Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

Sample ID	Date	Time	Aliquot Vol.	Diluted To Vol.
Calib Blank 1	09/21/01	09:36:36 AM		
Cal 1	09/21/01	09:41:05 AM		
Cal 2	09/21/01	09:45:27 AM		
Cal 3	09/21/01	09:49:19 AM		
Cal 4	09/21/01	09:53:11 AM		
Cal Ag/K	09/21/01	09:57:07 AM		
Cal 5	09/21/01	10:00:31 AM		
Hi Cal	09/21/01	10:04:29 AM		
wash	09/21/01	10:08:02 AM		
BLANK	09/21/01	10:12:33 AM		
LCM1	09/21/01	10:16:59 AM		
LCM2	09/21/01	10:21:29 AM		
Hi AQC	09/21/01	10:25:58 AM		
wash	09/21/01	10:30:36 AM		
RLC	09/21/01	10:35:09 AM		
SIC CoV	09/21/01	10:39:39 AM		
SIC Ce	09/21/01	10:44:09 AM		
SIC Cr	09/21/01	10:48:35 AM		
SIC Fe	09/21/01	10:53:03 AM		
SIC Mn	09/21/01	10:57:36 AM		
SIC Mo	09/21/01	11:02:04 AM		
SIC Ni	09/21/01	11:07:01 AM		
SIC Ti	09/21/01	11:11:31 AM		
wash	09/21/01	11:16:02 AM		
BLANK	09/21/01	11:20:33 AM		
LCM1	09/21/01	11:24:59 AM		
LCM2	09/21/01	11:29:29 AM		
Hi AQC	09/21/01	11:33:57 AM		
wash	09/21/01	11:38:36 AM		
LRB	09/21/01	11:43:09 AM		
LFB	09/21/01	11:47:58 AM		
Filter Blank 1	09/21/01	11:53:27 AM		
Filter Blank 2	09/21/01	11:57:53 AM		
Filter Blank 3	09/21/01	12:02:22 PM		
Filter Blank 3 Spike	09/21/01	12:06:50 PM		
2001AH08S01	09/21/01	12:11:22 PM		
2001AH08D01	09/21/01	12:15:55 PM		
2001AH01S02	09/21/01	12:20:28 PM		
wash	09/21/01	12:25:01 PM		
BLANK	09/21/01	12:29:33 PM		
LCM1	09/21/01	12:33:59 PM		
LCM2	09/21/01	12:38:29 PM		
Hi AQC	09/21/01	12:42:57 PM		
wash	09/21/01	12:47:35 PM		
2001AH08S03	09/21/01	12:52:08 PM		
2001AH08S03 Dup	09/21/01	12:57:49 PM		
2001AH09S01	09/21/01	01:02:13 PM		

JVM 25 Sept 01

not used Cu Mn out on 4th QC

2001AH09D01	09/21/01	01:06:41 PM		
2001AH09S02	09/21/01	01:11:07 PM		
2001AH09S02 Dup	09/21/01	01:15:36 PM		
2001AH09S03	09/21/01	01:20:04 PM		
2001AH10S01	09/21/01	01:24:35 PM		
2001AH10S01 Dup	09/21/01	01:29:03 PM		
wash	09/21/01	01:33:33 PM		
BLANK	09/21/01	01:38:04 PM		
LCM1	09/21/01	01:42:30 PM		
Calib Blank 1	09/21/01	01:58:24 PM		
Cal 1	09/21/01	02:02:52 PM		
Cal 2	09/21/01	02:07:14 PM		
Cal 3	09/21/01	02:11:06 PM		
Cal 4	09/21/01	02:14:58 PM		
Cal Ag/K	09/21/01	02:18:57 PM		
Cal 5	09/21/01	02:22:21 PM		
Hi Cal	09/21/01	02:26:19 PM		
wash	09/21/01	02:30:43 PM		
BLANK	09/21/01	02:35:15 PM		
LCM1	09/21/01	02:39:41 PM		
LCM2	09/21/01	02:44:12 PM		
Hi AQC	09/21/01	02:48:40 PM		
wash	09/21/01	02:53:19 PM		
RLC	09/21/01	02:57:51 PM		
2001AH08S03	09/21/01	03:02:21 PM		
2001AH08S03 Dup	09/21/01	03:06:56 PM		
2001AH09S01	09/21/01	03:11:20 PM		
2001AH09D01	09/21/01	03:15:44 PM		
2001AH09S02	09/21/01	03:20:13 PM		
2001AH09S02 Dup	09/21/01	03:24:42 PM		
2001AH09S03	09/21/01	03:29:10 PM		
2001AH10S01	09/21/01	03:33:41 PM		
2001AH10S01 Dup	09/21/01	03:38:12 PM		
wash	09/21/01	03:42:42 PM		
BLANK	09/21/01	03:47:14 PM		
LCM1	09/21/01	03:51:40 PM		
LCM2	09/21/01	03:56:11 PM		
Hi AQC	09/21/01	04:00:39 PM		
wash	09/21/01	04:05:18 PM		
2001AH10D01	09/21/01	04:09:51 PM		
2001AH10S02	09/21/01	04:14:24 PM		
2001AH10S03	09/21/01	04:18:48 PM		
2001AH08S01	09/21/01	04:23:13 PM	10	20
2001AH10S01	09/21/01	04:27:39 PM	10	20
2001AH10S01 Dup	09/21/01	04:32:04 PM	10	20
wash	09/21/01	04:36:30 PM		
BLANK	09/21/01	04:41:02 PM		
LCM1	09/21/01	04:45:29 PM		
LCM2	09/21/01	04:49:58 PM		
Hi AQC	09/21/01	04:54:26 PM		

not used

Cu Mn out of control
recalibrate & rerun
built .sif file
092101.sif
from last good LCM1.

JVM
25 Sept 01

Instrument Blank First 10:12:33 AM

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			MDL	
LCB	Ag 328.068	-0.00039	0.00041	
	Ag 338.289	0.00030	0.00051	
	Al 308.215	-0.00899	0.02200	
	Al 396.153	-0.01292	0.01600	
	As 193.696	-0.00352	0.00340	out
	B 249.677	-0.00994	0.01200	
	Ba 455.403	-0.00027	0.00050	
	Be 313.042	-0.00009	0.00015	
	Ca 315.887	-0.03235	0.01400	out
	Cd 226.502	0.00013	0.00014	
	Co 228.616	-0.00070	0.00050	out
	Cr 267.716	-0.00023	0.00082	
	Cu 327.393	-0.00150	0.00110	out
	Fe 259.939	0.00700	0.00540	out
	Fe 273.955	0.01012	0.00850	out
	K 766.490	0.46771	0.24000	out
	Li 670.784	0.00024	0.00620	
	Mg 279.077	0.02392	0.02700	
	Mg 280.271	-0.00074	0.00140	
	Mn 257.610	-0.00014	0.00050	
	Na 589.592	0.18595	0.12000	out
	Ni 231.604	-0.00038	0.00040	
	Pb 220.353	0.00386	0.00220	out
	Sb 206.836	-0.00245	0.00120	out
	Se 196.026	-0.00305	0.00620	
	Sr 407.771	-0.00081	0.00020	out
	V 310.230	0.00145	0.00180	
	Zn 213.857	0.00763	0.01400	

