

**Blei**

CRM	H 286A	H 287A	H 288A	H 055	3 C2415	3 C2416	3 C2417
Best. Nr.	Pb-10001	Pb-10002	Pb-10003	Pb-10004	Pb-10005	Pb-10006	Pb-10007
ppm Ag	0.015	15.2	30.5				
As	(<2E-7)	(<2E-8)	55.7ppm		0.20	0.56	0.011
ppm Bi	21.5	67.3	215.8				
ppm Cd	0.125	0.36	33.3				
ppm Cu	1.49	0.98	19.3				
ppm Ni	0.041	0.024	4.57				
ppm Sb	0.10	0.040	32.5				
Se	(<5E-6)	(<5E-6)	<0.2ppm				
Sn	(<5E-6)	(<5E-6)	30.6ppm		0.33	0.09	(<0.010)
ppm Te	(<1E-1)	(<2E-55)	32.8ppm				
ppm TT	2.5	0.73	2.3				
ppm Zn	<0.1	<0.1	8.2				
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O				Rest			
Al				1ppm			
Cd					(<0.0003)	(<0.0001)	(<0.0001)
Ca					0.002	(0.0002)	(<0.0002)
Co					(<0.001)	(<0.001)	(<0.001)
Fe						(<0.0002)	(<0.0002)
Mn					<0.001	(<0.0005)	(<0.0003)
Ni					<0.001	(<0.0005)	(<0.0003)
Te					<0.001	(<0.0005)	(<0.0005)
Zn					0.0045	(<0.0005)	(<0.0005)
S					<0.001	(<0.0005)	(<0.0005)
Sb					0.0026	0.0015	(<0.0005)
Bi					2.95	0.79	0.010
Cu					0.054	0.10	0.010
Ag					0.095	0.065	0.0101
Ti					0.002		0.010
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	3 C2418	5 210e	10 L01.1	10 L01.2	10 L01.3	10 L01.4	AL A
Best. Nr.	Pb-10008	Pb-10009	Pb-10010	Pb-10011	Pb-10012	Pb-10013	Pb-10014
ppm Ag			20.5	1.3	56	81	
As	(<0.0001)						0.00072
ppm Bi			196	98	5.3	297	
ppm Cd			1.5	2.5	6.0	14	
ppm Cu			9.6	13.6	21.5	0.7	
ppm Ni			0.2	5.7	3.9	3.0	
ppm Sb			0.7	2.8	5.2	9.7	
Se							
Sn	(<0.0005)						<0.003
ppm Te			<2	3	13.5	8.4	
ppm TT							
ppm Zn			1.3	6.1	1.9	7.7	
Pb	Rest	99.996	Rest	Rest	Rest	Rest	Rest
O							
Al	(<0.0001)						
Cd	0.0003						0.0021
Ca	(<0.0005)						0.00037
Co	(<0.0005)						
Fe	(<0.0005)	0.0005					<0.005
Mn	(<0.0005)						
Ni	(<0.0005)						0.00072
Te	(<0.0005)						
Zn	(<0.0005)						0.0005
S							
Sb	(<0.0001)						<0.003
Bi	(<0.0005)	0.0008					0.00086
Cu	(<0.0001)	0.0006					0.00088
Ag	0.0007	0.0001					0.0013
Ti		0.001					
ppm Sn			1.2	0.8	<0.5	4.2	
ppm As			5.8	0.7	2.7	8.8	
In							<0.001
Au							
Pd							
P							
B							
TT							

