

Semi-Quantitation Report - Detailed (Text Only)

File Name : 006SMPL.D  
 File Path : C:\ICPCHEM\1\DATA\0129HM08\  
 Method : C:\ICPCHEM\1\METHODS\Alleleme.M  
 Acq Time : Jan 29 2008 11:31 am  
 Sample Name : sample SL KJ  
 Sample Type : Sample  
 Comments : 1 :100  
 Prep Dilution : 1.00  
 Auto Dilution : Undiluted  
 Total Dilution : 1.00  
 Operator Name: Chudy, Strapac  
 Acq Mode : Spectrum  
 Bkg File : -----  
 Bkg Rejected Masses: -----  
 Interference Correction : OFF  
 IS Correction: OFF  
 IS File : -----  
 IS Element 1 : -----  
 IS Element 2 : -----  
 IS Element 3 : -----  
 IS Element 4 : -----  
 Blank File : -----

*0.2630g/25ml 1:100*

	Mass	Conc.	Counts (CPS)	Bkg count	Time(sec)	
Li	7	10.00 ng/l	220.0102	---	0.1	
Be	9	<10.00 ng/l	0.0000000	---	0.1	
B	11	8.200 ug/l	33,613.89	---	0.1	
Na	23	55.00 ug/l	721,702.6	---	0.1	
Mg	24	10.00 ug/l	87,763.79	---	0.1	
Al	27	6.800 ug/l	71,976.95	---	0.1	
Si	29	82.00 ug/l	82,358.13	---	0.1	
K	39	45.00 ug/l	782,472.0	---	0.1	
Ca	43	42.00 ug/l	2,160.246	---	0.1	
Sc	45	110.0 ng/l	1,690.175	---	0.1	
Ti	47	380.0 ng/l	470.0254	---	0.1	
V	51	1.300 ug/l	19,958.15	---	0.1	OXIDE
Cr	53	3.600 ug/l	6,101.781	---	0.1	OXIDE
Mn	55	200.0 ng/l	3,660.677	---	0.1	
Fe	57	15.00 ug/l	7,432.367	---	0.1	HYDRIDE
Co	59	4.100 ng/l	80.00381	---	0.1	
Ni	60	230.0 ng/l	1,060.082	---	0.1	
Cu	63	450.0 ng/l	4,991.211	---	0.1	
Zn	66	1.700 ug/l	5,211.213	---	0.1	
Ga	69	10.00 ng/l	130.0057	---	0.1	
Ge	72	72.00 ng/l	250.0111	---	0.1	
As	75	600.0 ng/l	1,330.127	---	0.1	
Se	82	<210.0 ng/l	40.00231	---	0.1	
Br	79	1.600 ug/l	510.0264	---	0.1	ARGIDE
Rb	85	110.0 ng/l	1,652.954	---	0.1	
Sr	88	160.0 ng/l	3,180.528	---	0.1	
Y	89	<1.900 ng/l	40.00155	---	0.1	
Zr	90	30.00 ng/l	400.0216	---	0.1	
Nb	93	<2.000 ng/l	20.00077	---	0.1	
Mo	95	25.00 ng/l	110.0058	---	0.1	

*Chudy*

	Mass	Conc.	Counts (CPS)	Bkg count	Time (sec)
Tc	---	---	---	---	---
Ru	101	<9.100 ng/l	0.0000000	---	0.1
Rh	103	<1.600 ng/l	0.0000000	---	0.1
Pd	105	<8.600 ng/l	20.00078	---	0.1
Ag	107	64.00 ng/l	920.0631	---	0.1
Cd	111	<18.00 ng/l	20.00078	---	0.1
In	115	<1.800 ng/l	10.00039	---	0.1
Sn	118	100.0 ng/l	700.0558	---	0.1
Sb	121	10.00 ng/l	80.00394	---	0.1
Te	125	<82.00 ng/l	0.0000000	---	0.1
I	127	160.0 ng/l	820.0601	---	0.1
Cs	133	<2.000 ng/l	30.00119	---	0.1
Ba	137	92.00 ng/l	280.0136	---	0.1
La	139	6.900 ng/l	220.0184	---	0.1
Ce	140	6.800 ng/l	210.0116	---	0.1
Pr	141	<1.300 ng/l	10.00040	---	0.1
Nd	146	<7.400 ng/l	20.00080	---	0.1
Sm	147	<9.200 ng/l	0.0000000	---	0.1
Eu	153	<2.400 ng/l	0.0000000	---	0.1
Gd	157	<8.100 ng/l	0.0000000	---	0.1
Tb	159	<1.200 ng/l	0.0000000	---	0.1
Dy	163	<4.700 ng/l	0.0000000	---	0.1
Ho	165	<1.200 ng/l	10.00041	---	0.1
Er	166	<4.000 ng/l	0.0000000	---	0.1
Tm	169	<1.200 ng/l	0.0000000	---	0.1
Yb	172	<5.100 ng/l	0.0000000	---	0.1
Lu	175	<1.200 ng/l	0.0000000	---	0.1
Hf	178	<6.200 ng/l	0.0000000	---	0.1
Ta	181	<1.300 ng/l	0.0000000	---	0.1
W	182	<5.400 ng/l	20.00082	---	0.1
Re	185	<4.000 ng/l	0.0000000	---	0.1
Os	189	<8.400 ng/l	0.0000000	---	0.1
Ir	193	<2.800 ng/l	20.00082	---	0.1
Pt	195	39.00 ng/l	310.0161	---	0.1
Au	197	<4.700 ng/l	10.00041	---	0.1
Hg	202	<6.000 ng/l	30.00124	---	0.1
Tl	205	<2.500 ng/l	40.00166	---	0.1
Pb	208	130.0 ng/l	1,890.251	---	0.1
Bi	209	14.00 ng/l	300.0175	---	0.1
Th	232	3.800 ng/l	90.00378	---	0.1
U	238	4.900 ng/l	120.0050	---	0.1

**Vzorec pre prepočet mg/kg**

$$\text{mg/kg} = \frac{\text{ppb} \cdot 25 (\text{objem v ml})}{\text{navážka (v g)}} \cdot \frac{1}{1000}$$