JVM
25 Sept 01

Instrument Blank Second 11:20:33 AM

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			MDL	
LCB	Ag 328.068	-0.00005	0.00041	
	Ag 338.289	0.00030	0.00051	
	Al 308.215	-0.00483	0.02200	
	Al 396.153	-0.01876	0.01600	out
	As 193.696	-0.00082	0.00340	
	B 249.677	-0.01790	0.01200	out
	Ba 455.403	-0.00019	0.00050	
	Be 313.042	0.00003	0.00015	
	Ca 315.887	-0.04106	0.01400	out
	Cd 226.502	-0.00005	0.00014	
	Co 228.616	-0.00012	0.00050	
	Cr 267.716	-0.00003	0.00082	
	Cu 327.393	-0.00279	0.00110	out
	Fe 259.939	-0.00026	0.00540	
	Fe 273.955	0.00280	0.00850	
	K 766.490	-0.36737	0.24000	out
	Li 670.784	-0.00872	0.00620	out
	Mg 279.077	0.00205	0.02700	
	Mg 280.271	-0.00905	0.00140	out
	Mn 257.610	-0.00062	0.00050	out
	Na 589.592	-0.19524	0.12000	out
	Ni 231.604	-0.00022	0.00040	
	Pb 220.353	0.00263	0.00220	out
	Sb 206.836	-0.00132	0.00120	out
	Se 196.026	-0.00126	0.00620	
	Sr 407.771	-0.00075	0.00020	out
	V 310.230	0.00130	0.00180	
	Zn 213.857	-0.00333	0.01400	

JVM
25 Sept 01

Instrument Blank Third 12:29:33 PM

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			MDL	
LCB	Ag 328.068	-0.00023	0.00041	
	Ag 338.289	-0.00002	0.00051	
	Al 308.215	0.00156	0.02200	
	Al 396.153	-0.01592	0.01600	
	As 193.696	-0.00495	0.00340	out
	B 249.677	0.00307	0.01200	
	Ba 455.403	-0.00019	0.00050	
	Be 313.042	-0.00035	0.00015	out
	Ca 315.887	-0.03849	0.01400	out
	Cd 226.502	0.00004	0.00014	
	Co 228.616	-0.00077	0.00050	out
	Cr 267.716	-0.00014	0.00082	
	Cu 327.393	-0.00277	0.00110	out
	Fe 259.939	-0.00251	0.00540	
	Fe 273.955	0.00216	0.00850	
	K 766.490	-0.14886	0.24000	
	Li 670.784	-0.00808	0.00620	out
	Mg 279.077	0.00652	0.02700	
	Mg 280.271	-0.01009	0.00140	out
	Mn 257.610	-0.00068	0.00050	out
	Na 589.592	0.00329	0.12000	
	Ni 231.604	-0.00022	0.00040	
	Pb 220.353	0.00236	0.00220	out
	Sb 206.836	0.00032	0.00120	
	Se 196.026	-0.00413	0.00620	
	Sr 407.771	-0.00074	0.00020	out
	V 310.230	0.00503	0.00180	out
	Zn 213.857	0.00817	0.01400	

[illegible]
25 Sept 01

Instrument Blank Fourth 01:38:04 PM

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			MDL	
LCB	Ag 328.068	0.00010	0.00041	
	Ag 338.289	0.00100	0.00051	out
	Al 308.215	0.01476	0.02200	
	Al 396.153	-0.01418	0.01600	
	As 193.696	-0.00200	0.00340	
	B 249.677	0.01281	0.01200	out
	Ba 455.403	-0.00020	0.00050	
	Be 313.042	-0.00014	0.00015	
	Ca 315.887	-0.05418	0.01400	out
	Cd 226.502	0.00014	0.00014	out
	Co 228.616	-0.00061	0.00050	out
	Cr 267.716	-0.00018	0.00082	
	Cu 327.393	-0.00210	0.00110	out
	Fe 259.939	-0.00335	0.00540	
	Fe 273.955	-0.00346	0.00850	
	K 766.490	-0.27707	0.24000	out
	Li 670.784	-0.00936	0.00620	out
	Mg 279.077	0.00383	0.02700	
	Mg 280.271	-0.01168	0.00140	out
	Mn 257.610	-0.00083	0.00050	out
	Na 589.592	-0.01030	0.12000	
	Ni 231.604	-0.00003	0.00040	
	Pb 220.353	0.00080	0.00220	
	Sb 206.836	-0.00289	0.00120	out
	Se 196.026	-0.00433	0.00620	
	Sr 407.771	-0.00112	0.00020	out
	V 310.230	0.00742	0.00180	out
	Zn 213.857	0.00554	0.01400	

JWM
25 Sept 01

Instrument Blank Fifth 02:35:15 PM

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			MDL	
LCB	Ag 328.068	-0.00028	0.00041	
	Ag 338.289	0.00027	0.00051	
	Al 308.215	-0.01101	0.02200	
	Al 396.153	-0.02440	0.01600	out
	As 193.696	-0.00074	0.00340	
	B 249.677	-0.01565	0.01200	out
	Ba 455.403	-0.00036	0.00050	
	Be 313.042	0.00045	0.00015	out
	Ca 315.887	-0.03133	0.01400	out
	Cd 226.502	0.00002	0.00014	
	Co 228.616	0.00016	0.00050	
	Cr 267.716	0.00008	0.00082	
	Cu 327.393	-0.00006	0.00110	
	Fe 259.939	0.01460	0.00540	out
	Fe 273.955	0.01358	0.00850	out
	K 766.490	0.28843	0.24000	out
	Li 670.784	-0.00138	0.00620	
	Mg 279.077	-0.00510	0.02700	
	Mg 280.271	0.00586	0.00140	out
	Mn 257.610	-0.00054	0.00050	out
	Na 589.592	0.10849	0.12000	
	Ni 231.604	-0.00020	0.00040	
	Pb 220.353	0.00182	0.00220	
	Sb 206.836	-0.00156	0.00120	out
	Se 196.026	-0.00022	0.00620	
	Sr 407.771	-0.00103	0.00020	out
	V 310.230	0.00477	0.00180	out
	Zn 213.857	0.00327	0.01400	

