Metals Linear Ranges

Lab Name: **Paragon Analytics**
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Instrument ID: ICPTrace
Active Date: 04/16/2004
Expiration Date: 07/15/2004

CASNO	Target Analyte	Concentration (ppm)
7429-90-5	Aluminum	500
7440-38-2	Arsenic	10
7439-89-6	Iron	200
7439-92-1	Lead	10
7439-96-5	Manganese	10

ICPTrace Run Log -- 7/12/2004

Instrument ID: ICPTrace
File Name: TS40712
AnalRunID: IT040712-1A1
CalibRefID: IT040712-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		MIXBHIGH	MIXBH	1	7/12/2004	14:49	
		MIXAHIGH	MIXAH	1	7/12/2004	14:52	
		ICV	ICV	1	7/12/2004	14:55	
		ICB	ICB	1	7/12/2004	14:59	
		CRI1	CRI	1	7/12/2004	15:02	
		ICSA1	ICSA	1	7/12/2004	15:06	
		ICSAB1	ICSAB	1	7/12/2004	15:08	
		CCV1	CCV	1	7/12/2004	15:11	
		CCB1	CCB	1	7/12/2004	15:20	
		IP040709-2	MB	1	7/12/2004	15:22	IP040709-2
		IP040709-2	LCS	1	7/12/2004	15:26	IP040709-2
	MSED-01	0405096-1	SMP	1	7/12/2004	15:29	IP040709-2
	MSED-01	0405096-1	DUP	1	7/12/2004	15:31	IP040709-2
	MSED-01	0405096-1	SER	5	7/12/2004	15:34	IP040709-2
	MSED-01	0405096-1	MS	1	7/12/2004	15:36	IP040709-2
	MSED-01	0405096-1	MSD	1	7/12/2004	15:39	IP040709-2
	MSED-02	0405096-2	SMP	1	7/12/2004	15:41	IP040709-2
	MSED-03	0405096-3	SMP	1	7/12/2004	15:44	IP040709-2
	MSED-04	0405096-4	SMP	1	7/12/2004	15:46	IP040709-2
		CCV2	CCV	1	7/12/2004	15:49	
		CCB2	CCB	1	7/12/2004	15:51	
	MSED-05	0405096-5	SMP	1	7/12/2004	15:54	IP040709-2
	MSED-06	0405096-6	SMP	1	7/12/2004	15:56	IP040709-2
	MSED-07	0405096-7	SMP	1	7/12/2004	15:59	IP040709-2
	MSED-08	0405096-8	SMP	1	7/12/2004	16:01	IP040709-2
	MSED-09	0405096-9	SMP	1	7/12/2004	16:04	IP040709-2
	MSED-10	0405096-10	SMP	1	7/12/2004	16:06	IP040709-2
	SSED-01	0405096-11	SMP	1	7/12/2004	16:09	IP040709-2
	SSED-02	0405096-12	SMP	1	7/12/2004	16:11	IP040709-2
	SSED-03	0405096-13	SMP	1	7/12/2004	16:14	IP040709-2
	SSED-04	0405096-14	SMP	1	7/12/2004	16:16	IP040709-2
		CCV3	CCV	1	7/12/2004	16:19	
		CCB3	CCB	1	7/12/2004	16:21	
	SSED-05	0405096-15	SMP	1	7/12/2004	16:24	IP040709-2
	SSED-06	0405096-16	SMP	1	7/12/2004	16:26	IP040709-2

Data Package ID: IT0405096-1

ICPTrace Run Log -- 7/12/2004

Instrument ID: ICPTrace
File Name: TS40712
AnalRunID: IT040712-1A1
CalibRefID: IT040712-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
	SSED-07	0405096-17	SMP	1	7/12/2004	16:29	IP040709-2
	SSED-08	0405096-18	SMP	1	7/12/2004	16:31	IP040709-2
	SSED-09	0405096-19	SMP	1	7/12/2004	16:34	IP040709-2
	SSED-10	0405096-20	SMP	1	7/12/2004	16:36	IP040709-2
		Z	Z	1	7/12/2004	16:42	
		Z	Z	1	7/12/2004	16:45	
		Z	Z	1	7/12/2004	16:47	
	MSED-01	0405096-1	SMP	5	7/12/2004	16:50	IP040709-2
		CCV4	CCV	1	7/12/2004	16:53	
		CCB4	CCB	1	7/12/2004	16:55	
	MSED-01	0405096-1	DUP	5	7/12/2004	16:58	IP040709-2
	MSED-01	0405096-1	SER	25	7/12/2004	17:00	IP040709-2
	MSED-01	0405096-1	MS	5	7/12/2004	17:04	IP040709-2
	MSED-01	0405096-1	MSD	5	7/12/2004	17:06	IP040709-2
	MSED-05	0405096-5	SMP	2	7/12/2004	17:09	IP040709-2
	MSED-06	0405096-6	SMP	2	7/12/2004	17:11	IP040709-2
	MSED-07	0405096-7	SMP	2	7/12/2004	17:14	IP040709-2
	MSED-08	0405096-8	SMP	5	7/12/2004	17:16	IP040709-2
	MSED-10	0405096-10	SMP	2	7/12/2004	17:19	IP040709-2
	SSED-03	0405096-13	SMP	2	7/12/2004	17:21	IP040709-2
		CCV5	CCV	1	7/12/2004	17:24	
		CCB5	CCB	1	7/12/2004	17:26	
	SSED-07	0405096-17	SMP	2	7/12/2004	17:29	IP040709-2
	SSED-08	0405096-18	SMP	2	7/12/2004	17:32	IP040709-2
		0406187-7	A	1	7/12/2004	17:34	IP040625-2
		IDL-1	IDL-1	1	7/12/2004	17:43	
		IDL-2	IDL-2	1	7/12/2004	17:46	
		IDL-3	IDL-3	1	7/12/2004	17:51	
		IDL-4	IDL-4	1	7/12/2004	17:53	
		IDL-5	IDL-5	1	7/12/2004	17:58	
		IDL-6	IDL-6	1	7/12/2004	18:00	
		IDL-7	IDL-7	1	7/12/2004	18:03	
		CCV6	CCV	1	7/12/2004	18:06	
		CCB6	CCB	1	7/12/2004	18:08	
		CRI2	CRI	1	7/12/2004	18:11	

Data Package ID: IT0405096-1

ICPTrace Run Log -- 7/12/2004

Instrument ID: ICPTrace
File Name: TS40712
AnalRunID: IT040712-1A1
CalibRefID: IT040712-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		ICSA2	ICSA	1	7/12/2004	18:16	
		ICSAB2	ICSAB	1	7/12/2004	18:19	
		CCV7	CCV	1	7/12/2004	18:21	
		CCB7	CCB	1	7/12/2004	18:24	
		IP040709-3	MB	1	7/12/2004	18:28	IP040709-3
		IP040709-3	LCS	1	7/12/2004	18:31	IP040709-3
	GEN-01	0405096-21	SMP	1	7/12/2004	18:33	IP040709-3
	GEN-01	0405096-21	DUP	1	7/12/2004	18:36	IP040709-3
	GEN-01	0405096-21	SER	5	7/12/2004	18:38	IP040709-3
	GEN-01	0405096-21	MS	1	7/12/2004	18:41	IP040709-3
	GEN-01	0405096-21	MSD	1	7/12/2004	18:43	IP040709-3
	GEN-02	0405096-22	SMP	1	7/12/2004	18:46	IP040709-3
	GEN-03	0405096-23	SMP	1	7/12/2004	18:48	IP040709-3
	GEN-04	0405096-24	SMP	1	7/12/2004	18:51	IP040709-3
		CCV8	CCV	1	7/12/2004	18:53	
		CCB8	CCB	1	7/12/2004	18:56	
	SOIL-01	0405096-25	SMP	1	7/12/2004	18:58	IP040709-3
	SOIL-02	0405096-26	SMP	1	7/12/2004	19:01	IP040709-3
	SOIL-04	0405096-27	SMP	1	7/12/2004	19:03	IP040709-3
	SOIL-05	0405096-28	SMP	1	7/12/2004	19:06	IP040709-3
	SOIL-07	0405096-29	SMP	1	7/12/2004	19:08	IP040709-3
	SOIL-08	0405096-30	SMP	1	7/12/2004	19:11	IP040709-3
	SOIL-09	0405096-31	SMP	1	7/12/2004	19:13	IP040709-3
	SOIL-10	0405096-32	SMP	1	7/12/2004	19:16	IP040709-3
		0405097-1	SMP	1	7/12/2004	19:18	IP040709-3
		0405097-2	SMP	1	7/12/2004	19:21	IP040709-3
		CCV9	CCV	1	7/12/2004	19:23	
		CCB9	CCB	1	7/12/2004	19:26	
		0405097-3	SMP	1	7/12/2004	19:28	IP040709-3
		0405097-4	SMP	1	7/12/2004	19:31	IP040709-3
		0405097-5	SMP	1	7/12/2004	19:34	IP040709-3
		0405097-6	SMP	1	7/12/2004	19:36	IP040709-3
		0405097-7	SMP	1	7/12/2004	19:39	IP040709-3
		0405097-8	SMP	1	7/12/2004	19:41	IP040709-3
		CRI3	CRI	1	7/12/2004	19:44	

Data Package ID: IT0405096-1

ICPTrace Run Log -- 7/12/2004

Instrument ID: ICPTrace
File Name: TS40712
AnalRunID: IT040712-1A1
CalibRefID: IT040712-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		ICSA3	ICSA	1	7/12/2004	19:46	
		ICSAB3	ICSAB	1	7/12/2004	19:49	
		CCV10	CCV	1	7/12/2004	19:51	
		CCB10	CCB	1	7/12/2004	19:54	

Data Package ID: IT0405096-1

ICPTrace Run Log -- 7/13/2004

Instrument ID: ICPTrace
File Name: ts40713
AnalRunID: IT040713-1A1
CalibRefID: IT040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		MIXBHIGH	MIXBH	1	7/13/2004	09:17	
		MIXAHIGH	MIXAH	1	7/13/2004	09:19	
		ICV	ICV	1	7/13/2004	09:22	
		ICB	ICB	1	7/13/2004	09:25	
		CRI1	CRI	1	7/13/2004	09:27	
		ICSA1	ICSA	1	7/13/2004	09:30	
		ICSAB1	ICSAB	1	7/13/2004	09:32	
		CCV1	CCV	1	7/13/2004	09:35	
		CCB1	CCB	1	7/13/2004	09:37	
	GEN-01	0405096-21	SMP	2	7/13/2004	09:44	IP040709-3
	GEN-01	0405096-21	DUP	2	7/13/2004	09:46	IP040709-3
	GEN-01	0405096-21	SER	10	7/13/2004	09:49	IP040709-3
	GEN-01	0405096-21	MS	2	7/13/2004	09:51	IP040709-3
	GEN-01	0405096-21	MSD	2	7/13/2004	09:54	IP040709-3
	GEN-03	0405096-23	SMP	2	7/13/2004	09:56	IP040709-3
	SOIL-04	0405096-27	SMP	2	7/13/2004	09:59	IP040709-3
	SOIL-05	0405096-28	SMP	2	7/13/2004	10:01	IP040709-3
	SOIL-10	0405096-32	SMP	2	7/13/2004	10:04	IP040709-3
		0405097-1	SMP	2	7/13/2004	10:07	IP040709-3
		CCV2	CCV	1	7/13/2004	10:09	
		CCB2	CCB	1	7/13/2004	10:12	
		IP040709-4	MB	1	7/13/2004	10:14	IP040709-4
		IP040709-4	LCS	1	7/13/2004	10:17	IP040709-4
		0405097-9	SMP	1	7/13/2004	10:19	IP040709-4
		0405097-9	DUP	1	7/13/2004	10:22	IP040709-4
		0405097-9	SER	5	7/13/2004	10:24	IP040709-4
		0405097-9	MS	1	7/13/2004	10:27	IP040709-4
		0405097-9	MSD	1	7/13/2004	10:29	IP040709-4
		0405097-10	SMP	1	7/13/2004	10:32	IP040709-4
		0405097-11	SMP	1	7/13/2004	10:34	IP040709-4
		0405097-12	SMP	1	7/13/2004	10:37	IP040709-4
		CCV3	CCV	1	7/13/2004	10:39	
		CCB3	CCB	1	7/13/2004	10:42	
		0405097-13	SMP	1	7/13/2004	10:44	IP040709-4
		0405097-14	SMP	1	7/13/2004	10:47	IP040709-4

Data Package ID: IT0405096-1

Paragon Analytics
LIMS Version: 5.041A

Date Printed: Friday, July 23, 2004

ICPTrace Run Log -- 7/13/2004

Instrument ID: ICPTrace
File Name: ts40713
AnalRunID: IT040713-1A1
CalibRefID: IT040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0405097-15	SMP	1	7/13/2004	10:49	IP040709-4
		0405097-16	SMP	1	7/13/2004	10:52	IP040709-4
		0405097-17	SMP	1	7/13/2004	10:54	IP040709-4
		0405097-18	SMP	1	7/13/2004	10:57	IP040709-4
		0405097-20	SMP	1	7/13/2004	10:59	IP040709-4
		0405097-22	SMP	1	7/13/2004	11:02	IP040709-4
		0405097-24	SMP	1	7/13/2004	11:05	IP040709-4
		0405097-25	SMP	1	7/13/2004	11:07	IP040709-4
		CCV4	CCV	1	7/13/2004	11:10	
		CCB4	CCB	1	7/13/2004	11:12	
		0405097-26	SMP	1	7/13/2004	11:15	IP040709-4
		0405097-27	SMP	1	7/13/2004	11:17	IP040709-4
		0405097-29	SMP	1	7/13/2004	11:20	IP040709-4
		0405097-30	SMP	1	7/13/2004	11:22	IP040709-4
		0405097-9	A	1	7/13/2004	11:26	IP040709-4
		CRI2	CRI	1	7/13/2004	11:28	
		ICSA2	ICSA	1	7/13/2004	11:32	
		ICSAB2	ICSAB	1	7/13/2004	11:35	
		CCV5	CCV	1	7/13/2004	11:37	
		CCB5	CCB	1	7/13/2004	11:40	
		IP040712-2	MB	1	7/13/2004	12:01	IP040712-2
		IP040712-2	LCS	1	7/13/2004	12:03	IP040712-2
		0406206-1	SMP	1	7/13/2004	12:07	IP040712-2
		0406206-2	SMP	1	7/13/2004	12:10	IP040712-2
		0406206-3	SMP	1	7/13/2004	12:12	IP040712-2
		0406245-1	SMP	1	7/13/2004	12:15	IP040712-2
		0406245-1	DUP	1	7/13/2004	12:17	IP040712-2
		0406245-1	SER	5	7/13/2004	12:20	IP040712-2
		0406245-1	MS	1	7/13/2004	12:23	IP040712-2
		0406245-1	MSD	1	7/13/2004	12:26	IP040712-2
		CCV6	CCV	1	7/13/2004	12:28	
		CCB6	CCB	1	7/13/2004	12:31	
		0406245-2	SMP	1	7/13/2004	12:33	IP040712-2
		0406245-3	SMP	1	7/13/2004	12:36	IP040712-2
		0406245-5	SMP	1	7/13/2004	12:38	IP040712-2

Data Package ID: IT0405096-1

ICPTrace Run Log -- 7/13/2004

Instrument ID: ICPTrace
File Name: ts40713
AnalRunID: IT040713-1A1
CalibRefID: IT040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0406245-6	SMP	1	7/13/2004	12:41	IP040712-2
		0406206-2	SMP	5	7/13/2004	12:47	IP040712-2
		0406206-3	SMP	5	7/13/2004	12:49	IP040712-2
		0406245-1	SMP	5	7/13/2004	12:52	IP040712-2
		0406245-1	DUP	5	7/13/2004	12:54	IP040712-2
		0406245-1	SER	25	7/13/2004	12:57	IP040712-2
		0406245-1	MS	5	7/13/2004	12:59	IP040712-2
		CCV7	CCV	1	7/13/2004	13:02	
		CCB7	CCB	1	7/13/2004	13:05	
		0406245-1	MSD	5	7/13/2004	13:07	IP040712-2
		IP040712-1	MB	1	7/13/2004	13:10	IP040712-1
		IP040712-1	LCS	1	7/13/2004	13:12	IP040712-1
		0406258-1	SMP	5	7/13/2004	13:15	IP040712-1
		0406258-2	SMP	5	7/13/2004	13:17	IP040712-1
		0406258-3	SMP	5	7/13/2004	13:20	IP040712-1
		0406258-4	SMP	5	7/13/2004	13:22	IP040712-1
		0406258-5	SMP	5	7/13/2004	13:25	IP040712-1
		0406258-6	SMP	5	7/13/2004	13:27	IP040712-1
		0406258-7	SMP	5	7/13/2004	13:30	IP040712-1
		CCV8	CCV	1	7/13/2004	13:32	
		CCB8	CCB	1	7/13/2004	13:35	
		CRI3	CRI	1	7/13/2004	13:40	
		ICSA3	ICSA	1	7/13/2004	13:42	
		ICSAB3	ICSAB	1	7/13/2004	13:45	
		CCV9	CCV	1	7/13/2004	13:47	
		CCB9	CCB	1	7/13/2004	13:50	
		0406258-8	SMP	5	7/13/2004	13:58	IP040712-1
		0406258-9	SMP	5	7/13/2004	14:00	IP040712-1
		0406258-10	SMP	5	7/13/2004	14:03	IP040712-1
		0406258-11	SMP	5	7/13/2004	14:05	IP040712-1
		0406258-12	SMP	5	7/13/2004	14:08	IP040712-1
		0406258-13	SMP	5	7/13/2004	14:10	IP040712-1
		0406258-13	DUP	5	7/13/2004	14:13	IP040712-1
		0406258-13	SER	25	7/13/2004	14:15	IP040712-1
		0406258-13	MS	5	7/13/2004	14:18	IP040712-1

Data Package ID: IT0405096-1

ICPTrace Run Log -- 7/13/2004

Instrument ID: ICPTrace
File Name: ts40713
AnalRunID: IT040713-1A1
CalibRefID: IT040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0406258-13	MSD	5	7/13/2004	14:20	IP040712-1
		CCV10	CCV	1	7/13/2004	14:23	
		CCB10	CCB	1	7/13/2004	14:26	
		0406258-14	SMP	5	7/13/2004	14:28	IP040712-1
		0406258-15	SMP	5	7/13/2004	14:31	IP040712-1
		0406258-16	SMP	5	7/13/2004	14:33	IP040712-1
		0406258-17	SMP	5	7/13/2004	14:36	IP040712-1
		0406258-18	SMP	5	7/13/2004	14:38	IP040712-1
		0406258-19	SMP	5	7/13/2004	14:41	IP040712-1
		0406258-20	SMP	5	7/13/2004	14:43	IP040712-1
		IP040712-3	MB	1	7/13/2004	14:46	IP040712-3
		IP040712-3	LCS	1	7/13/2004	14:48	IP040712-3
		0406259-1	SMP	5	7/13/2004	14:51	IP040712-3
		CCV11	CCV	1	7/13/2004	14:53	
		CCB11	CCB	1	7/13/2004	14:56	
		0406259-2	SMP	5	7/13/2004	14:58	IP040712-3
		0406259-3	SMP	5	7/13/2004	15:01	IP040712-3
		0406259-4	SMP	5	7/13/2004	15:03	IP040712-3
		0406259-5	SMP	5	7/13/2004	15:06	IP040712-3
		0406259-6	SMP	5	7/13/2004	15:09	IP040712-3
		0406259-7	SMP	5	7/13/2004	15:11	IP040712-3
		0406259-8	SMP	5	7/13/2004	15:14	IP040712-3
		0406259-9	SMP	5	7/13/2004	15:16	IP040712-3
		0406259-10	SMP	5	7/13/2004	15:19	IP040712-3
		0406259-11	SMP	5	7/13/2004	15:21	IP040712-3
		CCV12	CCV	1	7/13/2004	15:24	
		CCB12	CCB	1	7/13/2004	15:26	
		0406259-12	SMP	5	7/13/2004	15:29	IP040712-3
		0406259-13	SMP	5	7/13/2004	15:31	IP040712-3
		0406259-13	DUP	5	7/13/2004	15:34	IP040712-3
		0406259-13	SER	25	7/13/2004	15:36	IP040712-3
		0406259-13	MS	5	7/13/2004	15:39	IP040712-3
		0406259-13	MSD	5	7/13/2004	15:41	IP040712-3
		0406259-14	SMP	5	7/13/2004	15:44	IP040712-3
		0406259-15	SMP	5	7/13/2004	15:46	IP040712-3

Data Package ID: IT0405096-1

ICPTrace Run Log -- 7/13/2004

Instrument ID: ICPTrace
File Name: ts40713
AnalRunID: IT040713-1A1
CalibRefID: IT040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0406259-16	SMP	5	7/13/2004	15:49	IP040712-3
		0406259-17	SMP	5	7/13/2004	15:51	IP040712-3
		CCV13	CCV	1	7/13/2004	15:54	
		CCB13	CCB	1	7/13/2004	15:56	
		0406259-18	SMP	5	7/13/2004	16:00	IP040712-3
		0406259-19	SMP	5	7/13/2004	16:02	IP040712-3
		0406259-20	SMP	5	7/13/2004	16:05	IP040712-3
		0406259-13	A	5	7/13/2004	16:07	IP040712-3
		CRI4	CRI	1	7/13/2004	16:10	
		ICSA4	ICSA	1	7/13/2004	16:12	
		ICSAB4	ICSAB	1	7/13/2004	16:15	
		CCV14	CCV	1	7/13/2004	16:18	
		CCB14	CCB	1	7/13/2004	16:20	
		IP040712-4	MB	1	7/13/2004	16:25	IP040712-4
		IP040712-4	LCS	1	7/13/2004	16:28	IP040712-4
		0406260-1	SMP	5	7/13/2004	16:30	IP040712-4
		0406260-2	SMP	5	7/13/2004	16:33	IP040712-4
		0406260-3	SMP	5	7/13/2004	16:35	IP040712-4
		0406260-4	SMP	5	7/13/2004	16:38	IP040712-4
		0406260-5	SMP	5	7/13/2004	16:41	IP040712-4
		0406260-6	SMP	5	7/13/2004	16:43	IP040712-4
		0406260-7	SMP	5	7/13/2004	16:46	IP040712-4
		0406260-8	SMP	5	7/13/2004	16:48	IP040712-4
		CCV15	CCV	1	7/13/2004	16:51	
		CCB15	CCB	1	7/13/2004	16:53	
		0406260-9	SMP	5	7/13/2004	16:56	IP040712-4
		0406260-10	SMP	5	7/13/2004	16:58	IP040712-4
		0406260-11	SMP	5	7/13/2004	17:01	IP040712-4
		0406260-11	DUP	5	7/13/2004	17:03	IP040712-4
		0406260-11	SER	25	7/13/2004	17:06	IP040712-4
		0406260-11	MS	5	7/13/2004	17:08	IP040712-4
		0406260-11	MSD	5	7/13/2004	17:11	IP040712-4
		0406260-12	SMP	5	7/13/2004	17:13	IP040712-4
		0406260-13	SMP	5	7/13/2004	17:16	IP040712-4
		0406260-14	SMP	5	7/13/2004	17:18	IP040712-4