CRM	AL B	AL C	AL D	AL E	AL F	4 PR1	4 PR2
Best. Nr.	Pb-10015	Pb-10016	Pb-10017	Pb-10018	Pb-10019	Pb-10020	Pb-10021
ppm Ag							
As	0.0059	0.015	0.055	0.53		0.050	0.020
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	0.0030	0.059	0.13	0.56	1.05	0.003	0.10
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd	0.00070	0.016	0.036	0.12	0.53	0.080	0.002
Ca		0.0009					
Co							
Fe	<0.005	<0.005					
Mn							
Ni	0.0036	0.0013				<0.001	<0.001
Te							
Zn				0.0025	0.0015	0.005	0.001
S							
Sb	0.0054	0.018	0.059	0.60	0.89	0.005	0.050
Bi	0.0051	0.021	0.053	0.49	0.77	0.050	0.001
Cu	0.0058	0.016	0.027	0.042	0.064	0.001	0.030
Ag	0.0050	0.015	0.033	0.19	0.65	0.10	0.050
Ti							
ppm Sn							
ppm As							
In	0.0014	0.0026	0.021		0.30		
Au							
Pd							
P							
B							
TT							

CRM	4 PR3	4 PR4	4 PBTE/2	4 BA1	4 BA2	4 BA3	4 BA4
Best. Nr.	Pb-10022	Pb-10023	Pb-10024	Pb-10025	Pb-10026	Pb-10027	Pb-10028
ppm Ag							
As	0.002	<0.001	(<0.001)	<0.001	0.002	0.049	0.005
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	0.505	0.010	0.005	0.83	0.50	0.31	0.10
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd	0.050	0.010		<0.003	0.005	0.003	0.010
Ca				0.10	0.062	0.01	<0.001
Co							
Fe							
Mn							
Ni	0.003	0.015					
Te			0.06	<0.00	<0.001	0.004	0.03
Zn	0.010	0.020	(<0.001)	<0.001	0.017	0.002	0.001
S							
Sb	0.010	0.010	(<0.001)	0.001	0.004	0.031	0.063
Bi	0.10	0.010	(<0.001)	0.003	0.005	0.022	0.011
Cu	0.60	0.010	(<0.001)	<0.001	0.014	0.010	0.032
Ag	0.001	0.010	(<0.001)	0.010	0.006	0.006	0.002
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	10 L2.01	10 L2.02	10 L2.03	10 L2.04	AL LA0.5	AL LA1.0	AL LA2.0
Best. Nr.	Pb-10029	Pb-10030	Pb-10031	Pb-10032	Pb-10033	Pb-10034	Pb-10035
ppm Ag							
As	0.0001	0.0001	0.0001	0.0003			
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	0.11	0.23	0.34	0.43			
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd	0.001	0.0002	0.001	0.0007			
Ca	0.06	0.02	0.10	0.11			
Co							
Fe							
Mn							
Ni	0.0001	0.0001	0.0001	0.0004			
Te							
Zn	0.01	0.0007	0.0004	0.002			
S							
Sb	0.0005	0.0007	0.0003	0.001	0.48	0.99	2.02
Bi	0.03	0.01	0.02	0.0008			
Cu	0.0007	0.003	0.002	0.002			
Ag	0.005	0.007	0.01	0.0006			
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	AL LA3.5	AL LA7.0	AL LA10.0	AL LA13.0	4 PA0.5	4 PA1.0	4 PA2.0
Best. Nr.	Pb-10036	Pb-10037	Pb-10038	Pb-10039	Pb-10040	Pb-10041	Pb-10042
ppm Ag							
As							
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn							
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd							
Ca							
Co							
Fe							
Mn							
Ni							
Te							
Zn							
S							
Sb	3.52	6.96	9.86	12.99	0.51	1.00	2.00
Bi							
Cu							
Ag							
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	4 PA3.5	4 PA7.0	4 PA10.0	4 PA12.5	VS 2054-81	VS 2055-81	VS 2056-81
Best. Nr.	Pb-10043	Pb-10044	Pb-10045	Pb-10046	Pb-10047	Pb-10048	Pb-10049
ppm Ag							
As							
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn							
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd							
Ca							
Co							
Fe							
Mn							
Ni							
Te							
Zn					1.62	0.71	0.34
S							
Sb	3.50	7.00	10.00	12.5			
Bi							
Cu							
Ag							
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	AL BM1	IM PG1	IM PG2	IM PG3	IM PG4	IM PG5	IM PG6
Best. Nr.	Pb-10050	Pb-10051	Pb-10052	Pb-10052	Pb-10054	Pb-10055	Pb-10056
ppm Ag							
As	0,94	0.019	0.015	0.0096	0.0044	0.0018	0.00050
