACTORS IN METHOD WERE APPLIED.

2) NO ADDITIONAL ANALYTES OF INTEREST WERE MONITORED FOR COMPARISON.

3) NO INTERFERENT ANALYTES WERE MONITORED

4) KR & Cl INTERFERE ON AS & SE, THUS AFFECTING THE INTERFERENCE EQUATIONS

5) BR-K AT MASS 82 POSITIVELY AFFECTS SE.

Quantitative Analysis - Summary Report
Sample ID: 1912085-01
Sample De As, P2P5
Aliquot Vol 1
Diluted To 5
Sample Da Thursday, December 12, 2019 14:40:30
Autosampl 40
Number of 3
Dual Detec Dual
Dead Time 55
Sample File C:\Elandata\Sample\SIF 2019\110419Hg.sam
Method File:
Dataset File C:\Elandata\DataSet\Data 2019\121219 Metals\1912085-01.012
Tuning File C:\Elandata\Tuning\default.tun
Optimizati C:\Elandata\Optimize\default.dac
Calibration External Calibration
Results

	Analyte	Mass	Blank Inter	Sample Int	Net Intens	Intensity R	Concentrat	Report Uni	Analyte
|-	Be	9	51.47	55.47	4E-07	12.93	8E-07	mg/L	Be
|>	Sc	45	185761.8	200076.3	200076.3	1.95		mg/L	Sc
|	Ni	60	67.73	851.24	0.003887	8.97	0.001931	mg/L	Ni
|	Ni	62	137.6	4675.6	0.022633	3.83	0.07199	mg/L	Ni
|	Cu	63	142.93	41753.57	0.207907	2.38	0.048108	mg/L	Cu
|	Cu	65	93.33	13841.73	0.068676	2.51	0.028252	mg/L	Cu
|-	Ga	69	274456.7	263254.9	-0.16174	1.94		mg/L	Ga
|-	As	75	66.67	351.74	0.000532	7.27	0.000846	mg/L	As
|	As-R	75	-82.06	1815.68	0.003493	6.64	0.002817	mg/L	As-R
|	Se-STD	77	139.73	222.67	0.000167	13.85	0.008348	mg/L	Se-STD
|	Se	78	4287.96	4185.78	0.000231	2.45	0.001543	mg/L	Se
|	Se-R	82	-0.95	599.71	0.001108	4.05	0.020451	mg/L	Se-R
|	Kr	83	87.2	109.07	0.000049	13.61		mg/L	Kr
|	Kr	84	-227.69	-285682	-0.52739	3.49		mg/L	Kr
|>	Y	89	572673.7	542006.7	542006.7	1.02		mg/L	Y
|	Mo	92	36.44	1200.11	0.002152	7.81		mg/L	Mo
|	Mo	95	42.67	1477.45	0.00265	10.45		mg/L	Mo
|	Mo	98	44.72	2095.68	0.003788	2.55	0.00296	mg/L	Mo
|	Ru	99	133.34	0	-0.00023			mg/L	Ru
|-	Ru	101	36	47.67	2.51E-05	4.37		mg/L	Ru
|>	Rh	103	462862.5	398720.9	398720.8	1.36		mg/L	Rh
|	Pd	105	4767.92	4784.6	0.001704	7.7		mg/L	Pd
|	Pd	106	468.79	431.47	6.66E-05	31.86		mg/L	Pd
|	Pd	108	16.76	56.29	0.000105	47.04		mg/L	Pd
|	Cd	111	46.67	53.33	3.28E-05	28.64	4.36E-05	mg/L	Cd
|	Cd-R	111	433.5	375.9	4.3E-06	32.24	2.9E-06	mg/L	Cd-R
|	Cd-M	114	-255.2	206.43	-3.3E-05	3.98	-1.8E-05	mg/L	Cd-M
|	In	115	5760143	1098458	-9.73296	1.73		mg/L	In
|	Sn	118	97.87	86.93	6.7E-06	13.47		mg/L	Sn
|	Sb-M	121	38.93	99.73	0.000166	7.28	6.44E-05	mg/L	Sb-M
|	Sb-R	123	30.62	69.07	0.000107	14.39	5.55E-05	mg/L	Sb-R
|-	Te	125	33.5	36.5	1.91E-05	13.7		mg/L	Te
|-	Tb	159	665400.3	615885.4	0.000318	1.27		mg/L	Tb
|	Tl-M	203	164.6	178.4	2.86E-05	7	2.48E-05	mg/L	Tl-M
|	Tl-R	205	402.23	446.83	8.24E-05	1.72	0.000029	mg/L	Tl-R
|	Pb	206	30.67	677.38	0.000936	4.4	0.000969	mg/L	Pb
|	Pb	207	24.8	740.56	0.000791	2.22	0.000915	mg/L	Pb
|	Pb	208	139.73	3477.86	0.003693	2.91	0.000949	mg/L	Pb
|	Bi	209	230828.8	180583	-0.03625	1.16		mg/L	Bi
|>	Th	232	980232	906857.9	906857.9	0.46		mg/L	Th
|-	U	238	20.27	25868.76	0.028504	1.45	0.006018	mg/L	U
	C	13	1600.15	44776.93	43176.78	5.98		mg/L	C
	Na	23	2933.84	1.66E+08	1.66E+08	8.81		mg/L	Na
	S	34	138516.6	26401959	26263442	3.04		mg/L	S
	Cl	35	30450.93	0	-30450.9			mg/L	Cl
	P	31	5868.59	0	-5868.59			mg/L	P