Data Package ID: IT0405096-1

ICPTrace Run Log -- 7/13/2004

Instrument ID: ICPTrace
File Name: ts40713
AnalRunID: IT040713-1A1
CalibRefID: IT040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		CCV16	CCV	1	7/13/2004	17:21	
		CCB16	CCB	1	7/13/2004	17:23	
		0406260-15	SMP	5	7/13/2004	17:26	IP040712-4
		0406260-16	SMP	5	7/13/2004	17:28	IP040712-4
		0406260-17	SMP	5	7/13/2004	17:31	IP040712-4
		0406260-18	SMP	5	7/13/2004	17:34	IP040712-4
		0406260-19	SMP	5	7/13/2004	17:36	IP040712-4
		0406260-20	SMP	5	7/13/2004	17:39	IP040712-4
		0406260-11	A	5	7/13/2004	17:41	IP040712-4
		CRI5	CRI	1	7/13/2004	17:44	
		ICSA5	ICSA	1	7/13/2004	17:46	
		ICSAB5	ICSAB	1	7/13/2004	17:49	
		CCV17	CCV	1	7/13/2004	17:51	
		CCB17	CCB	1	7/13/2004	17:54	

Data Package ID: IT0405096-1

ICPMS Metals

Method SW6020
Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040709-2MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/09/2004
Date Analyzed: 07/13/2004

Prep Batch: IP040709-2
QCBatchID: IP040709-2-1
Run ID: IM040713-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1
File Name: 13JUL04A

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-61-1	URANIUM	10	10	10	U	

Data Package ID: *IM0405096-1*

ICPMS Metals

Method SW6020
Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040709-3MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/09/2004
Date Analyzed: 07/13/2004

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IM040713-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1
File Name: 13JUL04A

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-61-1	URANIUM	10	10	10	U	

Data Package ID: *IM0405096-1*

ICPMS Metals

Method SW6020

Laboratory Control Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040709-2LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/09/2004
Date Analyzed: 07/13/2004

Prep Batch: IP040709-2
QCBatchID: IP040709-2-1
Run ID: IM040713-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-61-1	URANIUM	2000	2020	10		101	80 - 120%

Data Package ID: *IM0405096-1*

ICPMS Metals

Method SW6020

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Lab ID: IP040709-3LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/09/2004
Date Analyzed: 07/13/2004

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IM040713-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-61-1	URANIUM	2000	2090	10		105	80 - 120%

Data Package ID: *IM0405096-1*

ICPMS Metals

Method SW6020

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: MSED-01
LabID: 0405096-1MS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: 06-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 13-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-2
QCBatchID: IP040709-2-1
Run ID: IM040713-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7440-61-1	URANIUM	860		2910		10	2000	102	75 - 125%

MSD Lab ID: 0405096-1MSD

Sample Aliquot: 1 g
Final Volume: 100 ml

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
7440-61-1	URANIUM	2000	2940		10	104	1	20

Data Package ID: *IM0405096-1*

ICPMS Metals

Method SW6020

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GEN-01
LabID: 0405096-21MS

Sample Matrix: SOIL
% Moisture: 12.1
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 14-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IM040714-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7440-61-1	URANIUM	49000		46900		1140	2280	-86	75 - 125%

MSD Lab ID: 0405096-21MSD

Sample Aliquot: 1 g
Final Volume: 100 ml

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
7440-61-1	URANIUM	2280	52400		1140	157	11	20

Data Package ID: *IM0405096-1*

ICPMS Metals

Method SW6020

Duplicate Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: MSED-01
Lab ID: 0405096-1D

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: 05/06/2004
Date Extracted: 07/09/2004
Date Analyzed: 07/13/2004

Prep Batch: IP040709-2
QCBatchID: IP040709-2-1
Run ID: IM040713-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1
File Name: 13JUL04A

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7440-61-1	URANIUM	860		793		10	10	9	20

Data Package ID: *IM0405096-1*

ICPMS Metals

Method SW6020

Duplicate Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GEN-01
Lab ID: 0405096-21D

Sample Matrix: SOIL
% Moisture: 12.1
Date Collected: 05/07/2004
Date Extracted: 07/09/2004
Date Analyzed: 07/14/2004

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IM040714-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1
File Name: 14JUL04A

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7440-61-1	URANIUM	49000		36000	*	1140	1000	30	20

Data Package ID: *IM0405096-1*

ICPMS Metals

Method SW6020
Serial Dilution

Lab Name: **Paragon Analytics**
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: MSED-01
Lab ID: 0405096-1L

Run ID: IM040713-1A1
Date Analyzed: 13-Jul-04
Result Units: mg/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7440-61-1	URANIUM	0.00086398		0.00075195		E	13

Data Package ID: *IM0405096-1*

ICPMS Metals

Method SW6020
Serial Dilution

Lab Name: **Paragon Analytics**
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Field ID: GEN-01
Lab ID: 0405096-21L

Run ID: IM040714-1A1
Date Analyzed: 14-Jul-04
Result Units: mg/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7440-61-1	URANIUM	0.00042913		0.00033615		E	22

Data Package ID: *IM0405096-1*

URANIUM

Method SW6020

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 13-Jul-04
Run ID: IM040713-1A1
Result Units: ug/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	2	2.01	0.01	N/A	101	90 - 110
CCV2	Continuing Calibration	2	2.03	0.01	N/A	102	90 - 110
CCV3	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
CCV4	Continuing Calibration	2	1.91	0.01	N/A	96	90 - 110
CCV5	Continuing Calibration	2	2.03	0.01	N/A	101	90 - 110
CCV6	Continuing Calibration	2	2.06	0.01	N/A	103	90 - 110
CCV7	Continuing Calibration	2	2.07	0.01	N/A	104	90 - 110
CCV8	Continuing Calibration	2	2.08	0.01	N/A	104	90 - 110
CCV9	Continuing Calibration	2	2.08	0.01	N/A	104	90 - 110
ICV	Initial Calibration	2.5	2.52	0.01	N/A	101	90 - 110

Data Package ID: *IM0405096-1*

URANIUM

Method SW6020

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 14-Jul-04
Run ID: IM040714-1A1
Result Units: ug/l

Lab ID	Verification Type	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
CCV2	Continuing Calibration	2	1.97	0.01	N/A	99	90 - 110
CCV3	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
CCV4	Continuing Calibration	2	2.01	0.01	N/A	101	90 - 110
CCV5	Continuing Calibration	2	2	0.01	N/A	100	90 - 110
CCV6	Continuing Calibration	2	2.02	0.01	N/A	101	90 - 110
ICV	Initial Calibration	2.5	2.52	0.01	N/A	101	90 - 110

Data Package ID: *IM0405096-1*

000125

URANIUM

Method SW6020

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 13-Jul-04
Run ID: IM040713-1A1
Result Units: ug/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB2	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB3	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB4	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB5	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB6	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB7	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB8	Continuing Calibration	7/13/2004	0.01	0.01	U
CCB9	Continuing Calibration	7/13/2004	0.01	0.01	U
ICB	Initial Calibration	7/13/2004	0.01	0.01	U

Data Package ID: *IM0405096-1*

000126

URANIUM

Method SW6020

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Date Analyzed: 14-Jul-04
Run ID: IM040714-1A1
Result Units: ug/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB2	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB3	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB4	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB5	Continuing Calibration	7/14/2004	0.01	0.01	U
CCB6	Continuing Calibration	7/14/2004	0.01	0.01	U
ICB	Initial Calibration	7/14/2004	0.01	0.01	U

Data Package ID: *IM0405096-1*

ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IM040713-1A1
Date Analyzed: 07/13/2004
Result Units: ug/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-61-1	URANIUM		2		2.08	104

Data Package ID: *IM0405096-1*

ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Run ID: IM040714-1A1
Date Analyzed: 07/14/2004
Result Units: ug/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-61-1	URANIUM		2		2.08	104

Data Package ID: *IM0405096-1*

Metals Linear Ranges

Lab Name: **Paragon Analytics**
Work Order Number: 0405096
Client Name: Kent & Sullivan Inc.
ClientProject ID: Ross Adams

Instrument ID: ICPMS
Active Date: 04/16/2004
Expiration Date: 07/15/2004

CASNO	Target Analyte	Concentration (ppm)
7429-90-5	ALUMINUM	0.2
7440-38-2	ARSENIC	0.02
7439-92-1	LEAD	0.05
7440-61-1	URANIUM	0.01

ICPMS Run Log -- 7/13/2004

Instrument ID: ICPMS
File Name: 13JUL04A
AnalRunID: IM040713-1A1
CalibRefID: IM040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0	0 STD		7/13/2004	11:15	
		RL	RL ST		7/13/2004	11:18	
		LOW	LOW S		7/13/2004	11:22	
		MID	MID S		7/13/2004	11:26	
		HIGH	HIGH		7/13/2004	11:30	
		MIXAHIGH	MIXAH	1	7/13/2004	11:33	
		ICV	ICV	1	7/13/2004	11:37	
		ICB	ICB	1	7/13/2004	11:46	
		IDL1-1	IDL1-	1	7/13/2004	11:52	
		IDL1-2	IDL1-	1	7/13/2004	11:55	
		IDL1-3	IDL1-	1	7/13/2004	11:59	
		IDL1-4	IDL1-	1	7/13/2004	12:03	
		IDL1-5	IDL1-	1	7/13/2004	12:07	
		IDL1-6	IDL1-	1	7/13/2004	12:10	
		IDL1-7	IDL1-	1	7/13/2004	12:14	
		CCV1	CCV	1	7/13/2004	12:18	
		CCB1	CCB	1	7/13/2004	12:22	
		CRI1	CRI	1	7/13/2004	12:25	
		ICSA1	ICSA	1	7/13/2004	12:29	
		ICSAB1	ICSAB	1	7/13/2004	12:33	
		CCV2	CCV	1	7/13/2004	12:44	
		CCB2	CCB	1	7/13/2004	12:47	
		IP040706-2	MB	10	7/13/2004	12:51	IP040706-2
		IP040706-2	LCS	10	7/13/2004	12:54	IP040706-2
		IP040706-2	LCSD	10	7/13/2004	12:58	IP040706-2
		0406241-3	SMP	10	7/13/2004	13:02	IP040706-2
		0406241-3	DUP	10	7/13/2004	13:06	IP040706-2
		0406241-3	SER	50	7/13/2004	13:10	IP040706-2
		0406241-3	MS	10	7/13/2004	13:13	IP040706-2
		0406241-3	MSD	10	7/13/2004	13:17	IP040706-2
		0406241-3	A	10	7/13/2004	13:21	IP040706-2
		0406241-1	SMP	10	7/13/2004	13:25	IP040706-2
		CCV3	CCV	1	7/13/2004	13:39	
		CCB3	CCB	1	7/13/2004	13:43	
		0406241-2	SMP	10	7/13/2004	13:46	IP040706-2

Data Package ID: IM0405096-1

Paragon Analytics
LIMS Version: 5.041A

Date Printed: Friday, July 23, 2004

ICPMS Run Log -- 7/13/2004

Instrument ID: ICPMS
File Name: 13JUL04A
AnalRunID: IM040713-1A1
CalibRefID: IM040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0406241-4	SMP	10	7/13/2004	13:50	IP040706-2
		0406241-5	SMP	10	7/13/2004	13:54	IP040706-2
		0406241-6	SMP	10	7/13/2004	13:58	IP040706-2
		0406226-2	SMP	10	7/13/2004	14:01	IP040706-2
		0406226-3	SMP	10	7/13/2004	14:05	IP040706-2
		0406226-4	SMP	10	7/13/2004	14:09	IP040706-2
		0406226-5	SMP	10	7/13/2004	14:13	IP040706-2
		0406226-6	SMP	10	7/13/2004	14:17	IP040706-2
		0406226-7	SMP	10	7/13/2004	14:20	IP040706-2
		CCV4	CCV	1	7/13/2004	14:43	
		CCB4	CCB	1	7/13/2004	14:45	
		IP040706-2	LCS	10	7/13/2004	14:49	IP040706-2
		IP040706-2	LCSD	10	7/13/2004	15:05	IP040706-2
		IP040709-2	MB	10	7/13/2004	15:08	IP040706-2
		IP040709-3	MB	10	7/13/2004	15:11	IP040706-3
		IP040709-4	MB	10	7/13/2004	15:15	IP040706-4
		IP040709-2	LCS	10	7/13/2004	15:19	IP040706-2
		IP040709-3	LCS	10	7/13/2004	15:23	IP040706-3
		IP040709-4	LCS	10	7/13/2004	15:26	IP040706-4
		CCV5	CCV	1	7/13/2004	15:42	
		CCB5	CCB	1	7/13/2004	15:45	
	MSED-10	0405096-10	SMP	10	7/13/2004	15:48	IP040706-2
	MSED-09	0405096-9	SMP	100	7/13/2004	15:52	IP040706-2
		0405097-27	SMP	100	7/13/2004	15:56	IP040706-4
	SOIL-08	0405096-30	SMP	1000	7/13/2004	16:00	IP040706-3
		0405097-29	SMP	2000	7/13/2004	16:04	IP040706-4
		0405097-17	SMP	5000	7/13/2004	16:07	IP040706-4
		0405097-24	SMP	10000	7/13/2004	16:11	IP040706-4
		CCV6	CCV	1	7/13/2004	16:15	
		CCB6	CCB	1	7/13/2004	16:24	
	MSED-02	0405096-2	SMP	100	7/13/2004	16:43	IP040706-2
	MSED-03	0405096-3	SMP	100	7/13/2004	16:47	IP040706-2
	MSED-04	0405096-4	SMP	100	7/13/2004	16:51	IP040706-2
	MSED-05	0405096-5	SMP	100	7/13/2004	16:54	IP040706-2
	MSED-06	0405096-6	SMP	100	7/13/2004	16:58	IP040706-2

Data Package ID: IM0405096-1

ICPMS Run Log -- 7/13/2004

Instrument ID: ICPMS
File Name: 13JUL04A
AnalRunID: IM040713-1A1
CalibRefID: IM040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
	MSED-01	0405096-1	SMP	10	7/13/2004	17:02	IP040706-2
	MSED-01	0405096-1	DUP	10	7/13/2004	17:06	IP040706-2
	MSED-01	0405096-1	SER	50	7/13/2004	17:09	IP040706-2
	MSED-01	0405096-1	MS	10	7/13/2004	17:13	IP040706-2
	MSED-01	0405096-1	MSD	10	7/13/2004	17:17	IP040706-2
		CCV7	CCV	1	7/13/2004	17:21	
		CCB7	CCB	1	7/13/2004	17:25	
	MSED-08	0405096-8	SMP	100	7/13/2004	17:28	IP040706-2
	MSED-10	0405096-10	SMP	100	7/13/2004	17:32	IP040706-2
	SSED-01	0405096-11	SMP	100	7/13/2004	17:36	IP040706-2
	SSED-02	0405096-12	SMP	100	7/13/2004	17:40	IP040706-2
	SSED-03	0405096-13	SMP	100	7/13/2004	17:43	IP040706-2
	SSED-04	0405096-14	SMP	100	7/13/2004	17:47	IP040706-2
	SSED-05	0405096-15	SMP	100	7/13/2004	17:51	IP040706-2
	SSED-06	0405096-16	SMP	100	7/13/2004	17:55	IP040706-2
	SSED-07	0405096-17	SMP	100	7/13/2004	17:59	IP040706-2
	SSED-09	0405096-19	SMP	100	7/13/2004	18:02	IP040706-2
		CCV8	CCV	1	7/13/2004	18:06	
		CCB8	CCB	1	7/13/2004	18:10	
	SSED-10	0405096-20	SMP	100	7/13/2004	18:14	IP040706-2
	SOIL-01	0405096-25	SMP	100	7/13/2004	18:17	IP040706-3
		0405097-5	SMP	100	7/13/2004	18:21	IP040706-3
		0405097-6	SMP	100	7/13/2004	18:25	IP040706-3
		0405097-7	SMP	100	7/13/2004	18:29	IP040706-3
		0405097-8	SMP	100	7/13/2004	18:33	IP040706-3
		0405097-9	SMP	100	7/13/2004	18:36	IP040706-4
		0405097-9	DUP	100	7/13/2004	18:40	IP040706-4
		0405097-9	SER	500	7/13/2004	18:44	IP040706-4
		0405097-9	MS	100	7/13/2004	18:48	IP040706-4
		CCV9	CCV	1	7/13/2004	18:51	
		CCB9	CCB	1	7/13/2004	18:55	
		0405097-9	MSD	100	7/13/2004	18:59	IP040706-4
		0405097-10	SMP	100	7/13/2004	19:03	IP040706-4
		0405097-11	SMP	100	7/13/2004	19:07	IP040706-4
		0405097-12	SMP	100	7/13/2004	19:10	IP040706-4

Data Package ID: IM0405096-1

ICPMS Run Log -- 7/13/2004

Instrument ID: ICPMS
File Name: 13JUL04A
AnalRunID: IM040713-1A1
CalibRefID: IM040713-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0405097-14	SMP	100	7/13/2004	19:14	IP040706-4
		0405097-15	SMP	100	7/13/2004	19:18	IP040706-4
		0405097-16	SMP	100	7/13/2004	19:22	IP040706-4
		CCV10	CCV	1	7/13/2004	19:26	
		CCB10	CCB	1	7/13/2004	19:29	

Data Package ID: IM0405096-1

Paragon Analytics
LIMS Version: 5.041A

Date Printed: Friday, July 23, 2004

ICPMS Run Log -- 7/14/2004

Instrument ID: ICPMS
File Name: 14JUL04A
AnalRunID: IM040714-1A1
CalibRefID: IM040714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0	0 STD		7/14/2004	12:18	
		RL	RL ST		7/14/2004	12:21	
		LOW	LOW S		7/14/2004	12:24	
		MID	MID S		7/14/2004	12:27	
		HIGH	HIGH		7/14/2004	12:31	
		MIXAHIGH	MIXAH	1	7/14/2004	12:34	
		ICV	ICV	1	7/14/2004	12:37	
		ICB	ICB	1	7/14/2004	12:45	
		CRI1	CRI	1	7/14/2004	12:50	
		ICSA1	ICSA	1	7/14/2004	12:54	
		ICSAB1	ICSAB	1	7/14/2004	12:57	
		CCV1	CCV	1	7/14/2004	13:00	
		CCB1	CCB	1	7/14/2004	13:03	
	MSED-03	0405096-3	SMP	10	7/14/2004	13:07	IP040709-2
	MSED-06	0405096-6	SMP	10	7/14/2004	13:10	IP040709-2
		0405097-9	SMP	10	7/14/2004	13:13	IP040709-4
		0405097-9	SER	50	7/14/2004	13:16	IP040709-4
		0405097-9	MS	10	7/14/2004	13:20	IP040709-4
		0405097-9	MSD	10	7/14/2004	13:23	IP040709-4
		0405097-27	SMP	1000	7/14/2004	13:26	IP040709-4
		0405097-14	SMP	10	7/14/2004	13:29	IP040709-4
		0405097-15	SMP	10	7/14/2004	13:32	IP040709-4
		0405097-16	SMP	10	7/14/2004	13:36	IP040709-4
		CCV2	CCV	1	7/14/2004	13:39	
		CCB2	CCB	1	7/14/2004	13:42	
	MSED-09	0405096-9	SMP	200	7/14/2004	13:51	IP040709-2
	GEN-02	0405096-22	SMP	200	7/14/2004	13:54	IP040709-3
	SOIL-02	0405096-26	SMP	200	7/14/2004	13:57	IP040709-3
		0405097-4	SMP	200	7/14/2004	14:00	IP040709-3
		0405097-13	SMP	200	7/14/2004	14:04	IP040709-4
	SSED-08	0405096-18	SMP	500	7/14/2004	14:07	IP040709-2
	SOIL-07	0405096-29	SMP	500	7/14/2004	14:10	IP040709-3
	SOIL-09	0405096-31	SMP	500	7/14/2004	14:13	IP040709-3
		0405097-18	SMP	500	7/14/2004	14:16	IP040709-4
	MSED-07	0405096-7	SMP	1000	7/14/2004	14:20	IP040709-2