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	0.97	0.56	0.28	0.10	0.020	0.0042	0.00060
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd		0.078	0.064	0.040	0.026	0.011	0.0074
Ca							
Co							
Fe							
Mn							
Ni							
Te		0.0093	0.018	0.026	0.051	0.093	
Zn							
S							
Sb	13.96	0.76	0.23	0.52	0.042	0.97	1.45
Bi		0.082	0.071	0.053	0.032	0.017	0.0050
Cu		0.059	0.030	0.030	0.012	0.0078	0.0011
Ag		0.020	0.013	0.011	0.0076	0.0024	0.00060
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	3 1131	3 1132	AL LS1.5X	AL LS2.5X	AL LS3.5x	AL LS4.5x	AL LS5.5x
Best. Nr.	Pb-10057	Pb-10058	Pb-10059	Pb-10060	Pb-10061	Pb-10062	Pb-10063
ppm Ag							
As	0.057	0.01	0.005	0.01	0.02	0.005	0.01
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	5.84	39.3	0.05	0.10	0.25	0.05	0.10
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd							
Ca							
Co							
Fe	<0.00						
Mn							
Ni	0.003	0.012					
Te							
Zn			0.001	0.0025	0.005	0.001	0.0025
S							
Sb	10.2	0.43	0.40	0.25	0.10	0.40	0.25
Bi	0.052	0.06	0.05	0.10	0.25	0.05	0.10
Cu	0.054	0.011	0.30	0.15	0.08	0.30	0.15
Ag		0.01	1.5	2.5	3.5	4.5	5.5
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	AL LS6.5x	4 PAg1.5R	4 PAg2.5R	4 PAg3.5R	IM L1	IM L2	IM L3
Best. Nr.	Pb-10064	Pb-10065	Pb-10067	Pb-10068	Pb-10069	Pb-10070	Pb-10071
ppm Ag							
As	0.02	0.005	0.010	0.020	0.051	0.034	0.092
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	0.25	0.05	0.10	0.25	56.14	59.09	60.18
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd					0.0020	0.0043	0.0065
Ca							
Co							
Fe						(0.011)	(0.023)
Mn							
Ni							
Te							
Zn	0.005	0.005	0.0025	0.001	0.00093	0.0019	0.0064
S							
Sb	0.10	0.40	0.25	0.10	0.52	0.35	0.14
Bi	0.25	0.05	0.10	0.25	0.17	0.11	0.22
Cu	0.08	0.30	0.15	0.08	0.11	0.075	0.034
Ag	6.5	1.5	2.5	3.5			
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	IM L4	IM L5	AL TL3	AL TL7	AL TL10	AL TL12	AL TL15
Best. Nr.	Pb-10072	Pb-10073	Pb-10074	Pb-10075	Pb-10076	Pb-10077	Pb-10078
ppm Ag							
As	0.017	0.0035					
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	62.81	64.95	2.95	6.77	9.78	12.02	15.19
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd	0.0080	0.0097					
Ca							
Co							
Fe	(0.0085)						
Mn							
Ni							
Te							
Zn	0.0011	0.0056					
S							
Sb	0.079	0.011					
Bi	0.055	0.014					
Cu	0.013	0.0037					
Ag							
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	AL TL20	AL TL25	AL TL30	AL TL35	AL TL40	AL TL50	AL TL55
Best. Nr.	Pb-10079	Pb-10080	Pb-10081	Pb-10082	Pb-10083	Pb-10084	Pb-10090
ppm Ag							
As							
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	20.0	25.0	30.0	35.0	40.0	50.0	55.0
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd							
Ca							
Co							
Fe							
Mn							
Ni							
Te							
Zn							
S							
Sb							
Bi							
Cu							
Ag							
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	AL TL60	AL TL65	AL SSCA1	AL SSCA2	AL SSCA3	AL SSCA4	AL SSCA5
Best. Nr.	Pb-10091	Pb-10092	Pb-10093	Pb-10094	Pb-10095	Pb-10096	Pb-10097
ppm Ag							
As							
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	60.0	65.0	59.23	60.41	61.53	62.54	63.45
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd							
Ca							
Co							
Fe							
Mn							
Ni							
Te							
Zn							
S							
Sb			0.085	0.29	0.48	0.11	0.31
Bi							
Cu			0.0091	0.050	0.10	0.25	0.41
Ag							
Ti							
ppm Sn							
ppm As							
In							
Au			0.0045	0.010	0.046	0.10	0.25
Pd							
P							
B							
TT							