JVM
25 Sept 01

Instrument Blank Sixth 03:47:14 PM

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			MDL	
LCB	Ag 328.068	-0.00016	0.00041	
	Ag 338.289	0.00069	0.00051	out
	Al 308.215	-0.02263	0.02200	out
	Al 396.153	-0.03035	0.01600	out
	As 193.696	-0.00129	0.00340	
	B 249.677	0.00761	0.01200	
	Ba 455.403	-0.00028	0.00050	
	Be 313.042	0.00032	0.00015	out
	Ca 315.887	-0.05036	0.01400	out
	Cd 226.502	-0.00004	0.00014	
	Co 228.616	0.00019	0.00050	
	Cr 267.716	0.00020	0.00082	
	Cu 327.393	0.00048	0.00110	
	Fe 259.939	-0.00165	0.00540	
	Fe 273.955	-0.00793	0.00850	
	K 766.490	-0.07646	0.24000	
	Li 670.784	-0.00246	0.00620	
	Mg 279.077	-0.04573	0.02700	out
	Mg 280.271	-0.00925	0.00140	out
	Mn 257.610	-0.00044	0.00050	
	Na 589.592	0.00285	0.12000	
	Ni 231.604	0.00030	0.00040	
	Pb 220.353	0.00142	0.00220	
	Sb 206.836	-0.00102	0.00120	
	Se 196.026	-0.00126	0.00620	
	Sr 407.771	-0.00105	0.00020	out
	V 310.230	0.00493	0.00180	out
	Zn 213.857	-0.00398	0.01400	

Non
25 Sept 01

Instrument Blank Seventh 04:41:02 PM

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			MDL	
LCB	Ag 328.068	-0.00059	0.00041	out
	Ag 338.289	0.00060	0.00051	out
	Al 308.215	-0.02378	0.02200	out
	Al 396.153	-0.03641	0.01600	out
	As 193.696	-0.00226	0.00340	
	B 249.677	-0.00376	0.01200	
	Ba 455.403	-0.00025	0.00050	
	Be 313.042	0.00015	0.00015	out
	Ca 315.887	-0.05248	0.01400	out
	Cd 226.502	-0.00003	0.00014	
	Co 228.616	-0.00007	0.00050	
	Cr 267.716	-0.00004	0.00082	
	Cu 327.393	0.00078	0.00110	
	Fe 259.939	-0.00168	0.00540	
	Fe 273.955	-0.01157	0.00850	out
	K 766.490	-0.13891	0.24000	
	Li 670.784	-0.00431	0.00620	
	Mg 279.077	-0.06103	0.02700	out
	Mg 280.271	-0.00892	0.00140	out
	Mn 257.610	-0.00021	0.00050	
	Na 589.592	-0.08107	0.12000	
	Ni 231.604	-0.00014	0.00040	
	Pb 220.353	-0.00134	0.00220	
	Sb 206.836	-0.00223	0.00120	out
	Se 196.026	-0.00322	0.00620	
	Sr 407.771	-0.00105	0.00020	out
	V 310.230	0.00410	0.00180	out
	Zn 213.857	-0.00134	0.01400	

Jum
25 Sept 01

Instrument QC First

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

LCM1	Al 396.153	0.93648	1.00000	93.65%
10:16:59 AM	As 193.696	1.99453	2.00000	99.73%
	B 249.677	0.87163	1.00000	87.16%
	Ba 455.403	0.97626	1.00000	97.63%
	Be 313.042	0.96774	1.00000	96.77%
	Cd 226.502	0.97907	1.00000	97.91%
	Co 228.616	0.96677	1.00000	96.68%
	Cr 267.716	0.97103	1.00000	97.10%
	Cu 327.393	0.94651	1.00000	94.65%
	Fe 259.939	0.97608	1.00000	97.61%
	Li 670.784	0.96541	1.00000	96.54%
	Mg 280.271	0.97675	1.00000	97.68%
	Mn 257.610	0.95938	1.00000	95.94%
	Ni 231.604	0.99340	1.00000	99.34%
	Pb 220.353	1.97509	2.00000	98.75%
	Sb 206.836	1.82171	2.00000	91.09%
	Se 196.026	1.05157	1.00000	105.16%
	Sr 407.771	0.97272	1.00000	97.27%
	V 310.230	0.96764	1.00000	96.76%
	Zn 213.857	0.93294	1.00000	93.29%
LCM2	Ag 328.068	0.04952	0.05000	99.03%
10:21:29 AM	Ag 338.289	0.05018	0.05000	100.35%
Hi AQC	Al 308.215	98.239	100.000	98.24%
10:25:58 AM	Ca 315.887	104.600	100.000	104.60%
	Fe 273.955	105.029	100.000	105.03%
	K 766.490	103.088	100.000	103.09%
	Mg 279.077	60.293	60.000	100.49%
	Na 589.592	98.738	100.000	98.74%

JMM
25 Sept 01

Instrument QC Second

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

LCM1	Al 396.153	0.92327	1.00000	92.33%
11:24:59 AM	As 193.696	1.98092	2.00000	99.05%
	B 249.677	0.84737	1.00000	84.74%
	Ba 455.403	0.97575	1.00000	97.58%
	Be 313.042	0.95569	1.00000	95.57%
	Cd 226.502	0.96389	1.00000	96.39%
	Co 228.616	0.95264	1.00000	95.26%
	Cr 267.716	0.95536	1.00000	95.54%
	Cu 327.393	0.92585	1.00000	92.59%
	Fe 259.939	0.94808	1.00000	94.81%
	Li 670.784	0.96066	1.00000	96.07%
	Mg 280.271	0.95704	1.00000	95.70%
	Mn 257.610	0.94214	1.00000	94.21%
	Ni 231.604	0.97056	1.00000	97.06%
	Pb 220.353	1.95361	2.00000	97.68%
	Sb 206.836	1.80615	2.00000	90.31%
	Se 196.026	1.04242	1.00000	104.24%
	Sr 407.771	0.96164	1.00000	96.16%
	V 310.230	0.95100	1.00000	95.10%
	Zn 213.857	0.91172	1.00000	91.17%
LCM2	Ag 328.068	0.04880	0.05000	97.60%
11:29:29 AM	Ag 338.289	0.04926	0.05000	98.51%
Hi AQC	Al 308.215	95.852	100.000	95.85%
11:33:57 AM	Ca 315.887	102.322	100.000	102.32%
	Fe 273.955	102.158	100.000	102.16%
	K 766.490	103.261	100.000	103.26%
	Mg 279.077	58.476	60.000	97.46%
	Na 589.592	98.975	100.000	98.98%