Data Package ID: IM0405096-1

Paragon Analytics
LIMS Version: 5.041A

Date Printed: Friday, July 23, 2004

ICPMS Run Log -- 7/14/2004

Instrument ID: ICPMS
File Name: 14JUL04A
AnalRunID: IM040714-1A1
CalibRefID: IM040714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		CCV3	CCV	1	7/14/2004	14:23	
		CCB3	CCB	1	7/14/2004	14:26	
	MSED-08	0405096-8	SMP	1000	7/14/2004	14:29	IP040709-2
		0405097-1	SMP	1000	7/14/2004	14:33	IP040709-2
		0405097-20	SMP	1000	7/14/2004	14:36	IP040709-4
		0405097-26	SMP	1000	7/14/2004	14:39	IP040709-4
	SOIL-05	0405096-28	SMP	2000	7/14/2004	14:42	IP040709-3
	SOIL-08	0405096-30	SMP	2000	7/14/2004	14:46	IP040709-3
		0405097-3	SMP	2000	7/14/2004	14:49	IP040709-2
		0405097-22	SMP	2000	7/14/2004	14:52	IP040709-4
	SOIL-04	0405096-27	SMP	5000	7/14/2004	14:55	IP040709-3
	SOIL-10	0405096-32	SMP	5000	7/14/2004	14:58	IP040709-3
		CCV4	CCV	1	7/14/2004	15:02	
		CCB4	CCB	1	7/14/2004	15:05	
		0405097-2	SMP	5000	7/14/2004	15:08	IP040709-2
		0405097-25	SMP	5000	7/14/2004	15:11	IP040709-4
		0405097-29	SMP	5000	7/14/2004	15:15	IP040709-4
		0405097-30	SMP	10000	7/14/2004	15:18	IP040709-4
		0405097-17	SMP	20000	7/14/2004	15:21	IP040709-4
		0405097-24	SMP	20000	7/14/2004	15:24	IP040709-4
	GEN-01	0405096-21	SMP	1000	7/14/2004	15:28	IP040709-3
	GEN-01	0405096-21	SER	5000	7/14/2004	15:31	IP040709-3
	GEN-01	0405096-21	MS	1000	7/14/2004	15:34	IP040709-3
	GEN-01	0405096-21	MSD	1000	7/14/2004	15:37	IP040709-3
		CCV5	CCV	1	7/14/2004	15:41	
		CCB5	CCB	1	7/14/2004	15:44	
	GEN-01	0405096-21	DUP	1000	7/14/2004	15:52	IP040709-3
		0405097-9	DUP	10	7/14/2004	15:55	IP040709-4
		0405097-9	A	10	7/14/2004	15:58	IP040709-4
		0405097-20	SMP	5000	7/14/2004	16:01	IP040709-4
		0405097-22	SMP	5000	7/14/2004	16:04	IP040709-4
		CCV6	CCV	1	7/14/2004	16:07	
		CCB6	CCB	1	7/14/2004	16:11	
		I	DUP		7/14/2004	16:14	IP040709-2
		I	DUP		7/14/2004	16:17	IP040709-2

Data Package ID: IM0405096-1

ICPMS Run Log -- 7/14/2004

Instrument ID: ICPMS
File Name: 14JUL04A
AnalRunID: IM040714-1A1
CalibRefID: IM040714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		I	DUP		7/14/2004	16:20	IP040709-2
		I	DUP		7/14/2004	16:24	IP040709-2
		I	DUP		7/14/2004	16:27	IP040709-2
		I	DUP		7/14/2004	16:30	IP040709-2
		I	DUP		7/14/2004	16:33	IP040709-2
		CCV7	CCV	1	7/14/2004	16:36	
		CCB7	CCB	1	7/14/2004	16:40	
		0406164-1	SMP	1	7/14/2004	16:43	IP040709-2
		0406164-1	DUP	1	7/14/2004	16:46	IP040709-2
		0406164-1	SMP	1	7/14/2004	16:49	IP040709-2
		0406164-1	DUP	1	7/14/2004	16:53	IP040709-2
		CCV8	CCV	1	7/14/2004	16:56	
		CCB8	CCB	1	7/14/2004	16:59	
		0407069-1	SMP	1000	7/14/2004	17:07	IP040714-21
		0407069-3	SMP	1000	7/14/2004	17:10	IP040714-21
		0407069-5	SMP	1000	7/14/2004	17:13	IP040714-21
		0407069-7	SMP	1000	7/14/2004	17:17	IP040714-21
		0407069-8	SMP	1000	7/14/2004	17:20	IP040714-21
		0407069-9	SMP	500	7/14/2004	17:23	IP040714-21
		0407069-10	SMP	500	7/14/2004	17:26	IP040714-21
		0407069-11	SMP	1000	7/14/2004	17:29	IP040714-21
		0407069-12	SMP	1000	7/14/2004	17:33	IP040714-21
		0407069-14	SMP	1000	7/14/2004	17:36	IP040714-21
		CCV9	CCV	1	7/14/2004	17:39	
		CCB9	CCB	1	7/14/2004	17:42	
		0407069-15	SMP	1000	7/14/2004	17:51	IP040714-21
		0407069-16	SMP	1000	7/14/2004	17:54	IP040714-21
		0407069-17	SMP	1000	7/14/2004	17:58	IP040714-21
		0407069-18	SMP	1000	7/14/2004	18:01	IP040714-21
		0407069-19	SMP	1000	7/14/2004	18:04	IP040714-21
		0407069-20	SMP	1000	7/14/2004	18:07	IP040714-21
		0407069-21	SMP	1000	7/14/2004	18:10	IP040714-21
		0407069-21	SER	5000	7/14/2004	18:14	IP040714-21
		0407069-21	MS	1000	7/14/2004	18:17	IP040714-21
		0407069-21	MSD	1000	7/14/2004	18:20	IP040714-21

Data Package ID: IM0405096-1

Paragon Analytics
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ICPMS Run Log -- 7/14/2004

Instrument ID: ICPMS
File Name: 14JUL04A
AnalRunID: IM040714-1A1
CalibRefID: IM040714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		CCV10	CCV	1	7/14/2004	18:23	
		CCB10	CCB	1	7/14/2004	18:27	
		0407069-22	SMP	1000	7/14/2004	18:30	IP040714-22
		0407069-23	SMP	1000	7/14/2004	18:33	IP040714-22
		0407069-6	SMP	10	7/14/2004	18:36	IP040714-21
		0407069-2	SMP	10	7/14/2004	18:42	IP040714-22
		0407069-2	SER	50	7/14/2004	18:45	IP040714-22
		0407069-2	MS	10	7/14/2004	18:48	IP040714-22
		0407069-2	MSD	10	7/14/2004	18:51	IP040714-22
		0407069-4	SMP	100	7/14/2004	18:54	IP040714-21
		0407069-13	SMP	100	7/14/2004	18:58	IP040714-21
		CCV11	CCV	1	7/14/2004	19:01	
		CCB11	CCB	1	7/14/2004	19:12	
		0407069-13	SMP	1000	7/14/2004	19:14	IP040714-21
		0407069-2	SMP	50	7/14/2004	19:17	IP040714-22
		0407069-2	SER	250	7/14/2004	19:21	IP040714-22
		0407069-2	MS	50	7/14/2004	19:24	IP040714-22
		0407069-2	MSD	50	7/14/2004	19:27	IP040714-22
		CCV12	CCV	1	7/14/2004	19:30	
		CCB12	CCB	1	7/14/2004	19:34	

Data Package ID: IM0405096-1

Raw Data

HEADER INFORMATION FOR ANALYTICAL SEQUENCE T40712A

SW

Reviewed BC 7/13/04

STANDARD SOLUTION CODES

MIX A High Standard (ST040602-1) exp 06/02/05

Element	ug/ml
Ca,Mg,Al	500
Fe	200
Na,K	100

The following dilutions of MIX A high standard were made to provide additional calibration standards (prepared daily).

Standard	Dilution	Procedure
MIX A (1/2)	1/2	5ml MIX A high standard diluted to 10ml final volume
MIX A (1/10)	1/10	1ml MIX A high standard diluted to 10ml final volume
MIX A (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

---

MIX B High Standard -- made fresh daily as described below

4.0ml Intermediate Mix (ST040602-2) exp 05/21/05
0.04ml 1000ug/ml Ag (ST040602-37) exp 08/21/05
brought to a final volume of 20ml. The resulting concentrations are:

Element	Concentration (ug/ml)
Ag,Sb	2
Ba,Be,Cd,Co,Cu	10
Cr,Mn,Ni,V,Zn	10
As,Pb,Se,Tl	10

The following dilutions of the MIX B high standard were made to provide additional calibration standards.

Standard	Dilution	Procedure
MIX B (1/10)	1/10	1ml of MIX B high standard to 10ml final volume
MIX B (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

---

Reporting Limit Standard (RL STD) -- made fresh daily as described below

0.1ml Intermediate RL STD MIX 1 (ST040602-7) exp 5/21/05
0.1ml Intermediate RL STD MIX 2 (ST040602-8) exp 6/02/05

brought to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Ca,Mg,Na,K	0.5
Al,Fe	0.1
Sb	0.008
Pb	0.003
Ba,Cr,Co,Cu	0.002
Mn,Ag,V	0.002
Be,Cd	0.001

ICSA (preparation date: 07/12/04)
Made by diluting:
10ml (ST040525-43) exp 11/07/05
to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200

ICSAB (prepraration date: 07/01/04)
Made by diluting:
10ml (ST040525-43) exp 11/07/05
1.0ml (ST040525-42) exp 11/13/05
to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200
Cd,Ni,Zn	1.0
Sb	0.6
Ba,Be,Co,Cr	0.5
Cu,Mn,V	0.5
Ag	0.2
As,Tl	0.1
Pb,Se	0.05

CCV (check standard) -- preparation date: 07/12/04
made by diluting:
0.5ml IV-7 (ST040521-31) exp 06/01/05
0.5ml IV-19 (ST040521-32) exp 06/01/05
5.0ml Major Element 2nd source (ST040602-3) exp 06/02/05
to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	50.5

Fe,Na	20.5
K	20.0
Ba,Be,Cd,Co,Cr	0.5
Cu,Mn,Ni,Sb,V,Zn	0.5
As,Pb,Se,Tl	0.5
Ag	0.5

ICV (initial calibration check standard)
Prepared by diluting CCV (described above) 1/2. The 1/2 dilution was made by diluting 5ml of CCV to 10ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	25.25
Fe,Na	10.25
K	10.0
Ba,Be,Cd,Co,Cr	0.25
Cu,Mn,Ni,Sb,V,Zn	0.25
As,Pb,Se,Tl	0.25
Ag	0.25

CRI (preparation date: 07/12/04)
Made by diluting:
1.0ml intermediate solution 1 (ST040602-4) exp 11/07/05
1.0ml intermediate solution 2 (ST040602-5) exp 11/07/05
1.0ml intermediate solution 3 (ST040602-6) exp 11/07/05
0.5ml 2000ug/ml Ca,Mg,Na,K (ST040601-4) exp 11/07/05
to 100ml final volume.

Element	ug/ml
Ca,Mg,Na,K	10.0
Fe	0.2
Al,Ba	0.4
Tl,Cr,Ag	0.02
Be,Cd,Se,As	0.01
Co,V	0.1
Cu	0.05
Pb	0.006
Mn	0.03
Ni	0.08
Zn	0.04
Sb	0.12

BLANK (used for CCB) 5%HNO3,2.5%HCL in double deionized water

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Acid Lot Numbers

HNO3 -- A16051
HCl -- X25027

Pipet ID Numbers

1.0 to 5.0ml M-58

0.1 to 1.0ml AB-007

0.01 to 0.1ml M-57

Date of Multi-point calibration: 07/12/04

Interelement Interference Information

The following table summarizes spectral interferences which have been identified and for which IEC's are used. If a sample contains a concentration of an interfering element which exceeds the upper analytical range and an affected element is being determined, it is necessary to dilute the sample to bring the interfering element into the analytical range.

Interfering Element (and upper analytical range in ug/ml)	Affected Elements
Al (500)	Pb,Se
Fe (200)	Cd,Pb,Se,Tl
Ca (500)	Pb
Mg (500)	Pb
Ba (10)	Co
Co (10)	Al,Ni,Fe,Pb,Tl
Cr (10)	As,Sb
Mn (10)	Tl,Pb
Ni (10)	Pb,Al
V (10)	Al,Be,Fe

The following table lists element concentrations (ug/ml) for which no significant spectral interferences have been observed.

Element	Concentration	Element	Concentration
Pb	100	As	10
Ag	10	Tl	10
Cd	10	Se	10
Be	10	Na	500
Cu	100	K	500
Sb	10		

Zn 100

Dilutions

5X dilutions made by diluting 1ml of sample to 5ml final volume.

2X dilutions made by diluting 5ml of sample to 10ml final volume.

ANALYTICAL SPIKES

0406187-7A post spiked for the following element(s) at the listed concentration (ug/ml in digestate).

Ba 1.0

0.05ml of "IV-7 Spike" (ST040521-31) brought to 5ml final volume with digestate.

COMMENTS

1. Please see run log and workorders for elements of interest.

ICP REVIEWER COMMENTS

Daily Maintenance Items

1. Check/Change pump tubing

2. Check/Empty drain container
3. Check and record As profile
4. Record As,Se signal:background ratios

Daily Maintenance Performed SW

Monthly Maintenance Items

1. Check/Clean torch for deposits
2. Check/Clean nebulizer and spray chamber
3. Fill water recirculating reservoir
4. Clean air filters
5. Check/Fill vacuum pump oil

Monthly Maintenance Performed on 06/15/04 (SW)

Multi-point calibrations performed at beginning of sequence
Blank; RL STD;

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	MIXBHIGH	T	TRACE	07/12/04	14:49	SW	Q	CONC
2	MIXAHIGH	T	TRACE	07/12/04	14:52	SW	Q	CONC
3	ICV	T	TRACE	07/12/04	14:55	SW	Q	CONC
4	ICB	T	TRACE	07/12/04	14:59	SW	B	CONC
5	CRI	T	TRACE	07/12/04	15:02	SW	S	CONC
6	ICSA	T	TRACE	07/12/04	15:06	SW	Q	CONC
7	ICSAB	T	TRACE	07/12/04	15:08	SW	Q	CONC
8	CCV	T	TRACE	07/12/04	15:11	SW	Q	CONC
9	CCB	T	TRACE	07/12/04	15:20	SW	B	CONC
10	IP040709-2MB	T	TRACE	07/12/04	15:22	SW	S	CONC
11	IP040709-2LCS	T	TRACE	07/12/04	15:26	SW	S	CONC
12	0405096-1 (1) - Pb	T	TRACE	07/12/04	15:29	SW	S	CONC
13	0405096-1D	T	TRACE	07/12/04	15:31	SW	S	CONC
14	0405096-1L 5X	T	TRACE	07/12/04	15:34	SW	S	CONC
15	0405096-1MS	T	TRACE	07/12/04	15:36	SW	S	CONC
16	0405096-1MSD	T	TRACE	07/12/04	15:39	SW	S	CONC
17	0405096-2 (1)	T	TRACE	07/12/04	15:41	SW	S	CONC

(1) = Al, Fe, Mn, As, Pb

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
18	0405096-3 ①	T	TRACE	07/12/04	15:44	SW	S	CONC
19	0405096-4	T	TRACE	07/12/04	15:46	SW	S	CONC
20	CCV	T	TRACE	07/12/04	15:49	SW	Q	CONC
21	CCB	T	TRACE	07/12/04	15:51	SW	B	CONC
22	0405096-5 ① -Pb, Fe	T	TRACE	07/12/04	15:54	SW	S	CONC
23	0405096-6	T	TRACE	07/12/04	15:56	SW	S	CONC
24	0405096-7 ① -Pb	T	TRACE	07/12/04	15:59	SW	S	CONC
25	0405096-8	T	TRACE	07/12/04	16:01	SW	S	CONC
26	0405096-9 ①	T	TRACE	07/12/04	16:04	SW	S	CONC
27	0405096-10 ① -Pb	T	TRACE	07/12/04	16:06	SW	S	CONC
28	0405096-11 ①	T	TRACE	07/12/04	16:09	SW	S	CONC
29	0405096-12	T	TRACE	07/12/04	16:11	SW	S	CONC
30	0405096-13 ① -Pb Mn, Fe	T	TRACE	07/12/04	16:14	SW	S	CONC
31	0405096-14 ①	T	TRACE	07/12/04	16:16	SW	S	CONC
32	CCV	T	TRACE	07/12/04	16:19	SW	Q	CONC
33	CCB	T	TRACE	07/12/04	16:21	SW	B	CONC
34	0405096-15	T	TRACE	07/12/04	16:24	SW	S	CONC
35	0405096-16	T	TRACE	07/12/04	16:26	SW	S	CONC
36	0405096-17 ① -Pb, Fe	T	TRACE	07/12/04	16:29	SW	S	CONC
37	0405096-18 ① -Mn, Pb	T	TRACE	07/12/04	16:31	SW	S	CONC
38	0405096-19 ①	T	TRACE	07/12/04	16:34	SW	S	CONC
39	0405096-20	T	TRACE	07/12/04	16:36	SW	S	CONC
40	A1	T	TRACE	07/12/04	16:42	SW	S	CONC
41	B1	T	TRACE	07/12/04	16:45	SW	S	CONC
42	C1	T	TRACE	07/12/04	16:47	SW	S	CONC
43	0405096-1 5X Pb	T	TRACE	07/12/04	16:50	SW	S	CONC
44	CCV	T	TRACE	07/12/04	16:53	SW	Q	CONC
45	CCB	T	TRACE	07/12/04	16:55	SW	B	CONC
46	0405096-1D 5X	T	TRACE	07/12/04	16:58	SW	S	CONC
47	0405096-1L 25X	T	TRACE	07/12/04	17:00	SW	S	CONC
48	0405096-1MS 5X	T	TRACE	07/12/04	17:04	SW	S	CONC
49	0405096-1MSD 5X	T	TRACE	07/12/04	17:06	SW	S	CONC
50	0405096-5 2X + Fe	T	TRACE	07/12/04	17:09	SW	S	CONC
51	0405096-6 2X	T	TRACE	07/12/04	17:11	SW	S	CONC
52	0405096-7 2X	T	TRACE	07/12/04	17:14	SW	S	CONC
53	0405096-8 5X	T	TRACE	07/12/04	17:16	SW	S	CONC
54	0405096-10 2X	T	TRACE	07/12/04	17:19	SW	S	CONC
55	0405096-13 2X + MN, Fe	T	TRACE	07/12/04	17:21	SW	S	CONC
56	CCV	T	TRACE	07/12/04	17:24	SW	Q	CONC
57	CCB + Fe	T	TRACE	07/12/04	17:26	SW	B	CONC
58	0405096-17 2X + Mn	T	TRACE	07/12/04	17:29	SW	S	CONC
59	0405096-18 2X	T	TRACE	07/12/04	17:32	SW	S	CONC
60	0406187-7A Ba	T	TRACE	07/12/04	17:34	SW	S	CONC
61	IDL-1 TAL	T	TRACE	07/12/04	17:43	SW	S	CONC
62	IDL-2	T	TRACE	07/12/04	17:46	SW	S	CONC
63	IDL-3	T	TRACE	07/12/04	17:51	SW	S	CONC
64	IDL-4	T	TRACE	07/12/04	17:53	SW	S	CONC
65	IDL-5	T	TRACE	07/12/04	17:58	SW	S	CONC
66	IDL-6	T	TRACE	07/12/04	18:00	SW	S	CONC
67	IDL-7	T	TRACE	07/12/04	18:03	SW	S	CONC
68	CCV	T	TRACE	07/12/04	18:06	SW	Q	CONC
69	CCB	T	TRACE	07/12/04	18:08	SW	B	CONC
70	CRI	T	TRACE	07/12/04	18:11	SW	S	CONC
71	ICSA	T	TRACE	07/12/04	18:16	SW	Q	CONC

① = Al, Fe, Mn, As, Pb

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
72	ICSAB	T	TRACE	07/12/04	18:19	SW	Q	CONC
73	CCV	T	TRACE	07/12/04	18:21	SW	Q	CONC
74	CCB	T	TRACE	07/12/04	18:24	SW	B	CONC
75	IP040709-3MB	T	TRACE	07/12/04	18:28	SW	S	CONC
76	IP040709-3LCS	T	TRACE	07/12/04	18:31	SW	S	CONC
77	0405096-21	T	TRACE	07/12/04	18:33	SW	S	CONC
78	0405096-21D	T	TRACE	07/12/04	18:36	SW	S	CONC
79	0405096-21L 5X	T	TRACE	07/12/04	18:38	SW	S	CONC
80	0405096-21MS	T	TRACE	07/12/04	18:41	SW	S	CONC
81	0405096-21MSD	T	TRACE	07/12/04	18:43	SW	S	CONC
82	0405096-22	T	TRACE	07/12/04	18:46	SW	S	CONC
83	0405096-23	T	TRACE	07/12/04	18:48	SW	S	CONC
84	0405096-24	T	TRACE	07/12/04	18:51	SW	S	CONC
85	CCV	T	TRACE	07/12/04	18:53	SW	Q	CONC
86	CCB	T	TRACE	07/12/04	18:56	SW	B	CONC
87	0405096-25	T	TRACE	07/12/04	18:58	SW	S	CONC
88	0405096-26	T	TRACE	07/12/04	19:01	SW	S	CONC
89	0405096-27	T	TRACE	07/12/04	19:03	SW	S	CONC
90	0405096-28	T	TRACE	07/12/04	19:06	SW	S	CONC
91	0405096-29	T	TRACE	07/12/04	19:08	SW	S	CONC
92	0405096-30	T	TRACE	07/12/04	19:11	SW	S	CONC
93	0405096-31	T	TRACE	07/12/04	19:13	SW	S	CONC
94	0405096-32	T	TRACE	07/12/04	19:16	SW	S	CONC
95	0405097-1	T	TRACE	07/12/04	19:18	SW	S	CONC
96	0405097-2	T	TRACE	07/12/04	19:21	SW	S	CONC
97	CCV	T	TRACE	07/12/04	19:23	SW	Q	CONC
98	CCB	T	TRACE	07/12/04	19:26	SW	B	CONC
99	0405097-3	T	TRACE	07/12/04	19:28	SW	S	CONC
100	0405097-4	T	TRACE	07/12/04	19:31	SW	S	CONC
101	0405097-5	T	TRACE	07/12/04	19:34	SW	S	CONC
102	0405097-6	T	TRACE	07/12/04	19:36	SW	S	CONC
103	0405097-7	T	TRACE	07/12/04	19:39	SW	S	CONC
104	0405097-8	T	TRACE	07/12/04	19:41	SW	S	CONC
105	CRI	T	TRACE	07/12/04	19:44	SW	S	CONC
106	ICSA	T	TRACE	07/12/04	19:46	SW	Q	CONC
107	ICSAB	T	TRACE	07/12/04	19:49	SW	Q	CONC
108	CCV	T	TRACE	07/12/04	19:51	SW	Q	CONC
109	CCB	T	TRACE	07/12/04	19:54	SW	B	CONC