CRM Best. Nr. ppm Ag As ppm Bi ppm Cd ppm Cu ppm Ni ppm Sb Se Sn ppm Te ppm TT ppm Zn Pb O Al Cd Ca Co Fe Mn Ni Te Zn S Sb Bi Cu Ag Ti ppm Sn ppm As In Au Pd P B TT	AL SSCA6 Pb-10098	AL TL1X Pb-10099	AL TL2X Pb-10100	AL TL3X Pb-10101	AL TLSB1 Pb-10102	AL TLSB2 Pb-10103	AL TLSB3 Pb-10104
		0.007	0.01	0.03			
	64.53	40.0	39.30	39.70	48	48	48
	Rest	Rest	Rest	Rest	Rest	Rest	Rest
					0.04	0.08	0.15
		0.005	0.12	0.03			
	0.52	0.15	0.43	0.75	0.15	0.35	0.70
		0.03	0.06	0.15	0.10	0.25	0.50
	0.49	0.005	0.011	0.04			
		0.005	0.01	0.025	0.04	0.08	0.15
	0.49						

CRM	AL 63A10	AL 63A11	AL 63A12	AL TL9X	AL TL10X	AL TL11X	AL TL60X
Best. Nr.	Pb-10105	Pb-10106	Pb-10107	Pb-10108	Pb-10109	Pb-10110	Pb-10111
ppm Ag							
As	0.006	0.019	0.031	0.002	0.005	0.015	<0.0005
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	63.0	63.2	63.5	9.10	10.06	11.62	60.0
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al	(0.001)	(0.0025)	(0.007)	(0.001)	(0.005)	(0.01)	<0.0005
Cd	0.0057	0.010	0.025	0.0011	0.0033	0.0092	0.006
Ca							
Co							
Fe	(0.006)	(0.016)	(0.018)	(0.004)	(0.003)	(0.02)	0.0031
Mn							
Ni	0.001	0.0025	0.007	0.008	0.003	0.008	<0.0005
Te							
Zn	(0.0005)	(0.0013)	(0.003)	(0.003)	(0.009)	(0.02)	0.006
S							
Sb	0.15	0.36	0.58	0.018	0.048	0.21	0.034
Bi	0.038	0.094	0.23	0.006	0.0097	0.034	<0.0005
Cu	0.05	0.10	0.25	0.00095	0.0027	0.0078	0.0006
Ag	0.019	0.036	0.049	0.0010	0.0031	0.010	0.0006
Ti							
ppm Sn							
ppm As							
In	0.005	0.01	0.022	0.0052	0.015	0.037	<0.001
Au	0.04	0.10	0.25	0.01			0.00096
Pd							
P							
B							
TT							