[illegible]
25 Sept 01

Instrument QC Third

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

LCM1	Al 396.153	0.92710	1.00000	92.71%
12:33:59 PM	As 193.696	1.98857	2.00000	99.43%
	B 249.677	0.87499	1.00000	87.50%
	Ba 455.403	0.97433	1.00000	97.43%
	Be 313.042	0.95545	1.00000	95.54%
	Cd 226.502	0.97572	1.00000	97.57%
	Co 228.616	0.96038	1.00000	96.04%
	Cr 267.716	0.96266	1.00000	96.27%
	Cu 327.393	0.93071	1.00000	93.07%
	Fe 259.939	0.94615	1.00000	94.61%
	Li 670.784	0.96215	1.00000	96.21%
	Mg 280.271	0.95347	1.00000	95.35%
	Mn 257.610	0.94182	1.00000	94.18%
	Ni 231.604	0.97855	1.00000	97.86%
	Pb 220.353	1.96931	2.00000	98.47%
	Sb 206.836	1.81119	2.00000	90.56%
	Se 196.026	1.04299	1.00000	104.30%
	Sr 407.771	0.94839	1.00000	94.84%
	V 310.230	0.96276	1.00000	96.28%
	Zn 213.857	0.91331	1.00000	91.33%
LCM2	Ag 328.068	0.04890	0.05000	97.81%
12:38:29 PM	Ag 338.289	0.04898	0.05000	97.97%
Hi AQC	Al 308.215	94.008	100.000	94.01%
12:42:57 PM	Ca 315.887	100.058	100.000	100.06%
	Fe 273.955	100.017	100.000	100.02%
	K 766.490	99.631	100.000	99.63%
	Mg 279.077	57.449	60.000	95.75%
	Na 589.592	97.944	100.000	97.94%

JVM
25 Sept 01

Instrument QC Fourth

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

LCM1	Al 396.153	0.89347	1.00000	89.35%
01:42:30 PM	As 193.696	1.90103	2.00000	95.05%
	B 249.677	0.81551	1.00000	81.55%
	Ba 455.403	0.92480	1.00000	92.48%
	Be 313.042	0.91581	1.00000	91.58%
	Cd 226.502	0.92197	1.00000	92.20%
	Co 228.616	0.91805	1.00000	91.81%
	Cr 267.716	0.90735	1.00000	90.73%
	Cu 327.393	0.87326	1.00000	87.33%
	Fe 259.939	0.90285	1.00000	90.29%
	Li 670.784	0.92000	1.00000	92.00%
	Mg 280.271	0.90471	1.00000	90.47%
	Mn 257.610	0.89125	1.00000	89.13%
	Ni 231.604	0.92554	1.00000	92.55%
	Pb 220.353	1.87571	2.00000	93.79%
	Sb 206.836	1.70898	2.00000	85.45%
	Se 196.026	1.00002	1.00000	100.00%
	Sr 407.771	0.90255	1.00000	90.26%
	V 310.230	0.91710	1.00000	91.71%
	Zn 213.857	0.86042	1.00000	86.04%

Run halted - instrument recalibrated

Jm
25 Sept 01

Instrument QC Fifth

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

LCM1	Al 396.153	0.93495	1.00000	93.50%
02:39:41 PM	As 193.696	2.01231	2.00000	100.62%
	B 249.677	0.91193	1.00000	91.19%
	Ba 455.403	1.01005	1.00000	101.01%
	Be 313.042	0.96975	1.00000	96.98%
	Cd 226.502	0.98399	1.00000	98.40%
	Co 228.616	0.99450	1.00000	99.45%
	Cr 267.716	0.98788	1.00000	98.79%
	Cu 327.393	0.95397	1.00000	95.40%
	Fe 259.939	0.97419	1.00000	97.42%
	Li 670.784	0.99306	1.00000	99.31%
	Mg 280.271	0.98360	1.00000	98.36%
	Mn 257.610	0.98780	1.00000	98.78%
	Ni 231.604	0.99361	1.00000	99.36%
	Pb 220.353	1.98058	2.00000	99.03%
	Sb 206.836	1.83628	2.00000	91.81%
	Se 196.026	1.04876	1.00000	104.88%
	Sr 407.771	0.99287	1.00000	99.29%
	V 310.230	0.99270	1.00000	99.27%
	Zn 213.857	0.90591	1.00000	90.59%
LCM2	Ag 328.068	0.04885	0.05000	97.71%
02:44:12 PM	Ag 338.289	0.04811	0.05000	96.22%
Hi AQC	Al 308.215	95.883	100.000	95.88%
02:48:40 PM	Ca 315.887	101.842	100.000	101.84%
	Fe 273.955	102.254	100.000	102.25%
	K 766.490	103.070	100.000	103.07%
	Mg 279.077	58.405	60.000	97.34%
	Na 589.592	96.277	100.000	96.28%

[illegible]
25 Sep 01

Instrument QC Sixth

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

LCM1	Al 396.153	0.94212	1.00000	94.21%
03:51:40 PM	As 193.696	2.02790	2.00000	101.40%
	B 249.677	0.91924	1.00000	91.92%
	Ba 455.403	0.99779	1.00000	99.78%
	Be 313.042	0.97040	1.00000	97.04%
	Cd 226.502	0.98894	1.00000	98.89%
	Co 228.616	0.99836	1.00000	99.84%
	Cr 267.716	0.98664	1.00000	98.66%
	Cu 327.393	0.95225	1.00000	95.23%
	Fe 259.939	0.97729	1.00000	97.73%
	Li 670.784	0.98283	1.00000	98.28%
	Mg 280.271	0.97360	1.00000	97.36%
	Mn 257.610	0.97616	1.00000	97.62%
	Ni 231.604	0.99179	1.00000	99.18%
	Pb 220.353	2.00200	2.00000	100.10%
	Sb 206.836	1.84843	2.00000	92.42%
	Se 196.026	1.05520	1.00000	105.52%
	Sr 407.771	0.98687	1.00000	98.69%
	V 310.230	0.99548	1.00000	99.55%
	Zn 213.857	0.93523	1.00000	93.52%
LCM2	Ag 328.068	0.04990	0.05000	99.79%
03:56:11 PM	Ag 338.289	0.05065	0.05000	101.30%
Hi AQC	Al 308.215	98.864	100.000	98.86%
04:00:39 PM	Ca 315.887	105.320	100.000	105.32%
	Fe 273.955	105.033	100.000	105.03%
	K 766.490	106.397	100.000	106.40%
	Mg 279.077	60.110	60.000	100.18%
	Na 589.592	96.984	100.000	96.98%

Jun
25 Sept 01

Instrument QC Seventh

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

LCM1	Al 396.153	0.93120	1.00000	93.12%
04:45:29 PM	As 193.696	2.00582	2.00000	100.29%
	B 249.677	0.89675	1.00000	89.67%
	Ba 455.403	1.00108	1.00000	100.11%
	Be 313.042	0.97192	1.00000	97.19%
	Cd 226.502	0.98795	1.00000	98.80%
	Co 228.616	1.00123	1.00000	100.12%
	Cr 267.716	0.98695	1.00000	98.70%
	Cu 327.393	0.95602	1.00000	95.60%
	Fe 259.939	0.95916	1.00000	95.92%
	Li 670.784	0.98321	1.00000	98.32%
	Mg 280.271	0.96742	1.00000	96.74%
	Mn 257.610	0.98564	1.00000	98.56%
	Ni 231.604	0.99327	1.00000	99.33%
	Pb 220.353	1.98632	2.00000	99.32%
	Sb 206.836	1.83092	2.00000	91.55%
	Se 196.026	1.05042	1.00000	105.04%
	Sr 407.771	0.98090	1.00000	98.09%
	V 310.230	0.99946	1.00000	99.95%
	Zn 213.857	0.90503	1.00000	90.50%
LCM2	Ag 328.068	0.05011	0.05000	100.21%
04:49:58 PM	Ag 338.289	0.05016	0.05000	100.31%
Hi AQC	Al 308.215	95.133	100.000	95.13%
04:54:26 PM	Ca 315.887	101.865	100.000	101.87%
	Fe 273.955	101.175	100.000	101.17%
	K 766.490	102.375	100.000	102.37%
	Mg 279.077	58.509	60.000	97.51%
	Na 589.592	96.753	100.000	96.75%