① - Pb* Fe

① - Pb*, Fe

① - Pb*, Fe

① - Pb*, Fe

① - Mn, Pb*

① = Al, Fe, Mn, As, Pb

* = dilutions will be analyzed in next sequence

#	Element	MIXBHIGH	MIXAHIGH	ICV	ICB	CRI	ICSA
1	Al	.08474	498.04	24.869	-.02107	.42690	481.69
2	Sb	2.0091	.01297	.25390	-.00081	.12506	.00447
3	As	9.9920	.00019	.25293	.00020	.01180	.00083
4	Ba	10.003	.00198	.24133	-.00006	.39276	.00028
5	Be	9.9880	.00233	.25561	.00041	.01053	.00111
6	Cd	9.9748	.00069	.24784	.00004	.00998	.00004
7	Ca	.03330	497.45	25.312	.01338	9.6716	499.66
8	Cr	9.9551	.00526	.24487	.00014	.01979	.00006
9	Co	9.9856	.00488	.24512	.00022	.10064	.00393
10	Cu	10.045	.00388	.25003	.00052	.05106	-.00120
11	Fe	-.00730	199.64	10.187	.00554	.19163	201.60
12	Pb	9.9579	.00339	.25053	.00116	.00660	-.00104
13	Mg	-.04555	497.78	25.325	-.02710	9.8932	503.00
14	Mn	9.9580	.00844	.24747	.00016	.03052	.00730
15	Ni	9.9860	.00348	.24118	-.00025	.07947	.00271
16	K_	.13038	99.680	9.9371	.29059	8.9192	.15401
17	Se	10.028	.00347	.24841	-.00281	.00859	-.00578
18	Ag	1.9932	.00082	.24927	.00029	.02024	.00078
19	Na	.09900	99.060	10.097	.05562	8.8768	.12290
20	Tl	9.9537	-.00645	.25772	-.00261	.01812	-.00456
21	V_	9.9752	.00594	.25186	.00007	.10298	.00454
22	Zn	9.9296	.01230	.24738	.00058	.04478	.01114

#	Element	ICSAB	CCV	CCB	IPO'-2MB	IPO'2LCS	040'96-1
					-0709	→	-096
1	Al	484.53	50.505	.00604	-.02746	5.1866	49.347
2	Sb	.57868	.48598	-.00283	-.00247	.01988	.00391
3	As	.09570	.50198	-.00123	.00003	.52302	.02735
4	Ba	.46524	.48569	-.00045	-.00049	.47481	.29052
5	Be	.46454	.50700	.00004	.00000	.51050	.00173
6	Cd	.87314	.48751	-.00028	-.00052	.60331	.00102
7	Ca	490.95	51.214	.03514	.02546	.02213	C.00000
8	Cr	.44317	.49298	.00041	.00012	.49202	.09351
9	Co	.44618	.48441	.00003	-.00017	.49328	.04717
10	Cu	.52923	.50859	.00031	.00018	.50307	.06379
11	Fe	200.03	20.799	.02805	.01336	4.8653	98.949
12	Pb	.04959	.49753	.00112	.00129	.60098	k.00012
13	Mg	497.89	50.932	.00340	-.03448	-.03899	47.735
14	Mn	.46498	.49294	.00001	-.00018	.49865	2.9601
15	Ni	.85625	.48096	.00036	-.00062	.49904	.03265
16	K_	.10012	20.775	.31656	.27535	.27646	13.124
17	Se	.04861	.49474	.00095	.00005	.52894	.00037
18	Ag	.20928	.50325	-.00009	-.00019	.01989	.00036
19	Na	.13607	20.853	.05805	.05981	.06000	77.085
20	Tl	.09338	.51182	-.00059	-.00394	-.00428	-.00654
21	V_	.47842	.50524	-.00043	-.00018	.49668	.23616
22	Zn	.88279	.49141	.00019	.00328	.50627	.15411

#	Element	040'6-1D	040'L 5X	040'-1MS	040'1MSD	040'96-2	040'96-3
		-096	→				
1	Al	48.528	10.447	61.350	53.230	86.335	63.348
2	Sb	.00639	.00039	.01258	.01219	.00397	.00324
3	As	.02516	.00456	.52983	.52241	.06745	.03876
4	Ba	.25923	.06191	.68982	.67842	.22183	.19214
5	Be	.00141	.00045	.45584	.45607	.00134	.00120
6	Cd	.00067	-.00011	.49084	.49106	.00812	.00500
7	Ca	C.00000	348.49	C.00000	C.00000	144.27	299.92
8	Cr	.08214	.02030	.50063	.50203	.23409	.20337
9	Co	.04606	.01045	.47124	.46413	.06442	.04259
10	Cu	.07839	.01287	.56211	.53857	.12758	.09109
11	Fe	97.966	20.429	113.97	96.232	171.39	103.33
12	Pb	k.00283	.00351	k.52797	k.53397	.02192	.01669
13	Mg	46.731	10.571	49.730	43.137	68.851	52.097
14	Mn	2.7892	.64805	3.3054	3.1860	1.8386	1.3486
15	Ni	.02922	.00663	.44044	.43816	.07978	.06417
16	K_	11.745	2.5082	11.881	11.675	15.223	14.379
17	Se	.00389	.00113	.50005	.49860	.01478	.00425
18	Ag	.00051	.00024	.01922	.01924	.00039	.00033
19	Na	68.357	15.486	68.345	67.860	76.983	79.796
20	Tl	-.00842	-.00145	-.00477	-.00662	-.01029	-.00820
21	V_	.23960	.05088	.69646	.66120	.39872	.23884
22	Zn	.17178	.03447	.59053	.55990	.28673	.22209

#	Element	040'96-4	CCV	CCB	040'96-5	040'96-6	040'96-7
		-096			-096	→	
1	Al	70.237	49.808	.00232	87.250	138.53	64.045
2	Sb	.00270	.47938	-.00345	.00638	-.00038	.00247
3	As	.02263	.50331	-.00072	.04008	.01615	.06297
4	Ba	.26150	.47457	-.00045	.61706	.29592	.25932
5	Be	.00657	.50661	.00004	.00938	.00274	.00361
6	Cd	.00047	.48283	-.00037	-.00054	-.00492	.00135
7	Ca	8.6639	50.632	.05550	13.539	73.904	H642.38
8	Cr	.13396	.48909	.00040	.34536	.43707	.20010
9	Co	.04941	.48218	-.00041	.05792	.09670	.04060
10	Cu	.09699	.50049	.00021	.11493	.16183	.09799
11	Fe	160.31	20.655	.02525	H206.29	H370.58	173.63
12	Pb	.08792	.49489	.00200	.15864	.01484	.15333
13	Mg	47.868	50.577	.00294	54.968	113.88	74.361
14	Mn	3.9939	.48826	.00026	6.8506	5.4367	2.6822
15	Ni	.17165	.47188	.00026	.17916	.60894	.06991
16	K_	7.2537	20.197	.30291	11.591	21.988	26.669
17	Se	.00970	.49729	.00059	.00837	.01028	L-.04249
18	Ag	.00014	.50097	.00012	.00033	-.00007	-.00068
19	Na	9.7712	20.358	.06234	23.283	9.1434	H157.99
20	Tl	.00013	.51464	-.00098	-.00493	.01290	-.00889
21	V_	.25799	.50179	-.00094	.35390	.42184	.28609
22	Zn	1.1558	.49334	.00032	1.0066	.44865	.37284

#	Element	040'96-8	040'96-9	040'6-10	040'6-11	040'6-12	040'6-13
		~096					
1	Al	56.809	76.629	57.485	8.4084	6.1067	94.663
2	Sb	.00349	.00297	.00413	-.00078	.00144	.00307
3	As	.03768	.16621	.00954	.01676	.09259	.01679
4	Ba	.23610	.38751	.31821	.06515	.04868	.34184
5	Be	.00281	.00678	.00204	.00441	.00346	.00939
6	Cd	.00116	.01701	.00000	-.00043	-.00045	-.00117
7	Ca	H1435.9	158.55	H568.00	.65244	.78752	9.4382
8	Cr	.22454	.29076	.18246	.25459	.28577	.32132
9	Co	.03422	.03778	.03940	.00417	.00343	.08117
10	Cu	.07719	.19207	.11407	.03399	.03024	.06949
11	Fe	111.43	173.48	111.02	49.333	43.691	H239.79
12	Pb	.10042	.14639	.08061	.14063	.08817	.04892
13	Mg	61.910	88.032	50.762	1.0054	.79320	69.397
14	Mn	2.9519	1.8629	2.1440	.75659	.35220	H10.889
15	Ni	.07950	.11775	.06936	.01697	.01490	.07809
16	K_	17.969	25.745	23.624	3.3050	3.5324	11.259
17	Se	L-.05835	.00501	L-.01293	.00036	-.00248	.00711
18	Ag	-.00108	-.00040	-.00049	.00396	.00654	-.00073
19	Na	94.859	C.00000	50.672	2.7030	2.0119	3.7333
20	Tl	-.00907	-.00439	-.00914	-.00036	-.00384	.00422
21	V_	.19312	.36450	.19887	.01271	.01309	.35275
22	Zn	.31978	.65867	.28480	.10885	.07791	.61083

#	Element	040'6-14	CCV	CCB	040'6-15	040'6-16	040'6-17
		~096			~096		
1	Al	59.556	49.996	.02897	80.266	68.231	85.971
2	Sb	.00344	.48199	-.00283	.00031	.00077	.00743
3	As	.01690	.49931	.00233	.01633	.01657	.02372
4	Ba	.36406	.47606	-.00034	.64148	.46420	.43167
5	Be	.00502	.50525	.00017	.00595	.00554	.00844
6	Cd	-.00028	.48378	-.00028	.00012	-.00003	.00034
7	Ca	7.4685	50.760	.06159	12.836	8.2710	8.0079
8	Cr	.22511	.48842	.00069	.35119	.21217	.31890
9	Co	.03792	.48459	-.00038	.05265	.04948	.05974
10	Cu	.06602	.50193	.00015	.09595	.10118	.10943
11	Fe	137.90	20.654	.04422	177.21	161.23	H210.80
12	Pb	.05148	.49513	.00071	.07053	.04997	.09802
13	Mg	41.914	50.660	.01597	57.183	47.229	52.963
14	Mn	2.3806	.48819	.00076	3.9007	2.9853	6.9782
15	Ni	.12035	.47446	.00070	.19640	.16974	.25668
16	K_	7.2804	20.366	.28802	11.123	8.3872	11.003
17	Se	.00563	.49848	.00180	.00886	.00440	.01049
18	Ag	.00072	.50239	.00000	.00048	-.00024	.00029
19	Na	2.9139	20.554	.06494	3.4593	3.1082	2.8809
20	Tl	-.00662	.50936	-.00225	.00895	.00358	.01358
21	V_	.21968	.50141	-.00031	.28264	.24063	.32465
22	Zn	.63423	.49412	.00070	.89846	.82713	1.2239

#	Element	040'6-18	040'6-19	040'6-20	A1	B1	C1
		-096					
1	Al	49.018	16.959	79.329	-.03044	-.02958	-.03086
2	Sb	.00186	.00075	.00495	-.00318	-.00293	-.00179
3	As	.05923	.02071	.02063	.97371	1.0485	1.0008
4	Ba	.56850	.13495	.54926	-.00054	-.00050	-.00053
5	Be	.01109	.00635	.00681	.00000	.00000	.00000
6	Cd	-.00029	-.00055	.00039	-.00042	-.00044	-.00041
7	Ca	3.3752	1.2668	9.5153	-.01102	-.00944	-.00997
8	Cr	.25825	.23378	.30273	-.00077	-.00025	-.00050
9	Co	.05305	.00822	.05219	.00009	-.00017	-.00005
10	Cu	.04803	.03207	.08550	-.00022	-.00002	-.00005
11	Fe	169.78	78.638	181.06	.01333	.01279	.00944
12	Pb	.44712	.15339	.07699	.00116	-.00008	-.00114
13	Mg	20.119	4.1931	55.903	-.04145	-.04022	-.04452
14	Mn	H13.641	1.6067	3.9566	.00014	-.00011	-.00023
15	Ni	.04920	.01386	.18524	-.00069	-.00038	-.00057
16	K_	9.8315	5.4451	8.9365	.27763	.27280	.29100
17	Se	L-.03414	-.00091	.00294	.00008	-.00171	.00033
18	Ag	-.00271	-.00039	.00095	-.00027	.00017	.00032
19	Na	2.0789	2.4759	3.2950	.04500	.04448	.04497
20	Tl	.00463	-.00199	-.00577	-.00143	.00025	.00086
21	V_	.10476	.03926	.29017	-.00031	-.00031	-.00018
22	Zn	1.5113	.29616	.99483	-.00070	-.00032	.00096

#	Element	040'1 5X	CCV	CCB	040'D 5X	040' 25X	040'S 5X
		-096				-096	
		1			1D	1L	1MS
1	Al	10.446	49.806	-.00074	10.302	2.1251	12.951
2	Sb	.00256	.47834	-.00133	-.00148	-.00062	.00240
3	As	.00725	.50240	.00254	.00347	.00080	.11326
4	Ba	.06157	.47191	-.00038	.05497	.01221	.14608
5	Be	.00042	.50388	.00010	.00037	.00011	.09736
6	Cd	-.00012	.48113	-.00031	-.00011	-.00024	.10972
7	Ca	347.62	50.855	.04774	308.18	67.405	300.36
8	Cr	.02033	.48820	.00014	.01783	.00383	.11012
9	Co	.01014	.48269	-.00072	.01005	.00184	.10323
10	Cu	.01287	.49963	.00036	.01602	.00283	.11380
11	Fe	20.374	20.627	.02870	20.287	4.0649	23.431
12	Pb	.00280	.49156	.00066	.00293	.00119	.11878
13	Mg	10.544	50.442	-.00701	10.379	2.1985	11.003
14	Mn	.64265	.48568	.00045	.60769	.13401	.71799
15	Ni	.00747	.47193	.00028	.00604	.00092	.09840
16	K_	2.4871	20.155	.27640	2.2503	.64329	2.2642
17	Se	.00313	.49098	-.00205	-.00008	.00111	.10401
18	Ag	.00061	.50064	-.00018	.00024	.00051	.00457
19	Na	15.494	20.373	.06083	13.662	2.8601	13.650
20	Tl	-.00351	.51185	-.00337	-.00219	-.00020	-.00657
21	V_	.05050	.50128	-.00018	.05139	.00990	.14945
22	Zn	.03473	.49102	.00058	.03460	.00702	.13090

#	Element	040'D 5X	040'5 2X	040'6 2X	040'7 2X	040'8 5X	040'0 2X
		(MSI)	5	6	7	8	10
1	Al	11.191	43.467	68.591	32.597	12.030	29.552
2	Sb	.00393	-.00014	.00016	.00199	-.00072	.00257
3	As	.11118	.02183	.00756	.03201	.00838	.00474
4	Ba	.14371	.31051	.14824	.13167	.04991	.16452
5	Be	.09739	.00471	.00139	.00188	.00065	.00107
6	Cd	.10966	.00020	-.00112	.00103	-.00002	.00001
7	Ca	302.29	6.8438	37.060	315.70	219.06	281.19
8	Cr	.11073	.17485	.22268	.10481	.04905	.09507
9	Co	.10235	.02949	.04897	.02108	.00730	.02036
10	Cu	.10957	.05674	.07947	.04916	.01571	.05762
11	Fe	19.930	98.764	171.42	86.519	22.863	56.081
12	Pb	.11739	.07916	.00781	.07953	.02321	.03976
13	Mg	9.5854	27.699	56.963	38.537	13.514	26.527
14	Mn	.69227	3.4508	2.7573	1.3896	.64120	1.1155
15	Ni	.09790	.09055	.30927	.03597	.01692	.03557
16	K_	2.2176	5.8124	11.027	12.894	3.4344	11.797
17	Se	.10678	.00569	.00636	L-.01908	L-.01248	-.00579
18	Ag	.00435	.00006	-.00013	-.00019	-.00055	-.00002
19	Na	13.635	11.647	4.4755	69.385	19.000	25.677
20	Tl	-.00575	-.00186	-.00107	-.00288	-.00086	-.00434
21	V_	.14179	.17857	.21215	.14805	.04118	.10323
22	Zn	.12419	.54555	.22841	.19603	.07198	.14727

#	Element	040'3 2X	CCV	CCB	040'7 2X	040'8 2X	040'7-7A
		13			17	18	7A
1	Al	47.230	50.060	.00120	42.792	24.610	1.0882
2	Sb	.00132	.47599	-.00237	.00441	-.00445	.00022
3	As	.00872	.49842	.00127	.01430	.02754	.00194
4	Ba	.17038	.47166	-.00032	.21595	.28264	.86606
5	Be	.00474	.50732	.00010	.00423	.00561	.00009
6	Cd	.00008	.48244	-.00015	.00047	.00016	-.00051
7	Ca	4.8497	51.048	.04606	4.0041	1.7064	34.763
8	Cr	.16330	.49094	.00042	.16039	.13001	-.00025
9	Co	.04103	.48462	-.00023	.02970	.02689	.00088
10	Cu	.03463	.50161	.00052	.05388	.02432	.00029
11	Fe	114.26	20.736	.04186	100.23	81.527	.16939
12	Pb	.02512	.49683	.00175	.05071	.22464	-.00189
13	Mg	34.913	50.788	.00160	26.620	10.203	19.889
14	Mn	5.4954	.48869	.00077	3:5022	6.8358	.08328
15	Ni	.03951	.47229	.00070	.12857	.02402	.00034
16	K_	5.7685	20.261	.29589	5.6224	5.1211	39.212
17	Se	.00265	.49878	-.00001	.00158	L-.01450	-.00239
18	Ag	.00011	.50255	-.00021	.00014	-.00107	1.0227
19	Na	1.9067	20.508	.06255	1.4686	1.2101	C.00000
20	Tl	-.00205	.50494	-.00253	-.00375	.00064	.00132
21	V_	.17857	.50205	.00007	.16248	.05203	-.00018
22	Zn	.31345	.49761	.00096	.61678	.76902	.00277

#	Element	IDL-1	IDL-2	IDL-3	IDL-4	IDL-5	IDL-6
1	Al	.02481	.02779	.02850	.02697	.02881	.02738
2	Sb	.01194	.00975	.01005	.01096	.01384	.01015
3	As	.01040	.01003	.01169	.01288	.01001	.01248
4	Ba	.00044	.00039	.00041	.00041	.00044	.00040
5	Be	.00043	.00042	.00043	.00042	.00043	.00042
6	Cd	.00019	.00008	.00019	.00010	.00019	.00016
7	Ca	.01240	.01158	.01163	.01136	.01147	.01114
8	Cr	.00213	.00180	.00204	.00205	.00231	.00200
9	Co	.00076	.00066	.00068	.00065	.00118	.00083
10	Cu	.00267	.00242	.00245	.00242	.00245	.00243
11	Fe	.02741	.02193	.02419	.02628	.02738	.02437
12	Pb	.00623	.00619	.00646	.00610	.00647	.00629
13	Mg	.00234	.00001	.00822	.00830	.00896	.01021
14	Mn	.00036	.00029	.00027	.00023	.00027	.00021
15	Ni	.00190	.00137	.00175	.00173	.00192	.00166
16	K_	.25892	.22467	.25537	.25084	.26819	.25390
17	Se	.01074	.01111	.01214	.00959	.01149	.01115
18	Ag	.00172	.00115	.00153	.00123	.00155	.00136
19	Na	.22520	.19956	.18241	.17749	.17179	.17040
20	Tl	.01183	.01183	.00903	.01332	.00926	.01097
21	V_	.00079	.00045	.00075	.00083	.00088	.00062
22	Zn	.00577	.00526	.00534	.00556	.00564	.00543

#	Element	IDL-7	CCV	CCB	CRI	ICSA	ICSAB
1	Al	.02441	50.335	.03748	.45595	484.34	480.78
2	Sb	.01064	.48690	-.00195	.12771	-.00402	.57105
3	As	.01099	.50551	.00298	.00870	-.00214	.09927
4	Ba	.00037	.47515	.00000	.38583	.00081	.45701
5	Be	.00043	.50929	.00012	.01043	.00115	.46694
6	Cd	.00027	.48736	-.00012	.01004	.00076	.88101
7	Ca	.01125	51.524	.02812	9.7797	502.89	499.54
8	Cr	.00196	.49515	.00033	.02004	-.00036	.45314
9	Co	.00084	.48971	-.00029	.10152	.00342	.45393
10	Cu	.00229	.50352	.00024	.05114	-.00105	.52172
11	Fe	.02058	20.978	.02128	.18491	203.76	202.76
12	Pb	.00581	.49941	.00078	.00669	-.00103	.04744
13	Mg	.00481	51.271	.01362	10.022	507.79	504.26
14	Mn	.00022	.49234	.00036	.03043	.00744	.46762
15	Ni	.00145	.47782	-.00061	.08027	.00282	.86722
16	K_	.24912	20.496	.14668	8.9391	.12564	.02250
17	Se	.01017	.49557	.00077	.01279	.00000	.04862
18	Ag	.00134	.50497	.00032	.02091	-.00006	.20922
19	Na	.16813	20.873	.07866	9.0832	.23145	.16140
20	Tl	.01257	.51420	-.00282	.02043	-.00778	.09640
21	V_	.00037	.50588	-.00043	.10323	.00454	.48059
22	Zn	.00564	.50174	.00135	.04465	.01591	.90675

#	Element	CCV	CCB	IP0'-3MB	IP0'3LCS	040'6-21	040'-21D
				-0709	→	-096	→
1	Al	49.759	.09494	.05485	5.2663	80.840	97.060
2	Sb	.47849	.00097	-.00072	.01875	.00588	.00993
3	As	.50438	.00100	.00012	.53556	.03010	.03247
4	Ba	.47281	.00011	.00000	.47528	.24911	.28101
5	Be	.50404	.00012	.00004	.51247	.00489	.00468
6	Cd	.48454	-.00016	-.00035	.60633	-.00415	-.00356
7	Ca	51.127	.06533	.03749	.03598	8.8206	11.051
8	Cr	.48984	.00069	.00049	.50074	.55294	.58682
9	Co	.48529	-.00020	-.00002	.49856	.04892	.05673
10	Cu	.50073	.00013	-.00016	.50612	.29991	.27451
11	Fe	20.738	.04592	.03378	4.9090	H400.19	H381.32
12	Pb	.49830	.00057	.00141	.61008	.34950	.28367
13	Mg	50.749	.06625	.01277	-.00325	62.131	77.730
14	Mn	.48852	.00043	-.00001	.50201	3.6444	3.4456
15	Ni	.47378	.00021	-.00050	.50139	.09274	.12364
16	K_	20.454	.08879	.15526	.10727	15.821	28.165
17	Se	.49420	-.00088	.00319	.53189	-.00316	-.00137
18	Ag	.50325	.00069	.00064	.02016	-.00087	-.00022
19	Na	20.892	.07000	.07584	.09416	2.5573	2.3172
20	Tl	.51800	-.00337	-.00126	-.00371	.01890	.02222
21	V_	.50230	-.00005	-.00005	.50128	.36450	.40818
22	Zn	.49761	.00161	.00534	.51544	.71882	.65363