QC Calculated Values

Mass	Analyte		Int Std % R	QC Std % R	Spike % Re	Ouplicate Rel. % Difference
9	Be	|-				
45	Sc	|>	107.706			
60	Ni	|				
62	Ni	|				
63	Cu	|				
65	Cu	|				
69	Ga	|-				
75	As	|-				
75	As-R	|				
77	Se-STD	|				
78	Se	|				
82	Se-R	|				
83	Kr	|				
84	Kr	|				
89	Y	|>	94.645			
92	Mo	|				
95	Mo	|				
98	Mo	|				
99	Ru	|				
101	Ru	|-				
103	Rh	|>	86.142			
105	Pd	|				
106	Pd	|				
108	Pd	|				
111	Cd	|				
111	Cd-R	|				
114	Cd-M	|				
115	In	|				
118	Sn	|				
121	Sb-M	|				
123	Sb-R	|				
125	Te	|-				
159	Tb	|-				
203	Tl-M	|				
205	Tl-R	|				
206	Pb	|				
207	Pb	|				
208	Pb	|				
209	Bi	|				
232	Th	|>	92.515			
238	U	|-				
13	C					
23	Na					
34	S					
35	Cl					
31	P					

↑Na will affect Cu

Cu 63
RELATIVE ABUNDANCE
69%

Cu 65
Relative ABUNDANCE
31%

Meconium Data

As, Cd, Pb, U

Sample ID		As	Cd	Pb	U		Digest Weight		As	Cd	Pb	U	MDL
							grams		ug/g	ug/g	ug/g	ug/g	0.005 ug/g
High Standard Level		**10**	**10**	**10**	**10**								
		ppb	**ppb**	**ppb**	**ppb**								
1		0.33	0.016	0.007	0.043		1.037		**0.015911**	0.000771	0.000338	0.002073	
2		1.02	0.009	0.037	0.112		1.0356		**0.049247**	0.000435	0.001786	**0.005407**	
2 Dup		1.01	0.011	0.035	0.065	Instrument	1.0356		**0.048764**	0.000531	0.00169	**0.003138**	
3		1	0.011	0.04	0.053		1.1098		**0.045053**	0.000496	0.001802	0.002388	
4A		0.633	0.008	0.021	0.039		1.0814		**0.029268**	0.00037	0.000971	0.001803	
4B		0.655	0.008	0.017	0.031		1.0354		**0.03163**	0.000386	0.000821	0.001497	
5		0.63	0.007	0.045	0.027		1.0091		**0.031216**	0.000347	0.00223	0.001338	
6		0.589	0.005	0.038	0.027		1.0919		**0.026971**	0.000229	0.00174	0.001236	
7		0.578	0.01	0.03	0.026		1.1518		**0.025091**	0.000434	0.001302	0.001129	
8		1.042	0.009	0.053	0.019		1.1063		**0.047094**	0.000407	0.002395	0.000859	
9		0.785	0.006	0.012	0.002		1.0872		**0.036102**	0.000276	0.000552	0.000092	
10		0.639	0.004	0.053	0.019		1.0704		**0.029849**	0.000187	0.002476	0.000888	
11		0.799	0.017	0.09	0.085		0.9345		**0.04275**	0.00091	**0.004815**	0.004548	
11 Dup		0.813	0.013	0.091	0.024	Instrument	0.9345		**0.043499**	0.000696	**0.004869**	0.001284	
12		0.649	0.009	0.111	0.019		1.096		**0.029608**	0.000411	**0.005064**	0.000867	
13A		1.121	0.01	0.056	0.045		1.1773		**0.047609**	0.000425	**0.002378**	0.001911	
13B		0.999	0.01	0.051	0.019		1.143		**0.043701**	0.000437	0.002231	0.000831	
14		0.338	0.003	0.032	0.014		0.9229		**0.018312**	0.000163	0.001734	0.000758	
15		0.933	0.005	0.041	0.012		1.1247		**0.041478**	0.000222	0.001823	0.000533	
CCB-1		0.028	0.001	0.001	0.041								
CCB-2		0.046	0.003	0.002	0.01								
CCB-3		0.045	0.002	0.002	0.004								
Digest Blank		0.041	0.003	0.01	0.01								