CRM	AL TL62X	AL TL63X	AL TL64X	AL TLS36X	AL TLS37X	AL TLS38X	AL LST33X
Best. Nr.	Pb-10112	Pb-10113	Pb-10114	Pb-10115	Pb-10116	Pb-10117	Pb-10118
ppm Ag							
As	0.00084	0.0065	0.010				
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	62.3	63.4	64.5	59.88	61.85	63.60	8.88
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al	<0.001	<0.001	<0.001				
Cd	0.0020	0.0049	0.010				
Ca							
Co							
Fe	0.12	0.0052	0.010				
Mn							
Ni	0.0006	0.0085	0.0042				
Te							
Zn	0.0095	0.015	0.065				
S							
Sb	0.021	0.050	0.095	0.51	0.38	0.23	0.21
Bi	0.0057	0.0095	0.019	0.048	0.093	0.25	0.0072
Cu	0.0012	0.0045	0.0090	0.073	0.040	0.10	0.073
Ag	0.0012	0.0050	0.0085	2.99	2.02	1.01	2.86
Ti							
ppm Sn							
ppm As							
In	0.0010	0.0091	0.040				
Au	0.0056	0.0090	0.019				
Pd							
P							
B							
TT							

CRM	AL LST34X	AL LST35X	AL LST30X	AL LST31X	AL LST32X	AL TLP1	AL TLP2
Best. Nr.	Pb-10119	Pb-10120	Pb-10121	Pb-10122	Pb-10123	Pb-10124	Pb-10125
ppm Ag							
As			(0.005)	(0.01)	(0.02)		
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	10.09	11.10	0.41	0.97	1.40	(60)	(60)
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd							
Ca							
Co							
Fe							
Mn							
Ni							
Te							
Zn			(0.0015)	(0.0025)	(0.005)		
S							
Sb	0.09	0.05	0.42	0.25	0.11		
Bi	0.012	0.035	0.055	0.10	0.27		
Cu	0.042	0.0089	0.23	0.14	0.068		
Ag	2.10	1.06	1.86	1.48	0.49		
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd						0.01	0.05
P							
B							
TT							

CRM	AL TLP3	AL TLP4	AL TLPH1	AL TLPH2	AL TLPH3	AL NF11/1	AL NF11/2
Best. Nr.	Pb-10126	Pb-10127	Pb-10128	Pb-10129	Pb-10130	Pb-10131	Pb-10132
ppm Ag							
As						(<0.005)	(<0.005)
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	(60)	(60)	63.4	63.2	63.4	(60.0)	(60.0)
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al						0.00088	0.045
Cd						(0.019)	(0.019)
Ca							
Co							
Fe						(<0.003)	(<0.003)
Mn							
Ni						(<0.005)	(<0.005)
Te							
Zn						0.00066	0.0042
S							
Sb						(0.25)	(0.25)
Bi						(<0.010)	(<0.010)
Cu						(0.0044)	(0.0044)
Ag						(0.0078)	(0.0078)
Ti							
ppm Sn							
ppm As							
In						(<0.001)	(<0.001)
Au						(<0.005)	(<0.005)
Pd	0.10	0.25					
P			0.0049	0.0088	0.024		
B						(<0.003)	(<0.003)
TT							

CRM	AL NF11/3	AL NF11/4	AL NF12/1	AL NF12/2	AL NF12/3	AL NF12/4	AL NF13/1
Best. Nr.	Pb-10134	Pb-10135	Pb-10136	Pb-10137	Pb-10138	Pb-10139	Pb-10140
ppm Ag							
As	(<0.005)	(<0.005)	(<0.010)	(<0.010)	(<0.010)	(<0.010)	(<0.010)
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	(60.0)	(60.0)	(60)	(60)	(60)	(60)	(60.0)
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al	0.015	0.025	0.0008	0.008	0.0037	0.082	(<0.005)
Cd	(0.019)	(0.019)	(<0.001)	(<0.001)	(<0.001)	(<0.001)	(<0.001)
Ca							
Co							
Fe	(<0.003)	(<0.003)	(<0.005)	(<0.005)	(<0.005)	(<0.005)	(<0.005)
Mn							
Ni	(<0.005)	(<0.005)	(<0.005)	(<0.005)	(<0.005)	(<0.005)	(<0.003)
Te							
Zn	0.016	0.025	(<0.005)	(<0.005)	(<0.005)	(<0.005)	(<0.005)
S			0.0009	0.0046	0.011	0.040	0.0012
Sb	(0.25)	(0.25)	(0.30)	(0.30)	(0.30)	(0.30)	(0.25)
Bi	(<0.010)	(<0.010)	(0.030)	(0.030)	(0.030)	(0.030)	(0.19)
Cu	(0.0044)	(0.0044)	(0.015)	(0.015)	(0.015)	(0.015)	(0.0044)
Ag	(0.0078)	(0.0078)	(0.009)	(0.009)	(0.009)	(0.009)	(0.0078)
Ti							
ppm Sn							
ppm As							
In	(<0.001)	(<0.001)	(0.004)	(0.004)	(0.004)	(0.004)	(<0.003)
Au	(<0.005)	(<0.005)	(<0.005)	(<0.005)	(<0.005)	(<0.005)	(<0.005)
Pd							
P							
B	(<0.003)	(<0.003)					
TT							