Jun
25 Sept 01

Report Level Check First

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

RLC	Ag 328.068	0.00232	0.00200	116.13%
10:35:09 AM	Ag 338.289	0.00137	0.00200	68.41%
	Al 308.215	0.00261	0.06000	4.35%
	Al 396.153	-0.00951	0.06000	-15.85%
	As 193.696	0.01481	0.01500	98.73%
	B 249.677	0.04884	0.04000	122.09%
	Ba 455.403	0.00196	0.00200	98.22%
	Be 313.042	0.00096	0.00100	96.36%
	Ca 315.887	-0.04088	0.03000	-136.27%
	Cd 226.502	0.00114	0.00100	114.10%
	Co 228.616	0.00155	0.00200	77.59%
	Cr 267.716	0.00317	0.00300	105.55%
	Cu 327.393	0.00250	0.00400	62.49%
	Fe 259.939	0.02456	0.02000	122.80%
	Fe 273.955	0.03785	0.02000	189.24%
	K 766.490	1.05056	0.80000	131.32%
	Li 670.784	0.02419	0.02500	96.77%
	Mg 279.077	-0.01479	0.00500	-295.75%
	Mg 280.271	0.00037	0.00500	7.37%
	Mn 257.610	0.00149	0.00200	74.62%
	Na 589.592	0.48118	0.40000	120.30%
	Ni 231.604	0.00198	0.00200	98.96%
	Pb 220.353	0.01181	0.01000	118.08%
	Sb 206.836	0.00377	0.00400	94.37%
	Se 196.026	0.03261	0.03000	108.69%
	Sr 407.771	-0.00182	0.00100	-181.53%
	V 310.230	0.00905	0.00600	150.85%
	Zn 213.857	0.05338	0.04500	118.62%

[illegible]
21 Sept 01

Report Level Check Second

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

RLC	Ag 328.068	0.00160	0.00200	79.96%
02:57:51 PM	Ag 338.289	0.00115	0.00200	57.68%
	Al 308.215	0.01524	0.06000	25.40%
	Al 396.153	-0.01538	0.06000	-25.63%
	As 193.696	0.01704	0.01500	113.61%
	B 249.677	0.02769	0.04000	69.23%
	Ba 455.403	0.00186	0.00200	92.82%
	Be 313.042	0.00141	0.00100	141.29%
	Ca 315.887	-0.03807	0.03000	-126.90%
	Cd 226.502	0.00110	0.00100	110.06%
	Co 228.616	0.00193	0.00200	96.34%
	Cr 267.716	0.00314	0.00300	104.70%
	Cu 327.393	0.00323	0.00400	80.84%
	Fe 259.939	0.02544	0.02000	127.21%
	Fe 273.955	0.02041	0.02000	102.06%
	K 766.490	0.94729	0.80000	118.41%
	Li 670.784	0.02230	0.02500	89.20%
	Mg 279.077	-0.00445	0.00500	-88.95%
	Mg 280.271	0.00191	0.00500	38.27%
	Mn 257.610	0.00181	0.00200	90.50%
	Na 589.592	0.37654	0.40000	94.13%
	Ni 231.604	0.00187	0.00200	93.74%
	Pb 220.353	0.01031	0.01000	103.10%
	Sb 206.836	0.00304	0.00400	75.97%
	Se 196.026	0.03371	0.03000	112.37%
	Sr 407.771	-0.00200	0.00100	-200.48%
	V 310.230	0.01058	0.00600	176.38%
	Zn 213.857	0.04914	0.04500	109.21%

Jm
25 Sept 01

Digestion Blank

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			MDL	
LRB	Ag 328.068	0.00025	0.00041	
11:43:09 AM	Ag 338.289	-0.00003	0.00051	
	Al 308.215	-0.05459	0.02200	out
	Al 396.153	-0.06811	0.01600	out
	As 193.696	-0.00712	0.00340	out
	B 249.677	-0.00772	0.01200	
	Ba 455.403	-0.00004	0.00050	
	Be 313.042	-0.00043	0.00015	out
	Ca 315.887	-0.07788	0.01400	out
	Cd 226.502	0.00000	0.00014	
	Co 228.616	0.00038	0.00050	
	Cr 267.716	0.00008	0.00082	
	Cu 327.393	-0.00147	0.00110	out
	Fe 259.939	0.01190	0.00540	out
	Fe 273.955	0.01282	0.00850	out
	K 766.490	-0.27462	0.24000	out
	Li 670.784	-0.01920	0.00620	out
	Mg 279.077	-0.02094	0.02700	
	Mg 280.271	-0.01148	0.00140	out
	Mn 257.610	-0.00092	0.00050	out
	Na 589.592	-0.16024	0.12000	out
	Ni 231.604	0.00016	0.00040	
	Pb 220.353	0.00016	0.00220	
	Sb 206.836	-0.00200	0.00120	out
	Se 196.026	0.00299	0.00620	
	Sr 407.771	-0.00287	0.00020	out
	V 310.230	0.00294	0.00180	out
	Zn 213.857	0.01693	0.01400	out

Jwm
25 Sep 01

Spiked Blank

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

LFB	Ag 328.068	0.02550	0.02500	101.01%
11:47:58 AM	Ag 338.289	0.02586	0.02500	103.55%
	Al 308.215	0.96423	1.00000	101.88%
	Al 396.153	0.99479	1.00000	106.29%
	As 193.696	0.20480	0.20000	105.96%
	B 249.677	0.84369	1.00000	85.14%
	Ba 455.403	0.19529	0.20000	97.67%
	Be 313.042	0.00977	0.01000	102.02%
	Ca 315.887	53.17705	50.00000	106.51%
	Cd 226.502	0.04978	0.05000	99.55%
	Co 228.616	0.09802	0.10000	97.64%
	Cr 267.716	0.10032	0.10000	100.23%
	Cu 327.393	0.09589	0.10000	97.36%
	Fe 259.939	0.98921	1.00000	97.73%
	Fe 273.955	1.11291	1.00000	110.01%
	K 766.490	25.88543	25.00000	104.64%
	Li 670.784	0.08120	0.10000	100.40%
	Mg 279.077	20.29686	20.00000	101.59%
	Mg 280.271	19.50348	20.00000	97.57%
	Mn 257.610	0.18941	0.20000	95.16%
	Na 589.592	50.82765	50.00000	101.98%
	Ni 231.604	0.19795	0.20000	98.90%
	Pb 220.353	0.51204	0.50000	102.38%
	Sb 206.836	0.51752	0.50000	103.90%
	Se 196.026	0.49761	0.50000	98.92%
	Sr 407.771	0.98376	1.00000	98.66%
	V 310.230	0.10518	0.10000	102.24%
	Zn 213.857	0.98491	1.00000	96.80%