#	Element	040'L 5X	040'21MS	040'1MSD	040'6-22	040'6-23	040'6-24
		-096	→	→	→	→	→
1	Al	16.338	81.714	87.835	19.126	58.144	28.577
2	Sb	-.00068	.01256	.01018	.00331	.00315	.00319
3	As	.00778	.55727	.55772	.02006	.02723	.02992
4	Ba	.05114	.69484	.71589	.12801	.34358	.20853
5	Be	.00101	.50635	.50565	.00416	.00631	.00686
6	Cd	-.00022	.56781	.56429	.00137	-.00111	.00178
7	Ca	1.7900	8.9868	9.0516	5.4437	7.0706	7.6991
8	Cr	.11482	.97968	1.0424	.31040	.61476	.24378
9	Co	.00971	.52749	.53057	.01166	.03962	.02172
10	Cu	.05854	.78976	.81447	.07166	.25677	.07890
11	Fe	69.706	H373.58	H411.29	82.712	H256.49	92.658
12	Pb	.07388	.89934	.93128	.14232	.48530	.22976
13	Mg	12.815	58.656	62.843	7.4883	37.481	12.027
14	Mn	.75527	3.9503	4.1888	1.9052	2.8802	4.0731
15	Ni	.01897	.55787	.56772	.02547	.07729	.03175
16	K_	3.2136	14.348	15.868	3.4840	11.172	4.2156
17	Se	-.00318	.51356	.50724	.00031	L-.03220	-.00232
18	Ag	.00000	.01870	.01879	.00109	-.00046	.00067
19	Na	.52419	2.4539	2.7145	1.7737	2.8648	1.7518
20	Tl	-.00214	.01810	.01890	-.00299	.00952	-.00478
21	V_	.07463	.83750	.85934	.04807	.23782	.07770
22	Zn	.15024	1.1281	1.1962	2.9453	.97591	4.0686

#	Element	CCV	CCB	040'6-25	040'6-26	040'6-27	040'6-28
				~096	→	→	→
1	Al	50.188	.05846	45.773	58.841	176.83	63.558
2	Sb	.48433	-.00143	.00050	.00729	.00854	.00106
3	As	.50712	.00252	.00764	.00337	.02362	.00586
4	Ba	.47671	.00013	.14286	.21697	.34594	.15008
5	Be	.50370	.00013	.00257	.00114	.00691	.00156
6	Cd	.48538	-.00017	-.00050	-.00181	-.00333	-.00331
7	Ca	51.202	.03447	13.757	6.1083	13.056	11.508
8	Cr	.49145	.00044	.13525	.32319	.31893	.29290
9	Co	.48669	-.00026	.03392	.05638	.09565	.05666
10	Cu	.50400	.00007	.06146	.09386	.13427	.10613
11	Fe	20.804	.04592	85.038	172.51	H299.22	H233.80
12	Pb	.49984	-.00042	.10138	.09779	.53108	.13100
13	Mg	50.896	.03123	19.399	36.593	85.929	46.692
14	Mn	.49036	.00068	.98857	1.5104	4.3081	2.3432
15	Ni	.47868	.00012	.03272	.06949	.08298	.04220
16	K_	20.643	.12721	3.1852	5.7105	8.2031	4.2702
17	Se	.49578	.00047	-.00616	-.00248	L-.04477	-.00830
18	Ag	.50527	.00072	-.00061	.00002	.00832	-.00009
19	Na	21.163	.06658	3.7194	1.6628	2.7250	3.0931
20	Tl	.51247	-.00114	-.01654	L-.02674	L-.03393	-.01376
21	V_	.50333	-.00005	.21994	.66005	.56540	.42146
22	Zn	.50174	.00148	.14598	.27551	.43612	.26041

#	Element	040'6-29	040'6-30	040'6-31	040'6-32	040'97-1	040'97-2
		~096	→	→	→	~097	→
1	Al	15.237	40.796	9.9051	37.786	39.628	19.583
2	Sb	.00459	-.00137	-.00017	.00244	.00036	.00227
3	As	.01403	.06600	.01366	.05506	.01986	.02978
4	Ba	.09098	.49879	.07259	.63714	.51941	.63604
5	Be	.00205	.01066	.00154	.01087	.01102	.00832
6	Cd	-.00032	.00259	-.00023	-.00184	.00505	.00059
7	Ca	2.4054	2.8306	.60044	3.1556	30.809	4.5024
8	Cr	.25942	.27379	.21693	.24362	.16418	.11899
9	Co	.00579	.01636	.00387	.01156	.02597	.00577
10	Cu	.03611	.10153	.02809	.07456	.17175	.06152
11	Fe	63.999	110.69	50.038	H258.85	164.37	125.97
12	Pb	.23374	1.2054	.20738	.72308	2.9069	.77707
13	Mg	1.7746	13.482	.53055	7.7283	25.694	2.2070
14	Mn	.25246	.96307	.37146	3.9256	H10.047	4.4802
15	Ni	.01844	.02810	.01528	.02048	.02910	.00613
16	K_	4.7510	6.1977	2.5567	5.5433	8.1798	2.3013
17	Se	-.00389	L-.05290	-.00311	L-.09752	L-.11814	L-.15567
18	Ag	-.00197	.00131	-.00202	-.00077	.00303	.00871
19	Na	1.8812	1.9906	1.5984	2.1446	3.4791	1.7191
20	Tl	-.00537	-.00516	-.00520	.01261	-.00731	-.00989
21	V_	.04526	.13911	.03007	.07706	.14218	.03148
22	Zn	.13386	1.4727	.11942	1.3019	2.7656	1.3212

#	Element	CCV	CCB	040'97-3	040'97-4	040'97-5	040'97-6
				097 →			
1	Al	49.946	.05697	21.509	8.2933	5.4076	4.4186
2	Sb	.47594	-.00151	.00198	-.00206	-.00454	-.00265
3	As	.50874	-.00073	.05504	.00403	.02075	.01112
4	Ba	.47242	.00021	.57509	.02109	.07382	.07208
5	Be	.50330	.00018	.00972	.00154	.00483	.00125
6	Cd	.48326	-.00001	.00033	-.00006	-.00034	-.00003
7	Ca	51.120	.03916	5.4878	.43041	.22729	3.8679
8	Cr	.49041	.00053	.13612	.23555	.10525	.12711
9	Co	.48596	-.00014	.00679	.00086	.00061	.00058
10	Cu	.50132	.00021	.06727	.01232	.00403	.00360
11	Fe	20.733	.04824	134.97	88.614	18.030	9.4290
12	Pb	.49801	.00156	.81531	.22032	.14400	.09825
13	Mg	50.809	.03403	2.8735	.06286	.18452	.18410
14	Mn	.48864	.00094	4.8435	.33934	.80194	.21490
15	Ni	.47521	.00040	.00806	.00969	.00229	.00363
16	K_	20.476	.12944	3.3762	2.0197	1.7949	1.9067
17	Se	.49649	.00002	L-.19385	-.00447	-.00327	.00040
18	Ag	.50408	.00046	-.00442	-.00123	-.00909	-.00170
19	Na	20.960	.06486	1.8800	1.4482	1.2270	1.5476
20	Tl	.51189	-.00392	-.01333	.00164	-.00548	-.00117
21	V_	.50230	-.00031	.03748	.00288	.00160	.00058
22	Zn	.50097	.00199	1.3780	.98045	.25279	.16481

#	Element	040'97-7	040'97-8	CRI	ICSA	ICSAB	CCV
		097 →					
1	Al	5.1096	3.1062	.45894	479.98	483.67	50.113
2	Sb	-.00329	-.00112	.12499	-.00418	.56148	.47789
3	As	.00181	.00526	.01386	-.00283	.09449	.49910
4	Ba	.04563	.02207	.38515	.00085	.45692	.47385
5	Be	.00087	.00049	.01027	.00110	.46268	.49961
6	Cd	-.00001	-.00032	.00992	.00132	.87313	.48145
7	Ca	.10503	.13369	9.6748	490.82	496.09	51.042
8	Cr	.06379	.07028	.02031	.00030	.45221	.48864
9	Co	.00044	.00056	.10012	.00336	.45219	.48453
10	Cu	.00293	.00304	.05015	-.00083	.52354	.50244
11	Fe	4.9141	6.5514	.18806	199.87	201.84	20.714
12	Pb	.03198	.18584	.00790	-.00032	.04602	.49706
13	Mg	.17037	.07029	9.8994	497.29	501.20	50.647
14	Mn	.52500	.74526	.03032	.00754	.46522	.48714
15	Ni	.00187	.00241	.07991	.00310	.85971	.47290
16	K_	.26002	1.1389	8.8656	.07228	-.02721	20.656
17	Se	-.00383	-.00123	.00686	.00187	.04548	.49342
18	Ag	.00072	-.00132	.02075	.00021	.20898	.50358
19	Na	1.6408	1.0389	9.0403	.21487	.14922	21.255
20	Tl	-.00559	-.00174	.01948	.00065	.09129	.50660
21	V_	.00020	.00007	.10183	.00454	.47868	.50013
22	Zn	.41003	.06759	.04388	.01527	.90053	.49670

#	Element	CCB
1	Al	.08398
2	Sb	-.00319
3	As	.00000
4	Ba	.00014
5	Be	.00022
6	Cd	-.00015
7	Ca	.06448
8	Cr	.00019
9	Co	-.00026
10	Cu	.00001
11	Fe	.04133
12	Pb	.00091
13	Mg	.06010
14	Mn	.00064
15	Ni	-.00038
16	K_	.10685
17	Se	.00104
18	Ag	-.00012
19	Na	.06424
20	Tl	-.00504
21	V_	-.00043
22	Zn	.00109

Calibration Report T40712A 07/12/04 11:10:17 AM

Method: TRACE Standard Name: BLANK Operator:
Run Time: 07/12/04 11:09:00
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.2519874	-.023999	-.323984	.2639868	-.009000	.8452077	.0112494
SDev	.1230304	.059394	.080606	.0763637	.004242	.0201516	.0010606
%RSD	48.82404	247.4874	24.87968	28.92710	47.14045	2.384212	9.428090
#1	.3389831	-.065997	-.266987	.2099895	-.006000	.8309584	.0119994
#2	.1649917	.0179991	-.380981	.3179841	-.011999	.8594570	.0104995
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.2654867	.1364932	.0367482	-.005250	.0367482	.2932353	-.013499
SDev	.0021212	.0063637	.0328788	.001061	.0053030	.0116667	.002121
%RSD	.7989886	4.662246	89.47065	20.20305	14.43075	3.978603	15.71349
#1	.2639868	.1409930	.0599970	-.004500	.0404980	.3014849	-.014999
#2	.2669866	.1319934	.0134993	-.006000	.0329984	.2849857	-.011999
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	14.96775	.0449978	.0179991	5.329233	.0007500	.0614969	.0074996
SDev	.05303	.0042424	.0021212	.002121	.0222728	.1293941	.0021212
%RSD	.3542962	9.428090	11.78511	.0398025	2969.849	210.4074	28.28427
#1	15.00525	.0479976	.0194990	5.327733	-.014999	.1529923	.0059997
#2	14.93025	.0419979	.0164992	5.330733	.0164992	-.029999	.0089996
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl
Avge	.0089996	-.105745	.0000000	.0000000	-.003000
SDev	.0000000	.022273	.0000000	.0000000	.004242
%RSD	.0000000	21.06276	.0000000	.0000000	141.4214
#1	.0089996	-.089996	.0000000	.0000000	.0000000
#2	.0089996	-.121494	.0000000	.0000000	-.006000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: RLSTD Operator:
Run Time: 07/12/04 11:10:22
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.4739763	.1109944	-.109495	.3719814	.1289935	1.446678	.1979901
SDev	.0424243	.0084849	.125152	.0763637	.0678789	.005303	.0063636
%RSD	8.950718	7.644397	114.2994	20.52890	52.62190	.3665641	3.214119
#1	.5039748	.1169942	-.020999	.4259787	.1769912	1.442928	.2024899
#2	.4439778	.1049947	-.197990	.3179841	.0809959	1.450427	.1934903
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.3899805	4.390280	.1814909	.0449978	.1522424	.3982301	.2189890
SDev	.0000000	.014849	.0296970	.0127273	.0201515	.0137879	.0127273
%RSD	.0000000	.3382131	16.36280	28.28427	13.23648	3.462295	5.811836
#1	.3899805	4.400780	.2024899	.0539973	.1664917	.4079796	.2279886
#2	.3899805	4.379781	.1604920	.0359982	.1379931	.3884806	.2099895
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	17.05265	4.171291	.1912404	32.65787	.3352332	.2624869	.0344983
SDev	.07848	.019091	.0053030	.44758	.0074243	.0190909	.0021212
%RSD	.4602502	.4576721	2.772966	1.370502	2.214653	7.273099	6.148754
#1	17.10815	4.184791	.1949903	32.34138	.3404830	.2489875	.0359982
#2	16.99715	4.157792	.1874906	32.97435	.3299835	.2759862	.0329984
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Tl
Avge	.0734963	.0419979	.0149993
SDev	.0063636	.0742425	.0296970
%RSD	8.658449	176.7767	197.9899
#1	.0689966	.0944953	-.006000
#2	.0779961	-.010499	.0359982
Factor	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: A 1/100 Operator:
Run Time: 07/12/04 11:11:43
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	29.51102	40.74096	4.538773	19.12254	39.00405	62.27238
SDev	.21212	.11455	.016970	.02333	.02121	.35000
%RSD	.7187892	.2811544	.3738823	.1220157	.0543850	.5620483
#1	29.36103	40.65997	4.526774	19.13904	38.98905	62.02490
#2	29.66102	40.82196	4.550772	19.10605	39.01905	62.51987
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: A 1/10 Operator:
Run Time: 07/12/04 11:13:05
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	295.9202	389.6325	43.94030	68.90805	393.0974	695.2123
SDev	.6364	1.5485	.16758	.14212	1.1115	1.3491
%RSD	.2150479	.3974204	.3813717	.2062466	.2827601	.1940541
#1	296.3702	390.7274	44.05880	69.00854	393.8833	696.1662
#2	295.4702	388.5376	43.82181	68.80756	392.3114	694.2583
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: A 1/2 Operator:
Run Time: 07/12/04 11:14:26
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na

Avge	1471.912	1758.316	203.6883	323.1033	1974.344	3403.837
SDev	1.704	.897	.0064	1.1985	.159	9.376
%RSD	.1157957	.0510346	.0031253	.3709298	.0080618	.2754458
#1	1470.706	1758.950	203.6928	322.2559	1974.231	3397.207
#2	1473.117	1757.681	203.6838	323.9508	1974.456	3410.466
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: MIXAHIGH Operator:
Run Time: 07/12/04 11:15:49
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	2819.792	3171.378	383.8623	620.5925	3860.253	6107.720
SDev	8.588	5.481	.5791	4.3464	3.744	46.079
%RSD	.3045553	.1728306	.1508611	.7003619	.0969904	.7544384
#1	2825.865	3167.503	383.4528	623.6658	3857.606	6140.303
#2	2813.720	3175.254	384.2718	617.5191	3862.901	6075.137
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: B 1/100 Operator:
Run Time: 07/12/04 11:17:18
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	5.332233	4.670766	2.285886	2.380381	1.990401	9.213289	12.22139
SDev	.048788	.046667	.186667	.048788	.048788	.007425	.00848
%RSD	.9149607	.9991297	8.166063	2.049588	2.451161	.0805856	.0694247
#1	5.366732	4.637768	2.417879	2.345883	1.955902	9.218539	12.21539

#2	5.297735	4.703765	2.153892	2.414879	2.024899	9.208039	12.22739
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	13.93205	2.440378	6.845657	5.023999	8.494075	5.898455	.4244788
SDev	.03288	.004242	.012727	.011667	.000000	.037121	.0445455
%RSD	.2359972	.1738392	.1859184	.2322238	.0000000	.6293387	10.49417
#1	13.90880	2.437378	6.836658	5.015749	8.494075	5.924704	.4559772
#2	13.95530	2.443378	6.854657	5.032248	8.494075	5.872206	.3929803
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	V_	Zn	As	Tl			
Avge	1.180441	1.172941	3.133343	.4889755			
SDev	.002121	.004242	.023333	.0127273			
%RSD	.1796999	.3616977	.7446786	2.602845			
#1	1.178941	1.175941	3.116844	.4979751			
#2	1.181941	1.169941	3.149843	.4799760			
Factor	1.000000	1.000000	1.000000	1.000000			
IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: B 1/10 Operator:
Run Time: 07/12/04 11:18:41
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	49.16154	47.19514	24.66777	21.99790	20.12749	90.39973	118.3231
SDev	.35636	.11242	.15697	.28424	.08273	.04985	.3903
%RSD	.7248838	.2382128	.6363353	1.292134	.4110125	.0551417	.3298619
#1	49.41353	47.11564	24.77876	21.79691	20.06900	90.36448	118.0471
#2	48.90955	47.27464	24.55677	22.19889	20.18599	90.43497	118.5991
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	137.0586	24.57177	68.18434	47.35263	83.85181	59.04455	5.171742
SDev	.8655	.05515	.22803	.06151	.21424	.12091	.089091
%RSD	.6314486	.2244541	.3344356	.1299066	.2555026	.2047791	1.722650
#1	136.4467	24.53277	68.02309	47.30913	83.70031	58.95905	5.108745
#2	137.6706	24.61077	68.34558	47.39613	84.00330	59.13004	5.234738

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	11.75191	11.61992	32.94435	5.332233
SDev	.04455	.04455	.15061	.010606
%RSD	.3790490	.3833548	.4571544	.1989067
#1	11.72041	11.58842	32.83786	5.324734
#2	11.78341	11.65142	33.05085	5.339733
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE Standard Name: MIXBHIGH Operator:
Run Time: 07/12/04 11:20:06
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	488.4311	474.6977	249.3235	217.0556	195.1132	861.2509	1093.186
SDev	.4815	2.1021	1.0352	.2355	.3945	.1167	3.125
%RSD	.0985846	.4428323	.4151849	.1084797	.2022123	.0135501	.2858233
#1	488.0906	473.2113	250.0555	216.8891	195.3922	861.1684	1095.395
#2	488.7715	476.1842	248.5916	217.2221	194.8343	861.3334	1090.976
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	1324.718	244.2395	676.4414	474.7270	803.3530	584.6047	52.34288
SDev	4.411	.6141	1.9696	.4847	1.9844	1.7776	.08697
%RSD	.3329799	.2514337	.2911672	.1020987	.2470121	.3040625	.1661535
#1	1327.837	244.6738	677.8341	474.3843	804.7562	585.8617	52.40438
#2	1321.599	243.8053	675.0487	475.0697	801.9499	583.3478	52.28138
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	117.0166	113.2413	324.7705	53.51282
SDev	.2312	.6491	.3786	.04455
%RSD	.1975874	.5731928	.1165834	.0832465
#1	117.1801	113.7003	324.5028	53.54432
#2	116.8532	112.7824	325.0382	53.48132

Factor	1.000000	1.000000	1.000000	1.000000			
IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: TRACE
Mode: Concentration
Standards Table: 6010I
Data File: 6010CAL

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
2203/1	220.351	07/12/04 02:48	Full Fit	1.000000
2203/2	220.352/2	07/12/04 02:48	Full Fit	1.000000
1960/1	196.021	07/12/04 02:48	Full Fit	1.000000
1960/2	196.022/2	07/12/04 02:48	Full Fit	1.000000
Ag	328.068	07/12/04 02:48	Full Fit	1.000000
Al	308.215	07/12/04 02:48	Full Fit	1.000000
Ba	493.409	07/12/04 02:48	Full Fit	1.000000
Be	313.042	07/12/04 02:48	Full Fit	1.000000
Ca	317.933	07/12/04 02:48	Full Fit	1.000000
Cd	226.502/2	07/12/04 02:48	Full Fit	1.000000
Co	228.616	07/12/04 02:48	Full Fit	1.000000
Cr	267.716	07/12/04 02:48	Full Fit	1.000000
Cu	324.753	07/12/04 02:48	Full Fit	1.000000
Fe	271.441	07/12/04 02:49	Full Fit	1.000000
K_	766.491	07/12/04 02:49	Full Fit	.999997
Mg	279.078	07/12/04 02:49	Full Fit	1.000000
Mn	257.610	07/12/04 02:49	Full Fit	1.000000
Na	588.991	07/12/04 02:49	Full Fit	1.000000
Ni	231.604/2	07/12/04 02:49	Full Fit	1.000000
Sb	206.838/2	07/12/04 02:49	Full Fit	.999999
V_	292.402	07/12/04 02:49	Full Fit	1.000000
Zn	206.200	07/12/04 02:49	Full Fit	1.000000
As	189.042/2	07/12/04 02:49	Full Fit	1.000000
Pb	220.353	01/06/95 08:57	User Fit	1.000000
Se	196.026	01/06/95 08:57	User Fit	1.000000
Tl	190.864/2	07/12/04 02:49	Full Fit	1.000000

Analysis Report QC Standard 07/12/04 02:52:08 PM

Method: TRACE Sample Name: MIXBHIGH Operator: SW
Run Time: 07/12/04 14:49:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	9.9410	9.9664	9.9892	10.047	1.9932	.08475	10.003
SDev	.0061	.0091	.0274	.015	.0116	.00096	.005
%RSD	.06088	.09135	.27441	.14797	.57976	1.1325	.05119
#1	9.9453	9.9600	10.009	10.036	1.9851	.08407	9.9994
#2	9.9367	9.9728	9.9698	10.057	2.0014	.08542	10.007
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value					2.0000		10.000
Range					5.0000		5.0000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.9880	.03330	9.9748	9.9856	9.9551	10.045	-.00730
SDev	.0450	.00024	.0502	.0463	.0383	.003	.00320
%RSD	.45057	.71036	.50325	.46364	.38423	.02822	43.855
#1	9.9562	.03347	9.9393	9.9529	9.9281	10.043	-.00957
#2	10.020	.03314	10.010	10.018	9.9822	10.047	-.00504
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	10.000		10.000	10.000	10.000	10.000	
Range	5.0000		5.0000	5.0000	5.0000	5.0000	