CRM	AL NF13/2	AL NF13/3	AL NF13/4	4 S63PR1	4 S63PR2	4 S63PR3	4 S63P
Best. Nr.	Pb-10141	Pb-10142	Pb-10143	Pb-10144	Pb-10145	Pb-10146	Pb-10147
ppm Ag							
As	(<0.010)	(<0.010)	(<0.010)	0.005	0.03	0.020	<0.001
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	(60.0)	(60.0)	(60.0)	62.5	63.0	64.0	63.0
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al	(<0.005)	(<0.005)	(<0.005)				
Cd	(<0.001)	(<0.001)	(<0.001)	0.005	0.010	0.001	<0.001
Ca							
Co							
Fe	(<0.005)	(<0.005)	(<0.005)	0.015	0.02	0.003	<0.001
Mn							
Ni	(<0.003)	(<0.003)	(<0.003)	0.005	0.001	0.010	<0.001
Te							
Zn	(<0.005)	(<0.005)	(<0.005)	0.002	0.010	0.008	<0.001
S	0.0052	0.013	0.048				
Sb	(0.25)	(0.25)	(0.25)	0.05	0.60	0.25	<0.001
Bi	(0.19)	(0.19)	(0.19)	0.05	0.15	0.25	<0.001
Cu	(0.0044)	(0.0044)	(0.0044)	0.20	0.05	0.10	<0.001
Ag	(0.0078)	(0.0078)	(0.0078)	0.005	0.050	0.020	<0.001
Ti							
ppm Sn							
ppm As							
In	(<0.003)	(<0.003)	(<0.003)				
Au	(<0.005)	(<0.005)	(<0.005)	0.04	0.09	0.18	<0.001
Pd							
P							
B							
TT							