JVM
25 Sept 01

SPIKE

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

	Element	Units	Sample	Spike	Spike Added	% Recovery
filter blank	Ag 328.068	mg/L	0.00008	0.02447	0.02500	97.57%
	Ag 338.289	mg/L	-0.00054	0.02457	0.02500	100.47%
	Al 308.215	mg/L	0.97431	1.93179	1.00000	95.75%
	Al 396.153	mg/L	0.97644	1.99384	1.00000	101.74%
	As 193.696	mg/L	-0.00773	0.19452	0.20000	101.13%
	B 249.677	mg/L	0.42063	1.25294	1.00000	83.23%
	Ba 455.403	mg/L	0.23712	0.43239	0.20000	97.64%
	Be 313.042	mg/L	-0.00031	0.00966	0.01000	99.60%
	Ca 315.88	mg/L	3.25002	56.62094	50.00000	106.74%
	Cd 226.50	mg/L	0.00000	0.04781	0.05000	95.61%
	Co 228.61	mg/L	0.00020	0.09186	0.10000	91.66%
	Cr 267.716	mg/L	0.00528	0.09917	0.10000	93.89%
	Cu 327.39	mg/L	-0.00130	0.09051	0.10000	91.81%
	Fe 259.939	mg/L	0.09258	1.06057	1.00000	96.80%
	Fe 273.955	mg/L	0.11323	1.16746	1.00000	105.42%
	K 766.490	mg/L	1.60290	28.14988	25.00000	106.19%
	Li 670.784	mg/L	-0.01705	0.08625	0.10000	103.30%
	Mg 279.07	mg/L	0.94751	20.82306	20.00000	99.38%
	Mg 280.27	mg/L	0.87551	19.91044	20.00000	95.17%
	Mn 257.61	mg/L	0.00042	0.18695	0.20000	93.27%
	Na 589.59	mg/L	46.80623	96.70876	50.00000	99.81%
	Ni 231.604	mg/L	0.00065	0.18588	0.20000	92.62%
	Pb 220.353	mg/L	0.00023	0.49259	0.50000	98.47%
	Sb 206.836	mg/L	-0.00266	0.43815	0.50000	88.16%
	Se 196.026	mg/L	0.00192	0.48840	0.50000	97.30%
	Sr 407.771	mg/L	-0.00105	0.95744	1.00000	95.85%
	V 310.230	mg/L	0.00376	0.10054	0.10000	96.78%
	Zn 213.857	mg/L	0.03036	0.96381	1.00000	93.35%

JM
25 Sept 01

DUPLICATE

Sample Number: 2001AH08S03
Sample Batch Number: 20010071
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

Element	Units	Sample	Duplicate	Difference	Reporting Limit	RPD
As 193.696	µg/filter	0.17	-0.81	0.98	9.000	-306.09%
Ba 455.403	µg/filter	146.11	132.22	13.89	1.200	9.98%
Be 313.042	µg/filter	0.28	0.15	0.13	0.600	59.90%
Cd 226.50	µg/filter	0.21	0.11	0.10	0.600	61.44%
Cr 267.716	µg/filter	4.24	4.10	0.14	1.800	3.33%
Co 228.61	µg/filter	0.84	1.02	-0.18	1.200	-19.14%
Cu 327.39	µg/filter	305.88	279.27	26.61	2.400	9.09%
Fe 259.939	µg/filter	303.41	286.28	17.12	12.000	5.81%
Pb 220.353	µg/filter	5.85	5.09	0.76	6.000	13.95%
Mg 280.27	µg/filter	643.62	591.08	52.54	3.000	8.51%
Mn 257.61	µg/filter	10.29	9.72	0.57	1.200	5.65%
Ni 231.604	µg/filter	1.65	1.58	0.06	1.200	4.02%
Se 196.026	µg/filter	5.91	4.03	1.88	18.000	37.82%

JWM 25 Sept 01

DUPLICATE

Sample Number: 2001AH09S02
Sample Batch Number: 20010072
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

Element	Units	Sample	Duplicate	Difference	Reporting Limit	RPD
As 193.696	µg/filter	-0.63	-1.92	1.29	9.000	-101.15%
Ba 455.403	µg/filter	162.24	163.35	-1.11	1.200	-0.68%
Be 313.042	µg/filter	0.13	0.15	-0.02	0.600	-16.51%
Cd 226.50	µg/filter	0.03	0.01	0.02	0.600	78.88%
Cr 267.716	µg/filter	4.01	3.98	0.03	1.800	0.78%
Co 228.61	µg/filter	0.76	0.66	0.11	1.200	14.86%
Cu 327.39	µg/filter	46.44	47.89	-1.44	2.400	-3.06%
Fe 259.939	µg/filter	333.46	341.51	-8.05	12.000	-2.39%
Pb 220.353	µg/filter	2.91	3.24	-0.33	6.000	-10.60%
Mg 280.27	µg/filter	682.62	676.68	5.94	3.000	0.87%
Mn 257.61	µg/filter	11.99	12.46	-0.46	1.200	-3.78%
Ni 231.604	µg/filter	1.58	1.32	0.26	1.200	17.98%
Se 196.026	µg/filter	1.96	1.54	0.43	18.000	24.37%

[illegible]
25 Sept 01

DUPLICATE

Sample Number: 2001AH10S01
Sample Batch Number: 20010073
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

Element	Units	Sample	Duplicate	Difference	Reporting Limit	RPD
As 193.696	µg/filter	-0.80	0.57	-1.37	9.000	1155.30%
Ba 455.403	µg/filter	151.10	142.29	8.81	1.200	6.00%
Be 313.042	µg/filter	0.20	0.22	-0.02	0.600	-8.94%
Cd 226.50	µg/filter	0.75	0.83	-0.08	0.600	-10.51%
Cr 267.716	µg/filter	5.08	4.75	0.34	1.800	6.85%
Co 228.61	µg/filter	0.67	0.83	-0.16	1.200	-21.37%
Cu 327.39	µg/filter	1282.71	1136.49	146.22	2.400	12.09%
Fe 259.939	µg/filter	829.66	795.70	33.97	12.000	4.18%
Pb 220.353	µg/filter	21.24	17.60	3.64	6.000	18.76%
Mg 280.27	µg/filter	656.84	622.04	34.80	3.000	5.44%
Mn 257.61	µg/filter	74.58	70.61	3.97	1.200	5.46%
Ni 231.604	µg/filter	2.99	2.85	0.14	1.200	4.95%
Se 196.026	µg/filter	7.61	10.44	-2.83	18.000	-31.39%