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.13038	-.04555	9.9580	.09900	9.9860	2.0091	9.9752
SDev	.01746	.00058	.0425	.00000	.0398	.0044	.0288
%RSD	13.393	1.2729	.42720	.00000	.39828	.21928	.28831
#1	.11804	-.04596	9.9279	.09900	9.9579	2.0122	9.9548
#2	.14273	-.04514	9.9880	.09900	10.014	2.0060	9.9955
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value			10.000		10.000	2.0000	10.000
Range			5.0000		5.0000	5.0000	5.0000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	9.9296	9.9920	9.9579	10.028	9.9537
SDev	.0788	.0130	.0041	.001	.0471
%RSD	.79356	.12983	.04075	.00786	.47318
#1	9.8738	9.9828	9.9551	10.027	9.9204
#2	9.9853	10.001	9.9608	10.028	9.9870
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	10.000	10.000	10.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Method: TRACE Sample Name: MIXAHIGH Operator: SW
Run Time: 07/12/04 14:52:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.03261	.02137	-.01274	.01158	.00082	498.04	.00199
SDev	.00324	.00350	.00320	.00308	.00008	.57	.00017
%RSD	9.9296	16.375	25.087	26.637	10.168	.11544	8.8131
#1	-.03032	.01889	-.01048	.00940	.00088	498.44	.00211
#2	-.03490	.02384	-.01500	.01376	.00077	497.63	.00186
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value						500.00	
Range						5.0000	

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00234	497.45	.00069	.00488	.00526	.00389	199.64
SDev	.00018	3.56	.00075	.00009	.00054	.00027	.91
%RSD	7.6390	.71608	108.71	1.7662	10.342	6.9650	.45457
#1	.00246	494.93	.00122	.00495	.00488	.00408	199.00
#2	.00221	499.97	.00016	.00482	.00565	.00370	200.28
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		500.00					200.00
Range		5.0000					5.0000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	99.680	497.78	.00845	99.060	.00349	.01298	.00595
SDev	.315	2.33	.00006	.322	.00023	.00734	.00036
%RSD	.31636	.46769	.74565	.32531	6.6752	56.585	6.0734
#1	99.903	496.13	.00849	99.288	.00332	.01817	.00569
#2	99.457	499.43	.00840	98.832	.00365	.00779	.00620
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	100.00	500.00		100.00			
Range	5.0000	5.0000		5.0000			

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01231	.00020	.00339	.00348	-.00646
SDev	.00055	.00270	.00126	.00099	.00510
%RSD	4.4425	1380.1	37.010	28.527	78.886
#1	.01192	.00210	.00250	.00278	-.01006
#2	.01269	-.00171	.00428	.00418	-.00286
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value					
Range					

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Method: TRACE Sample Name: ICV Operator: SW
Run Time: 07/12/04 14:55:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.24769	.25196	.24205	.25160	.24928	24.869	.24134
SDev	.00017	.00146	.00947	.00195	.00116	.101	.00098
%RSD	.07062	.57875	3.9108	.77679	.46666	.40710	.40745
#1	.24757	.25299	.23536	.25298	.24846	24.941	.24203
#2	.24781	.25093	.24874	.25022	.25010	24.798	.24064
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.25000	25.250	.25000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.25561	25.312	.24784	.24513	.24487	.25003	10.187
SDev	.00009	.042	.00038	.00043	.00089	.00020	.009
%RSD	.03495	.16614	.15248	.17577	.36206	.08118	.08552
#1	.25555	25.282	.24758	.24482	.24424	.25018	10.181
#2	.25568	25.342	.24811	.24543	.24550	.24989	10.194
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	25.250	.25000	.25000	.25000	.25000	10.250
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.9371	25.325	.24747	10.097	.24119	.25391	.25187
SDev	.0604	.028	.00032	.078	.00043	.00167	.00036
%RSD	.60816	.11014	.12753	.77507	.17821	.65593	.14341
#1	9.9798	25.306	.24769	10.152	.24149	.25273	.25161
#2	9.8943	25.345	.24725	10.041	.24088	.25509	.25212
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	25.250	.25000	10.250	.25000	.25000	.25000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.24738	.25293	.25054	.24842	.25773
SDev	.00073	.00145	.00091	.00185	.00281
%RSD	.29506	.57501	.36496	.74415	1.0909
#1	.24686	.25190	.25119	.24711	.25971
#2	.24790	.25396	.24989	.24972	.25574
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	.25000	.25000	.25000	.25000
Range	10.000	10.000	10.000	10.000	10.000

Analysis Report Blank Sample 07/12/04 03:01:59 PM

Method: TRACE Sample Name: ICB Operator: SW
Run Time: 07/12/04 14:59:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00182	.00084	-.00053	-.00396	.00029	-.02108	-.00007
SDev	.00197	.00167	.00108	.00360	.00017	.00201	.00005
%RSD	108.08	197.83	203.08	90.864	57.620	9.5231	68.185
#1	.00043	-.00034	-.00130	-.00142	.00017	-.01966	-.00010
#2	.00322	.00202	.00023	-.00650	.00041	-.02250	-.00004
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00041	.01339	.00004	.00022	.00015	.00052	.00554
SDev	.00002	.00070	.00005	.00004	.00025	.00038	.01258
%RSD	4.3408	5.2063	106.33	19.557	166.14	73.628	226.91
#1	.00040	.01289	.00001	.00019	-.00003	.00025	-.00335
#2	.00042	.01388	.00007	.00025	.00033	.00079	.01443
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.29060	-.02710	.00016	.05563	-.00026	-.00082	.00007
SDev	.02308	.00232	.00001	.00069	.00014	.00138	.00000
%RSD	7.9427	8.5579	7.7083	1.2370	56.058	168.92	.00000
#1	.27428	-.02874	.00017	.05514	-.00036	-.00180	.00007
#2	.30692	-.02546	.00015	.05612	-.00015	.00016	.00007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00058	.00020	.00117	-.00282	-.00262
SDev	.00073	.00604	.00177	.00204	.00399
%RSD	125.60	2955.1	151.20	72.382	152.51
#1	.00006	-.00406	-.00008	-.00138	-.00544
#2	.00110	.00447	.00242	-.00426	.00021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: CRI Operator: SW
Run Time: 07/12/04 15:02:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00439	.00771	.01158	.00710	.02025	.42690	.39277
SDev	.00394	.00199	.00231	.00202	.00021	.00121	.00028
%RSD	89.648	25.835	19.973	28.495	1.0359	.28386	.07165
#1	.00161	.00911	.00994	.00567	.02040	.42776	.39257
#2	.00717	.00630	.01321	.00853	.02010	.42604	.39297
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01053	9.6716	.00999	.10064	.01980	.05106	.19164
SDev	.00000	.0200	.00012	.00065	.00017	.00020	.00510
%RSD	.00181	.20687	1.2314	.64243	.86395	.39765	2.6599
#1	.01053	9.6575	.01007	.10110	.01992	.05121	.19524
#2	.01053	9.6858	.00990	.10018	.01968	.05092	.18803
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.9192	9.8932	.03052	8.8768	.07948	.12506	.10298
SDev	.0137	.0144	.00006	.0017	.00040	.00276	.00036
%RSD	.15412	.14582	.20641	.01872	.49730	2.2082	.35069
#1	8.9094	9.8830	.03057	8.8779	.07976	.12311	.10273
#2	8.9289	9.9034	.03048	8.8756	.07920	.12701	.10324
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.04478	.01180	.00660	.00859	.01813
SDev	.00018	.00261	.00002	.00212	.00490
%RSD	.40702	22.149	.26378	24.671	27.042
#1	.04491	.01365	.00661	.00709	.02159
#2	.04466	.00995	.00659	.01009	.01466
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Analysis Report QC Standard 07/12/04 03:08:55 PM

Method: TRACE Sample Name: ICSA Operator: SW
Run Time: 07/12/04 15:06:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.02742	.01212	-.01664	-.00036	.00078	481.69	.00029
SDev	.00278	.00187	.00024	.00437	.00002	.87	.00003
%RSD	10.130	15.463	1.4231	1214.8	2.6869	.18102	12.225
#1	-.02546	.01344	-.01681	.00273	.00080	482.31	.00026
#2	-.02939	.01079	-.01647	-.00345	.00077	481.07	.00031
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.00000	500.00	.00000
Range					.02000	100.00	.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00111	499.66	.00004	.00394	.00006	-.00120	201.60
SDev	.00002	1.66	.00013	.00039	.00037	.00029	.44
%RSD	1.5742	.33271	313.23	9.8482	604.01	24.400	.21600
#1	.00110	498.48	.00014	.00421	-.00020	-.00141	201.29
#2	.00113	500.84	-.00005	.00366	.00033	-.00099	201.90
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	200.00
Range	.01000	100.00	.01000	.02000	.02000	.02000	40.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.15402	503.00	.00731	.12290	.00271	.00447	.00454
SDev	.02568	1.36	.00004	.00026	.00043	.00523	.00054
%RSD	16.677	.27019	.51719	.20932	15.828	116.97	11.927
#1	.13586	502.04	.00728	.12272	.00241	.00817	.00416
#2	.17218	503.96	.00733	.12309	.00302	.00077	.00492
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.00000		.00000	.00000	.00000
Range		100.00	.02000		.04000	.04000	.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.01115	.00084	-.00105	-.00578	-.00456
SDev	.00000	.00010	.00217	.00284	.00298
%RSD	.00000	12.278	207.67	49.048	65.334
#1	.01115	.00091	.00049	-.00378	-.00245
#2	.01115	.00077	-.00259	-.00779	-.00667
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000
Range	.04000	.02000	.00600	.01000	.02000

Method: TRACE Sample Name: ICSAB Operator: SW
Run Time: 07/12/04 15:08:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01439	.06717	.04241	.05171	.20929	484.53	.46524
SDev	.00914	.00490	.00795	.00400	.00015	.58	.00087
%RSD	63.468	7.2887	18.738	7.7330	.07064	.11979	.18664
#1	.02085	.06371	.04803	.04888	.20939	484.12	.46463
#2	.00793	.07064	.03679	.05453	.20918	484.94	.46585
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.20000	500.00	.50000
Range					20.000	20.000	20.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.46455	490.95	.87315	.44619	.44317	.52924	200.03
SDev	.00117	.85	.00191	.00065	.00093	.00061	.44
%RSD	.25135	.17317	.21862	.14492	.21066	.11500	.21984
#1	.46372	490.35	.87180	.44665	.44251	.52881	199.72
#2	.46537	491.55	.87450	.44573	.44383	.52967	200.34
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	500.00	1.0000	.50000	.50000	.50000	200.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.10012	497.89	.46498	.13607	.85625	.57868	.47843
SDev	.00685	1.04	.00105	.00084	.00214	.00455	.00036
%RSD	6.8364	.20909	.22579	.61809	.24946	.78677	.07551
#1	.10496	497.16	.46424	.13667	.85474	.58190	.47817
#2	.09528	498.63	.46572	.13548	.85776	.57546	.47868
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.50000		1.0000	.60000	.50000
Range		20.000	20.000		20.000	20.000	20.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.88280	.09571	.04960	.04861	.09339
SDev	.00476	.00170	.00022	.00002	.00566
%RSD	.53930	1.7758	.45042	.04200	6.0590
#1	.87943	.09451	.04944	.04860	.09739
#2	.88617	.09691	.04976	.04863	.08939
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000
Range	20.000	20.000	20.000	20.000	20.000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 15:11:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49587	.49837	.49806	.49309	.50325	50.505	.48569
SDev	.00109	.00156	.00949	.00836	.00126	.169	.00142
%RSD	.22063	.31411	1.9058	1.6958	.25026	.33417	.29238
#1	.49509	.49726	.49135	.49900	.50236	50.385	.48469
#2	.49664	.49947	.50477	.48718	.50414	50.624	.48670
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50701	51.214	.48752	.48441	.49298	.50859	20.799
SDev	.00052	.037	.00023	.00026	.00020	.00180	.024
%RSD	.10276	.07146	.04719	.05353	.04104	.35459	.11546
#1	.50664	51.188	.48735	.48423	.49284	.50732	20.782
#2	.50737	51.240	.48768	.48460	.49313	.50987	20.816
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.775	50.932	.49295	20.853	.48096	.48598	.50525
SDev	.130	.071	.00105	.137	.00221	.00024	.00072
%RSD	.62621	.13959	.21304	.65580	.45894	.04866	.14300
#1	20.683	50.882	.49220	20.757	.47940	.48615	.50474
#2	20.867	50.982	.49369	20.950	.48252	.48582	.50576
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49141	.50198	.49753	.49475	.51183
SDev	.00073	.00049	.00141	.00242	.00944
%RSD	.14874	.09823	.28309	.48842	1.8441
#1	.49193	.50163	.49654	.49645	.50515
#2	.49089	.50233	.49853	.49304	.51850
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Analysis Report Blank Sample 07/12/04 03:22:28 PM