CRM	4 S50PR1	4 S50PR2	4 S50PR3	4 S50P	4 S40PR1	4 S40PR2	4 S40PR3
Best. Nr.	Pb-10148	Pb-10149	Pb-10150	Pb-10151	Pb-10152	Pb-10153	Pb-10154
ppm Ag							
As	0.005	0.03	0.01	<0.001	0.005	0.03	0.02
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	49.5	50.5	51.5	50.0	39.0	40.0	41.5
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd	0.005	0.010	0.001	<0.001	0.001	0.005	0.009
Ca							
Co							
Fe	0.015	0.02	0.005	<0.001	0.015	0.02	0.005
Mn							
Ni	0.006	0.001	0.015	<0.001	0.001	0.005	0.010
Te							
Zn	0.001	0.025	0.003	<0.001	0.002	0.025	0.008
S							
Sb	0.05	0.60	0.25	<0.001	0.05	0.60	0.25
Bi	0.05	0.15	0.25	<0.001	0.05	0.15	0.25
Cu	0.20	0.05	0.10	<0.001	0.20	0.05	0.10
Ag	0.005	0.050	0.02	<0.001	0.005	0.050	0.02
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	4 S40P	4 S30PR1	4 S30PR2	4 S30PR3	4 S30P	4 S10PR1	4 S10PR2
Best. Nr.	Pb-10155	Pb-10156	Pb-10157	Pb-10158	Pb-10159	Pb-10160	Pb-10161
ppm Ag							
As	<0.001	0.005	0.03	0.01	<0.001	0.005	0.03
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	40.0	29.0	29.8	30.5	30.0	9.0	10.0
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd	<0.001	0.001	0.005	0.019	<0.001	0.002	0.005
Ca							
Co							
Fe	<0.001	0.015	0.02	0.005	<0.001	0.001	0.001
Mn							
Ni	<0.001	0.001	0.005	0.010	<0.001	0.010	0.001
Te							
Zn	<0.001	0.002	0.025	0.008	<0.001	0.002	0.25
S							
Sb	<0.001	0.05	0.60	0.25	<0.001	0.02	0.60
Bi	<0.001	0.05	0.15	0.25	<0.001	0.02	0.15
Cu	<0.001	0.20	0.05	0.1	<0.001	0.02	0.05
Ag	<0.001	0.005	0.050	0.02	<0.001	0.005	0.050
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	4 S10PR3	4 S10P	4 S10P	4 S30P	4 S40P	4 S50P	4 S63P
Best. Nr.	Pb-10162	Pb-10163	Pb-10164	Pb-10165	Pb-10166	Pb-10167	Pb-10168
ppm Ag							
As	0.01	<0.001					
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	11.5	10.0	10.0	30.0	40.0	50.0	63.0
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd	0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ca							
Co							
Fe	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mn							
Ni	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Te							
Zn	0.008	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
S							
Sb	0.25	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bi	0.25	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cu	0.10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ag	0.02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ti							
ppm Sn							
ppm As							
In							
Au			<0.001	<0.001	<0.001	<0.001	<0.001
Pd							
P							
B							
TT							

CRM	4 S50PR1	4 S50PR2	4 S50PR3	4 S50P	4 S40PR1	4 S40PR2	4 S40PR3
Best. Nr.	Pb-10169	Pb-10170	Pb-10171	Pb-10172	Pb-10173	Pb-10174	Pb-10175
ppm Ag							
As	0.005	0.03	0.01	<0.001	0.005	0.03	0.02
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	49.5	50.5	51.5	50.0	39.0	40.0	41.5
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd	0.005	0.010	0.001	<0.001	0.001	0.005	0.009
Ca							
Co							
Fe	0.015	0.02	0.005	<0.001	0.015	0.02	0.005
Mn							
Ni	0.006	0.001	0.015	<0.001	0.001	0.005	0.010
Te							
Zn	0.001	0.025	0.003	<0.001	0.002	0.025	0.008
S							
Sb	0.05	0.60	0.25	<0.001	0.05	0.60	0.25
Bi	0.05	0.15	0.25	<0.001	0.05	0.15	0.25
Cu	0.20	0.05	0.10	<0.001	0.20	0.05	0.10
Ag	0.005	0.050	0.02	<0.001	0.005	0.050	0.02
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	4 S40P	4 S30PR1	4 S30PR2	4 S30PR3	4 S30p	4 S10PR1	4 S10PR2
Best. Nr.	Pb-10176	Pb-10177	Pb-10178	Pb-10179	Pb-10180	Pb-10181	Pb-10182
ppm Ag							
As	<0.001	0.005	0.03	0.02	<0.001	0.005	0.03
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	40.0	29.0	29.8	30.5	30.0	9.0	10.0
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd	<0.001	0.001	0.005	0.019	<0.001	0.002	0.005
Ca							
Co							
Fe	<0.001	0.015	0.02	0.005	<0.001	0.001	0.001
Mn							
Ni	<0.001	0.001	0.005	0.010	<0.001	0.010	0.001
Te							
Zn	<0.001	0.002	0.025	0.008	<0.001	0.002	0.25
S							
Sb	<0.001	0.05	0.60	0.25	<0.001	0.02	0.60
Bi	<0.001	0.05	0.15	0.25	<0.001	0.02	0.15
Cu	<0.001	0.20	0.05	0.10	<0.001	0.20	0.05
Ag	<0.001	0.005	0.050	0.02	<0.001	0.005	0.050
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	4 S10PR3	4 S10P	4 S10P	4 S30P	4 S40P	4 S50P	4 S63P
Best. Nr.	Pb-10183	Pb-10184	Pb-10185	Pb-10186	Pb-10187	Pb-10188	Pb-10189
ppm Ag							
As	0.02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	11.5	10.0	10.0	30.0	40.0	50.0	63.0
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd	0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ca							
Co							
Fe	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mn							
Ni	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Te							
Zn	0.008	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
S							
Sb	0.25	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bi	0.25	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cu	0.10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ag	0.02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ti							
ppm Sn							
ppm As							
In							
Au			<0.001	<0.001	<0.001	<0.001	<0.001
Pd							
P							
B							
TT							