JWS
25 Sept 01

SIC Solutions

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			RL	
SIC Co V	Ag 328.068	-0.00111	0.00200	
	Ag 338.289	-0.00005	0.00200	
	Al 308.215	0.07552	0.06000	out
	Al 396.153	0.06500	0.06000	out
	As 193.696	-0.00693	0.01500	
	B 249.677	0.00849	0.04000	
	Ba 455.403	0.00019	0.00200	
	Be 313.042	0.00021	0.00100	
	Ca 315.887	0.03256	0.03000	out
	Cd 226.502	-0.00007	0.00100	
	Co 228.616	9.79120	0.00200	
	Cr 267.716	0.00724	0.00300	out
	Cu 327.393	0.00104	0.00400	
	Fe 259.939	0.13738	0.02000	out
	Fe 273.955	0.14489	0.02000	out
	K 766.490	0.16004	0.80000	
	Li 670.784	-0.00658	0.02500	
	Mg 279.077	0.08004	0.00500	out
	Mg 280.271	0.10398	0.00500	out
	Mn 257.610	-0.00026	0.00200	
	Na 589.592	0.11658	0.40000	
	Ni 231.604	0.00044	0.00200	
	Pb 220.353	-0.00084	0.01000	
	Sb 206.836	-0.00435	0.00400	out
	Se 196.026	-0.00094	0.03000	
	Sr 407.771	-0.00291	0.00100	out
	V 310.230	9.74289	0.00600	
	Zn 213.857	0.01459	0.04500	

JWM
25 Sep 01

SIC Solutions

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			RL	
SIC Ce	Ag 328.068	-0.00049	0.00200	
	Ag 338.289	-0.00279	0.00200	out
	Al 308.215	-0.04524	0.06000	
	Al 396.153	0.18890	0.06000	out
	As 193.696	-0.00371	0.01500	
	B 249.677	0.00128	0.04000	
	Ba 455.403	-0.00014	0.00200	
	Be 313.042	-0.00018	0.00100	
	Ca 315.887	-0.09106	0.03000	out
	Cd 226.502	0.00000	0.00100	
	Co 228.616	0.00056	0.00200	
	Cr 267.716	0.00043	0.00300	
	Cu 327.393	-0.00240	0.00400	
	Fe 259.939	0.00264	0.02000	
	Fe 273.955	0.01105	0.02000	
	K 766.490	0.10786	0.80000	
	Li 670.784	-0.00136	0.02500	
	Mg 279.077	-0.02464	0.00500	out
	Mg 280.271	-0.01611	0.00500	out
	Mn 257.610	-0.00044	0.00200	
	Na 589.592	0.05437	0.40000	
	Ni 231.604	-0.00010	0.00200	
	Pb 220.353	0.00379	0.01000	
	Sb 206.836	0.00058	0.00400	
	Se 196.026	-0.00215	0.03000	
	Sr 407.771	-0.00341	0.00100	out
	V 310.230	0.00126	0.00600	
	Zn 213.857	0.00732	0.04500	

[illegible]
25 Sep 01

SIC Solutions

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			RL	
SIC Cr	Ag 328.068	-0.00020	0.00200	
	Ag 338.289	-0.00056	0.00200	
	Al 308.215	-0.05187	0.06000	
	Al 396.153	-0.06536	0.06000	out
	As 193.696	-0.00370	0.01500	
	B 249.677	0.01035	0.04000	
	Ba 455.403	-0.00020	0.00200	
	Be 313.042	-0.00014	0.00100	
	Ca 315.887	-0.12976	0.03000	out
	Cd 226.502	-0.00003	0.00100	
	Co 228.616	-0.00296	0.00200	out
	Cr 267.716	9.99216	0.00300	
	Cu 327.393	-0.00231	0.00400	
	Fe 259.939	0.00496	0.02000	
	Fe 273.955	0.01706	0.02000	
	K 766.490	0.18031	0.80000	
	Li 670.784	-0.00335	0.02500	
	Mg 279.077	0.00470	0.00500	
	Mg 280.271	-0.01926	0.00500	out
	Mn 257.610	-0.00039	0.00200	
	Na 589.592	0.03804	0.40000	
	Ni 231.604	0.00058	0.00200	
	Pb 220.353	0.00044	0.01000	
	Sb 206.836	0.01551	0.00400	out
	Se 196.026	-0.00510	0.03000	
	Sr 407.771	-0.00285	0.00100	out
	V 310.230	0.00281	0.00600	
	Zn 213.857	0.00766	0.04500	

NM
25 Sept 01

SIC Solutions

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			RL	
SIC Fe	Ag 328.068	-0.00105	0.00200	
	Ag 338.289	0.00045	0.00200	
	Al 308.215	-0.02220	0.06000	
	Al 396.153	-0.04033	0.06000	
	As 193.696	-0.01177	0.01500	
	B 249.677	-0.01169	0.04000	
	Ba 455.403	-0.00009	0.00200	
	Be 313.042	0.00004	0.00100	
	Ca 315.887	-0.08331	0.03000	out
	Cd 226.502	0.00486	0.00100	out
	Co 228.616	0.00062	0.00200	
	Cr 267.716	-0.00022	0.00300	
	Cu 327.393	-0.00488	0.00400	out
	Fe 259.939	283.27605	0.02000	
	Fe 273.955	320.32031	0.02000	
	K 766.490	-0.06668	0.80000	
	Li 670.784	-0.00557	0.02500	
	Mg 279.077	0.03305	0.00500	out
	Mg 280.271	-0.00809	0.00500	out
	Mn 257.610	0.00803	0.00200	out
	Na 589.592	-0.08682	0.40000	
	Ni 231.604	0.00289	0.00200	out
	Pb 220.353	0.01142	0.01000	out
	Sb 206.836	-0.00360	0.00400	
	Se 196.026	-0.05083	0.03000	out
	Sr 407.771	-0.00302	0.00100	out
	V 310.230	0.00546	0.00600	
	Zn 213.857	0.00392	0.04500	

JVM
25 Sept 01

SIC Solutions

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			RL	
SIC Mn	Ag 328.068	0.00019	0.00200	
	Ag 338.289	0.00079	0.00200	
	Al 308.215	-0.04801	0.06000	
	Al 396.153	-0.07002	0.06000	out
	As 193.696	0.00019	0.01500	
	B 249.677	-0.01802	0.04000	
	Ba 455.403	-0.00024	0.00200	
	Be 313.042	0.00002	0.00100	
	Ca 315.887	-0.10057	0.03000	out
	Cd 226.502	0.00010	0.00100	
	Co 228.616	-0.00054	0.00200	
	Cr 267.716	0.00019	0.00300	
	Cu 327.393	-0.00178	0.00400	
	Fe 259.939	0.05026	0.02000	out
	Fe 273.955	0.05313	0.02000	out
	K 766.490	-0.14801	0.80000	
	Li 670.784	-0.00667	0.02500	
	Mg 279.077	-0.00940	0.00500	out
	Mg 280.271	-0.01268	0.00500	out
	Mn 257.610	11.90375	0.00200	
	Na 589.592	-0.12212	0.40000	
	Ni 231.604	-0.00004	0.00200	
	Pb 220.353	0.00322	0.01000	
	Sb 206.836	-0.00074	0.00400	
	Se 196.026	0.00263	0.03000	
	Sr 407.771	-0.00271	0.00100	out
	V 310.230	0.00205	0.00600	
	Zn 213.857	0.00564	0.04500	