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 15:20:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00030	.00154	.00437	-.00074	-.00009	.00605	-.00046
SDev	.00135	.00060	.00398	.00049	.00050	.00249	.00006
%RSD	446.94	39.158	91.205	65.773	533.26	41.249	12.788
#1	.00126	.00196	.00155	-.00109	-.00045	.00428	-.00050
#2	-.00065	.00111	.00718	-.00040	.00026	.00781	-.00042
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00005	.03515	-.00029	.00004	.00041	.00031	.02805
SDev	.00000	.00142	.00005	.00056	.00022	.00000	.00319
%RSD	.42140	4.0431	16.036	1495.4	52.630	.00000	11.372
#1	.00005	.03414	-.00032	-.00036	.00026	.00031	.02580
#2	.00005	.03615	-.00025	.00043	.00057	.00031	.03031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.31656	.00341	.00001	.05806	.00036	-.00284	-.00044
SDev	.03204	.00661	.00003	.00000	.00016	.00030	.00036
%RSD	10.122	194.22	210.04	.00000	44.008	10.400	82.485
#1	.29391	-.00127	-.00001	.05806	.00048	-.00263	-.00069
#2	.33922	.00808	.00003	.05806	.00025	-.00305	-.00018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00019	-.00123	.00113	.00096	-.00059
SDev	.00018	.00079	.00085	.00165	.00079
%RSD	94.037	63.834	75.703	172.09	133.18
#1	.00006	-.00179	.00173	-.00021	-.00003
#2	.00032	-.00068	.00052	.00213	-.00115
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040709-2MB Operator: SW
Run Time: 07/12/04 15:22:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00081	.00153	-.00082	.00050	-.00020	-.02746	-.00050
SDev	.00169	.00273	.00489	.00283	.00040	.00460	.00005
%RSD	207.96	178.80	597.55	568.42	201.05	16.766	9.3817
#1	.00201	.00346	-.00428	-.00150	.00008	-.02421	-.00046
#2	-.00038	-.00040	.00264	.00250	-.00048	-.03072	-.00053
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00001	.02546	-.00052	-.00018	.00013	.00019	.01337
SDev	.00000	.00047	.00028	.00034	.00034	.00045	.00629
%RSD	7.4032	1.8483	54.772	196.05	267.77	242.73	47.027
#1	-.00001	.02579	-.00032	.00007	.00037	.00051	.01782
#2	-.00000	.02513	-.00072	-.00042	-.00011	-.00013	.00892
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.27536	-.03448	-.00018	.05981	-.00062	-.00247	-.00018
SDev	.01289	.00348	.00008	.00049	.00013	.00036	.00072
%RSD	4.6817	10.089	41.084	.82789	20.180	14.703	395.86
#1	.28447	-.03202	-.00013	.06016	-.00053	-.00221	.00033
#2	.26624	-.03694	-.00024	.05946	-.00071	-.00273	-.00069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00329	.00003	.00129	.00006	-.00394
SDev	.00018	.00277	.00239	.00351	.00000
%RSD	5.5451	9096.0	184.93	5956.8	.05400
#1	.00342	.00199	.00298	-.00243	-.00394
#2	.00316	-.00193	-.00040	.00254	-.00395
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: IP040709-2LCS Operator: SW
Run Time: 07/12/04 15:26:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.59195	.60550	.52014	.53334	.01989	5.1866	.47482
SDev	.00342	.00527	.00753	.00758	.00042	.0000	.00052
%RSD	.57784	.87104	1.4478	1.4213	2.1089	.00003	.10874
#1	.59437	.60923	.52547	.53870	.01960	5.1866	.47518
#2	.58953	.60177	.51482	.52798	.02019	5.1866	.47445
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.51051	.02214	.60331	.49328	.49203	.50308	4.8653
SDev	.00090	.00094	.00044	.00091	.00068	.00027	.0198
%RSD	.17612	4.2396	.07351	.18359	.13915	.05378	.40733
#1	.51114	.02147	.60363	.49264	.49251	.50327	4.8513
#2	.50987	.02280	.60300	.49392	.49154	.50289	4.8793
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.27646	-.03899	.49865	.06000	.49904	.01989	.49669
SDev	.00000	.00174	.00001	.00008	.00020	.00454	.00018
%RSD	.00000	4.4612	.00254	.12695	.03979	22.840	.03636
#1	.27646	-.04022	.49865	.06005	.49890	.02310	.49656
#2	.27646	-.03776	.49866	.05995	.49918	.01667	.49682
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.50627	.52302	.60099	.52895	-.00429
SDev	.00055	.00098	.00466	.00756	.00277
%RSD	.10828	.18769	.77488	1.4299	64.562
#1	.50588	.52233	.60428	.53430	-.00624
#2	.50666	.52372	.59769	.52360	-.00233
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1 Operator: SW
Run Time: 07/12/04 15:29:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	k.00195	k-.00078	.00026	.00043	.00037	49.347	.29052
SDev	.00184	.00267	.00157	.00202	.00019	.048	.00008
%RSD	94.150	341.99	594.19	471.12	51.666	.09692	.02822
#1	k.00326	k-.00267	.00138	.00186	.00023	49.380	.29058
#2	k.00065	k.00111	-.00085	-.00100	.00050	49.313	.29047
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00174	C.00000	.00102	.04717	.09352	.06380	98.949
SDev	.00000	.00000	.00003	.00017	.00016	.00007	.027
%RSD	.00551	.00000	3.2561	.36548	.16628	.10609	.02706
#1	.00174	C.00000	.00105	.04705	.09341	.06384	98.930
#2	.00174	C.00000	.00100	.04729	.09363	.06375	98.968
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	13.124	47.735	2.9601	77.085	.03266	.00391	.23616
SDev	.051	.038	.0001	.286	.00025	.00047	.00018
%RSD	.39104	.07925	.00306	.37140	.76775	11.926	.07647
#1	13.160	47.709	2.9601	77.287	.03284	.00424	.23603
#2	13.087	47.762	2.9602	76.882	.03248	.00358	.23629
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.15411	.02736	k.00013	.00037	-.00655
SDev	.00018	.00067	.00117	.00187	.00590
%RSD	.11835	2.4582	905.22	500.13	90.192
#1	.15399	.02783	k-.00070	.00170	-.00237
#2	.15424	.02688	k.00096	-.00095	-.01072
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1D Operator: SW
Run Time: 07/12/04 15:31:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	k.00619	k.00116	.00420	.00374	.00051	48.528	.25923
SDev	.00434	.00236	.00226	.00139	.00019	.184	.00054
%RSD	70.059	203.44	53.828	37.211	36.749	.37963	.20776
#1	k.00926	k-.00051	.00260	.00472	.00065	48.398	.25885
#2	k.00312	k.00282	.00580	.00276	.00038	48.659	.25961
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00142	C.00000	.00067	.04606	.08215	.07839	97.966
SDev	.00002	.00000	.00008	.00034	.00009	.00009	.120
%RSD	1.2705	.00000	12.130	.74827	.11357	.11512	.12296
#1	.00143	C.00000	.00062	.04631	.08208	.07846	97.881
#2	.00141	C.00000	.00073	.04582	.08221	.07833	98.051
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	11.745	46.731	2.7892	68.357	.02922	.00639	.23961
SDev	.037	.022	.0030	.106	.00023	.00422	.00036
%RSD	.31311	.04675	.10799	.15496	.79592	65.950	.15074
#1	11.719	46.715	2.7871	68.282	.02906	.00938	.23935
#2	11.771	46.746	2.7913	68.432	.02939	.00341	.23986
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.17178	.02517	k.00283	.00389	-.00843
SDev	.01350	.00269	.00013	.00017	.00005
%RSD	7.8574	10.705	4.4889	4.4862	.59671
#1	.18133	.02707	k.00274	.00402	-.00847
#2	.16224	.02326	k.00292	.00377	-.00839
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1L 5X Operator: SW
Run Time: 07/12/04 15:34:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00501	.00276	-.00276	.00309	.00025	10.447	.06192
SDev	.00322	.00163	.00154	.00153	.00048	.040	.00022
%RSD	64.272	58.984	55.630	49.614	195.53	.37910	.35854
#1	.00729	.00161	-.00168	.00417	.00059	10.419	.06176
#2	.00273	.00392	-.00385	.00201	-.00009	10.475	.06208
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00046	348.49	-.00012	.01045	.02030	.01287	20.429
SDev	.00002	.25	.00005	.00009	.00023	.00002	.002
%RSD	3.7973	.07098	39.882	.82400	1.1488	.17532	.00970
#1	.00047	348.32	-.00008	.01051	.02047	.01289	20.431
#2	.00045	348.67	-.00015	.01039	.02014	.01285	20.428
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.5082	10.571	.64805	15.486	.00664	.00039	.05089
SDev	.0108	.039	.00128	.068	.00020	.00115	.00072
%RSD	.43053	.36778	.19748	.43630	2.9679	293.36	1.4193
#1	2.5159	10.544	.64715	15.438	.00650	.00120	.05140
#2	2.5006	10.599	.64896	15.534	.00678	-.00042	.05038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.03447	.00457	.00351	.00114	-.00145
SDev	.00055	.00415	.00001	.00153	.00331
%RSD	1.5862	90.854	.40844	134.64	227.76
#1	.03409	.00750	.00350	.00222	-.00379
#2	.03486	.00163	.00352	.00005	.00089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1MS Operator: SW
Run Time: 07/12/04 15:36:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	k.52554	k.52919	.48673	.50671	.01923	61.350	.68983
SDev	.00208	.00678	.00392	.00339	.00015	.146	.00168
%RSD	.39560	1.2818	.80524	.66975	.76374	.23845	.24380
#1	k.52701	k.52439	.48396	.50911	.01912	61.247	.68864
#2	k.52407	k.53399	.48950	.50431	.01933	61.453	.69102
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.45584	C.00000	.49084	.47125	.50063	.56212	113.97
SDev	.00163	.00000	.00064	.00069	.00013	.00212	.39
%RSD	.35838	.00000	.13008	.14632	.02487	.37692	.34050
#1	.45469	C.00000	.49039	.47173	.50054	.56062	113.69
#2	.45700	C.00000	.49130	.47076	.50072	.56362	114.24
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	11.881	49.730	3.3054	68.345	.44045	.01259	.69647
SDev	.046	.142	.0085	.109	.00034	.00238	.00199
%RSD	.38580	.28599	.25821	.15990	.07760	18.910	.28534
#1	11.849	49.629	3.2994	68.268	.44069	.01427	.69506
#2	11.914	49.830	3.3114	68.422	.44021	.01090	.69787
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.59054	.52983	k.52797	.50005	-.00478
SDev	.00018	.00945	.00383	.00096	.00181
%RSD	.03096	1.7835	.72579	.19167	37.925
#1	.59067	.52315	k.52526	.50073	-.00349
#2	.59041	.53651	k.53068	.49938	-.00606
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1MSD Operator: SW
Run Time: 07/12/04 15:39:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	k.53611	k.53291	.48918	.50332	.01924	53.230	.67843
SDev	.00324	.00541	.00044	.00251	.00059	.224	.00334
%RSD	.60392	1.0155	.09024	.49788	3.0526	.42099	.49228
#1	k.53840	k.52908	.48950	.50509	.01966	53.072	.67606
#2	k.53382	k.53673	.48887	.50154	.01883	53.388	.68079
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.45608	C.00000	.49106	.46414	.50204	.53858	96.232
SDev	.00230	.00000	.00340	.00151	.00184	.00155	.432
%RSD	.50385	.00000	.69207	.32551	.36574	.28879	.44857
#1	.45445	C.00000	.48866	.46307	.50074	.53748	95.926
#2	.45770	C.00000	.49346	.46521	.50334	.53968	96.537
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	11.675	43.137	3.1860	67.860	.43817	.01219	.66121
SDev	.021	.172	.0161	.035	.00226	.00314	.00271
%RSD	.17783	.39928	.50544	.05214	.51636	25.717	.40982
#1	11.660	43.015	3.1746	67.835	.43657	.01441	.65929
#2	11.689	43.259	3.1974	67.885	.43977	.00998	.66312
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.55990	.52241	k.53397	.49861	-.00663
SDev	.00293	.00500	.00253	.00182	.00140
%RSD	.52235	.95607	.47405	.36470	21.082
#1	.55783	.51888	k.53218	.49990	-.00564
#2	.56197	.52594	k.53576	.49732	-.00762
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-2 Operator: SW
Run Time: 07/12/04 15:41:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01696	.02440	-.00464	.02447	.00039	86.335	.22183
SDev	.00090	.00280	.01043	.00193	.00036	.125	.00033
%RSD	5.3108	11.463	224.91	7.8673	90.264	.14464	.14772
#1	.01633	.02638	-.01201	.02584	.00014	86.247	.22160
#2	.01760	.02243	.00274	.02311	.00065	86.424	.22207
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00135	144.27	.00813	.06443	.23409	.12759	171.39
SDev	.00000	.44	.00029	.00013	.00030	.00023	.26
%RSD	.02842	.30340	3.5147	.20055	.12625	.17680	.15169
#1	.00135	143.96	.00833	.06452	.23388	.12743	171.20
#2	.00135	144.58	.00793	.06434	.23430	.12775	171.57
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	15.223	68.851	1.8386	76.983	.07978	.00397	.39873
SDev	.005	.135	.0036	.144	.00115	.00743	.00072
%RSD	.03058	.19662	.19790	.18668	1.4378	186.86	.18119
#1	15.219	68.756	1.8361	77.084	.07897	-.00128	.39822
#2	15.226	68.947	1.8412	76.881	.08059	.00922	.39924
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.28674	.06745	.02193	.01478	-.01030
SDev	.00018	.00167	.00157	.00219	.00068
%RSD	.06365	2.4713	7.1418	14.813	6.6284
#1	.28687	.06863	.02303	.01323	-.00981
#2	.28661	.06627	.02082	.01633	-.01078
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-3 Operator: SW
Run Time: 07/12/04 15:44:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01589	.01710	.00126	.00576	.00034	63.348	.19215
SDev	.00157	.00272	.00379	.00153	.00019	.174	.00028
%RSD	9.8688	15.920	301.56	26.666	56.231	.27455	.14614
#1	.01700	.01518	.00394	.00467	.00047	63.225	.19195
#2	.01478	.01903	-.00142	.00684	.00020	63.471	.19234
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00120	299.92	.00501	.04259	.20338	.09109	103.33
SDev	.00004	1.01	.00000	.00039	.00065	.00009	.39
%RSD	2.9604	.33659	.06860	.91061	.32120	.09906	.37782
#1	.00118	299.21	.00501	.04287	.20291	.09115	103.06
#2	.00123	300.63	.00501	.04232	.20384	.09103	103.61
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	14.379	52.097	1.3486	79.796	.06418	.00325	.23884
SDev	.045	.163	.0041	.132	.00038	.00179	.00000
%RSD	.31237	.31329	.30546	.16575	.58582	55.087	.00000
#1	14.347	51.982	1.3457	79.702	.06391	.00451	.23884
#2	14.410	52.212	1.3515	79.889	.06444	.00198	.23884
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.22209	.03876	.01670	.00426	-.00821
SDev	.00073	.00215	.00129	.00024	.00300
%RSD	.32861	5.5439	7.7500	5.5882	36.510
#1	.22158	.03725	.01578	.00443	-.00609
#2	.22261	.04028	.01761	.00409	-.01032
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-4 Operator: SW
Run Time: 07/12/04 15:46:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.08060	.09158	-.00694	.01801	.00014	70.237	.26150
SDev	.00395	.00566	.00331	.00061	.00050	.187	.00028
%RSD	4.8985	6.1803	47.708	3.3797	352.26	.26672	.10746
#1	.07781	.09558	-.00928	.01844	-.00021	70.105	.26130
#2	.08339	.08758	-.00460	.01758	.00050	70.370	.26170
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00658	8.6639	.00047	.04942	.13396	.09699	160.31
SDev	.00002	.0407	.00026	.00043	.00121	.00036	.67
%RSD	.25652	.46974	55.105	.87253	.90548	.37215	.41869
#1	.00657	8.6351	.00066	.04911	.13310	.09674	159.84
#2	.00659	8.6927	.00029	.04972	.13482	.09725	160.79
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	7.2537	47.868	3.9939	9.7712	.17165	.00270	.25800
SDev	.0185	.139	.0155	.0162	.00018	.00229	.00181
%RSD	.25514	.29107	.38862	.16548	.10479	84.550	.69998
#1	7.2406	47.770	3.9829	9.7826	.17152	.00109	.25672
#2	7.2668	47.967	4.0049	9.7598	.17178	.00432	.25927
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.1558	.02263	.08792	.00970	.00014
SDev	.0086	.00185	.00246	.00070	.00299
%RSD	.74572	8.1717	2.7984	7.1779	2205.2
#1	1.1497	.02394	.08966	.00921	-.00198
#2	1.1619	.02133	.08618	.01019	.00225
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 15:49:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49017	.49726	.49248	.49970	.50097	49.808	.47457
SDev	.00485	.00025	.00034	.00175	.00132	.104	.00074
%RSD	.99004	.05094	.06917	.34921	.26416	.20807	.15578
#1	.48674	.49744	.49272	.49847	.50004	49.734	.47405
#2	.49360	.49708	.49224	.50094	.50191	49.881	.47510
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50661	50.632	.48284	.48218	.48910	.50050	20.655
SDev	.00079	.083	.00146	.00047	.00053	.00149	.023
%RSD	.15603	.16406	.30260	.09845	.10817	.29727	.11162
#1	.50717	50.691	.48387	.48185	.48947	.49944	20.671
#2	.50605	50.573	.48181	.48252	.48872	.50155	20.639
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.197	50.577	.48827	20.358	.47189	.47939	.50180
SDev	.001	.060	.00048	.021	.00093	.00179	.00126
%RSD	.00699	.11900	.09847	.10155	.19758	.37408	.25197
#1	20.196	50.619	.48861	20.343	.47255	.48065	.50269
#2	20.198	50.534	.48793	20.372	.47123	.47812	.50090
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49335	.50331	.49490	.49730	.51464
SDev	.00311	.00128	.00145	.00105	.00274
%RSD	.62963	.25471	.29239	.21124	.53231
#1	.49555	.50422	.49387	.49655	.51271
#2	.49115	.50240	.49592	.49804	.51658
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 15:51:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00387	.00108	.00037	.00071	.00013	.00232	-.00046
SDev	.00012	.00116	.00367	.00682	.00090	.00093	.00003
%RSD	3.1878	107.48	984.85	966.34	704.20	40.229	7.6725
#1	.00396	.00026	-.00222	-.00412	-.00051	.00298	-.00048
#2	.00378	.00189	.00297	.00553	.00077	.00166	-.00043
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00005	.05551	-.00038	-.00042	.00040	.00022	.02526
SDev	.00000	.00167	.00012	.00000	.00002	.00014	.00886
%RSD	.00000	3.0141	30.715	.00293	3.8619	62.151	35.076
#1	.00005	.05669	-.00030	-.00042	.00039	.00012	.01899
#2	.00005	.05432	-.00046	-.00042	.00041	.00031	.03152
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.30292	.00295	.00026	.06234	.00026	-.00346	-.00095
SDev	.01890	.00096	.00000	.00065	.00070	.00015	.00000
%RSD	6.2391	32.521	.00000	1.0366	265.88	4.2411	.00000
#1	.28956	.00362	.00026	.06280	-.00023	-.00336	-.00095
#2	.31628	.00227	.00026	.06188	.00076	-.00356	-.00095
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00032	-.00072	.00201	.00059	-.00099
SDev	.00000	.00105	.00073	.00577	.00339
%RSD	.00000	145.30	36.398	970.20	343.25
#1	.00032	.00002	.00149	-.00349	-.00338
#2	.00032	-.00147	.00252	.00468	.00141
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405096-5 Operator: SW
Run Time: 07/12/04 15:54:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.14548	.16521	-.02303	.02405	.00034	87.250	.61707
SDev	.00094	.00117	.00237	.00121	.00006	.091	.00107
%RSD	.64413	.70961	10.289	5.0192	18.744	.10438	.17331
#1	.14482	.16438	-.02470	.02491	.00038	87.314	.61783
#2	.14615	.16604	-.02135	.02320	.00029	87.185	.61631
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00939	13.539	-.00054	.05792	.34536	.11494	H206.29
SDev	.00000	.051	.00017	.00022	.00135	.00025	.67
%RSD	.00306	.37789	31.397	.37276	.39190	.21590	.32563
#1	.00939	13.502	-.00067	.05808	.34440	.11511	H205.82
#2	.00939	13.575	-.00042	.05777	.34632	.11476	H206.77
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	11.591	54.968	6.8506	23.283	.17917	.00639	.35390
SDev	.020	.153	.0184	.037	.00147	.00020	.00054
%RSD	.16979	.27892	.26903	.15820	.82049	3.1782	.15309
#1	11.605	54.860	6.8376	23.309	.17813	.00625	.35352
#2	11.577	55.077	6.8636	23.257	.18021	.00653	.35429
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.0066	.04008	.15864	.00838	-.00494
SDev	.0059	.00490	.00109	.00002	.00564
%RSD	.58250	12.225	.68962	.19418	114.13
#1	1.0025	.03662	.15787	.00839	-.00095
#2	1.0108	.04355	.15942	.00836	-.00892
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-6 Operator: SW
Run Time: 07/12/04 15:56:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00097	.02275	-.02750	.02915	-.00008	138.53	.29592
SDev	.00963	.00398	.00199	.00631	.00040	.44	.00071
%RSD	991.15	17.501	7.2379	21.638	500.85	.31650	.24144
#1	-.00778	.02556	-.02890	.03361	-.00036	138.84	.29643
#2	.00584	.01993	-.02609	.02469	.00020	138.22	.29542
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00275	73.904	-.00493	.09671	.43708	.16183	H370.58
SDev	.00000	.104	.00033	.00004	.00109	.00120	.75
%RSD	.01742	.14137	6.6129	.04432	.24919	.73873	.20254
#1	.00275	73.978	-.00470	.09668	.43785	.16268	H371.11
#2	.00275	73.830	-.00516	.09674	.43631	.16099	H370.05
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	21.988	113.88	5.4367	9.1434	.60895	-.00038	.42185
SDev	.063	.14	.0089	.0188	.00142	.00644	.00090
%RSD	.28479	.12081	.16364	.20589	.23283	1688.9	.21408
#1	22.032	113.97	5.4430	9.1567	.60995	.00417	.42248
#2	21.944	113.78	5.4304	9.1301	.60795	-.00493	.42121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.44865	.01615	.01485	.01029	.01291
SDev	.00128	.00274	.00055	.00354	.00170
%RSD	.28502	16.991	3.7162	34.458	13.200
#1	.44955	.01809	.01446	.01279	.01411
#2	.44775	.01421	.01524	.00778	.01170
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-7 Operator: SW
Run Time: 07/12/04 15:59:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.13857	.16071	-.14544	.00891	-.00069	64.045	.25932
SDev	.00121	.00124	.00062	.00059	.00017	.232	.00041
%RSD	.87184	.77071	.42955	6.5786	24.401	.36212	.15802
#1	.13772	.16158	-.14500	.00932	-.00081	63.881	.25903
#2	.13943	.15983	-.14589	.00849	-.00057	64.209	.25961
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00361	H642.38	.00135	.04061	.20011	.09800	173.63
SDev	.00002	4.69	.00017	.00030	.00092	.00020	.76
%RSD	.46704	.73047	12.490	.74276	.45857	.20719	.43979
#1	.00360	H639.06	.00147	.04082	.19946	.09814	173.09
#2	.00362	H645.70	.00123	.04039	.20076	.09785	174.17
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	26.669	74.361	2.6822	H157.99	.06992	.00248	.28609
SDev	.035	.207	.0107	.02	.00011	.00517	.00181
%RSD	.12987	.27791	.40059	.01253	.15440	208.78	.63126
#1	26.644	74.215	2.6746	H157.98	.06999	-.00118	.28481
#2	26.693	74.507	2.6898	H158.01	.06984	.00613	.28737
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.37284	.06298	.15334	L-.04249	-.00889
SDev	.00292	.00407	.00042	.00060	.00583
%RSD	.78361	6.4615	.27641	1.4096	65.583
#1	.37078	.06585	.15364	L-.04207	-.01302
#2	.37491	.06010	.15304	L-.04291	-.00477
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-8 Operator: SW
Run Time: 07/12/04 16:01:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09611	.10258	-.16963	-.00280	-.00109	56.809	.23610
SDev	.00370	.00649	.00205	.00299	.00107	.189	.00005
%RSD	3.8528	6.3252	1.2098	106.65	98.309	.33336	.01983
#1	.09873	.09799	-.17108	-.00069	-.00033	56.675	.23607
#2	.09350	.10716	-.16818	-.00492	-.00184	56.943	.23614
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00282	H1435.9	.00117	.03423	.22455	.07720	111.43
SDev	.00000	3.8	.00025	.00017	.00030	.00043	.10
%RSD	.01358	.26626	21.220	.50371	.13160	.55528	.09041
#1	.00282	H1433.2	.00135	.03435	.22475	.07750	111.35
#2	.00282	H1438.6	.00099	.03411	.22434	.07689	111.50
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	17.969	61.910	2.9519	94.859	.07950	.00349	.19313
SDev	.136	.035	.0014	.772	.00016	.00283	.00072
%RSD	.75444	.05587	.04737	.81397	.20322	81.027	.37402
#1	17.874	61.886	2.9509	94.313	.07962	.00549	.19364
#2	18.065	61.934	2.9529	95.405	.07939	.00149	.19262
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.31978	.03769	.10042	L-.05836	-.00907
SDev	.00164	.00057	.00310	.00131	.00232
%RSD	.51377	1.5164	3.0814	2.2450	25.619
#1	.32094	.03809	.09824	L-.05743	-.00743
#2	.31862	.03728	.10261	L-.05928	-.01072
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-9 Operator: SW
Run Time: 07/12/04 16:04:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.12835	.15541	-.04394	.02945	-.00041	76.629	.38751
SDev	.00053	.00045	.00278	.00346	.00065	.010	.00061
%RSD	.41356	.28883	6.3199	11.749	160.21	.01364	.15733
#1	.12873	.15509	-.04197	.03189	-.00087	76.637	.38794
#2	.12798	.15573	-.04590	.02700	.00005	76.622	.38708
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00679	158.55	.01701	.03779	.29077	.19208	173.48
SDev	.00003	1.54	.00024	.00056	.00230	.00084	1.16
%RSD	.51704	.97174	1.3867	1.4825	.79176	.43450	.67089
#1	.00676	157.46	.01718	.03739	.28914	.19267	172.66
#2	.00681	159.64	.01685	.03818	.29240	.19149	174.30
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	25.745	88.032	1.8629	C.00000	.11775	.00298	.36450
SDev	.169	.527	.0111	.00000	.00183	.00231	.00108
%RSD	.65549	.59903	.59711	.00000	1.5536	77.629	.29730
#1	25.864	87.659	1.8551	C.00000	.11646	.00461	.36374
#2	25.625	88.405	1.8708	C.00000	.11905	.00134	.36527
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.65868	.16621	.14640	.00501	-.00439
SDev	.00768	.00044	.00012	.00323	.00599
%RSD	1.1662	.26421	.08377	64.514	136.39
#1	.65325	.16590	.14631	.00730	-.00863
#2	.66411	.16652	.14649	.00272	-.00016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-10 Operator: SW
Run Time: 07/12/04 16:06:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.07920	.08132	-.04565	.00339	-.00049	57.485	.31822
SDev	.00007	.00079	.00093	.00113	.00061	.154	.00063
%RSD	.08984	.97657	2.0371	33.277	122.92	.26782	.19881
#1	.07915	.08188	-.04631	.00419	-.00092	57.376	.31777
#2	.07925	.08076	-.04499	.00260	-.00006	57.594	.31866
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00205	H568.00	-.00001	.03941	.18247	.11408	111.02
SDev	.00002	2.71	.00000	.00039	.00089	.00043	.32
%RSD	.85774	.47721	19.984	.98505	.48583	.37573	.28931
#1	.00203	H566.08	-.00001	.03913	.18184	.11377	110.79
#2	.00206	H569.91	-.00001	.03968	.18310	.11438	111.24
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	23.624	50.762	2.1440	50.672	.06937	.00414	.19887
SDev	.029	.143	.0058	.075	.00027	.00642	.00054
%RSD	.12330	.28119	.27149	.14850	.38838	155.13	.27241
#1	23.604	50.661	2.1399	50.618	.06918	-.00040	.19849
#2	23.645	50.862	2.1481	50.725	.06956	.00868	.19926
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.28480	.00955	.08061	L-.01294	-.00914
SDev	.00146	.00068	.00051	.00044	.00171
%RSD	.51268	7.0858	.62770	3.4306	18.689
#1	.28377	.01003	.08097	L-.01262	-.01035
#2	.28584	.00907	.08026	L-.01325	-.00793
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-11 Operator: SW
Run Time: 07/12/04 16:09:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.13634	.14278	-.00687	.00398	.00397	8.4084	.06516
SDev	.00239	.00455	.00573	.00512	.00029	.0420	.00001
%RSD	1.7569	3.1832	83.396	128.82	7.3983	.49965	.01793
#1	.13465	.14600	-.01092	.00760	.00417	8.4381	.06515
#2	.13803	.13957	-.00282	.00035	.00376	8.3787	.06517
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00441	.65244	-.00043	.00418	.25459	.03399	49.333
SDev	.00002	.01281	.00008	.00034	.00017	.00007	.067
%RSD	.40185	1.9635	18.266	8.2593	.06721	.19912	.13645
#1	.00443	.66150	-.00038	.00393	.25447	.03395	49.381
#2	.00440	.64339	-.00049	.00442	.25471	.03404	49.286
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.3050	1.0054	.75659	2.7030	.01697	-.00079	.01271
SDev	.0016	.0000	.00062	.0045	.00023	.00036	.00018
%RSD	.04898	.00000	.08214	.16709	1.3702	46.415	1.4203
#1	3.3061	1.0054	.75703	2.6998	.01714	-.00104	.01284
#2	3.3039	1.0054	.75615	2.7062	.01681	-.00053	.01258
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.10885	.01676	.14064	.00036	-.00036
SDev	.00000	.00030	.00223	.00151	.00258
%RSD	.00000	1.8113	1.5884	413.46	713.57
#1	.10885	.01698	.14222	.00143	-.00218
#2	.10885	.01655	.13906	-.00070	.00146
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-12 Operator: SW
Run Time: 07/12/04 16:11:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09064	.08695	-.00880	.00066	.00655	6.1067	.04868
SDev	.00414	.00310	.00050	.00063	.00025	.0359	.00036
%RSD	4.5641	3.5626	5.6834	95.084	3.8431	.58803	.74391
#1	.08771	.08914	-.00915	.00022	.00637	6.0813	.04843
#2	.09356	.08476	-.00844	.00111	.00672	6.1321	.04894
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00347	.78752	-.00045	.00344	.28578	.03024	43.691
SDev	.00000	.00504	.00006	.00086	.00233	.00014	.370
%RSD	.00000	.64039	14.175	25.080	.81648	.44760	.84731
#1	.00347	.78396	-.00041	.00283	.28413	.03034	43.430
#2	.00347	.79109	-.00050	.00405	.28743	.03015	43.953
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.5324	.79321	.35220	2.0119	.01491	.00144	.01310
SDev	.0326	.00657	.00324	.0026	.00032	.00360	.00000
%RSD	.92246	.82820	.91848	.13120	2.1719	249.27	.00000
#1	3.5093	.78856	.34992	2.0100	.01468	-.00110	.01310
#2	3.5554	.79785	.35449	2.0138	.01514	.00398	.01310
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.07791	.09260	.08818	-.00249	-.00385
SDev	.00182	.00077	.00069	.00059	.00370
%RSD	2.3400	.83611	.78080	23.566	96.086
#1	.07662	.09205	.08866	-.00290	-.00646
#2	.07920	.09315	.08769	-.00207	-.00123
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-13 Operator: SW
Run Time: 07/12/04 16:14:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04147	.05265	-.01594	.01863	-.00073	94.663	.34184
SDev	.00247	.00081	.00184	.00084	.00069	.187	.00033
%RSD	5.9606	1.5369	11.542	4.5029	94.538	.19801	.09599
#1	.03972	.05322	-.01725	.01803	-.00122	94.530	.34208
#2	.04321	.05207	-.01464	.01922	-.00024	94.795	.34161
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00939	9.4382	-.00117	.08118	.32133	.06949	H239.79
SDev	.00007	.0653	.00002	.00073	.00159	.00000	1.17
%RSD	.75147	.69203	1.5603	.90266	.49382	.00000	.48732
#1	.00934	9.3920	-.00118	.08066	.32020	.06949	H238.97
#2	.00944	9.4844	-.00116	.08169	.32245	.06949	H240.62
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	11.259	69.397	H10.889	3.7333	.07809	.00308	.35275
SDev	.019	.333	.047	.0052	.00120	.00445	.00145
%RSD	.17189	.48024	.42989	.13806	1.5393	144.72	.40959
#1	11.245	69.161	H10.856	3.7369	.07724	-.00007	.35173
#2	11.273	69.633	H10.922	3.7296	.07894	.00623	.35378
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.61083	.01679	.04892	.00712	.00423
SDev	.00549	.00200	.00028	.00117	.00671
%RSD	.89798	11.920	.57918	16.476	158.83
#1	.60696	.01538	.04872	.00629	-.00052
#2	.61471	.01821	.04912	.00794	.00897
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-14 Operator: SW
Run Time: 07/12/04 16:16:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04544	.05450	-.00730	.01208	.00072	59.556	.36406
SDev	.00444	.00004	.00693	.00233	.00006	.244	.00179
%RSD	9.7632	.07302	95.004	19.324	8.7235	.40973	.49260
#1	.04230	.05452	-.00239	.01374	.00077	59.383	.36279
#2	.04858	.05447	-.01220	.01043	.00068	59.728	.36533
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00502	7.4685	-.00029	.03793	.22512	.06603	137.90
SDev	.00000	.0132	.00003	.00060	.00054	.00020	.28
%RSD	.00000	.17740	10.005	1.5927	.24182	.30752	.20497
#1	.00502	7.4592	-.00031	.03750	.22473	.06617	137.70
#2	.00502	7.4779	-.00027	.03836	.22550	.06589	138.10
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	7.2804	41.914	2.3806	2.9140	.12035	.00344	.21969
SDev	.0480	.046	.0049	.0128	.00045	.00357	.00000
%RSD	.65867	.10944	.20609	.43859	.37176	103.70	.00000
#1	7.2465	41.881	2.3771	2.9049	.12067	.00597	.21969
#2	7.3143	41.946	2.3841	2.9230	.12004	.00092	.21969
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.63424	.01691	.05148	.00563	-.00662
SDev	.00238	.00250	.00145	.00387	.00225
%RSD	.37482	14.785	2.8180	68.649	33.999
#1	.63256	.01868	.05045	.00836	-.00503
#2	.63592	.01514	.05251	.00290	-.00821
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: CCV Operator: SW
Run Time: 07/12/04 16:19:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49086	.49727	.49302	.50121	.50239	49.996	.47606
SDev	.00536	.00444	.00077	.00564	.00077	.180	.00113
%RSD	1.0909	.89228	.15586	1.1257	.15295	.35919	.23664
#1	.48707	.49413	.49357	.49722	.50185	49.869	.47526
#2	.49464	.50041	.49248	.50520	.50294	50.123	.47686
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50525	50.760	.48379	.48459	.48843	.50193	20.654
SDev	.00045	.047	.00011	.00078	.00023	.00149	.004
%RSD	.08903	.09217	.02233	.16014	.04779	.29642	.01915
#1	.50557	50.793	.48386	.48514	.48826	.50088	20.657
#2	.50494	50.727	.48371	.48404	.48859	.50298	20.651
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.366	50.660	.48820	20.554	.47447	.48199	.50142
SDev	.096	.014	.00000	.112	.00231	.00156	.00072
%RSD	.47127	.02681	.00000	.54254	.48761	.32396	.14409
#1	20.298	50.669	.48820	20.475	.47283	.48089	.50090
#2	20.434	50.650	.48820	20.633	.47610	.48309	.50193
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.49413	.49932	.49513	.49849	.50936
SDev	.00201	.00141	.00474	.00351	.00157
%RSD	.40678	.28282	.95785	.70363	.30867
#1	.49555	.49832	.49178	.49601	.51047
#2	.49270	.50032	.49849	.50097	.50825
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000

Method: TRACE Sample Name: CCB Operator: SW
Run Time: 07/12/04 16:21:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00156	.00030	.00663	-.00060	-.00001	.02898	-.00034
SDev	.00288	.00199	.00142	.00088	.00075	.00302	.00008
%RSD	184.36	670.67	21.420	147.37	13963.	10.435	23.972
#1	.00360	-.00111	.00763	.00003	.00053	.03112	-.00028
#2	-.00047	.00170	.00562	-.00122	-.00054	.02684	-.00040
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00017	.06160	-.00028	-.00039	.00070	.00015	.04422
SDev	.00003	.00264	.00028	.00030	.00028	.00032	.01144
%RSD	20.637	4.2769	100.55	77.534	40.013	205.11	25.873
#1	.00020	.06346	-.00008	-.00018	.00090	.00038	.05231
#2	.00015	.05974	-.00048	-.00060	.00050	-.00007	.03613
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.28802	.01597	.00077	.06495	.00071	-.00284	-.00031
SDev	.03080	.00741	.00016	.00091	.00025	.00044	.00054
%RSD	10.695	46.414	21.292	1.4019	35.460	15.572	174.66
#1	.30980	.02121	.00088	.06559	.00053	-.00315	.00007
#2	.26624	.01073	.00065	.06430	.00088	-.00253	-.00069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00071	.00233	.00072	.00181	-.00226
SDev	.00018	.00179	.00037	.00106	.00158
%RSD	25.695	76.903	51.307	58.654	70.065
#1	.00084	.00106	.00046	.00256	-.00114
#2	.00058	.00360	.00098	.00106	-.00338
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000	.01000	.00300	.00500	.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000

Method: TRACE Sample Name: 0405096-15 Operator: SW
Run Time: 07/12/04 16:24:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.05742	.07708	-.02192	.02423	.00048	80.266	.64149
SDev	.00041	.00215	.00001	.00345	.00027	.131	.00008
%RSD	.70749	2.7861	.02291	14.253	56.335	.16369	.01283
#1	.05713	.07860	-.02192	.02668	.00068	80.173	.64143
#2	.05770	.07556	-.02193	.02179	.00029	80.359	.64155
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00596	12.836	.00013	.05266	.35119	.09596	177.21
SDev	.00002	.016	.00015	.00043	.00058	.00020	.16
%RSD	.29116	.12358	116.17	.81858	.16390	.21160	.09158
#1	.00597	12.825	.00023	.05296	.35160	.09610	177.10
#2	.00595	12.847	.00002	.05235	.35078	.09581	177.33
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	11.123	57.183	3.9007	3.4593	.19641	.00032	.28264
SDev	.000	.049	.0032	.0013	.00029	.00271	.00090
%RSD	.00329	.08563	.08273	.03644	.14579	846.57	.31947
#1	11.122	57.148	3.8984	3.4584	.19620	-.00159	.28328
#2	11.123	57.218	3.9030	3.4602	.19661	.00223	.28201
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.89847	.01634	.07053	.00886	.00896
SDev	.00128	.00051	.00130	.00231	.00405
%RSD	.14268	3.1197	1.8391	26.013	45.185
#1	.89756	.01670	.07145	.01049	.01182
#2	.89937	.01598	.06961	.00723	.00609
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-16 Operator: SW
Run Time: 07/12/04 16:26:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04275	.05358	-.00970	.01145	-.00024	68.231	.46420
SDev	.00347	.00310	.00035	.00164	.00096	.003	.00133
%RSD	8.1168	5.7898	3.5579	14.324	397.53	.00493	.28563
#1	.04521	.05138	-.00994	.01261	.00044	68.233	.46327
#2	.04030	.05577	-.00946	.01029	-.00092	68.229	.46514
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00554	8.2710	-.00004	.04949	.21217	.10119	161.23
SDev	.00004	.0311	.00002	.00077	.00072	.00016	.09
%RSD	.64363	.37582	40.882	1.5670	.33720	.15606	.05832
#1	.00552	8.2930	-.00005	.05004	.21268	.10130	161.29
#2	.00557	8.2490	-.00003	.04894	.21167	.10108	161.16
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.3872	47.229	2.9853	3.1082	.16975	.00078	.24063
SDev	.0489	.040	.0017	.0272	.00050	.00439	.00000
%RSD	.58307	.08575	.05857	.87431	.29636	562.82	.00000
#1	8.3526	47.257	2.9865	3.0890	.17011	.00388	.24063
#2	8.4218	47.200	2.9841	3.1274	.16939	-.00232	.24063
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.82713	.01657	.04997	.00440	.00358
SDev	.00256	.00183	.00091	.00098	.00869
%RSD	.30984	11.038	1.8279	22.219	242.84
#1	.82894	.01786	.04933	.00510	.00973
#2	.82532	.01528	.05062	.00371	-.00257
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-17 Operator: SW
Run Time: 07/12/04 16:29:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.08809	.10298	-.01243	.02195	.00029	85.971	.43168
SDev	.00150	.00066	.00344	.00381	.00038	.009	.00098
%RSD	1.7014	.64096	27.680	17.380	129.65	.01074	.22825
#1	.08915	.10345	-.01000	.02465	.00002	85.977	.43098
#2	.08703	.10251	-.01487	.01925	.00056	85.964	.43237
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00845	8.0079	.00035	.05975	.31891	.10944	H210.80
SDev	.00000	.0191	.00012	.00004	.00190	.00104	.66
%RSD	.00681	.23868	34.779	.07273	.59511	.94826	.31356
#1	.00845	7.9944	.00043	.05972	.31756	.10870	H210.33
#2	.00845	8.0214	.00026	.05978	.32025	.11017	H211.26
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	11.003	52.963	6.9782	2.8809	.25668	.00744	.32466
SDev	.024	.152	.0180	.0124	.00016	.00035	.00108
%RSD	.21609	.28653	.25769	.42950	.06290	4.7289	.33377
#1	11.019	52.856	6.9655	2.8897	.25657	.00769	.32389
#2	10.986	53.070	6.9910	2.8722	.25680	.00719	.32542
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.2239	.02373	.09802	.01050	.01358
SDev	.0040	.00250	.00094	.00369	.00014
%RSD	.32977	10.542	.95831	35.149	1.0088
#1	1.2211	.02196	.09869	.01311	.01368
#2	1.2268	.02550	.09736	.00789	.01348
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-18 Operator: SW
Run Time: 07/12/04 16:31:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.42526	.45805	-.12838	.01291	-.00272	49.018	.56851
SDev	.00464	.00477	.00379	.00307	.00031	.271	.00249
%RSD	1.0904	1.0405	2.9553	23.760	11.568	.55289	.43802
#1	.42854	.46142	-.12570	.01074	-.00250	48.827	.56675
#2	.42198	.45468	-.13106	.01507	-.00294	49.210	.57027
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01110	3.3752	-.00029	.05306	.25826	.04803	169.78
SDev	.00002	.0146	.00022	.00035	.00159	.00029	.86
%RSD	.15724	.43151	74.303	.65160	.61434	.61063	.50392
#1	.01109	3.3649	-.00044	.05281	.25713	.04783	169.17
#2	.01111	3.3855	-.00014	.05330	.25938	.04824	170.38
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.8315	20.119	H13.641	2.0789	.04921	.00187	.10477
SDev	.0439	.091	.059	.0098	.00009	.00027	.00072
%RSD	.44638	.45337	.43406	.47004	.18123	14.686	.68942
#1	9.8005	20.055	H13.600	2.0720	.04927	.00206	.10426
#2	9.8625	20.184	H13.683	2.0858	.04914	.00167	.10528
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	1.5113	.05924	.44713	L-.03414	.00463
SDev	.0037	.00121	.00472	.00078	.00570
%RSD	.24315	2.0405	1.0563	2.2904	123.11
#1	1.5087	.05838	.45047	L-.03469	.00867
#2	1.5139	.06009	.44379	L-.03359	.00060
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-19 Operator: SW
Run Time: 07/12/04 16:34:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.14767	.15625	-.02556	.01139	-.00039	16.959	.13495
SDev	.00055	.00036	.00358	.00210	.00025	.021	.00022
%RSD	.37096	.23128	14.004	18.462	64.367	.12659	.16463
#1	.14805	.15600	-.02809	.00991	-.00021	16.974	.13479
#2	.14728	.15651	-.02303	.01288	-.00057	16.944	.13511
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00635	1.2668	-.00056	.00822	.23378	.03208	78.638
SDev	.00003	.0036	.00005	.00000	.00113	.00002	.302
%RSD	.55678	.28142	8.9954	.00095	.48568	.07034	.38430
#1	.00633	1.2643	-.00052	.00822	.23298	.03210	78.425
#2	.00638	1.2694	-.00060	.00822	.23459	.03206	78.852
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.4451	4.1931	1.6067	2.4759	.01386	.00075	.03927
SDev	.0093	.0113	.0050	.0114	.00056	.00257	.00054
%RSD	.17057	.27036	.30952	.46148	4.0088	341.05	1.3794
#1	5.4517	4.1851	1.6032	2.4840	.01347	-.00106	.03889
#2	5.4385	4.2011	1.6102	2.4678	.01425	.00257	.03965
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.29616	.02072	.15339	-.00091	-.00200
SDev	.00146	.00088	.00006	.00259	.00210
%RSD	.49305	4.2567	.03823	284.38	104.85
#1	.29513	.02009	.15335	-.00275	-.00348
#2	.29719	.02134	.15343	.00092	-.00052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-20 Operator: SW
Run Time: 07/12/04 16:36:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.06794	.08152	-.02146	.01514	.00096	79.329	.54927
SDev	.00148	.00254	.00325	.00227	.00078	.046	.00104
%RSD	2.1858	3.1125	15.156	15.026	80.957	.05801	.19029
#1	.06899	.07973	-.02376	.01353	.00151	79.362	.54853
#2	.06689	.08331	-.01916	.01674	.00041	79.297	.55001
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00681	9.5153	.00040	.05220	.30274	.08551	181.06
SDev	.00002	.0213	.00017	.00009	.00115	.00027	.13
%RSD	.25609	.22419	43.840	.16446	.38024	.31661	.07114
#1	.00683	9.5304	.00052	.05226	.30355	.08570	181.15
#2	.00680	9.5002	.00027	.05214	.30192	.08532	180.97
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.9365	55.903	3.9566	3.2950	.18525	.00495	.29018
SDev	.0182	.098	.0022	.0007	.00111	.00260	.00072
%RSD	.20368	.17616	.05583	.02108	.60020	52.451	.24895
#1	8.9494	55.973	3.9582	3.2955	.18603	.00679	.29069
#2	8.9236	55.834	3.9551	3.2945	.18446	.00312	.28967
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.99483	.02063	.07700	.00295	-.00578
SDev	.00201	.00206	.00120	.00260	.00321
%RSD	.20259	9.9987	1.5556	88.152	55.505
#1	.99626	.02209	.07615	.00111	-.00351
#2	.99341	.01918	.07785	.00479	-.00805
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Analysis Report 07/12/04 04:45:25 PM

Method: TRACE Sample Name: A1 Operator: SW
Run Time: 07/12/04 16:42:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00107	.00228	.00271	-.00122	-.00027	-.03044	-.00055
SDev	.00181	.00046	.00224	.00526	.00029	.00201	.00002
%RSD	169.46	20.284	82.940	430.15	107.81	6.5977	4.2663
#1	.00021	.00261	.00112	-.00494	-.00048	-.03186	-.00056
#2	-.00235	.00195	.00429	.00250	-.00006	-.02902	-.00053
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00001	-.01103	-.00043	.00010	-.00077	-.00023	.01334
SDev	.00000	.00025	.00003	.00073	.00044	.00036	.00311
%RSD	1.8753	2.2502	7.2860	744.69	56.263	157.71	23.325
#1	-.00001	-.01120	-.00041	-.00042	-.00108	-.00048	.01114
#2	-.00001	-.01085	-.00045	.00062	-.00047	.00003	.01554
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.27763	-.04145	.00015	.04501	-.00070	-.00319	-.00031
SDev	.05669	.00348	.00001	.00128	.00020	.00036	.00018
%RSD	20.420	8.3929	8.6514	2.8328	28.317	11.368	58.222
#1	.23755	-.04391	.00014	.04410	-.00084	-.00345	-.00044
#2	.31772	-.03899	.00015	.04591	-.00056	-.00293	-.00018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00071	.97371	.00116	.00008	-.00143
SDev	.00036	.00419	.00091	.00426	.00039
%RSD	51.462	.43051	78.254	5016.2	27.520
#1	-.00045	.97075	.00181	-.00293	-.00171
#2	-.00097	.97667	.00052	.00309	-.00116
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: B1 Operator: SW
Run Time: 07/12/04 16:45:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00121	.00048	.00213	-.00364	.00017	-.02959	-.00051
SDev	.00081	.00032	.00462	.00146	.00050	.00121	.00003
%RSD	66.898	67.459	216.74	40.133	291.71	4.0775	6.9215
#1	-.00064	.00071	-.00114	-.00260	-.00018	-.03044	-.00053
#2	-.00178	.00025	.00540	-.00467	.00053	-.02874	-.00048
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00001	-.00945	-.00044	-.00018	-.00026	-.00002	.01279
SDev	.00000	.00000	.00002	.00026	.00020	.00029	.00239
%RSD	1.8753	.00000	5.1678	147.02	78.632	1364.6	18.660
#1	-.00001	-.00945	-.00046	.00001	-.00040	-.00023	.01111
#2	-.00001	-.00945	-.00043	-.00036	-.00011	.00019	.01448
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.27280	-.04022	-.00011	.04449	-.00038	-.00293	-.00031
SDev	.01342	.00174	.00003	.00046	.00029	.00015	.00018
%RSD	4.9193	4.3248	22.353	1.0427	74.937	5.0551	58.222
#1	.26331	-.04145	-.00013	.04416	-.00018	-.00283	-.00018
#2	.28229	-.03899	-.00009	.04481	-.00059	-.00304	-.00044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	-.00032	1.0485	-.00008	-.00172	.00025
SDev	.00055	.0012	.00049	.00057	.00357
%RSD	169.97	.11544	589.34	32.975	1421.0
#1	.00006	1.0494	.00026	-.00212	.00277
#2	-.00071	1.0476	-.00043	-.00132	-.00227
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: C1 Operator: SW
Run Time: 07/12/04 16:47:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00182	-.00263	.00497	-.00199	.00032	-.03087	-.00054
SDev	.00173	.00417	.00360	.00204	.00067	.00060	.00001
%RSD	94.980	158.42	72.510	102.94	209.17	1.9477	2.1658
#1	.00305	-.00558	.00242	-.00054	.00080	-.03129	-.00053
#2	.00060	.00032	.00752	-.00343	-.00015	-.03044	-.00055
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00001	-.00998	-.00042	-.00005	-.00051	-.00005	.00945
SDev	.00000	.00025	.00025	.00026	.00012	.00016	.00080
%RSD	.00000	2.4877	59.310	479.01	24.393	295.75	8.4581
#1	-.00001	-.00980	-.00059	.00013	-.00060	-.00017	.00888
#2	-.00001	-.01015	-.00024	-.00024	-.00042	.00006	.01001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.29101	-.04453	-.00024	.04498	-.00057	-.00179	-.00018
SDev	.00308	.00203	.00005	.00077	.00034	.00147	.00000
%RSD	1.0574	4.5577	21.224	1.7180	59.364	81.855	.00000
#1	.28883	-.04596	-.00020	.04443	-.00081	-.00075	-.00018
#2	.29318	-.04309	-.00027	.04552	-.00033	-.00283	-.00018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.00097	1.0008	-.00115	.00033	.00087
SDev	.00018	.0005	.00220	.00016	.00365
%RSD	18.846	.05238	192.03	49.307	421.40
#1	.00110	1.0005	-.00270	.00045	.00345
#2	.00084	1.0012	.00041	.00022	-.00171
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000

Method: TRACE Sample Name: 0405096-1 5X Operator: SW
Run Time: 07/12/04 16:50:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00814	.00014	.00412	.00264	.00062	10.446	.06157
SDev	.00380	.00292	.00648	.00031	.00063	.021	.00008
%RSD	46.745	2038.9	157.45	11.596	101.90	.20437	.13284
#1	.00545	.00221	-.00047	.00286	.00017	10.461	.06151
#2	.01083	-.00192	.00870	.00242	.00106	10.431	.06163
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00042	347.62	-.00012	.01015	.02033	.01287	20.374
SDev	.00000	1.16	.00005	.00034	.00006	.00034	.002
%RSD	.02271	.33286	37.933	3.3984	.30584	2.6298	.00967
#1	.00042	346.81	-.00015	.00990	.02029	.01263	20.373
#2	.00042	348.44	-.00009	.01039	.02038	.01311	20.376
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.4871	10.544	.64265	15.494	.00748	.00257	.05050
SDev	.0000	.000	.00099	.118	.00020	.00379	.00018
%RSD	.00000	.00258	.15378	.76352	2.6315	147.50	.35752
#1	2.4871	10.544	.64195	15.578	.00761	-.00011	.05038
#2	2.4871	10.544	.64335	15.410	.00734	.00525	.05063
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl
Units	PPM	PPM	PPM	PPM	PPM
Avge	.03473	.00725	.00281	.00313	-.00352
SDev	.00055	.00402	.00068	.00195	.00515
%RSD	1.5744	55.490	24.233	62.377	146.47
#1	.03434	.00441	.00329	.00175	-.00716
#2	.03512	.01010	.00232	.00451	.00013
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	10.000	10.000	10.000	10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000