CRM	4 S30APR14	S30APR24	S30APR34	S40APR14	S40APR24	S40APR34	S50APR1
Best. Nr.	Pb-10190	Pb-10191	Pb-10192	Pb-10193	Pb-10194	Pb-10195	Pb-10196
ppm Ag							
As	0.005	0.03	0.02	0.005	0.03	0.02	0.005
ppm Bi							
ppm Cd							
ppm Cu							
ppm Ni							
ppm Sb							
Se							
Sn	28.5	30.5	32.5	38.5	40.0	41.5	48.5
ppm Te							
ppm TT							
ppm Zn							
Pb	Rest	Rest	Rest	Rest	Rest	Rest	Rest
O							
Al							
Cd	0.001	0.005	0.01	0.001	0.005	0.01	0.001
Ca							
Co							
Fe	0.015	0.02	0.005	0.015	0.02	0.005	0.015
Mn							
Ni	0.001	0.005	0.01	0.001	0.005	0.01	0.001
Te							
Zn	0.002	0.025	0.01	0.002	0.025	0.01	0.002
S							
Sb	2.5	1.8	1.0	2.7	2.2	1.7	3.3
Bi	0.05	0.15	0.25	0.05	0.15	0.25	0.05
Cu	0.2	0.05	0.01	0.2	0.05	0.1	0.2
Ag	0.005	0.05	0.02	0.005	0.05	0.02	0.005
Ti							
ppm Sn							
ppm As							
In							
Au							
Pd							
P							
B							
TT							

CRM	4 S50APR24	S50APR3	SL RPb11	SL RPb13	SL RPb14	SL RPb15
Best. Nr.	Pb-10197	Pb-10198	Pb-10199	Pb-10200	Pb-10201	Pb-10202
ppm Ag						
As	0.03	0.02	<5ppm	0.04	1.2	0.2
ppm Bi						
ppm Cd						
ppm Cu						
ppm Ni						
ppm Sb						
Se				0.005		
Sn	50.0	51.5	<5ppm	0.1	0.015	27.2
ppm Te						
ppm TT						
ppm Zn						
Pb	Rest	Rest	99.99	Rest	Rest	Rest
O						
Al						
Cd	0.005	0.01	<5ppm	0.025	0.002	0.01
Ca						
Co						
Fe	0.02	0.005	<2ppm		0.005	
Mn					0.01	
Ni	0.005	0.01	<2ppm	0.001	0.001	0.003
Te				0.02	0.004	
Zn	0.025	0.01	<5ppm	0.01	<0.0003	0.6
S					0.01	
Sb	2.8	2.3	3ppm	0.08	10	1.6
Bi	0.15	0.25	30ppm	0.15	0.005	0.02
Cu	0.05	0.1	2ppm	0.1	0.06	1.5
Ag	0.05	0.02	6ppm	0.03	0.005	4.6
Ti						
ppm Sn						
ppm As						
In					0.01	
Au						
Pd						
P						
B						
TT				0.02	0.004	0.009