JM
25 Sept 01

SIC Solutions

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			RL	
SIC Mo	Ag 328.068	-0.00023	0.00200	
	Ag 338.289	0.00041	0.00200	
	Al 308.215	-0.02748	0.06000	
	Al 396.153	-0.02922	0.06000	
	As 193.696	-0.00248	0.01500	
	B 249.677	-0.00155	0.04000	
	Ba 455.403	-0.00011	0.00200	
	Be 313.042	-0.00002	0.00100	
	Ca 315.887	-0.12864	0.03000	out
	Cd 226.502	0.00004	0.00100	
	Co 228.616	0.00224	0.00200	out
	Cr 267.716	0.00045	0.00300	
	Cu 327.393	-0.00108	0.00400	
	Fe 259.939	0.01195	0.02000	
	Fe 273.955	0.01412	0.02000	
	K 766.490	-0.16662	0.80000	
	Li 670.784	-0.00566	0.02500	
	Mg 279.077	-0.03261	0.00500	out
	Mg 280.271	-0.01918	0.00500	out
	Mn 257.610	0.00203	0.00200	out
	Na 589.592	-0.06380	0.40000	
	Ni 231.604	-0.00031	0.00200	
	Pb 220.353	0.00035	0.01000	
	Sb 206.836	0.00450	0.00400	out
	Se 196.026	-0.00332	0.03000	
	Sr 407.771	-0.00264	0.00100	out
	V 310.230	0.00071	0.00600	
	Zn 213.857	0.00279	0.04500	

NA
25 Sept 01

SIC Solutions

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			RL	
SIC Ni	Ag 328.068	0.00001	0.00200	
	Ag 338.289	0.00109	0.00200	
	Al 308.215	-0.04383	0.06000	
	Al 396.153	-0.06089	0.06000	out
	As 193.696	-0.00344	0.01500	
	B 249.677	-0.00872	0.04000	
	Ba 455.403	-0.00025	0.00200	
	Be 313.042	0.00006	0.00100	
	Ca 315.887	-0.12954	0.03000	out
	Cd 226.502	-0.00089	0.00100	
	Co 228.616	-0.00069	0.00200	
	Cr 267.716	0.00012	0.00300	
	Cu 327.393	-0.00165	0.00400	
	Fe 259.939	0.00395	0.02000	
	Fe 273.955	0.00946	0.02000	
	K 766.490	-0.23847	0.80000	
	Li 670.784	-0.00788	0.02500	
	Mg 279.077	-0.03541	0.00500	out
	Mg 280.271	-0.01917	0.00500	out
	Mn 257.610	0.00001	0.00200	
	Na 589.592	-0.11538	0.40000	
	Ni 231.604	9.76406	0.00200	
	Pb 220.353	-0.00017	0.01000	
	Sb 206.836	-0.00174	0.00400	
	Se 196.026	0.00059	0.03000	
	Sr 407.771	-0.00277	0.00100	out
	V 310.230	0.00298	0.00600	
	Zn 213.857	-0.00215	0.04500	

NA
25 Sept 01

SI C Solutions

Sample Batch Number: 20010071_72_73
Analysis Date: 21 Sept 01
Results Data Set: 092101.mdb

			RL	
SI C Ti	Ag 328.068	-0.00079	0.00200	
	Ag 338.289	0.00112	0.00200	
	Al 308.215	-0.03146	0.06000	
	Al 396.153	-0.05465	0.06000	
	As 193.696	0.00078	0.01500	
	B 249.677	0.00637	0.04000	
	Ba 455.403	-0.00018	0.00200	
	Be 313.042	0.00001	0.00100	
	Ca 315.887	-0.12705	0.03000	out
	Cd 226.502	-0.00000	0.00100	
	Co 228.616	0.00047	0.00200	
	Cr 267.716	0.00109	0.00300	
	Cu 327.393	-0.00235	0.00400	
	Fe 259.939	0.00783	0.02000	
	Fe 273.955	0.01263	0.02000	
	K 766.490	-0.24918	0.80000	
	Li 670.784	-0.00204	0.02500	
	Mg 279.077	-0.04016	0.00500	out
	Mg 280.271	-0.01880	0.00500	out
	Mn 257.610	-0.00004	0.00200	
	Na 589.592	-0.14589	0.40000	
	Ni 231.604	0.00156	0.00200	
	Pb 220.353	0.00187	0.01000	
	Sb 206.836	-0.00206	0.00400	
	Se 196.026	-0.00101	0.03000	
	Sr 407.771	-0.00279	0.00100	out
	V 310.230	0.00269	0.00600	
	Zn 213.857	0.00808	0.04500	

Ivm
25 Sept 01

METALS SAMPLE PREPARATION RECORD

Prepared by: JV Morris
Digestion Method: Metals 006

Run Number: 1311
Date: 20 Sept 01

Vessel Number	Data Set Number	Sample Number	pH < 2? Y/N*	Sample Description (Color, Clarity, Texture, Artifacts, etc...) Before Prep.	After Prep.	Remarks
1		LRB	NA			
2		LFB				
3		Filterblank1				G6093012
4		Filterblank2				G6093011
5		Filterblank3				G6093010
6		Filterblk3 spk				G6093010
7	20010071	2001AH08S01				
8		2001AH08D01				
9		2001AH08S02				
10		2001AH08S03				
11	Dup	2001AH08S03				
12	20010072	2001AH09S01				
13		2001AH09D01				
14		2001AH09S02				
15	Dup	2001AH09S02				
16		2001AH09S03				
17	20010073	2001AH10S01				
18	Dup	2001AH10S01				

* Please note: A minimum of 16 hours from time of sampling must elapse before pH of sample can be taken.
If pH > 2, record and date in the Remarks column the actual pH and the amount of acid added to bring pH to < 2.

Comments:

METALS SAMPLE PREPARATION RECORD

Prepared by: JVMorris
Digestion Method: metals 00c

Run Number: 1311
Date: 20 Sept 09

Vessel Number	Data Set Number	Sample Number	pH < 2?	Sample Description (Color, Clarity, Texture, Artifacts, etc...)		Remarks
			Y/N*	Before Prep.	After Prep.	
19	20010073	2001AH10D01	N/A			
20	↓	2001AH10502				
21	↓	2001AH10503				

* Please note: A minimum of 16 hours from time of sampling must elapse before pH of sample can be taken.
If pH > 2, record and date in the Remarks column the actual pH and the amount of acid added to bring pH to < 2.

Comments: